



 **KORADO®**

**RADIK®**  
... heat for you

***Steel panel radiators***

The new plant KORADO is the most modern factory for the production of radiators in Europe thanks to its up-to date production facility, technology and organization. Its modern and sophisticated organization in the area of 30 000 m<sup>2</sup> enables further increases of production capacity whenever needed.

The choice of all technology was driven by the maximum effort to ensure environment protection inside the factory as well as in its surroundings.

KORADO, a.s. obtained the ISO 9001 quality certificate in 1997 and currently already holds the ISO 9001:2008.





## **RADIK®** KLASIK



## **RADIK®** KLASIK - R

## **RADIK®** KLASIK - Z



## **RADIK®** VK



**RADIK® VKU**

**RADIK® VKL**



**RADIK® VK - Z**





## RADIK® COMBI VK



## RADIK® VKM

## RADIK® PLAN KLASIK



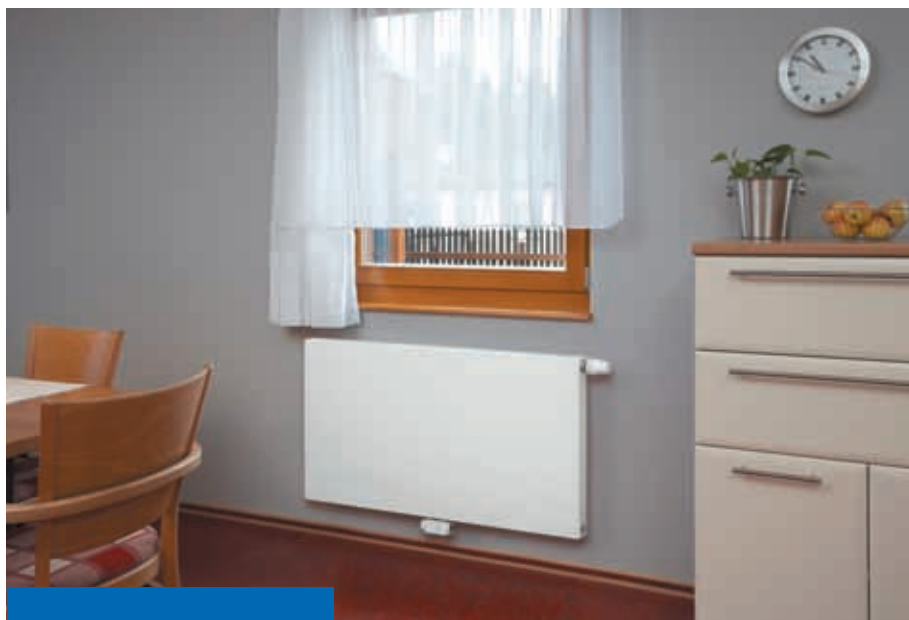


**RADIK®** PLAN VK

**RADIK®** PLAN VKL



**RADIK®** PLAN VKM





## **RADIK®** PLAN VERTIKAL - M



## **RADIK®** LINE VERTIKAL - M

## **RADIK®** MM





## **RADIK®** HYGIENE



## **RADIK®** HYGIENE VK

## **RADIK®** CLEAN



## **RADIK®** CLEAN VK



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## ADVANTAGES OF RADIATORS

- low water content •
  - low weight •
- suitable for heating with renewable energy sources •
  - suitable for low temperature heating systems •
  - suitable for natural gas heating •
- suitable for wood, coal, briquette and wood pellets heating •
  - high resistance to excess pressure •
    - excellent finish •
  - multifunction packaging •
    - made to last •
  - extended warranty •
- ISO 9001:2008 guarantee of quality of products and services •



# RADIK® GENERAL INFORMATION

## Description

RADIK radiators are steel panel radiators with a natural circulation of air around their panel. They are produced in single, double or triple panel form. The outer panel is made of a shaped plate with horizontal and vertical depressions. To increase heating performance some types of radiators are provided with a convector plate, welded to the vertical waterways of the panel.

The panel is made of two pressed steel sheets welded together with a seam weld on the perimeter and with a spot weld where the depressions are. The cold-rolled steel sheet used has a low content of carbon, corresponding to class FePO1 in accordance with EN 10130 and EN 10131.

## Use

RADIK steel panel radiators are designed for central heating systems in buildings with the highest allowed working pressure of 10 bar where water or water solutions are used as the heating medium. The highest allowed working temperature is 110 °C. RADIK radiators are designed for single-pipe or twin-pipe systems with pressurized or gravity-fed circulation. The properties of the heating medium must be in compliance with the norm ČSN 07 7401. Low water content in the radiator enables a flexible reaction of the heating system to the required room temperature and an effective thermoregulation.

RADIK steel panel radiators in the PLAN and VERTIKAL version have a special design which will fit in with every room interior and will satisfy even the most demanding customer and home designer.

RADIK steel panel radiators in the version HYGIENE are designed for rooms with high demands on hygiene and cleanliness. These radiators have been tested in an accredited laboratory and obtained the hygiene certificate for usage in health service and similar services.

## Identification

Our products are identified by:

- a printed label on the radiator packaging
- a label with bar code on the radiator packaging
- a company logo stamped on the end panels
- an inkjet print with the manufacturing date and time on the rear side of the plate of the radiator

## Overview of types

| Type number    | Number of panels | Number of convector plates |
|----------------|------------------|----------------------------|
| <b>Type 10</b> | 1                | 0                          |
| <b>Type 11</b> | 1                | 1                          |
| <b>Type 20</b> | 2                | 0                          |
| <b>Type 21</b> | 2                | 1                          |
| <b>Type 22</b> | 2                | 2                          |
| <b>Type 30</b> | 3                | 0                          |
| <b>Type 33</b> | 3                | 3                          |

## Versions

RADIK steel panel radiators are manufactured in six basic versions which come in individual models.

Basic versions of RADIK steel panel radiators:

- **KLASIK**
  - radiators with side connections and a corrugated front panel.
- **VENTIL KOMPAKT**
  - radiators with built-in inside distribution tapplings and valve, with bottom connections and profiled front panel.
- **PLAN**
  - radiators with side connections (KLASIK version) or bottom connections (VENTIL KOMPAKT version) with a smooth front panel.
- **VERTIKAL**
  - vertically aligned radiators without valve with bottom middle connection and a flat or grooved front panel
- **MM**
  - steel panel radiators with no valve, with bottom middle connection and corrugated front panel
- **HYGIENE**
  - radiators without convector fins, side panels and top grill, with side or bottom connections and with a smooth front panel

## Overview of models

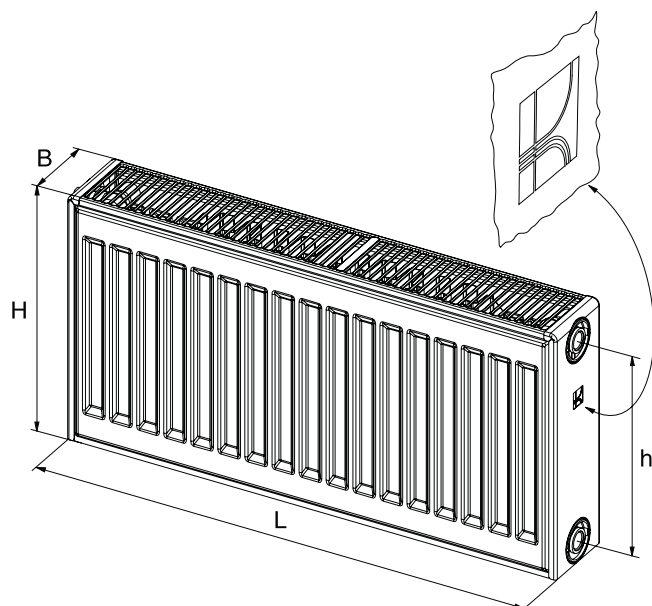
### RADIK

- **KLASIK version**
  - RADIK KLASIK model
  - RADIK KLASIK - R model
  - RADIK KLASIK - Z model
- **VENTIL KOMPAKT version**
  - RADIK VK model
  - RADIK VKU model
  - RADIK VKL model
  - RADIK VKM model
  - RADIK COMBI VK model
  - RADIK VK - Z model
- **PLAN version**
  - RADIK PLAN KLASIK model
  - RADIK PLAN VK model
  - RADIK PLAN VKL model
  - RADIK PLAN VKM model
- **VERTIKAL version**
  - RADIK PLAN VERTIKAL - M model
  - RADIK LINE VERTIKAL - M model
- **MM version**
  - RADIK MM model
- **HYGIENE version**
  - RADIK HYGIENE model
  - RADIK HYGIENE VK model
  - RADIK CLEAN model
  - RADIK CLEAN VK model



# RADIK® GENERAL INFORMATION

## Technical data



|                                                 |                                                           |
|-------------------------------------------------|-----------------------------------------------------------|
| <b>Height</b>                                   | <b>H</b> = 300 ÷ 900 mm                                   |
| <b>Length</b>                                   | <b>L</b> = 400 ÷ 3000 mm                                  |
| <b>Depth</b>                                    | <b>B</b> = 47 ÷ 155 mm<br>(differs according to the type) |
| <b>Connecting pitch</b>                         | <b>h</b> = H – 54 mm                                      |
| <b>Connecting thread</b>                        | G 1/2 inside                                              |
| <b>Working pressure</b>                         | 10 bar                                                    |
| <b>Test pressure</b>                            | 13 bar                                                    |
| <b>Highest allowed operation temperature</b>    | 110 °C                                                    |
| <b>Axial distance of the vertical stampings</b> | 33,33 mm                                                  |
| <b>Basic paint</b>                              | KTL                                                       |
| <b>Surface paint</b>                            | white RAL 9016                                            |
| <b>LGA</b>                                      | for types<br>11, 20, 21, 22, 33                           |
| <b>Guarantee period</b>                         | 10 years                                                  |

## Finish

The technology used guarantees the achievement of three basic goals:

- long-term corrosion resistance and mechanical durability
- fine-quality finish
- hygienic surface

The surface finish is done in three basic phases:

- 1) Preparation of the steel surface – includes degreasing, phosphating, and rinsing in three stages.
- 2) Putting on the first layer of paint using the cathaphoresic method (KTL). The layer of paint is evenly spread over the whole radiator. The KTL paint gains its final anticorrosion, adhesive, and mechanical and chemical characteristics in a drying oven. This phase of surface finishing is of decisive importance for the long life span of the radiator.
- 3) Putting on the final layer of paint – epoxy-polyester powder is applied using automatic dusting pistols in an electrostatic field of a dusting compartment. After it is oven dried and cooled, the finish of the radiator is completed.

The surface finishing of the radiators is done with a maximum effort to protect the environment, during production and use.

Radiators are delivered in white powder coat (RAL 9016) as standard, on request we also offer in other colours. For more information on the colours available please see the colour card RADIK and KORALUX.



3.

2.

1.

1. Degreasing and phosphating
2. Cathaphoresic paint
3. Epoxy-polyester powder



## RADIK® GENERAL INFORMATION

### Basic Equipment

All RADIK steel panel radiators except the model RADIK VKU have two upper and lower hangers welded on the back. Radiators with length 1800 mm and longer have six welded hangers.

All radiators are equipped with an air vent. KLASIK radiators have one and VENTIL KOMPAKT two blanking plugs. All connections of RADIK steel panel radiators have the same diameter with a G 1/2 internal thread.

Except the types 10 and the models RADIK HYGIENE and RADIK HYGIENE VK, RADIK CLEAN, RADIK CLEAN VK all other models are delivered with end panels and top grills fitted.

### Transport and storage

The radiators are stored on pallets according to the manufacturer's internal guidelines. Pallets with radiators should only be transported in covered transport. Radiators which are transported unprofessionally and incorrectly can be deformed or otherwise damaged. It is especially dangerous to transport long radiators on smaller pallets or on top of radiators of a different size.

Radiators must be stored where they are protected from the effects of the weather. They are not to be stored in open, uncovered areas. If they are stored on a flat floor, a maximum of two pallets of the same size may be put on top of each other. Pallets with radiators of type 10 and 11 and all types of the PLAN version may be stored only in one layer.

### Heat output and registration

Heat outputs of the steel panel radiators RADIK were measured according to EN 442 in an accredited laboratory.

Conformity with valid European regulations and standards was certified by Strojírenský zkušební ústav (Engineering Testing Institute) in Brno, notified body No. 1015.

Certified registration for using national quality marks RAL (Germany), BSI (England) - see p. 94

### Related norms

ČSN EN 442  
DIN EN 442  
ČSN 06 1101  
ČSN 06 1122  
ČSN 06 0310  
ČSN 07 7401  
DIN 55 900

### Packaging

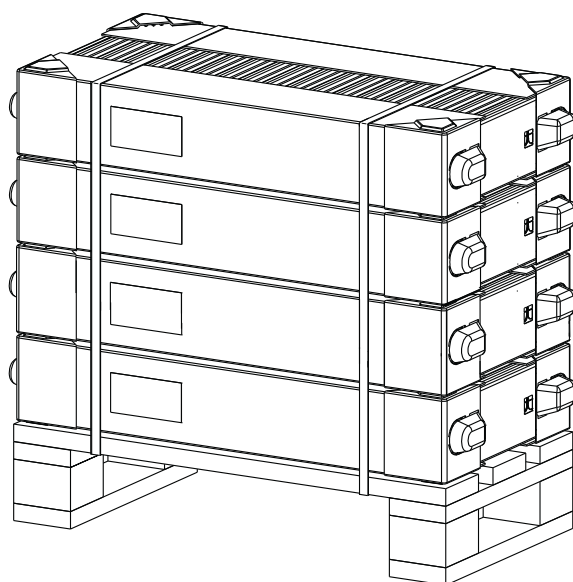
All steel panel radiators are delivered in uniform packaging, which consists of:

- corrugated cardboard
- plastic reinforcing corners covers
- polyethylene shrinking foil
- inserted information sheet

The packaging protects the radiator during transportation, handling, assembly and after assembly. It should not be removed before the installation and other work is completed.



### Packaging - pallet





# RADIK® GENERAL INFORMATION

## Guidelines for fitting

Basic guidelines for the installation of steel panel radiators:

- centre below a window
- centre of radiator and of window at the same place
- air movement around the radiator should not be restricted

We offer an assortment of brackets for RADIK steel panel radiators. That assortment is shown in the KORAMONT catalogue and covers most installers needs and all main construction materials. Its construction allows fitting of the radiator with minimum damage of its packaging (at the place of fitting and connection of necessary parts) and the packaging can be removed after the completion of all construction and other work.

We recommend using such fittings for the connection of steel panel radiators as will secure:

- regulation of water flow through the radiator
- closing off radiator at the inlet and outlet of water flow
- emptying and filling of the radiator
- disconnecting of radiator without interruption of the heating system operation

For mounting of RADIK steel panel radiators of VENTIL KOMPAKT version, we recommend to use KORADO pre-fixing template, which will supply, in every respect, radiators presence at a construction site (see KORAMONT catalogue).

## Guarantees and Quality

The manufacturer guarantees that the product is leak proof and guarantees stated heat output of RADIK steel panel radiators connected to the hot-water systems for 10 years from the date of sale. The manufacturer accepts no responsibility for deformation or damage of the radiators caused during their transport, handling, or storage. The guarantee does not apply to mechanical or other damages caused by unqualified installation of the radiators.

RADIK products guarantee the quality, as is documented by certificates issued by LGA Nürnberg (certificate on suitability of radiators for installation in schools and kindergartens) and Engineering Testing Laboratory, SZ no. 202 Brno.

The company KORADO, a.s. has held a quality certificate under the norm ISO 9001 since 1997. That quality control system describes in advance all conditions, requirements, and parameters with respect to technical, manufacturing, commercial, transport, and service issues. The customer is the main goal of the entire system and his satisfaction influences the goals and plans of the company KORADO. The ISO 9001:2008 quality control system guarantees the customer excellent, long-lasting quality of products and services.

## Multifunctional package





# RADIK® GENERAL INFORMATION - VENTIL KOMPAKT

## Description

**RADIK VK, RADIK VKU, RADIK VKL, RADIK COMBI VK, RADIK VKM and RADIK HYGIENE VK** models are **VENTIL KOMPAKT** versions of steel panel radiators with a built-in internal connecting circuit and valve. This construction allows **connection of the radiator from the bottom** to the heating system. The axial distance of the bottom outlet is always 50 mm and has a G 1/2 internal thread. Its construction is intended for modern heating systems with pressurized circulation of the heating medium and horizontal piping below the radiator in the floor, in the wall, or on the wall covered with a strip.

## Installation of the heating system

Modern heating systems require the use of fittings, which will enable the installer to close off the radiator so that it can be changed without interrupting the operating system. The choice of fittings depend on the requirements and the material of the pipes:

1. copper, thin-wall steel, plastic or a plastic-metal-plastic combination
  - use a compact connecting fitting with a pitch of 50 mm and with reduction of G 1/2 to G 3/4 by setting appropriate clamping screws according to the material and size of connecting pipes
2. black steel pipes with tubular threading
  - use 2 closing screws



## Models

VENTIL KOMPAKT version of steel panel radiators is manufactured in several models. The construction of the models varies particularly with respect to the location of the connections and position of the connection pipes.

| Model                   | Position of connection | Description |
|-------------------------|------------------------|-------------|
| <b>RADIK VK</b>         | only right             | on page 25  |
| <b>RADIK VKU</b>        | right or left          | on page 26  |
| <b>RADIK VKL</b>        | only left              | on page 27  |
| <b>RADIK VKM</b>        | only middle connection | on page 30  |
| <b>RADIK COMBI VK</b>   | only right             | on page 28  |
| <b>RADIK PLAN VK</b>    | only right             | on page 33  |
| <b>RADIK PLAN VKL</b>   | only left              | on page 34  |
| <b>RADIK PLAN VKM</b>   | only middle connection | on page 35  |
| <b>RADIK HYGIENE VK</b> | only right             | on page 42  |
| <b>RADIK CLEAN VK</b>   | only right             | on page 44  |

## Valve

At the time of assembly of the radiator a valve is fitted into the built-in internal circuit. It is characterized by the following data:

- value of coefficient kv - see page 17
- allows presetting of water flow at six levels -factory preset for position six
- to preset to another position a special key is required
- if any other preset position is needed, the installer should do it after flushing the installation but before the system is turned on
- the valve is tightened at the factory to their norm
- outside connecting thread M 30 x 1.5
- the connecting thread of the valve has a white plastic cover, which gives it protection during transportation and assembly of the radiator and at the same time can be used for setting the valve in the off or on position during assembly





# RADIK® GENERAL INFORMATION - VENTIL KOMPAKT

## Thermostatic head

To set and regulate the temperature in a room it is necessary to fit a thermostatic head on the VENTIL KOMPAKT radiators. For direct fitting only thermostatic heads can be used

with connecting thread M 30 x 1.5. Below is an overview of the basic types made by different manufactures for the Czech market. For information about other makes, please, contact the manufacturer or their representative on the market concerned.

1. Danfoss - Type RAE-K 5034
2. Danfoss - Type RAX-K 013G6080
3. Eberle - Type TRV 4
4. Eberle - Type RT 414
5. Giacomini - Type R460H
6. Heimeier - Type K
7. Heimeier - Type DX
8. Heimeier - Type VDX
9. Heimeier - Type WK
10. Herz - Type 1 7260 98

11. Herz - Type 1 9200 38
12. Herz - Type 1 9260 98
13. Honeywell - Type Thera 4
14. Honeywell - Type Thera 4 Design
15. Honeywell - Type Thera 200 Design
16. Ivar - Type T 5000
17. Ivar - Type T 3000
18. Oventrop - Type Uni LH
19. Oventrop - Type Uni SH
20. Siemens - Type RTN 51



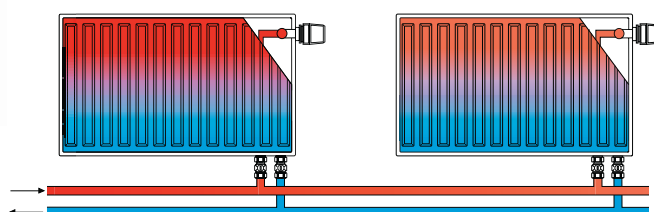


# RADIK® GENERAL INFORMATION - VENTIL KOMPAKT

## Twin-pipe heating system

When installing VENTIL KOMPACT steel panel radiators, it is necessary to preset the valve to such a position that the radiator will perform as calculated. It is the responsibility of the installer to make sure this has been done.

At the factory the valve is preset at level 6 and after rinsing and before the start of the heating test it must be set by a special key to the desired position.



## Example of calculation

**Solution to:** level of presetting  
**Given:** heat output  
 cooling of water  
 pressure loss of radiator with valve  
 heat capacity of water

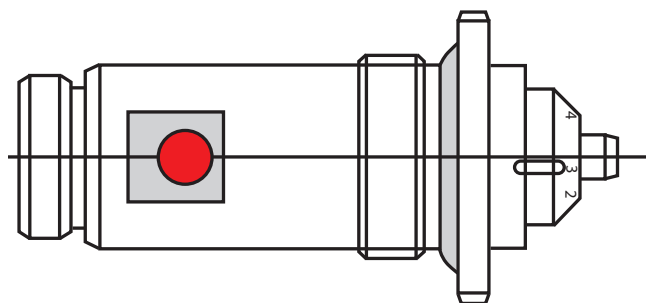
$$\begin{aligned} Q &= 960 \text{ W} \\ t_1 - t_2 &= 15 \text{ K (70/55 °C)} \\ \Delta p &= 65 \text{ mbar} \\ c &= 1,163 \text{ Wh/kg.K} \end{aligned}$$

**Solution:** weight flow

$$m = \frac{Q}{c \cdot (t_1 - t_2)} = \frac{960}{1,163 \cdot 15} = 55 \text{ kg/h}$$

level of presetting (see diagram):

3

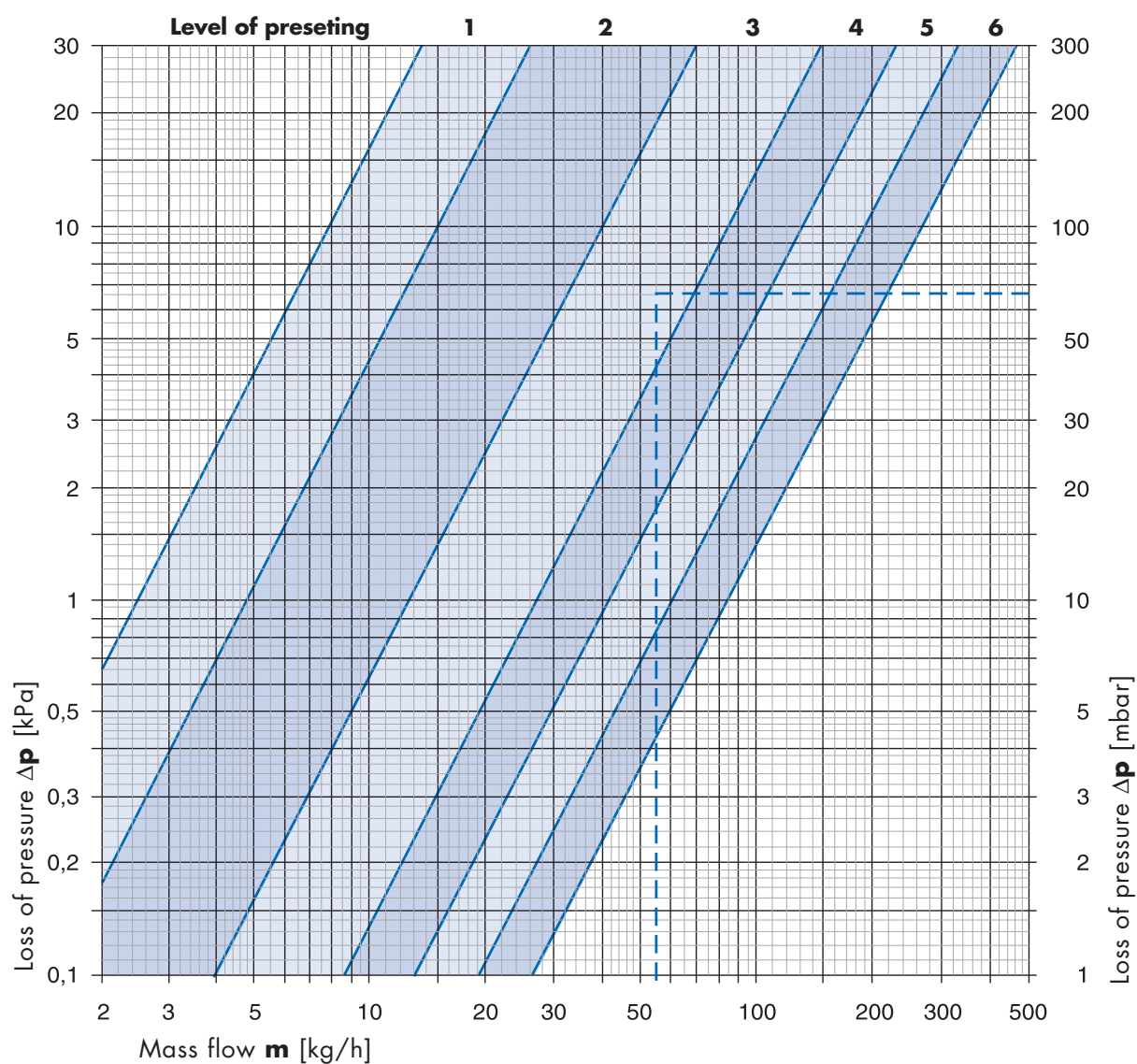


Level 3 presetting



# RADIK® GENERAL INFORMATION - VENTIL KOMPAKT

## Twin-pipe heating system



Table

| Ventil Kompakt Radiators<br>without connecting fittings                 |                    |                 | Level of valve presetting |                      |                      |                      |                      |                      | Highest<br>allowed<br>oper.<br>temperature<br>[°C] | Highest<br>allowed<br>oper. working<br>pressure<br>[bar] |
|-------------------------------------------------------------------------|--------------------|-----------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------------------------------------|----------------------------------------------------------|
|                                                                         |                    |                 | 1                         | 2                    | 3                    | 4                    | 5                    | 6                    |                                                    |                                                          |
| Valve<br>with presetting<br>at six levels and<br>with thermostatic head | $k_v$<br>[m³/h]    | min<br>÷<br>max | 0,025<br>÷<br>0,047       | >0,047<br>÷<br>0,126 | >0,126<br>÷<br>0,269 | >0,269<br>÷<br>0,417 | >0,417<br>÷<br>0,600 | >0,600<br>÷<br>0,840 | 110                                                | 10                                                       |
|                                                                         | $k_{vs}$<br>[m³/h] |                 | 0,051                     | 0,133                | 0,294                | 0,430                | 0,630                | 0,980                |                                                    |                                                          |

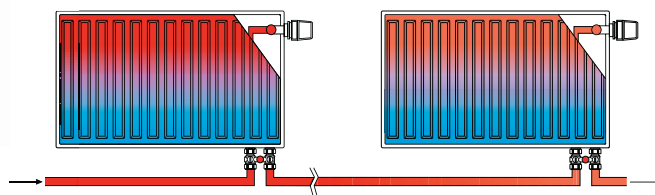
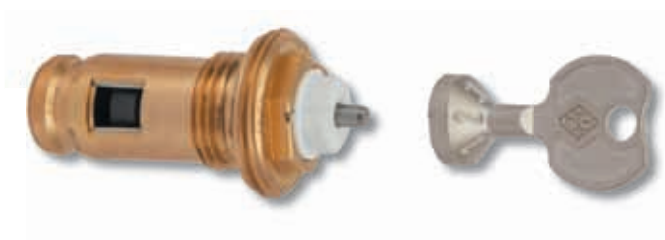


# RADIK® GENERAL INFORMATION - VENTIL KOMPAKT

## One-pipe heating system

When using VENTIL KOMPAKT steel panel radiators, it is necessary for the valve to be preset at level 6. To set the required water flow for the radiator, we recommend using a compact connection fitting that has a fixed or an adjustable setting to allow the water into the radiator.

As an example we use the VEKOLUX compact fitting from the company HEIMEIER.



## Example of calculation

**Solution to:** pressure loss when using a radiator with valve including Vekolux fitting

**Given:** heat output of the circuit  
cooling of water  
share of radiator  
heat capacity of water

$Q = 4380 \text{ W}$   
 $t_1 - t_2 = 20 \text{ K (70/50 °C)}$   
 $m_{ot} \triangleq 50\%$   
 $c = 1,163 \text{ Wh/kg.K}$

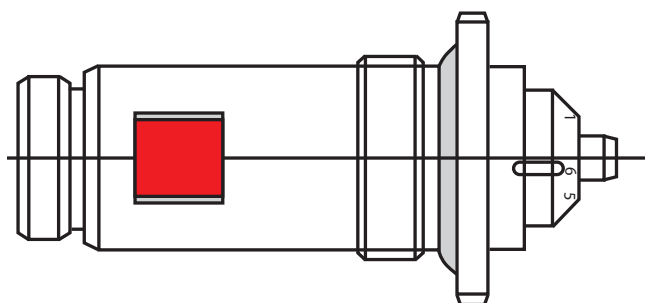
**Solution:** weight flow in the circuit

$$m_R = \frac{Q}{c \cdot (t_1 - t_2)} = \frac{4380}{1,163 \cdot 20} = 188 \text{ kg/h}$$

pressure loss of radiator  
with valve including Vekolux fitting  
weight flow in radiator

$$\Delta p_{total} = 22 \text{ mbar}$$

$$m_{ot} = m_R \cdot 0,5 = 188 \cdot 0,5 = 94 \text{ kg/h}$$

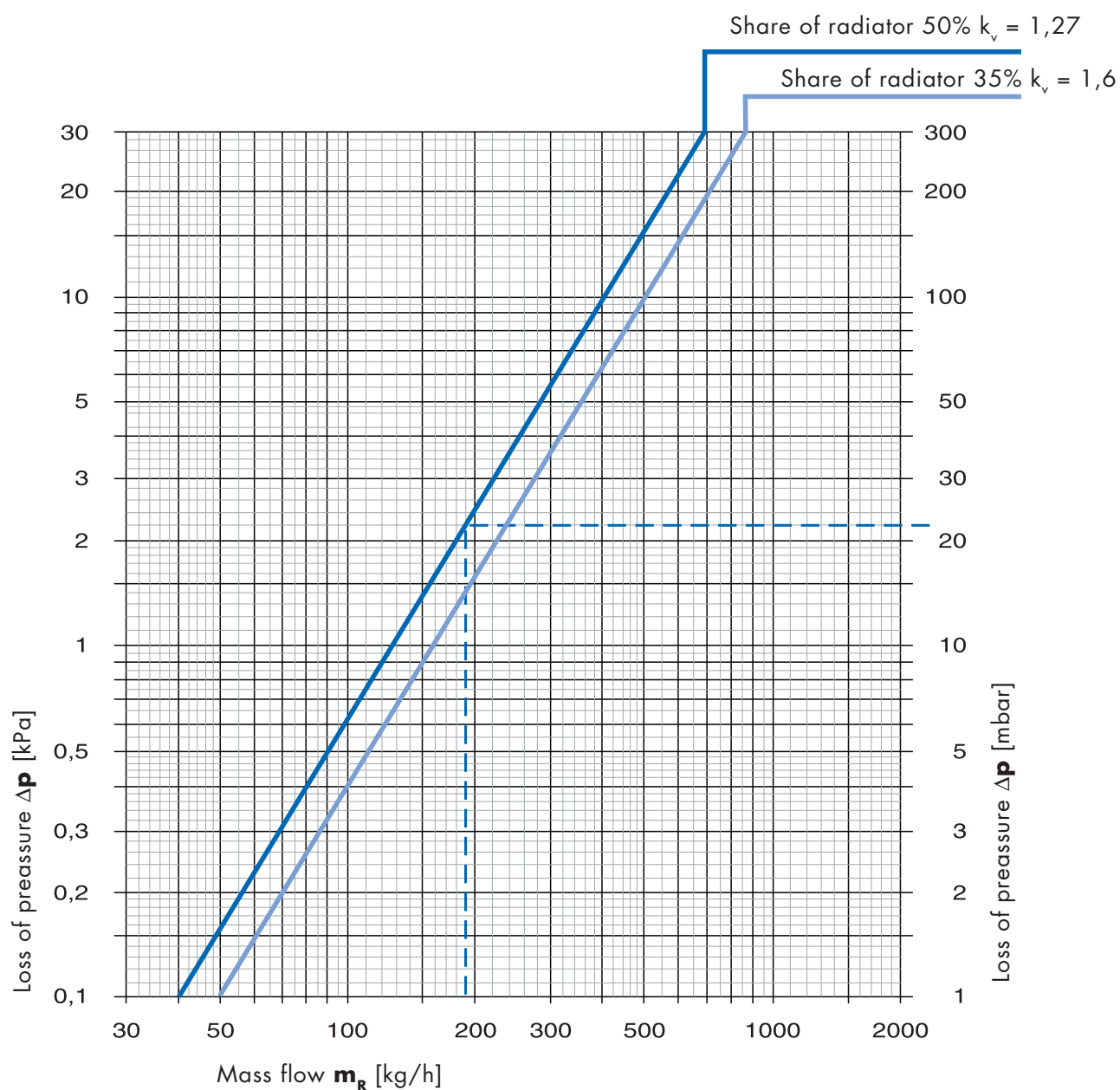


level 6 presetting



# RADIK® GENERAL INFORMATION - VENTIL KOMPAKT

## One-pipe heating system



Table

| Radiators Ventil Kompakt<br>with Vekolux<br>fitting in the corner<br>and direct version | share<br>of<br>radiator<br>[%] | $K_v$<br>value<br>[m³/h] | setting of<br>bypass*<br>[ot.] | Highest<br>allowed oper.<br>temperature<br>[°C] | Highest allowed<br>oper. working<br>pressure<br>[bar] |
|-----------------------------------------------------------------------------------------|--------------------------------|--------------------------|--------------------------------|-------------------------------------------------|-------------------------------------------------------|
| Valve preset<br>at level six and<br>with thermostatic head                              | 50                             | 1,27                     | max                            | 110                                             | 10                                                    |
|                                                                                         | 35                             | 1,60                     | 3,5                            |                                                 |                                                       |

\*) For setting at 35% close Vekolux and then open by turning it round 3.5 times.

Maximum opening corresponds to 50% share of radiator.



# RADIK® KLASIK

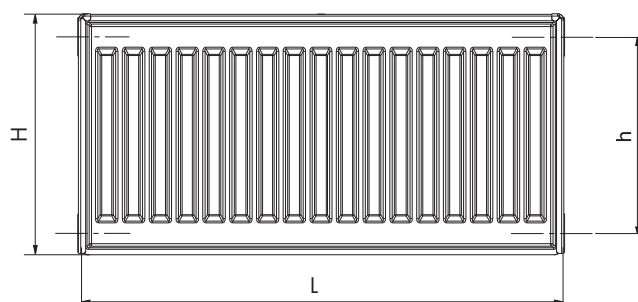


## Description

**RADIK KLASIK** model is a steel panel radiator in KLASIK version which allows **left or right side connection** to the heating system circuit. It is intended for heating systems which are gravity or pressure fed.

Two upper and lower hangers are welded at the back of the radiator. Radiators 1 800 mm long and longer have six welded hangers.

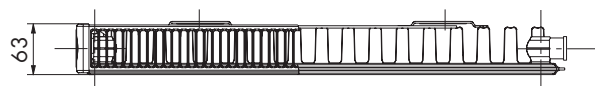
## Overview of types



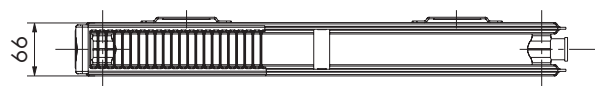
**Type 10**



**Type 11**



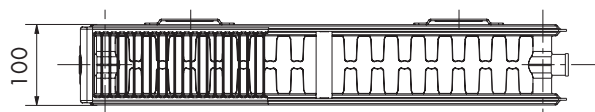
**Type 20**



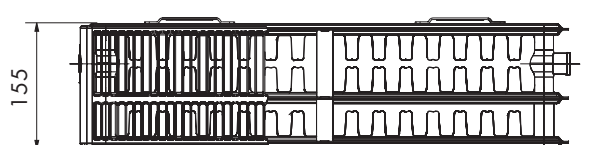
**Type 21**



**Type 22**



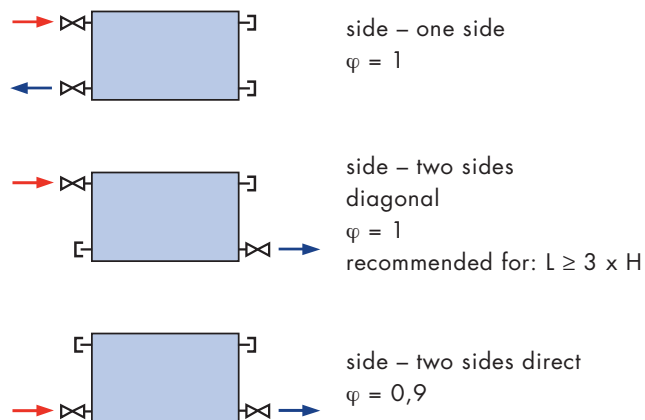
**Type 33**



## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Connecting pitch</b>                    | $h = H - 54$ mm                                                                             |
| <b>Connecting thread</b>                   | 4 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | left or right side                                                                          |

## Examples of connection to the heating system





# RADIK® KLASIK - R



## Description

The **RADIK KLASIK - R** model is a steel panel radiator in KLASIK design, modified for swift **replacement of cast-iron sectional radiators with a connecting pitch of 500 mm**.

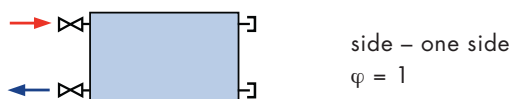
The height  $H = 554$  mm guarantees its problem-free fitting in place of the old radiator. It allows for **left or right side connection** to the heating system distribution mains and is designed for heating systems with forced or gravity circulation. Two upper and lower fixing hangers are welded onto the back, radiators 1800 mm in length or longer have six welded fixing hangers.

The wide range of types of RADIK KLASIK - R allows you to always choose the most suitable and appropriate length.

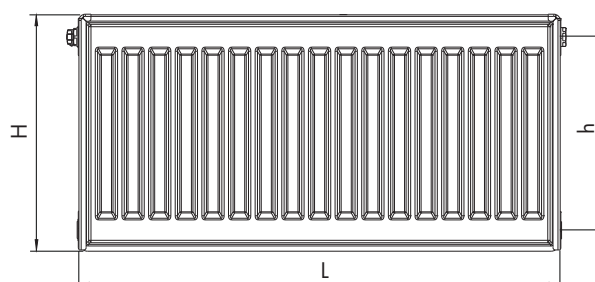
## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 554 mm                                                                                      |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 20 R                                  | 66 mm                                                                                       |
| Type 21 R                                  | 66 mm                                                                                       |
| Type 22 R                                  | 100 mm                                                                                      |
| Type 33 R                                  | 155 mm                                                                                      |
| <b>Connecting pitch</b>                    | 500 mm                                                                                      |
| <b>Connecting thread</b>                   | 4 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | left or right side                                                                          |

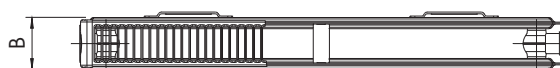
## Examples of connection to the heating system



## Overview of types



**Type 20 R**



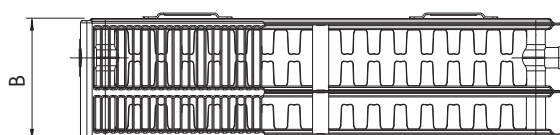
**Type 21 R**



**Type 22 R**



**Type 33 R**





# RADIK® KLASIK - R

You can find a replacement for your cast-iron and steel sectional radiators yourself in the RADIK KLASIK - R steel panel radiator range

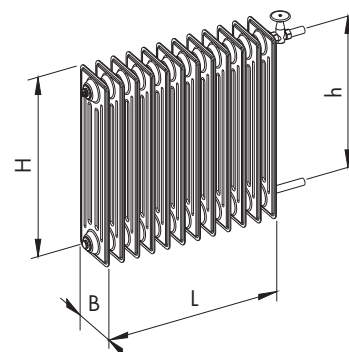
| Sectional radiators |                               |         |         |         |                               | [mm]    | Steel panel radiator |                                              |      |      |      |
|---------------------|-------------------------------|---------|---------|---------|-------------------------------|---------|----------------------|----------------------------------------------|------|------|------|
| cast-iron           |                               |         |         | steel   |                               |         | RADIK KLASIK - R     |                                              |      |      |      |
| 1.                  | 575 ÷ 610                     |         |         |         | 575 ÷ 610                     |         | H                    | 554                                          |      |      |      |
| 2.                  | 500                           |         |         |         | 500                           |         | h                    | 500                                          |      |      |      |
| 3.                  | 110                           | 160     | 220     | 200     | 150                           | 200     | B                    | 66                                           | 66   | 100  | 155  |
| 4.                  | 500/110                       | 500/160 | 500/220 | 500/200 | 500/150                       | 500/200 | Type                 | 20 R                                         | 21 R | 22 R | 33 R |
| 5.                  | number of sections<br>n [pcs] |         |         |         | number of sections<br>n [pcs] |         |                      | appropriate length of the radiator<br>L [mm] |      |      |      |
|                     | 5                             | 3       | 3       | 3       | 5                             | 4       | →                    | 400                                          |      |      |      |
|                     | 6                             | 4       | 3       | 4       | 6                             | 5       | →                    | 500                                          | 400  |      |      |
|                     | 7                             | 5       | 4       | 4       | 7                             | 5       | →                    | 600                                          | 400  | 400  |      |
|                     | 8                             | 6       | 5       | 5       | 8                             | 7       | →                    | 700                                          | 500  | 400  |      |
|                     | 10                            | 7       | 6       | 7       | 10                            | 8       | →                    | 800                                          | 600  | 500  |      |
|                     | 11                            | 8       | 6       | 7       | 11                            | 9       | →                    | 900                                          | 700  | 500  | 400  |
|                     | 12                            | 9       | 7       | 8       | 12                            | 10      | →                    | 1000                                         | 800  | 600  | 400  |
|                     | 13                            | 10      | 8       | 9       | 13                            | 11      | →                    | 1100                                         | 800  | 700  | 500  |
|                     | 15                            | 11      | 9       | 10      | 15                            | 12      | →                    | 1200                                         | 900  | 700  | 500  |
|                     | 16                            | 12      | 10      | 11      | 16                            | 14      | →                    | 1400                                         | 1000 | 800  | 600  |
|                     | 17                            | 13      | 10      | 12      | 17                            | 14      | →                    | 1400                                         | 1100 | 800  | 600  |
|                     | 18                            | 14      | 11      | 12      | 18                            | 15      | →                    | 1600                                         | 1100 | 900  | 600  |
|                     | 20                            | 15      | 12      | 13      | 20                            | 16      | →                    | 1600                                         | 1200 | 900  | 700  |
|                     | 22                            | 16      | 13      | 15      | 22                            | 18      | →                    | 1800                                         | 1400 | 1000 | 700  |
|                     | 24                            | 18      | 14      | 16      | 24                            | 19      | →                    | 2000                                         | 1400 | 1100 | 800  |
|                     | 25                            | 19      | 15      | 17      | 25                            | 21      | →                    | 2000                                         | 1600 | 1200 | 800  |
|                     | 26                            | 20      | 15      | 17      | 26                            | 22      | →                    | 2300                                         | 1600 | 1200 | 900  |
|                     | 29                            | 22      | 17      | 20      | 29                            | 24      | →                    | 2300                                         | 1800 | 1400 | 1000 |
|                     | 30                            | 23      | 18      | 20      | 30                            | 25      | →                    | 2600                                         | 1800 | 1400 | 1000 |
|                     | 33                            | 25      | 20      | 22      | 33                            | 27      | →                    | 2600                                         | 2000 | 1600 | 1100 |
|                     | 35                            | 26      | 21      | 23      | 35                            | 28      | →                    | 3000                                         | 2300 | 1600 | 1100 |
|                     | 38                            | 28      | 23      | 26      | 38                            | 31      | →                    | 3000                                         | 2300 | 1800 | 1200 |
|                     | 38                            | 29      | 23      | 26      | 38                            | 31      | →                    | 3000                                         | 2300 | 1800 | 1400 |
|                     | 40                            | 30      | 23      | 26      | 40                            | 32      | →                    |                                              | 2600 | 1800 | 1400 |
|                     | 44                            | 33      | 26      | 29      | 44                            | 36      | →                    |                                              | 2600 | 2000 | 1400 |
|                     | 50                            | 38      | 30      | 34      | 50                            | 41      | →                    |                                              | 3000 | 2300 | 1600 |
|                     | 57                            | 43      | 34      | 38      | 57                            | 46      | →                    |                                              |      | 2600 | 1800 |
|                     | 64                            | 48      | 38      | 43      | 64                            | 51      | →                    |                                              |      | 3000 | 2000 |
|                     | 66                            | 50      | 39      | 44      | 66                            | 54      | →                    |                                              |      | 3000 | 2300 |

## Identification of the old radiator:

1. Determine material (cast-iron/steel)\*
2. Measure the height of the radiator **H**
3. Check whether the connecting pitch **h** is 500 mm
4. Measure the depth of the radiator **B**
5. Count the number of sections ("ribs")

## Looking for a replacement in the table:

6. According to identification (see above), look in the left part of the table for the appropriate column, corresponding to the type of the old radiator
7. Find the row with the appropriate number of sections **n** (if the precise number is not shown in the table, choose the next highest)
8. Select the most suitable length for the new steel panel radiator **L** in the row with the appropriate number of sections in the right (blue) part of the table (this depends on the type of steel panel radiator).
9. After selecting the type of steel panel radiator, once again check its depth **B**, to see whether it meets your requirements



**H [mm]** - height of the radiator  
**h [mm]** - connecting pitch  
**L [mm]** - length of the radiator  
**B [mm]** - depth of the radiator

\* if the surface of your sectional radiator is rough, you have a cast-iron radiator

## Heat output of sectional radiators

| material of radiator | connecting pitch<br>h [mm] | depth B [mm] | heat output [W/section]<br>(90/70/20 °C) |
|----------------------|----------------------------|--------------|------------------------------------------|
| steel                | 500                        | 150          | 90                                       |
|                      |                            | 160          | 93                                       |
|                      |                            | 200          | 110                                      |
|                      |                            | 220          | 121                                      |
|                      |                            | 110          | 92                                       |
| cast-iron            | 500                        | 150          | 107                                      |
|                      |                            | 160          | 120                                      |
|                      |                            | 200          | 134                                      |
|                      |                            | 220          | 151                                      |
|                      |                            | 250          | 169                                      |

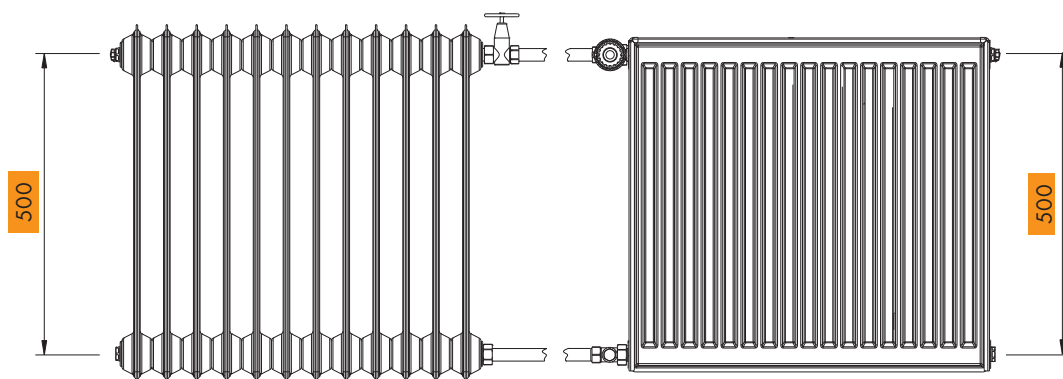
Source of information: Czechoslovak catalogue for construction 14/5 Radiators, basic advice for 1991

The company reserves the right to make technical changes.

Guidelines for ordering are described on page 96.



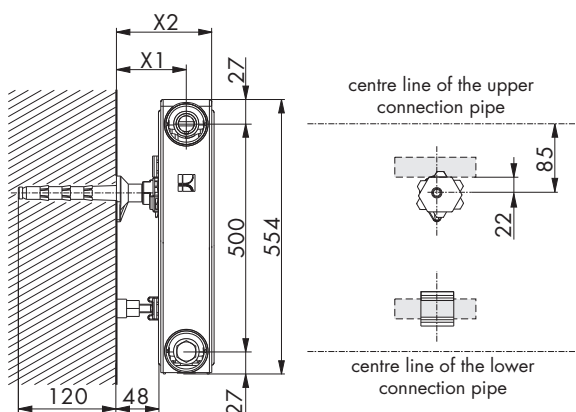
# RADIK® KLASIK - R



## Fitting data

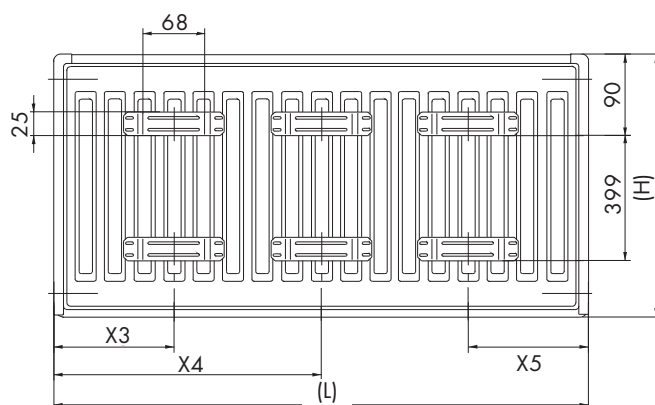
The Z-U140 bracket can be used for fixing the radiator at a fixed distance of the radiator from the wall of 48 mm, or the Z-U290 bracket with variable distance of up to 100 mm from the wall.

## Z-U140 bracket



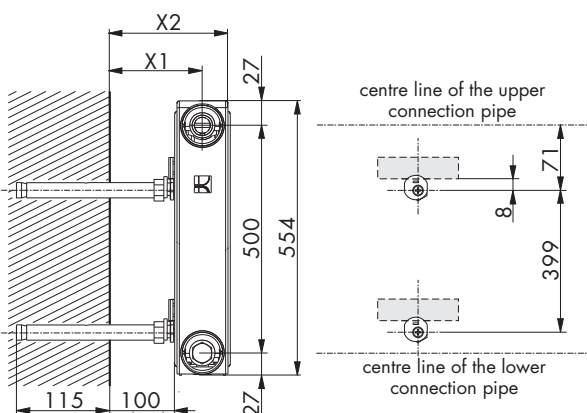
| Type      | 20 R | 21 R | 22 R | 33 R |
|-----------|------|------|------|------|
| <b>X1</b> | 81   | 81   | 98   | 98   |
| <b>X2</b> | 114  | 114  | 148  | 203  |

## Fitting data



| Length L [mm] | 400 | 500 ÷ 1600 | 1800 | 2000 | 2300 | 2600 | 3000 |
|---------------|-----|------------|------|------|------|------|------|
| <b>X3</b>     | 133 | 133        | 133  | 133  | 133  | 133  | 133  |
| <b>X4</b>     | -   | -          | 900  | 1000 | 1133 | 1300 | 1500 |
| <b>X5</b>     | 133 | 133        | 133  | 133  | 133  | 133  | 133  |

## Z-U290 bracket



| Type      | 20 R | 21 R | 22 R | 33 R |
|-----------|------|------|------|------|
| <b>X1</b> | 133  | 133  | 150  | 150  |
| <b>X2</b> | 166  | 166  | 200  | 255  |

## Basic technical data

| Type                                                 | 20 R                         | 21 R                         | 22 R                         | 33 R                          |
|------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|
| <b>Height H [mm]</b>                                 | 554                          | 554                          | 554                          | 554                           |
| <b>Radiator weight [kg/m]</b>                        | 22,6                         | 28,0                         | 34,6                         | 52,4                          |
| <b>Water volume [l/m]</b>                            | 5,5                          | 5,5                          | 5,5                          | 8,2                           |
| <b>Flow coefficient <math>A_f</math> [m²]</b>        | $1,0 \times 10^{-4}$ (DN 15) | $1,0 \times 10^{-4}$ (DN 15) | $1,0 \times 10^{-4}$ (DN 15) | $1,18 \times 10^{-4}$ (DN 15) |
| <b>Resistance coefficient <math>\xi_r</math> [-]</b> | 8,5 (DN 15)                  | 8,5 (DN 15)                  | 8,5 (DN 15)                  | 5,8 (DN 15)                   |
| <b>Standard heat output [W/m]</b>                    | 914                          | 1210                         | 1576                         | 2257                          |
| <b>Temperature exponent n [-]</b>                    | 1,3010                       | 1,3300                       | 1,3344                       | 1,3364                        |



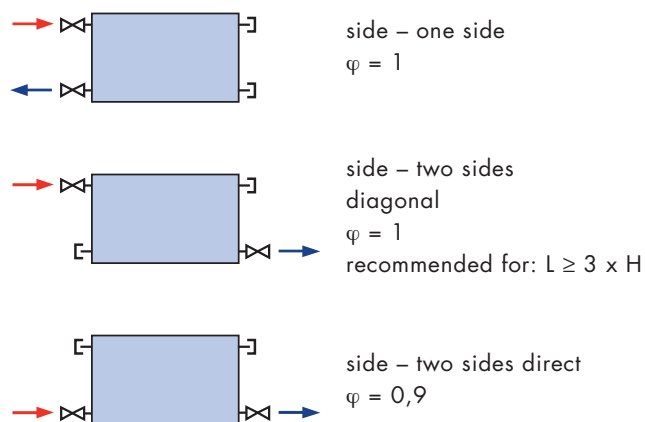
# RADIK® KLASIK - Z



## Technical Data

|                                     |                                                                           |
|-------------------------------------|---------------------------------------------------------------------------|
| Height H                            | 300, 400, 500, 600, 900 mm                                                |
| Length L                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm |
| Connecting pitch                    | $h = H - 54$ mm                                                           |
| Connecting thread                   | 4 x G1/2 inside                                                           |
| Highest allowed working pressure    | 10 bar                                                                    |
| Highest allowed working temperature | 110 °C                                                                    |
| Radiator connection                 | left or right side                                                        |

## Examples of connection to the heating system



## Description

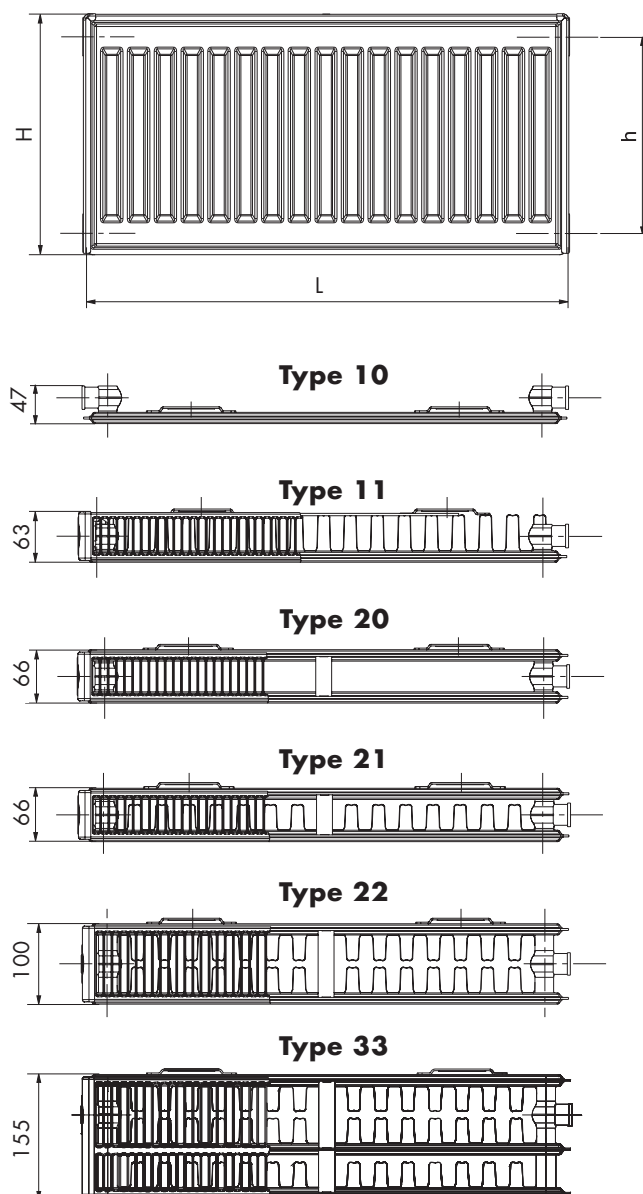
RADIK zinc-coated panel radiators are intended for rooms with a high risk of corrosion because of high humidity or chemically aggressive atmospheres. Resistance to corrosion is increased thanks to a layer of zinc plating, which slows down the corrosion process and results in an extended life of the radiator.

**RADIK KLASIK - Z** model is a steel panel radiator in KLASIK version which allows **left or right side connection** to the heating system circuit. It is intended for heating systems which are gravity or pressure fed. Two upper and lower hangers are welded at the back of the radiator. Radiators 1 800 mm long and longer have six welded hangers.

## Notice:

Because of the particular qualities of the zinc-coating and the use of special polyester paint, the zinc-coated radiators are not exactly identical in appearance to the standard RADIK radiators.

## Overview of types





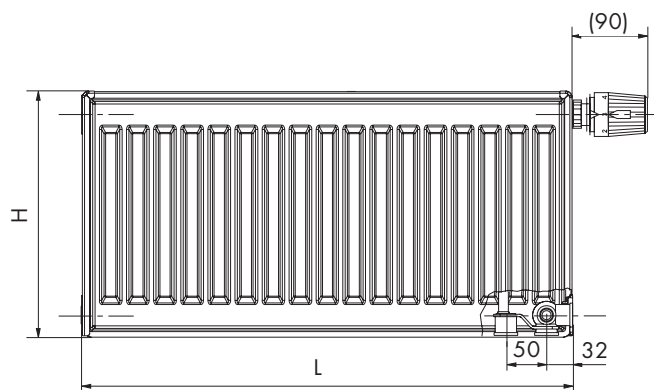
# RADIK® VK



## Description

**RADIK VK** model is a steel panel radiator in VENTIL KOMPAKT version which allows **right bottom connection** to a pressure fed heating system. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

## Overview of types



## Technical Data

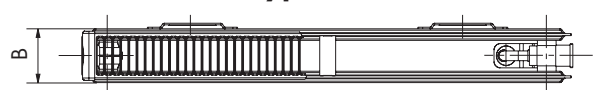
|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 10 VK                                 | 47 mm                                                                                       |
| Type 11 VK                                 | 63 mm                                                                                       |
| Type 20 VK                                 | 66 mm                                                                                       |
| Type 21 VK                                 | 66 mm                                                                                       |
| Type 22 VK                                 | 100 mm                                                                                      |
| Type 33 VK                                 | 155 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | right bottom                                                                                |



**Type 11 VK**



**Type 20 VK**



**Type 21 VK**



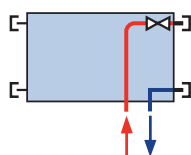
**Type 22 VK**



**Type 33 VK**



## Example of connection to the heating system



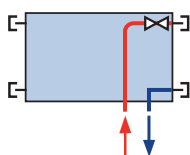
right bottom  
 $\varphi = 1$



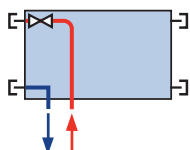
## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 20 VKU                                | 66 mm                                                                                       |
| Type 21 VKU                                | 66 mm                                                                                       |
| Type 22 VKU                                | 100 mm                                                                                      |
| Type 33 VKU                                | 155 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | right or left bottom                                                                        |

## Examples of connection to the heating system



right bottom  
 $\varphi = 1$



left bottom  
 $\varphi = 1$

## Description

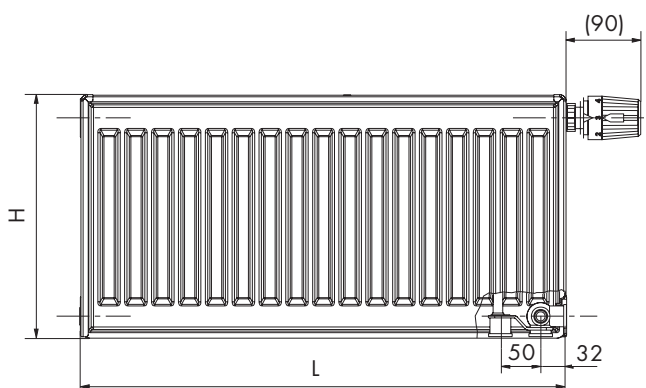
**RADIK VKU** model is a steel panel radiator in VENTIL KOMPAKT version which allows **left or right bottom connection** to the pressurized heating system. No hangers are welded on the back, so radiator types 20, 21, 22, and 33 can be turned round.

Note:

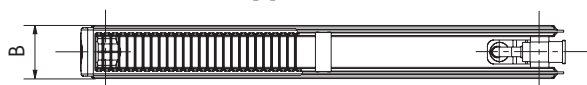
Type 33 VKU does not have symmetrically placed connections with respect to the depth of the radiator.

When placing the radiator on the wall, it is necessary to use Spring Loaded Brackets (see the KORAMONT catalogue).

## Overview of types



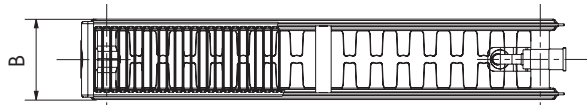
**Type 20 VKU**



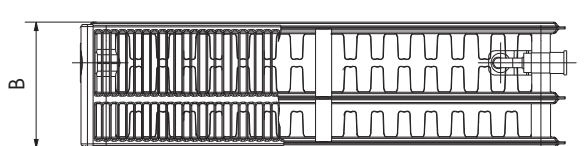
**Type 21 VKU**



**Type 22 VKU**



**Type 33 VKU**





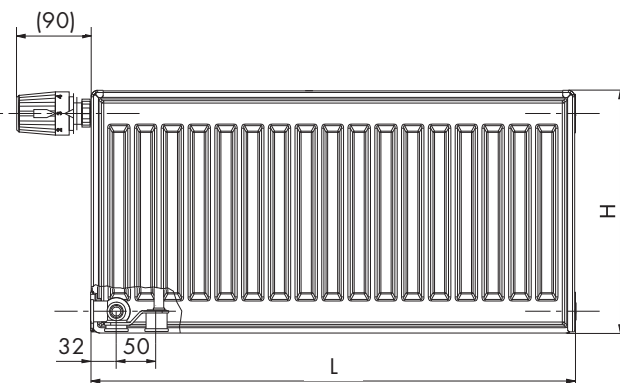
# RADIK® VKL



## Description

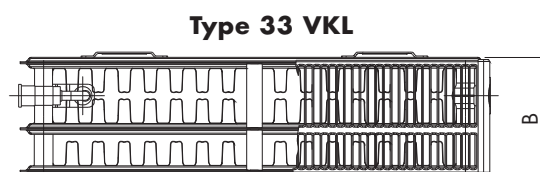
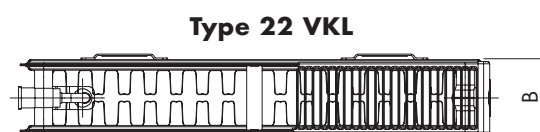
**RADIK VKL** model is a steel panel radiator in VENTIL KOMPAKT version which allows **left bottom connection** to a heating system which is pressure fed. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

## Overview of types

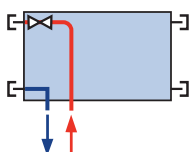


## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 10 VKL                                | 47 mm                                                                                       |
| Type 11 VKL                                | 63 mm                                                                                       |
| Type 20 VKL                                | 66 mm                                                                                       |
| Type 21 VKL                                | 66 mm                                                                                       |
| Type 22 VKL                                | 100 mm                                                                                      |
| Type 33 VKL                                | 155 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | left bottom                                                                                 |



## Examples of connection to the heating system



left bottom  
 $\varphi = 1$



# RADIK® COMBI VK



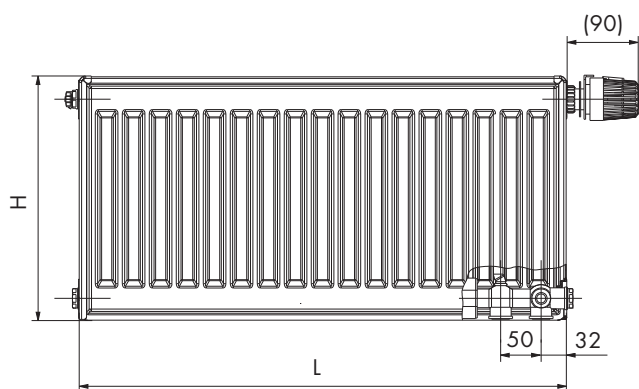
## Description

**RADIK COMBI VK** is a panel radiator in a VENTIL KOMPAKT design allowing a **right bottom connection** to the heating system distribution. It is designed for the pressurized heating systems.

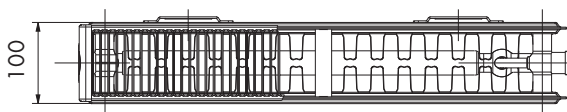
RADIK COMBI VK is designed for a combined installation with the electric heater. This combination creates a panel radiator suitable for combined heating (hot water – electricity) and can be used independently of the operation of the heating system. From the view of the electric installation the electric heater does not require any special arrangements in the heated room. It is recommended to install it together with the installation of the radiator.

There are two upper and two bottom hangers welded on the rear side. The standard set contains an air vent, 2 pieces of blanking plugs, a valve with a pre-set flow rate covered by a plastic cap.

## Overview of types



### Type 22 COMBI VK

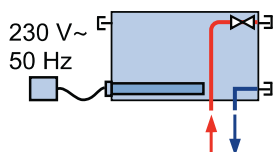


## Technical Data

|                                     |                                |
|-------------------------------------|--------------------------------|
| Height H                            | 500, 600 mm                    |
| Length L                            | 800, 1000, 1200, 1400, 1600 mm |
| Connecting pitch                    | 50 mm                          |
| Connecting thread                   | 5 x G1/2 inside                |
| Highest allowed working pressure    | 10 bar                         |
| Highest allowed working temperature | 110 °C                         |
| Radiator connection                 | right bottom                   |

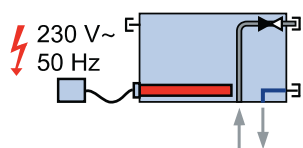
## Different ways of usage of the radiator

Connection to the water heating system

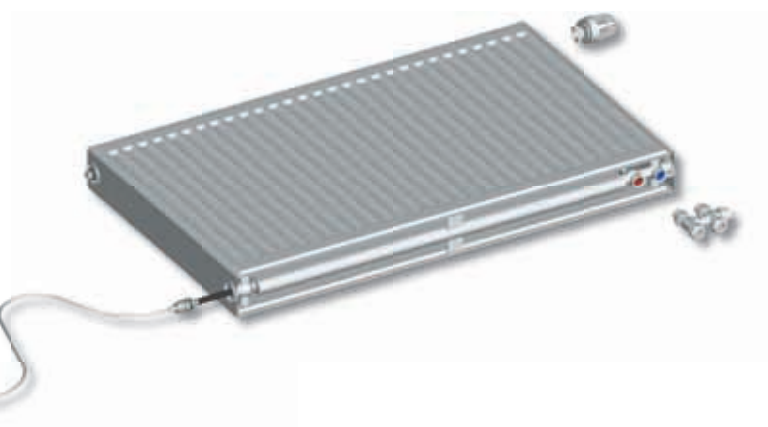


right bottom  
 $\varphi = 1$

Usage as a direct electric radiator



the valve of the  
radiator is closed



Before installation you should check with your local authority to ensure that this type of radiator is permissible to use.

The company reserves the right to make technical changes.

Guidelines for ordering are described on page 96.



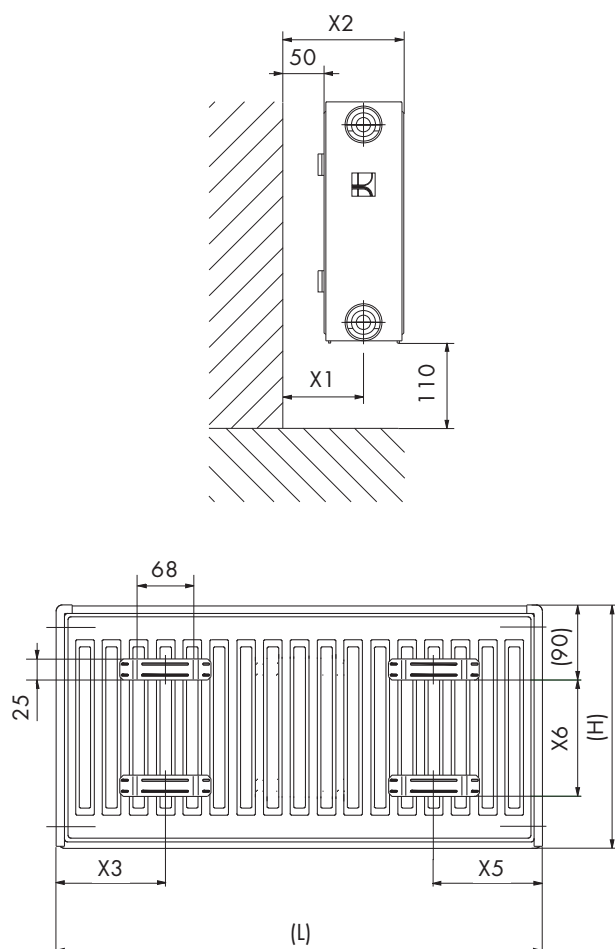
# RADIK® COMBI VK - COMBINED HEATING

## Direct electric heating

Before the radiator is set in electric operation we recommend to close the regulation valve and check whether the radiator is properly vented.

Elements for the electric operation, operation signalling and regulation based on temperature or time are not a part of delivery.

## Position of radiator



## Table of sizes

| Length L [mm] | 800 ÷ 1600 |
|---------------|------------|
| <b>X1</b>     | 100        |
| <b>X2</b>     | 150        |
| <b>X3</b>     | 133        |
| <b>X5</b>     | 133        |

| Height H [mm] | 500 | 600 |
|---------------|-----|-----|
| <b>X6</b>     | 345 | 445 |

Notice:

The values **X1** and **X2** are dependent on the type of the actually used mounting bracket..



| Technical Data             | Electric heating element |
|----------------------------|--------------------------|
| <b>Temperature limiter</b> | yes                      |
| <b>Output range</b>        | 600 ÷ 1350 W             |
| <b>Working voltage</b>     | 230 V / 50 Hz            |
| <b>Coverage</b>            | IP 44                    |
| <b>Consumer class</b>      | 1                        |
| <b>Connecting cable</b>    | 1,5 m                    |
| <b>Connecting thread</b>   | G 1/2                    |
| <b>Working position</b>    | horizontal               |

## Description of the radiator ordering

| Output [W]  | Ordering code | Length [mm] |
|-------------|---------------|-------------|
| <b>600</b>  | Z-KTT-0600    | 550         |
| <b>700</b>  | Z-KTT-0700    | 550         |
| <b>800</b>  | Z-KTT-0800    | 720         |
| <b>900</b>  | Z-KTT-0900    | 720         |
| <b>1000</b> | Z-KTT-1000    | 720         |
| <b>1200</b> | Z-KTT-1200    | 875         |
| <b>1350</b> | Z-KTT-1350    | 875         |

## Table for creation of a code

### Z-KTT - XXXX



Notice:

When ordering the RADIK COMBI VK it is necessary to quote the article code of the radiator (see please p. 96) and of the electrical heating element. (see please p. 29)



**RADIK® VKM**



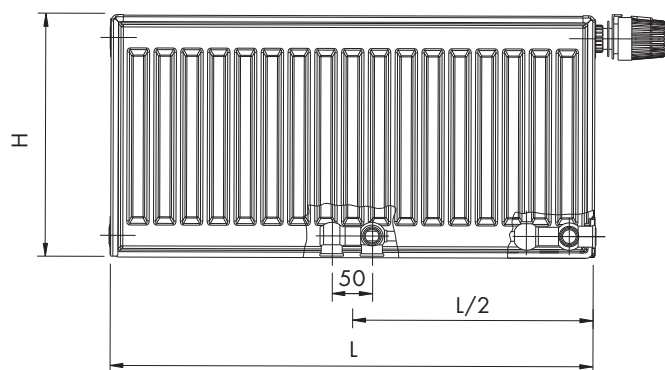
### Description

The conception of **RADIK VKM** radiators is based on the VENTIL KOMPAKT design. The original design of the inner distribution allows the **bottom middle connection** of the radiator to the heating system. Two upper and two bottom hangers are welded on the rear side, radiators with length of 1800 mm and longer have six hangers.

RADIK VKM panel radiators are designed for the use in modern pressurized heating systems with horizontally led distribution pipelines either under the radiator in the floor or in the wall.

The design of the RADIK VKM radiator is protected under patent.

### Overview of types



**Type 10 VKM**



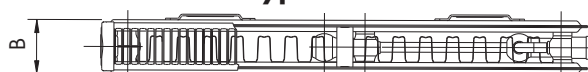
**Type 11 VKM**



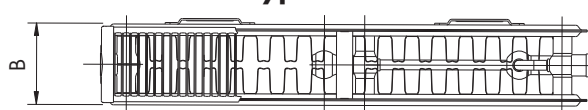
**Type 20 VKM**



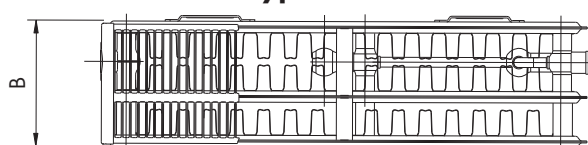
**Type 21 VKM**



**Type 22 VKM**



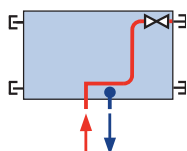
**Type 33 VKM**



### Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Length B</b>                            |                                                                                             |
| Type 10 VKM                                | 47 mm                                                                                       |
| Type 11 VKM                                | 63 mm                                                                                       |
| Type 20 VKM                                | 66 mm                                                                                       |
| Type 21 VKM                                | 66 mm                                                                                       |
| Type 22 VKM                                | 100 mm                                                                                      |
| Type 33 VKM                                | 155 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | middle connection                                                                           |

### Example of connection to the heating system



middle connection  
 $\varphi = 1$

Guidelines for ordering are described on page 96.



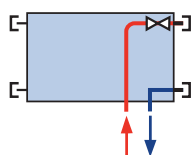
# RADIK® VK - Z



## Technical Data

|                                            |                                                                           |
|--------------------------------------------|---------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm |
| <b>Depth B</b>                             |                                                                           |
| Type 10 VK                                 | 47 mm                                                                     |
| Type 11 VK                                 | 63 mm                                                                     |
| Type 20 VK                                 | 66 mm                                                                     |
| Type 21 VK                                 | 66 mm                                                                     |
| Type 22 VK                                 | 100 mm                                                                    |
| Type 33 VK                                 | 155 mm                                                                    |
| <b>Connecting pitch</b>                    | 50 mm                                                                     |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                           |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                    |
| <b>Highest allowed working temperature</b> | 110 °C                                                                    |
| <b>Radiator connection</b>                 | right bottom                                                              |

## Example of connection to the heating system



right bottom  
 $\psi = 1$

## Description

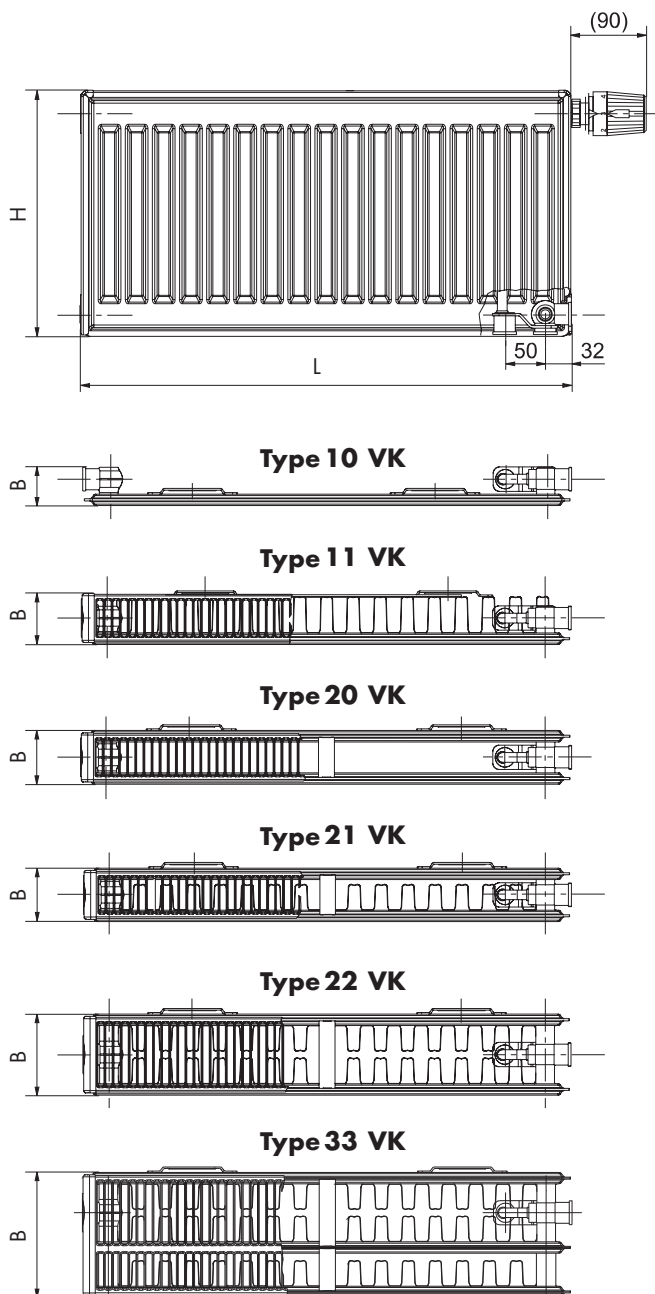
RADIK zinc-coated panel radiators are intended for rooms with a high risk of corrosion because of high humidity or chemically aggressive atmospheres. Resistance to corrosion is increased thanks to a layer of zinc plating, which slows down the corrosion process and results in an extended life of the radiator.

**RADIK VK** model is a steel panel radiator in VENTIL KOMPAKT version which allows **right bottom connection** to a pressure fed heating system. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

## Notice:

Because of the particular qualities of the zinc-coating and the use of special polyester paint, the zinc-coated radiators are not exactly identical in appearance to the standard RADIK radiators.

## Overview of types





# RADIK® PLAN KLASIK

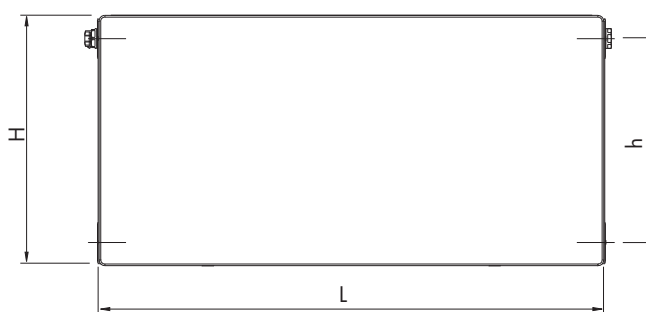


## Description

**RADIK PLAN KLASIK** is a steel panel radiator in KLASIK version which allows **left or right side connection** to the heating system circuit. It is intended for heating systems which are gravity or pressure fed.

Two upper and lower hangers are welded at the back of the radiator. Radiators 1 800 mm long and longer have six welded hangers.

## Overview of types



**Type 10 PLAN**



**Type 11 PLAN**



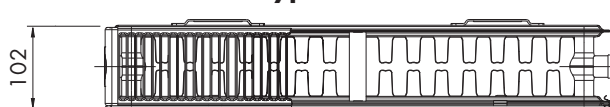
**Type 20 PLAN**



**Type 21 PLAN**



**Type 22 PLAN**



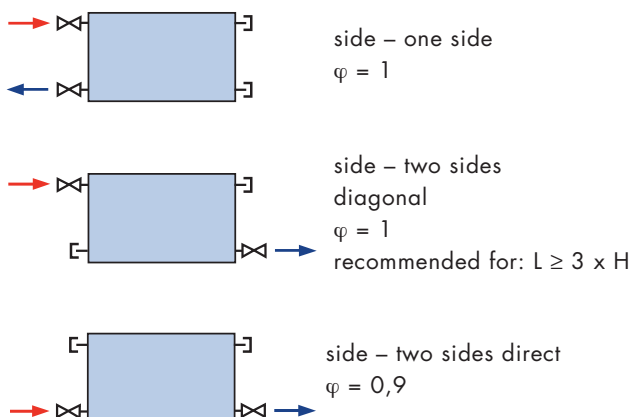
**Type 33 PLAN**



## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Connecting pitch</b>                    | $h = H - 54$ mm                                                                             |
| <b>Connecting thread</b>                   | 4 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | left or right side                                                                          |

## Examples of connection to the heating system





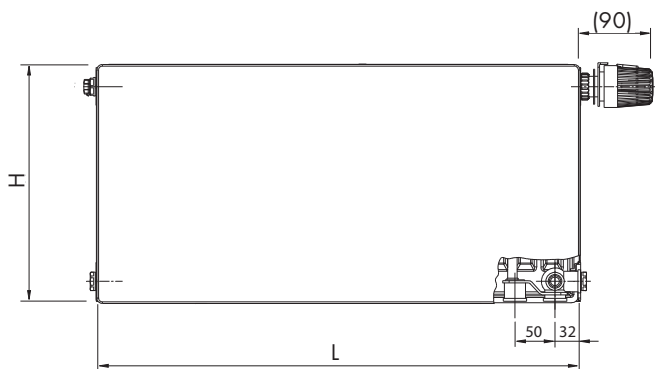
# RADIK® PLAN VK



## Description

**RADIK PLAN VK** model is a steel panel radiator in VENTIL KOMPAKT version which allows **right bottom connection** to a pressure - fed heating system. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

## Overview of types



**Type 10 PLAN VK**



**Type 11 PLAN VK**



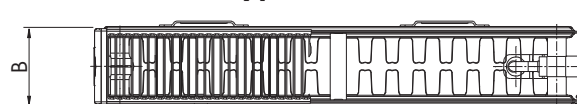
**Type 20 PLAN VK**



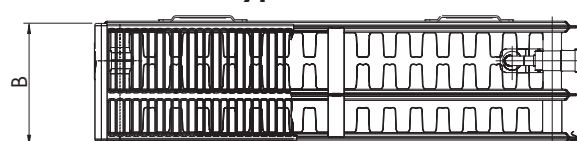
**Type 21 PLAN VK**



**Type 22 PLAN VK**



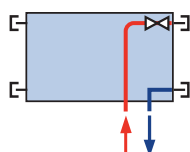
**Type 33 PLAN VK**



## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 10 PLAN VK                            | 49 mm                                                                                       |
| Type 11 PLAN VK                            | 65 mm                                                                                       |
| Type 20 PLAN VK                            | 68 mm                                                                                       |
| Type 21 PLAN VK                            | 68 mm                                                                                       |
| Type 22 PLAN VK                            | 102 mm                                                                                      |
| Type 33 PLAN VK                            | 157 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | right bottom                                                                                |

## Example of connection to the heating system



right bottom  
 $\varphi = 1$



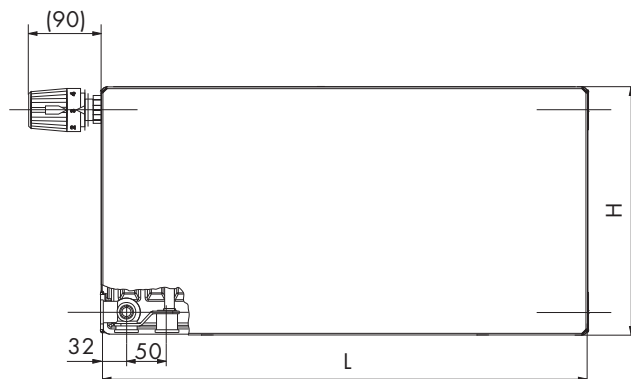
# RADIK® PLAN VKL



## Description

**RADIK PLAN VKL** model is a steel panel radiator in VENTIL KOMPAKT version which allows **left bottom connection** to a pressure - fed heating system. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

## Overview of types



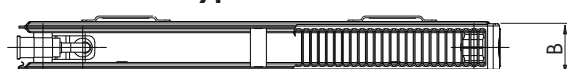
**Type 10 PLAN VKL**



**Type 11 PLAN VKL**



**Type 20 PLAN VKL**



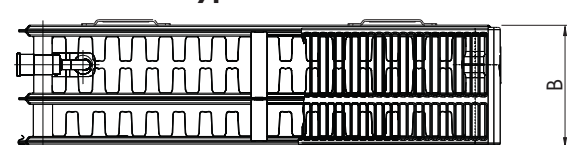
**Type 21 PLAN VKL**



**Type 22 PLAN VKL**



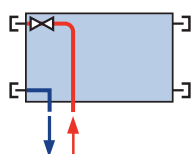
**Type 33 PLAN VKL**



## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 10 PLAN VKL                           | 49 mm                                                                                       |
| Type 11 PLAN VKL                           | 65 mm                                                                                       |
| Type 20 PLAN VKL                           | 68 mm                                                                                       |
| Type 21 PLAN VKL                           | 68 mm                                                                                       |
| Type 22 PLAN VKL                           | 102 mm                                                                                      |
| Type 33 PLAN VKL                           | 157 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | left bottom                                                                                 |

## Example of connection to the heating system



left bottom  
 $\varphi = 1$



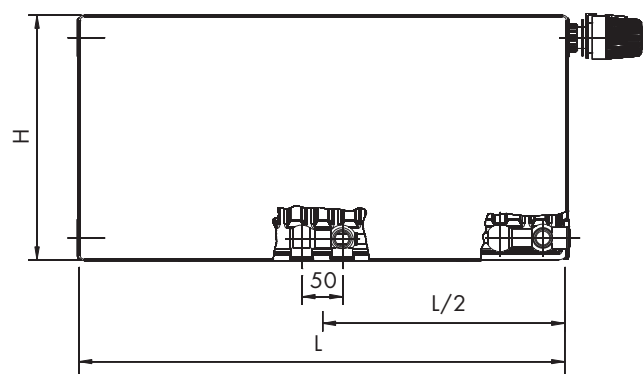
# RADIK® PLAN VKM



## Description

The type **RADIK PLAN VKM** is a steel panel radiator which enables the **bottom middle connection** to the pressurized heating system. There are 2 upper and 2 bottom hangers welded on the back side of the radiator, radiators with length of 1800 mm and more have 6 hangers.

## Overview of types



**Type 10 PLAN VKM**



**Type 11 PLAN VKM**



**Type 20 PLAN VKM**



**Type 21 PLAN VKM**



**Type 22 PLAN VKM**



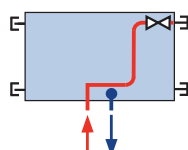
**Type 33 PLAN VKM**



## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 10 PLAN VKM                           | 49 mm                                                                                       |
| Type 11 PLAN VKM                           | 65 mm                                                                                       |
| Type 20 PLAN VKM                           | 68 mm                                                                                       |
| Type 21 PLAN VKM                           | 68 mm                                                                                       |
| Type 22 PLAN VKM                           | 102 mm                                                                                      |
| Type 33 PLAN VKM                           | 157 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | middle connection                                                                           |

## Example of connection to the heating system



middle connection  
 $\varphi = 1$



# RADIK® PLAN VERTIKAL - M



## Description

The **RADIK PLAN VERTIKAL - M** model is a vertically aligned panel radiator with a flat front panel. Its design allows for **bottom middle connection** to a pressurised heating system. It is equipped with a total of 6 outlets with a G1/2 internal thread. Two upper and two lower fixing hangers are welded to the back. Type 20 radiators in lengths of 600 and 900 mm have one extra fixing hanger at the top.

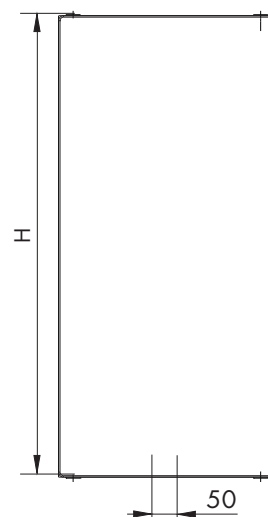


For connecting to the heating system we recommend using the Integrated Fitting HM supplied with a thermostatic head (see page 90)

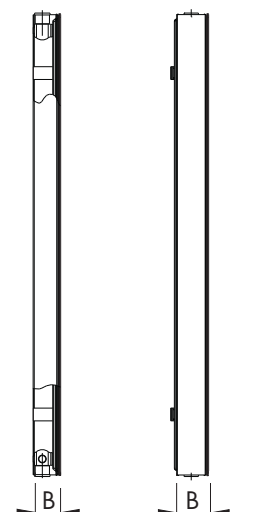
## Technical Data

|                                            |                           |
|--------------------------------------------|---------------------------|
| <b>Height H</b>                            | 1600, 1800, 2000, 2300 mm |
| <b>Length L</b>                            | 400, 600, 900 mm          |
| <b>Depth B</b>                             |                           |
| Type 10                                    | 52 mm                     |
| Type 20                                    | 68 mm                     |
| <b>Connecting pitch</b>                    | 50 mm                     |
| <b>Connecting thread</b>                   | 6 x G1/2 inside           |
| <b>Highest allowed working pressure</b>    | 10 bar                    |
| <b>Highest allowed working temperature</b> | 110 °C                    |
| <b>Radiator connection</b>                 | middle connection         |

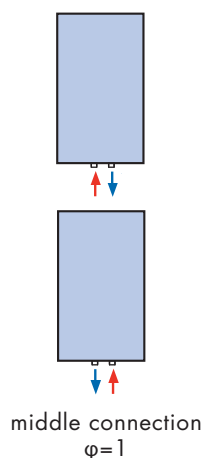
## Overview of types



**Type 10    Type 20**



## Examples of connection to the heating system





# RADIK® LINE VERTIKAL - M



## Description

The **RADIK LINE VERTIKAL - M** model is a vertically aligned panel radiator with moulded front panel. Its design allows for **bottom middle connection** to a pressurised heating system. It is equipped with a total of 6 outlets with a G1/2 internal thread. Two upper and two lower fixing hangers are welded to the back. Type 20 radiators in lengths of 600 and 900 mm have one extra fixing hanger at the top.

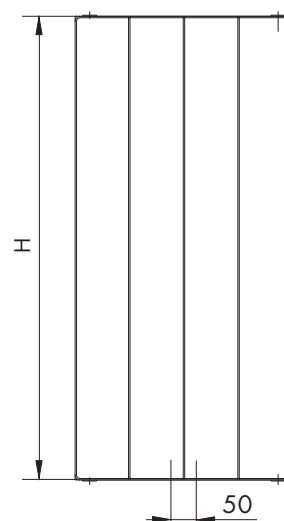


For connecting to the heating system we recommend using the Integrated Fitting HM supplied with a thermostatic head (see page 90)

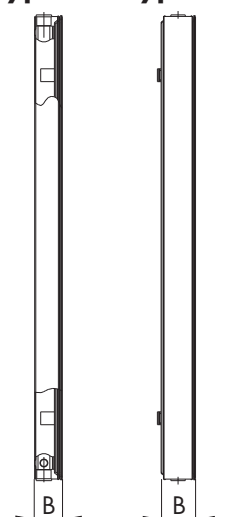
## Technical Data

|                                            |                           |
|--------------------------------------------|---------------------------|
| <b>Height H</b>                            | 1600, 1800, 2000, 2300 mm |
| <b>Length L</b>                            | 400, 600, 900 mm          |
| <b>Depth B</b>                             |                           |
| Type 10                                    | 52 mm                     |
| Type 20                                    | 68 mm                     |
| <b>Connecting pitch</b>                    | 50 mm                     |
| <b>Connecting thread</b>                   | 6 x G1/2 inside           |
| <b>Highest allowed working pressure</b>    | 10 bar                    |
| <b>Highest allowed working temperature</b> | 110 °C                    |
| <b>Radiator connection</b>                 | middle connection         |

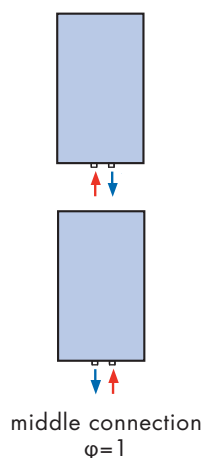
## Overview of types



**Type 10 Type 20**



## Examples of connection to the heating system





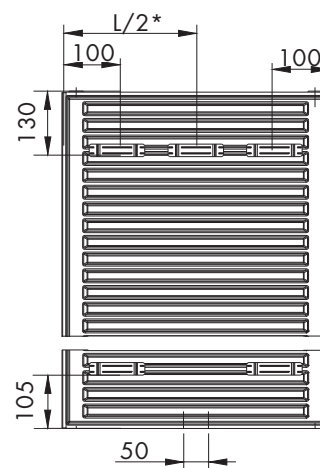
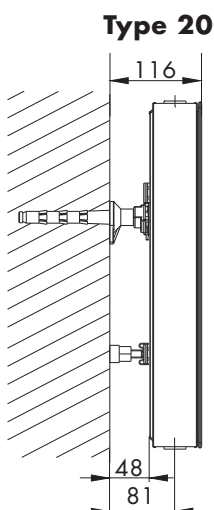
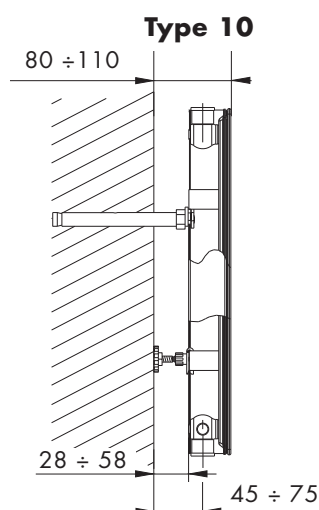
# RADIK® PLAN VERTIKAL - M, LINE VERTIKAL - M

## Fixation

For fixing to the wall, we recommend use of the 18/120 (Z-U144) drill-in bracket - always 2 brackets. When using Z-U140 and Z-U300 brackets, the required number of brackets is the same as the number of upper fixing hangers. When using the Z-U320 bracket, you must always use four brackets.

## Fixation

| Recommended mounting brackets - type | Code for ordering | Type 10 | Type 20 |
|--------------------------------------|-------------------|---------|---------|
| Drill-in bracket 15/120              | Z-U140            |         | X       |
| Drill-in bracket 18/120              | Z-U144            | X       | X       |
| Simple wall bracket                  | Z-U320            | X       | X       |
| Simple wall bracket - angled         | Z-U300            | X       | X       |



\* valid for Type 20 with length 600 and 900 mm

## Heat output and basic technical parameters

| 20°C                                     |                      | Type 10                |        |        |        | Type 20                 |        |        |        |
|------------------------------------------|----------------------|------------------------|--------|--------|--------|-------------------------|--------|--------|--------|
| Length L<br>[mm]                         |                      | Height H [mm]          |        |        |        |                         |        |        |        |
|                                          |                      | 1600                   | 1800   | 2000   | 2300   | 1600                    | 1800   | 2000   | 2300   |
| 400                                      | Q [W] 90/70 [°C]     | 751                    | 823    | 891    | 989    | 1068                    | 1168   | 1264   | 1400   |
|                                          | Q [W] 75/65 [°C]     | 602                    | 661    | 717    | 797    | 847                     | 927    | 1004   | 1114   |
|                                          | Q [W] 70/55 [°C]     | 487                    | 536    | 582    | 648    | 677                     | 742    | 804    | 894    |
|                                          | Q [W] 55/45 [°C]     | 315                    | 348    | 379    | 423    | 429                     | 471    | 511    | 570    |
|                                          | Water volume [l]     | 3,7                    | 4,1    | 4,6    | 5,3    | 7,0                     | 7,9    | 8,8    | 10,1   |
|                                          | Radiator weight [kg] | 20,11                  | 22,59  | 25,07  | 28,85  | 33,23                   | 37,51  | 41,61  | 47,91  |
|                                          | Temp. exponent n [-] | 1,2512                 | 1,2400 | 1,2334 | 1,2234 | 1,3160                  | 1,3115 | 1,3056 | 1,2967 |
| 600                                      | Q [W] 90/70 [°C]     | 1035                   | 1133   | 1227   | 1363   | 1491                    | 1631   | 1764   | 1955   |
|                                          | Q [W] 75/65 [°C]     | 829                    | 909    | 986    | 1097   | 1185                    | 1297   | 1404   | 1559   |
|                                          | Q [W] 70/55 [°C]     | 669                    | 735    | 799    | 890    | 950                     | 1040   | 1127   | 1254   |
|                                          | Q [W] 55/45 [°C]     | 432                    | 477    | 519    | 580    | 604                     | 663    | 720    | 803    |
|                                          | Water volume [l]     | 5,0                    | 5,6    | 6,2    | 7,1    | 9,3                     | 10,4   | 11,6   | 13,3   |
|                                          | Radiator weight [kg] | 28,41                  | 31,99  | 35,57  | 40,85  | 48,98                   | 55,16  | 61,26  | 70,46  |
|                                          | Temp. exponent [-]   | 1,2595                 | 1,2482 | 1,2415 | 1,2315 | 1,3036                  | 1,2991 | 1,2932 | 1,2844 |
| 900                                      | Q [W] 90/70 [°C]     | 1426                   | 1560   | 1692   |        | 2090                    | 2283   | 2471   |        |
|                                          | Q [W] 75/65 [°C]     | 1141                   | 1251   | 1358   |        | 1659                    | 1814   | 1965   |        |
|                                          | Q [W] 70/55 [°C]     | 921                    | 1011   | 1099   |        | 1328                    | 1454   | 1576   |        |
|                                          | Q [W] 55/45 [°C]     | 594                    | 655    | 713    |        | 843                     | 924    | 1004   |        |
|                                          | Water volume [l]     | 6,9                    | 7,7    | 8,6    |        | 13,3                    | 15,0   | 16,6   |        |
|                                          | Radiator weight [kg] | 45,21                  | 50,79  | 56,47  |        | 75,47                   | 84,95  | 94,45  |        |
|                                          | Temp. exponent n [-] | 1,2637                 | 1,2524 | 1,2457 |        | 1,3097                  | 1,3052 | 1,2993 |        |
| Resistance coefficient $\xi_r$ [-]       |                      | 140,0                  |        |        |        | 82,0                    |        |        |        |
| Flow coefficient $A_f$ [m <sup>2</sup> ] |                      | 2,4 x 10 <sup>-5</sup> |        |        |        | 3,14 x 10 <sup>-5</sup> |        |        |        |

Characteristic equation:  $\Phi = K \cdot L^a \cdot H^b \cdot \Delta T^{(c_0 + c_1 \cdot H)}$



# RADIK<sup>®</sup> MM



## Description

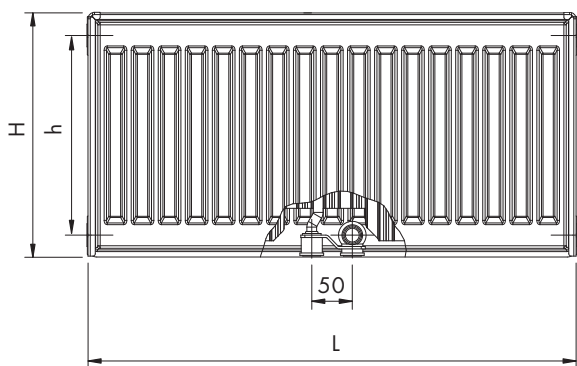
The **RADIK MM** model is a steel panel radiator without a valve, which allows for modern **bottom middle connection** to a pressurised heating system. Two upper and two lower fixing hangers are welded to the back, radiators 1800 mm in length or longer have six fixing hangers welded to the back.

The unique design solution differentiates RADIK MM not only from the competition, but also from traditional individual RADIK models.

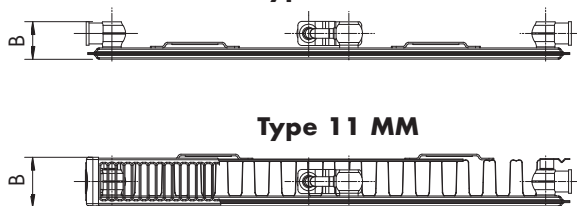


For connecting to the heating system we recommend using the Integrated Fitting HM supplied with a thermostatic head (see page 90)

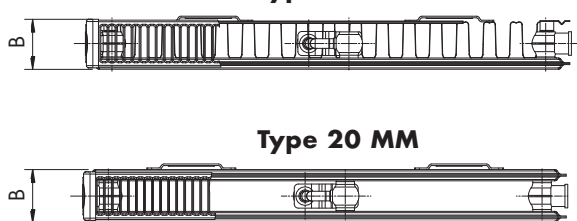
## Overview of types



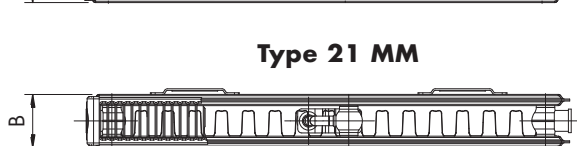
**Type 10 MM**



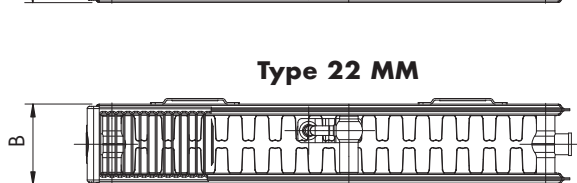
**Type 11 MM**



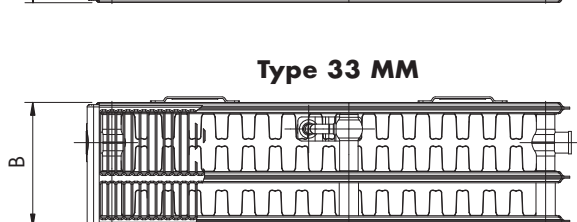
**Type 20 MM**



**Type 21 MM**



**Type 22 MM**

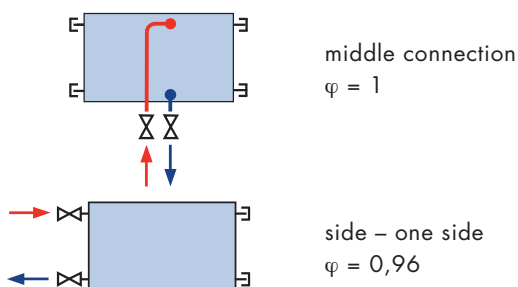


**Type 33 MM**

## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 10 MM                                 | 47 mm                                                                                       |
| Type 11 MM                                 | 63 mm                                                                                       |
| Type 20 MM                                 | 66 mm                                                                                       |
| Type 21 MM                                 | 66 mm                                                                                       |
| Type 22 MM                                 | 100 mm                                                                                      |
| Type 33 MM                                 | 155 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | middle connection, left or right side                                                       |

## Example of connection to the heating system



Guidelines for ordering are described on page 96.

The company reserves the right to make technical changes.

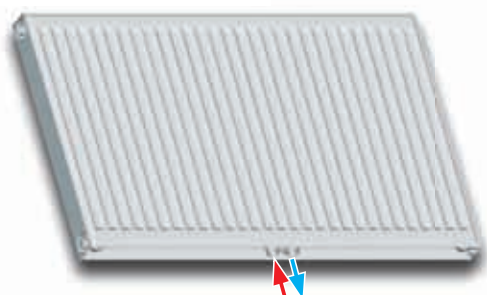


# RADIK<sup>®</sup> MM

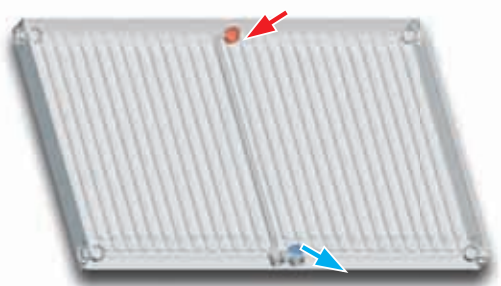
## Characteristics

New and nontraditional design RADIK MM:

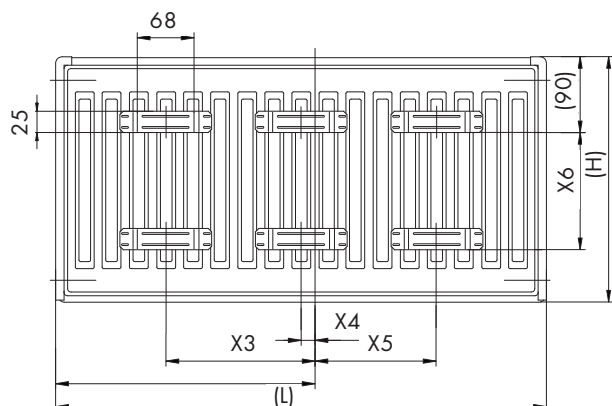
- bottom middle connection to the heating system with a connecting pitch of 50 mm
- panel radiator without a valve



- heating water is fed directly into the middle of the upper part of the radiator panels
- heating water is drained directly from the middle of the lower part of the radiator panels



## Location of hangers



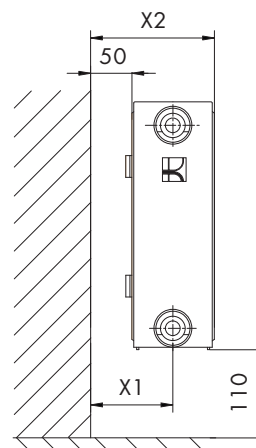
- A** - for type 20 MM , 21 MM , 22 MM , 33 MM
- B** - for type 10 MM
- C** - for type 11 MM

## Uniqueness

RADIK MM is without a doubt a next generation steel panel radiator. The unique design solution of RADIK means:

- an increase in heat output
  - caused by more even heating of the radiator panels
- freedom of design and the possibility of exchanging the radiator
  - allows for exchange of the radiator for another radiator with different dimensions or of a different type without any modification to the connection pipes
- simplicity, speed and precision of installation
  - simple measuring before installation
  - uniform distance of outlet midpoints from the wall for types 20, 21, 22 and 33
- variability in connection to the heating system, leading to optimization of warehouse stock
  - modern bottom middle connection
  - possibility of side connection
- freedom and creativity on selection of connecting fittings
  - any connection fitting can be selected

## Position of radiator



## Table of sizes

| Type      | 10 MM | 11 MM | 20 MM | 21 MM | 22 MM | 33 MM |
|-----------|-------|-------|-------|-------|-------|-------|
| <b>X1</b> | 32    | 75    | 83    | 83    | 83    | 83    |
| <b>X2</b> | 64    | 107   | 116   | 116   | 150   | 205   |

| Height H [mm] | 300 | 400 | 500 | 600 | 900 |
|---------------|-----|-----|-----|-----|-----|
| <b>X6</b>     | 145 | 245 | 345 | 445 | 745 |

| Length L [mm] |   | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1400 | 1600 | 1800 | 2000 | 2300 | 2600 | 3000 |
|---------------|---|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| X3            | A | 67  | 117 | 167 | 217 | 267 | 317 | 367  | 417  | 467  | 567  | 667  | 767  | 867  | 1067 | 1167 | 1367 |
|               | B | -   | 114 | 167 | 217 | 267 | 317 | 367  | 417  | 467  | 567  | 667  | 767  | 867  | -    | -    | -    |
|               | C | 83  | 77  | 150 | 200 | 250 | 300 | 350  | 400  | 450  | 550  | 650  | 750  | 580  | 1000 | 1150 | 1350 |
| X4            | A | -   | -   | -   | -   | -   | -   | -    | -    | -    | -    | -    | 0    | 0    | 0    | 0    | 0    |
|               | B | -   | -   | -   | -   | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|               | C | -   | -   | -   | -   | -   | -   | -    | -    | -    | -    | -    | 17   | 17   | 17   | 17   | 17   |
| X5            | A | 67  | 117 | 167 | 217 | 267 | 317 | 367  | 417  | 467  | 567  | 667  | 767  | 867  | 1067 | 1167 | 1367 |
|               | B | -   | 114 | 167 | 217 | 267 | 317 | 367  | 417  | 467  | 567  | 667  | 767  | 867  | -    | -    | -    |
|               | C | 83  | 77  | 150 | 200 | 250 | 300 | 350  | 400  | 450  | 550  | 650  | 750  | 580  | 1000 | 1150 | 1350 |



# RADIK® HYGIENE



## Description

**RADIK HYGIENE** is a panel radiator, in design KLASIK, which can be connected to the heating system either from the **left or from the right side**. It is designed to be used in the pressurized or gravity fed heating systems.

It is suitable for installation and operation in rooms with high demands on hygiene and cleanness. All types are without convector fins; they have a smooth front panel and the weld seams are covered with a special flat strip. The type 20S is typical for a greater spacing between the panels (radiator depth B = 102 mm) compared with the traditional design of type 20 (B = 66 mm). On the rear side, two upper and two lower hangers are welded. Radiators with the length of 1800 mm and longer have six welded hangers. The standard product equipment includes an air-vent and a blanking plug as well as the necessary number of drill-in brackets (type 18/120 – see KORAMONT catalogue) which enable to mount the radiator up to 65 mm from the wall.

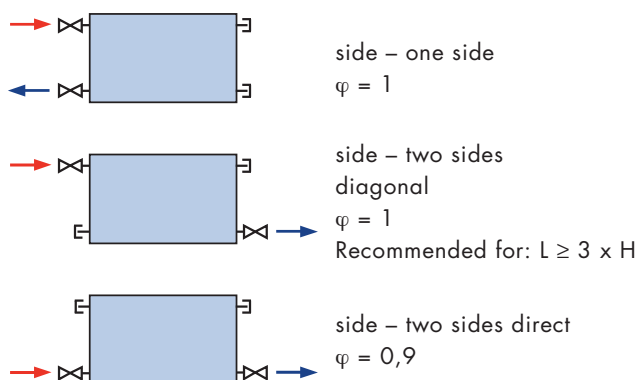
### Warning:

If the requested distance between the radiator and the wall should be 65 ÷ 80 mm, the same type of brackets can be used on condition that the bottom hangers will be fixed with brackets (not with supporting pieces only). In such a case, the additional brackets must be ordered because they are not included in the standard package.

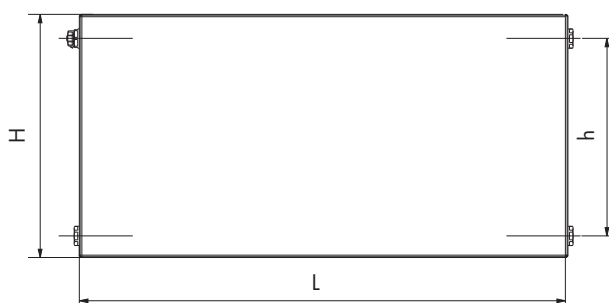
## Technical Data

|                                            |                                                                           |
|--------------------------------------------|---------------------------------------------------------------------------|
| <b>Height H</b>                            | 303, 503, 603, 903 mm                                                     |
| <b>Length L</b>                            | 404, 504, 604, 704, 804, 904, 1004, 1104, 1204, 1404, 1604, 1804, 2004 mm |
| <b>Depth B</b>                             |                                                                           |
| Type 10 HYGIENE                            | 49 mm                                                                     |
| Type 20S HYGIENE                           | 102 mm                                                                    |
| Type 30 HYGIENE                            | 157 mm                                                                    |
| <b>Connecting pitch</b>                    | $h = H - 57$ mm                                                           |
| <b>Connecting thread</b>                   | 4 x G1/2 inside                                                           |
| <b>Highest allowed working pressure</b>    | 1,0 MPa                                                                   |
| <b>Highest allowed working temperature</b> | 110 °C                                                                    |
| <b>Radiator connection</b>                 | left or right bottom                                                      |

## Example of connection to the heating system



## Overview of types



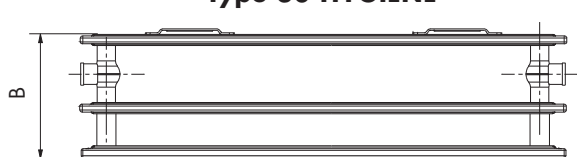
**Type 10 HYGIENE**



**Type 20S HYGIENE**



**Type 30 HYGIENE**





# RADIK® HYGIENE VK



## Description

**RADIK HYGIENE VK** is a panel radiator, in design VENTIL KOMPAKT, which enables the **right bottom connection** to the heating system. It is designed for pressurized heating systems.

It is suitable for installation and operation in rooms with high demands on hygiene and cleanliness. All types are without convector fins; they have a smooth front panel and the weld seams are covered with a special flat strip. The type 20S is typical for a greater spacing between the panels (radiator depth B = 102 mm) compared with the traditional design of type 20 (B = 66 mm). On the rear side, two upper and two lower hangers are welded. Radiators with the length of 1800 mm and longer have six welded hangers. The standard product equipment includes an air-vent and a blanking plug as well as the necessary number of drill-in brackets (type 18/120 – see KORAMONT catalogue) which enable to mount the radiator up to 65 mm from the wall.

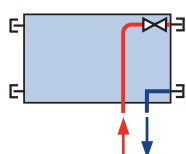
### Warning:

If the requested distance between the radiator and the wall should be 65 ÷ 80 mm, the same type of brackets can be used on condition that the bottom hangers will be fixed with brackets (not with supporting pieces only). In such a case, the additional brackets must be ordered because they are not included in the standard package.

## Technical Data

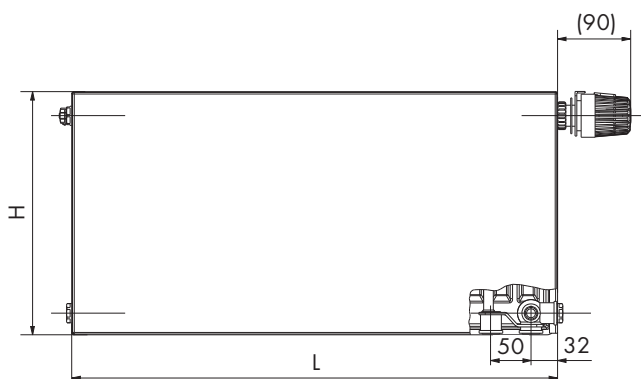
|                                            |                                                                           |
|--------------------------------------------|---------------------------------------------------------------------------|
| <b>Height H</b>                            | 303, 503, 603, 903 mm                                                     |
| <b>Length L</b>                            | 404, 504, 604, 704, 804, 904, 1004, 1104, 1204, 1404, 1604, 1804, 2004 mm |
| <b>Depth B</b>                             |                                                                           |
| Type 10 HYGIENE VK                         | 49 mm                                                                     |
| Type 20S HYGIENE VK                        | 102 mm                                                                    |
| Type 30 HYGIENE VK                         | 157 mm                                                                    |
| <b>Connecting pitch</b>                    | 50 mm                                                                     |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                           |
| <b>Highest allowed working pressure</b>    | 1,0 MPa                                                                   |
| <b>Highest allowed working temperature</b> | 110 °C                                                                    |
| <b>Radiator connection</b>                 | right bottom                                                              |

## Example of connection to the heating system



right bottom  
 $\varphi = 1$

## Overview of types



**Type 10 HYGIENE VK**



**Type 20S HYGIENE VK**



**Type 30 HYGIENE VK**





# RADIK® CLEAN



## Description

The **RADIK CLEAN** model is a steel panel radiator in the **KLASIK** version, which allows for **left or right side connection** to the heating system distribution mains. It is designed for pressurised heating systems or those with gravity circulation. It has been modified for installation and operation in rooms with greater demands on hygiene and cleanliness. All types are supplied without additional surfaces, grilles and side covers. Two upper and two lower fixing hangers are welded to the back, radiators 1800 mm in length or longer have six fixing hangers welded to the back. Basic equipment includes an air vent and blanking plug and the required number of type 18/120 drill-in brackets (see KORAMONT catalogue), which allow for fixing of the radiator in a standard manner at a distance of up to 65 from the wall.

## Important notice:

If there is a requirement for the distance of the radiator from the wall within the range  $65 \div 80$  mm, the same type of brackets can be used, but a condition is use of brackets on the lower row of fixing lugs too (not supports). In this case, these further brackets must be ordered, as they are not included in the basic equipment.

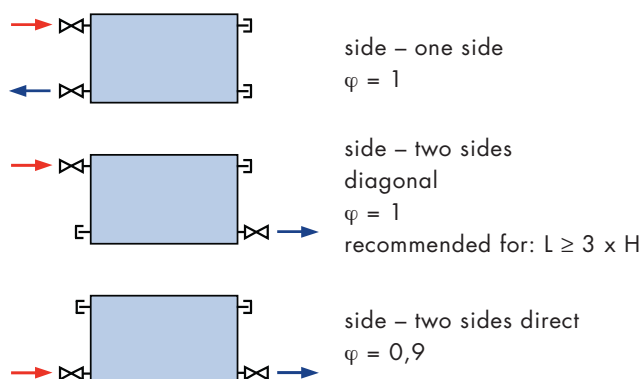
## Note:

The RADIK CLEAN type 10 and RADIK KLASIK type 10 radiators are identical.

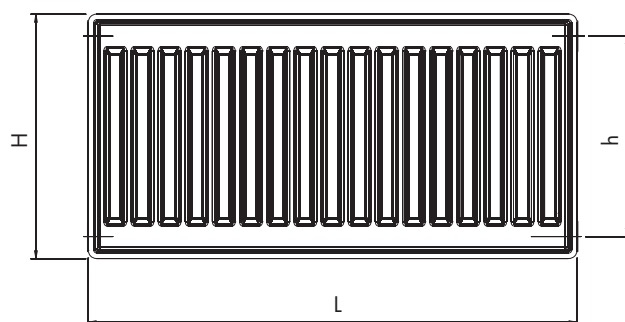
## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 10 CLEAN                              | 47 mm                                                                                       |
| Type 20S CLEAN                             | 100 mm                                                                                      |
| Type 30 CLEAN                              | 155 mm                                                                                      |
| <b>Connecting pitch</b>                    | <b>h - H - 54 mm</b>                                                                        |
| <b>Connecting thread</b>                   | 4 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | left or right side                                                                          |

## Example of connection to the heating system



## Overview of types



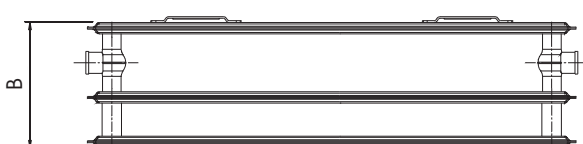
**Type 10 CLEAN**



**Type 20S CLEAN**



**Type 30 CLEAN**





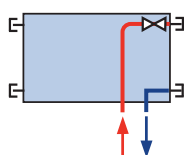
# RADIK® CLEAN VK



## Technical Data

|                                            |                                                                                             |
|--------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Height H</b>                            | 300, 400, 500, 600, 900 mm                                                                  |
| <b>Length L</b>                            | 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm |
| <b>Depth B</b>                             |                                                                                             |
| Type 10 CLEAN VK                           | 47 mm                                                                                       |
| Type 20S CLEAN VK                          | 100 mm                                                                                      |
| Type 30 CLEAN VK                           | 155 mm                                                                                      |
| <b>Connecting pitch</b>                    | 50 mm                                                                                       |
| <b>Connecting thread</b>                   | 6 x G1/2 inside                                                                             |
| <b>Highest allowed working pressure</b>    | 10 bar                                                                                      |
| <b>Highest allowed working temperature</b> | 110 °C                                                                                      |
| <b>Radiator connection</b>                 | right bottom                                                                                |

## Example of connection to the heating system



right bottom  
 $\varphi = 1$

## Description

The **RADIK CLEAN VK** model is a steel panel radiator in the VENTIL KOMPAKT version, which allows for **bottom right connection** to the heating system distribution mains. It is designed for pressurised heating systems.

It has been modified for installation and operation in rooms with greater demands on hygiene and cleanliness. All types are supplied without additional surfaces, grilles and side covers. Two upper and two lower fixing hangers are welded to the back, radiators 1800 mm in length or longer have six fixing hangers welded to the back. Basic equipment includes air vent and blanking plug and the required number of type 18/120 drill-in brackets (see KORAMONT catalogue), which allow for fixing of the radiator in a standard manner at a distance of up to 65 from the wall.

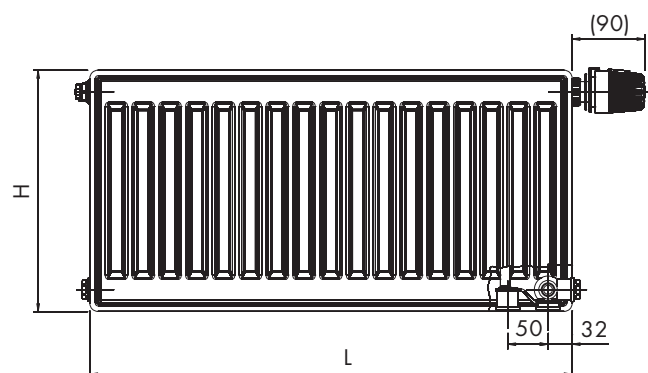
## Important notice:

If there is a requirement for the distance of the radiator from the wall within the range  $65 \div 80$  mm, the same type of brackets can be used, but a condition is use of brackets on the lower row of fixing lugs too (not supports). In this case, these further brackets must be ordered, as they are not included in the basic equipment.

## Note:

The RADIK CLEAN VK type 10 and RADIK VK type 10 radiators are identical.

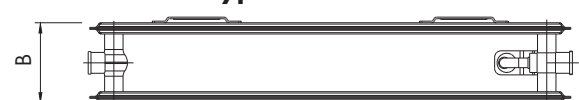
## Overview of types



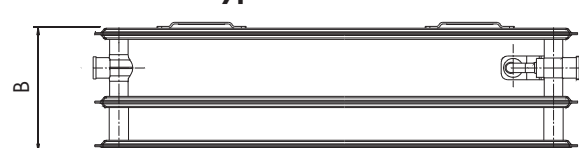
**Type 10 CLEAN VK**



**Type 20S CLEAN VK**



**Type 30 CLEAN VK**





# RADIK® RADIATORS UNDER DIFFERENT OPERATING CONDITIONS

## Conversion of coefficients f for n = 1,3

| t <sub>1</sub><br>[°C] | t <sub>2</sub><br>[°C] | Air temperature in room t <sub>i</sub> |       |       |       |       |       |       |
|------------------------|------------------------|----------------------------------------|-------|-------|-------|-------|-------|-------|
|                        |                        | 10 °C                                  | 12 °C | 15 °C | 18 °C | 20 °C | 22 °C | 24 °C |
| 95                     | 80                     | 0,57                                   | 0,59  | 0,62  | 0,65  | 0,68  | 0,70  | 0,73  |
|                        | 70                     | 0,62                                   | 0,65  | 0,68  | 0,73  | 0,76  | 0,79  | 0,83  |
|                        | 60                     | 0,69                                   | 0,72  | 0,77  | 0,83  | 0,87  | 0,91  | 0,96  |
|                        | 50                     | 0,79                                   | 0,83  | 0,89  | 0,96  | 1,02  | 1,08  | 1,15  |
| 90                     | 80                     | 0,59                                   | 0,61  | 0,64  | 0,68  | 0,71  | 0,74  | 0,77  |
|                        | 75                     | 0,62                                   | 0,64  | 0,68  | 0,72  | 0,75  | 0,78  | 0,82  |
|                        | 70                     | 0,65                                   | 0,67  | 0,72  | 0,76  | 0,80  | 0,83  | 0,87  |
|                        | 65                     | 0,68                                   | 0,71  | 0,76  | 0,81  | 0,85  | 0,89  | 0,93  |
|                        | 60                     | 0,72                                   | 0,76  | 0,81  | 0,87  | 0,91  | 0,96  | 1,01  |
|                        | 55                     | 0,77                                   | 0,81  | 0,87  | 0,93  | 0,98  | 1,04  | 1,10  |
| 85                     | 50                     | 0,83                                   | 0,87  | 0,93  | 1,01  | 1,07  | 1,14  | 1,21  |
|                        | 75                     | 0,64                                   | 0,67  | 0,71  | 0,75  | 0,79  | 0,82  | 0,86  |
|                        | 70                     | 0,68                                   | 0,70  | 0,75  | 0,80  | 0,84  | 0,88  | 0,92  |
|                        | 65                     | 0,72                                   | 0,75  | 0,80  | 0,85  | 0,89  | 0,94  | 0,99  |
|                        | 60                     | 0,76                                   | 0,79  | 0,85  | 0,91  | 0,96  | 1,01  | 1,07  |
| 80                     | 55                     | 0,81                                   | 0,85  | 0,91  | 0,98  | 1,04  | 1,10  | 1,16  |
|                        | 70                     | 0,71                                   | 0,74  | 0,79  | 0,84  | 0,88  | 0,93  | 0,97  |
|                        | 65                     | 0,75                                   | 0,78  | 0,84  | 0,90  | 0,94  | 0,99  | 1,05  |
|                        | 60                     | 0,80                                   | 0,83  | 0,89  | 0,96  | 1,01  | 1,07  | 1,13  |
|                        | 55                     | 0,85                                   | 0,89  | 0,96  | 1,04  | 1,10  | 1,16  | 1,24  |
| 75                     | 50                     | 0,91                                   | 0,96  | 1,04  | 1,13  | 1,20  | 1,28  | 1,37  |
|                        | 65                     | 0,79                                   | 0,82  | 0,88  | 0,95  | 1,00  | 1,05  | 1,12  |
|                        | 60                     | 0,84                                   | 0,88  | 0,94  | 1,02  | 1,08  | 1,14  | 1,21  |
|                        | 55                     | 0,89                                   | 0,94  | 1,01  | 1,10  | 1,17  | 1,24  | 1,32  |
| 70                     | 50                     | 0,96                                   | 1,01  | 1,10  | 1,20  | 1,28  | 1,37  | 1,47  |
|                        | 60                     | 0,88                                   | 0,93  | 1,00  | 1,08  | 1,15  | 1,22  | 1,30  |
|                        | 55                     | 0,94                                   | 0,99  | 1,08  | 1,17  | 1,25  | 1,33  | 1,42  |
|                        | 50                     | 1,01                                   | 1,07  | 1,17  | 1,28  | 1,37  | 1,47  | 1,58  |
| 65                     | 45                     | 1,10                                   | 1,16  | 1,28  | 1,42  | 1,52  | 1,64  | 1,79  |
|                        | 55                     | 1,00                                   | 1,05  | 1,15  | 1,26  | 1,34  | 1,43  | 1,54  |
|                        | 50                     | 1,08                                   | 1,14  | 1,25  | 1,37  | 1,47  | 1,59  | 1,71  |
|                        | 45                     | 1,17                                   | 1,24  | 1,37  | 1,52  | 1,64  | 1,78  | 1,94  |
| 60                     | 40                     | 1,28                                   | 1,37  | 1,52  | 1,71  | 1,87  | 2,05  | 2,27  |
|                        | 55                     | 1,07                                   | 1,13  | 1,23  | 1,36  | 1,45  | 1,56  | 1,68  |
|                        | 50                     | 1,15                                   | 1,22  | 1,34  | 1,48  | 1,60  | 1,73  | 1,87  |
|                        | 45                     | 1,25                                   | 1,33  | 1,47  | 1,65  | 1,78  | 1,94  | 2,13  |
| 55                     | 40                     | 1,37                                   | 1,47  | 1,64  | 1,86  | 2,03  | 2,24  | 2,50  |
|                        | 50                     | 1,23                                   | 1,31  | 1,45  | 1,62  | 1,75  | 1,90  | 2,07  |
|                        | 45                     | 1,34                                   | 1,43  | 1,60  | 1,80  | 1,96  | 2,15  | 2,37  |
|                        | 40                     | 1,47                                   | 1,59  | 1,78  | 2,03  | 2,24  | 2,48  | 2,78  |
| 50                     | 35                     | 1,64                                   | 1,78  | 2,03  | 2,36  | 2,64  | 2,99  | 3,43  |
|                        | 45                     | 1,45                                   | 1,56  | 1,75  | 1,98  | 2,17  | 2,40  | 2,67  |
|                        | 40                     | 1,60                                   | 1,73  | 1,96  | 2,25  | 2,50  | 2,79  | 3,15  |
|                        | 35                     | 1,78                                   | 1,94  | 2,24  | 2,63  | 2,96  | 3,38  | 3,92  |
| 45                     | 30                     | 2,03                                   | 2,24  | 2,64  | 3,20  | 3,70  | 4,39  | 5,39  |
|                        | 40                     | 1,75                                   | 1,90  | 2,17  | 2,53  | 2,83  | 3,19  | 3,66  |
|                        | 35                     | 1,96                                   | 2,15  | 2,50  | 2,96  | 3,37  | 3,89  | 4,58  |
|                        | 30                     | 2,24                                   | 2,48  | 2,96  | 3,63  | 4,25  | 5,11  | 6,38  |
| 40                     | 35                     | 2,17                                   | 2,40  | 2,83  | 3,41  | 3,93  | 4,62  | 5,54  |
|                        | 30                     | 2,50                                   | 2,79  | 3,37  | 4,21  | 5,01  | 6,14  | 7,87  |

## Example of calculation

Heat output of individual types of RADIK radiators have been measured in nominal operating (temperature) conditions of 75/65/20 °C (t<sub>1</sub> / t<sub>2</sub> / t<sub>i</sub>) via EN-442:

- temperature of incoming water t<sub>1</sub> = 75 °C
- temperature of return water t<sub>2</sub> = 65 °C
- relative temperature of air t<sub>i</sub> = 20 °C

Corresponding heat outputs for other operating conditions, as listed in this catalogue, were calculated from the established measurements (for the temperature ranges 90/70 °C, 70/55 °C, and 55/45 °C and for room air temperatures of 15, 20 and 22 °C).

If a radiator is intended for use in a heating system with other temperature conditions, it is necessary to make a conversion as follows:

$$Q = Q_c \cdot f$$

When: Q – calculated need for heat output of the radiator at 75/65/20 °C

Q<sub>c</sub> – heat loss of the room

f – conversion coefficient from the table (applies to the heat Temperature exponent n = 1,3)

In the table of heat outputs for heating conditions of 75/65/20 °C we find for the calculated value Q the suitable radiator with the appropriate output.

### EXAMPLE:

#### Problem:

For a room with a required air temperature of 22 °C and heat loss of 810 W, we want to use a RADIK KLASIK radiator. The heating system will be operated with a temperature range of 60/50 °C.

#### Given:

- temperature conditions:
  - temperature of incoming water
  - temperature of return water
  - relative temperature of air

$$t_1 = 60 \text{ °C}$$

$$t_2 = 50 \text{ °C}$$

$$t_i = 22 \text{ °C}$$

- heat loss of the room

$$Q_c = 810 \text{ W}$$

#### Solution:

For working conditions of 60/50/22°C we find in the table the coefficient value:

$$f = 1,73$$

$$Q = 810 \cdot 1,73 = 1401 \text{ W}$$

For the calculation of value Q we find in the table of heat outputs for 75/65/20 °C (pages 48, 49) the right radiator. From the broad range of types and sizes of RADIK KLASIK one could, for example, choose one of the following radiators:

|                            |        |
|----------------------------|--------|
| Type 11 - 600 x 1400 ..... | 1403 W |
| Type 21 - 600 x 1100.....  | 1417 W |
| Type 22 - 500 x 1000.....  | 1452 W |



# RADIK® KLASIK, KLASIK - Z, VK, VK - Z ,VKU, VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 10<br>Type 10 VK<br>Type 10 VKL |      |      |      |      | Type 11<br>Type 11 VK<br>Type 11 VKL |      |      |      |      | Type 20<br>Type 20 VK<br>Type 20 VKL<br>Type 20 VKU |      |      |      |      |
|------------------|----------------------------------------|--------------------------------------|------|------|------|------|--------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                        |      |      |      |      |                                      |      |      |      |      |                                                     |      |      |      |      |
|                  |                                        | 300                                  | 400  | 500  | 600  | 900  | 300                                  | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 187                                  | 239  | 290  | 339  | 493  | 310                                  | 400  | 484  | 565  | 788  | 312                                                 | 393  | 472  | 550  | 798  |
|                  | 75/65                                  | 150                                  | 192  | 233  | 273  | 396  | 249                                  | 321  | 389  | 454  | 632  | 251                                                 | 316  | 379  | 443  | 636  |
|                  | 70/55                                  | 123                                  | 158  | 192  | 226  | 327  | 205                                  | 265  | 321  | 375  | 521  | 207                                                 | 261  | 314  | 366  | 522  |
| 500              | 55/45                                  | 82                                   | 106  | 129  | 152  | 219  | 137                                  | 177  | 215  | 251  | 348  | 139                                                 | 176  | 211  | 246  | 345  |
|                  | 90/70                                  | 234                                  | 299  | 362  | 424  | 617  | 388                                  | 500  | 605  | 707  | 986  | 389                                                 | 491  | 589  | 688  | 997  |
|                  | 75/65                                  | 187                                  | 240  | 291  | 342  | 496  | 311                                  | 401  | 486  | 568  | 790  | 313                                                 | 395  | 474  | 554  | 795  |
| 600              | 70/55                                  | 154                                  | 198  | 240  | 283  | 409  | 257                                  | 331  | 401  | 468  | 651  | 259                                                 | 326  | 392  | 457  | 652  |
|                  | 55/45                                  | 103                                  | 132  | 161  | 190  | 274  | 172                                  | 222  | 269  | 314  | 435  | 174                                                 | 220  | 263  | 307  | 431  |
|                  | 90/70                                  | 281                                  | 359  | 435  | 509  | 740  | 465                                  | 600  | 726  | 848  | 1183 | 467                                                 | 589  | 707  | 826  | 1197 |
| 700              | 75/65                                  | 225                                  | 288  | 349  | 410  | 595  | 373                                  | 481  | 583  | 681  | 949  | 376                                                 | 474  | 569  | 664  | 954  |
|                  | 70/55                                  | 185                                  | 237  | 288  | 339  | 491  | 308                                  | 397  | 481  | 562  | 782  | 311                                                 | 392  | 470  | 549  | 782  |
|                  | 55/45                                  | 123                                  | 159  | 194  | 228  | 329  | 206                                  | 266  | 322  | 377  | 522  | 209                                                 | 263  | 316  | 369  | 517  |
| 800              | 90/70                                  | 328                                  | 419  | 507  | 594  | 863  | 543                                  | 700  | 847  | 989  | 1380 | 545                                                 | 687  | 825  | 963  | 1396 |
|                  | 75/65                                  | 262                                  | 336  | 408  | 478  | 694  | 436                                  | 562  | 681  | 795  | 1107 | 439                                                 | 553  | 664  | 775  | 1113 |
|                  | 70/55                                  | 216                                  | 277  | 336  | 396  | 573  | 359                                  | 463  | 562  | 656  | 912  | 363                                                 | 457  | 549  | 640  | 913  |
| 900              | 55/45                                  | 144                                  | 185  | 226  | 266  | 384  | 240                                  | 310  | 376  | 439  | 609  | 244                                                 | 307  | 369  | 430  | 604  |
|                  | 90/70                                  | 374                                  | 478  | 579  | 679  | 987  | 620                                  | 800  | 969  | 1131 | 1577 | 623                                                 | 785  | 943  | 1101 | 1596 |
|                  | 75/65                                  | 300                                  | 384  | 466  | 547  | 793  | 498                                  | 642  | 778  | 908  | 1265 | 502                                                 | 632  | 759  | 886  | 1273 |
| 1000             | 70/55                                  | 247                                  | 316  | 385  | 452  | 655  | 411                                  | 529  | 642  | 749  | 1042 | 415                                                 | 522  | 627  | 732  | 1043 |
|                  | 55/45                                  | 164                                  | 211  | 258  | 305  | 439  | 275                                  | 354  | 430  | 502  | 696  | 279                                                 | 351  | 422  | 492  | 690  |
|                  | 90/70                                  | 421                                  | 538  | 652  | 763  | 1110 | 698                                  | 899  | 1090 | 1272 | 1774 | 701                                                 | 883  | 1061 | 1238 | 1795 |
| 1100             | 75/65                                  | 337                                  | 432  | 524  | 615  | 892  | 560                                  | 722  | 875  | 1022 | 1423 | 564                                                 | 711  | 854  | 996  | 1432 |
|                  | 70/55                                  | 277                                  | 356  | 433  | 509  | 736  | 462                                  | 596  | 722  | 843  | 1172 | 466                                                 | 588  | 706  | 823  | 1174 |
|                  | 55/45                                  | 185                                  | 238  | 290  | 343  | 494  | 309                                  | 399  | 484  | 565  | 783  | 314                                                 | 395  | 474  | 553  | 776  |
| 1200             | 90/70                                  | 468                                  | 598  | 724  | 848  | 1233 | 775                                  | 999  | 1211 | 1413 | 1971 | 779                                                 | 982  | 1179 | 1376 | 1995 |
|                  | 75/65                                  | 375                                  | 480  | 582  | 683  | 991  | 622                                  | 802  | 972  | 1135 | 1581 | 627                                                 | 790  | 949  | 1107 | 1591 |
|                  | 70/55                                  | 308                                  | 395  | 481  | 565  | 818  | 513                                  | 662  | 802  | 937  | 1303 | 518                                                 | 653  | 784  | 915  | 1304 |
| 1300             | 55/45                                  | 205                                  | 264  | 323  | 381  | 549  | 343                                  | 443  | 537  | 628  | 870  | 349                                                 | 439  | 527  | 615  | 862  |
|                  | 90/70                                  | 515                                  | 658  | 797  | 933  | 1357 | 853                                  | 1099 | 1332 | 1555 | 2168 | 857                                                 | 1080 | 1297 | 1514 | 2194 |
|                  | 75/65                                  | 412                                  | 528  | 640  | 752  | 1090 | 685                                  | 883  | 1070 | 1249 | 1739 | 690                                                 | 869  | 1043 | 1218 | 1750 |
| 1400             | 70/55                                  | 339                                  | 435  | 529  | 622  | 900  | 564                                  | 728  | 882  | 1031 | 1433 | 570                                                 | 718  | 862  | 1006 | 1435 |
|                  | 55/45                                  | 226                                  | 291  | 355  | 419  | 604  | 378                                  | 487  | 591  | 691  | 957  | 383                                                 | 483  | 580  | 676  | 949  |
|                  | 90/70                                  | 562                                  | 718  | 869  | 1018 | 1480 | 930                                  | 1199 | 1453 | 1696 | 2365 | 935                                                 | 1178 | 1415 | 1651 | 2394 |
| 1500             | 75/65                                  | 450                                  | 576  | 699  | 820  | 1189 | 747                                  | 963  | 1167 | 1362 | 1897 | 752                                                 | 948  | 1138 | 1329 | 1909 |
|                  | 70/55                                  | 370                                  | 474  | 577  | 678  | 982  | 616                                  | 794  | 963  | 1124 | 1563 | 622                                                 | 784  | 941  | 1098 | 1565 |
|                  | 55/45                                  | 246                                  | 317  | 387  | 457  | 658  | 412                                  | 532  | 645  | 753  | 1044 | 418                                                 | 527  | 632  | 738  | 1035 |
| 1600             | 90/70                                  | 655                                  | 837  | 1014 | 1187 | 1727 | 1085                                 | 1399 | 1695 | 1979 | 2760 | 1090                                                | 1374 | 1650 | 1926 | 2793 |
|                  | 75/65                                  | 525                                  | 672  | 815  | 957  | 1388 | 871                                  | 1123 | 1361 | 1589 | 2213 | 878                                                 | 1106 | 1328 | 1550 | 2227 |
|                  | 70/55                                  | 431                                  | 553  | 673  | 791  | 1145 | 718                                  | 927  | 1123 | 1312 | 1824 | 726                                                 | 914  | 1097 | 1281 | 1826 |
| 1700             | 55/45                                  | 287                                  | 370  | 452  | 533  | 768  | 481                                  | 620  | 752  | 879  | 1219 | 488                                                 | 615  | 738  | 861  | 1207 |
|                  | 90/70                                  | 749                                  | 957  | 1159 | 1357 | 1973 | 1240                                 | 1599 | 1937 | 2261 | 3154 | 1246                                                | 1571 | 1886 | 2202 | 3192 |
|                  | 75/65                                  | 599                                  | 767  | 931  | 1093 | 1586 | 996                                  | 1284 | 1556 | 1817 | 2530 | 1003                                                | 1264 | 1518 | 1771 | 2545 |
| 1800             | 70/55                                  | 493                                  | 633  | 769  | 904  | 1309 | 821                                  | 1059 | 1283 | 1499 | 2084 | 829                                                 | 1045 | 1254 | 1464 | 2087 |
|                  | 55/45                                  | 328                                  | 423  | 516  | 609  | 878  | 549                                  | 709  | 860  | 1005 | 1393 | 558                                                 | 703  | 843  | 984  | 1380 |
|                  | 90/70                                  | 842                                  | 1076 | 1304 | 1527 | 2220 | 1396                                 | 1799 | 2179 | 2544 | 3548 | 1402                                                | 1767 | 2122 | 2477 | 3590 |
| 1900             | 75/65                                  | 674                                  | 863  | 1048 | 1230 | 1784 | 1120                                 | 1444 | 1750 | 2044 | 2846 | 1129                                                | 1422 | 1707 | 1993 | 2863 |
|                  | 70/55                                  | 555                                  | 712  | 865  | 1017 | 1473 | 924                                  | 1191 | 1444 | 1686 | 2345 | 933                                                 | 1175 | 1411 | 1647 | 2347 |
|                  | 55/45                                  | 369                                  | 476  | 581  | 685  | 988  | 618                                  | 798  | 967  | 1130 | 1567 | 628                                                 | 790  | 949  | 1107 | 1552 |
| 2000             | 90/70                                  | 936                                  | 1196 | 1448 | 1696 | 2467 | 1551                                 | 1999 | 2421 | 2826 | 3942 | 1558                                                | 1963 | 2358 | 2752 | 3989 |
|                  | 75/65                                  | 749                                  | 959  | 1164 | 1367 | 1982 | 1245                                 | 1605 | 1945 | 2271 | 3162 | 1254                                                | 1580 | 1897 | 2214 | 3181 |
|                  | 70/55                                  | 616                                  | 791  | 961  | 1130 | 1636 | 1026                                 | 1324 | 1604 | 1874 | 2605 | 1037                                                | 1306 | 1568 | 1830 | 2608 |
| 2100             | 55/45                                  | 410                                  | 528  | 645  | 761  | 1097 | 687                                  | 886  | 1075 | 1256 | 1741 | 697                                                 | 878  | 1054 | 1230 | 1725 |
|                  | 90/70                                  | 1076                                 | 1375 | 1666 | 1951 | 2837 | 1783                                 | 2299 | 2784 | 3250 | 4534 | 1791                                                | 2258 | 2711 | 3165 | 4588 |
|                  | 75/65                                  | 862                                  | 1103 | 1339 | 1572 | 2280 | 1431                                 | 1846 | 2236 | 2611 | 3636 | 1442                                                | 1817 | 2182 | 2546 | 3659 |
| 2200             | 70/55                                  | 709                                  | 909  | 1106 | 1300 | 1882 | 1180                                 | 1522 | 1845 | 2155 | 2996 | 1192                                                | 1502 | 1803 | 2104 | 3000 |
|                  | 55/45                                  | 472                                  | 608  | 742  | 876  | 1262 | 790                                  | 1019 | 1236 | 1444 | 2002 | 802                                                 | 1010 | 1212 | 1414 | 1983 |
|                  | 90/70                                  | 1217                                 | 1555 | 1883 | 2205 | 3207 | 2016                                 | 2599 | 3148 | 3674 | 5125 | 2025                                                | 2552 | 3065 | 3578 | 5186 |
| 2300             | 75/65                                  | 974                                  | 1247 | 1514 | 1777 | 2577 | 1618                                 | 2086 | 2528 | 2952 | 4111 | 1630                                                | 2054 | 2466 | 2879 | 4136 |
|                  | 70/55                                  | 801                                  | 1028 | 1250 | 1470 | 2127 | 1334                                 | 1721 | 2086 | 2436 | 3387 | 1348                                                | 1698 | 2038 | 2379 | 3391 |
|                  | 55/45                                  | 534                                  | 687  | 839  | 990  | 1427 | 893                                  | 1152 | 1397 | 1632 | 2263 | 906                                                 | 1142 | 1370 | 1599 | 2242 |
| 2400             | 90/70                                  | 1404                                 | 1794 | 2173 | 2545 | 3700 | 2326                                 | 2998 | 3632 | 4240 | 5914 | 2337                                                | 2945 | 3536 | 4128 | 5984 |
|                  | 75/65                                  | 1124                                 | 1439 | 1747 | 2050 | 2974 | 1867                                 | 2407 | 2917 | 3406 | 4743 | 1881                                                | 2370 | 2846 | 3321 | 4772 |
|                  | 70/55                                  | 925                                  | 1186 | 1442 | 1696 | 2455 | 1540                                 | 1986 | 2406 | 2811 | 3908 | 1555                                                | 1959 | 2352 | 2745 | 3912 |
| 2500             | 55/45                                  | 616                                  | 793  | 968  | 1142 | 1646 | 1030                                 | 1329 | 1612 | 1883 | 2611 | 1046                                                | 1317 | 1581 | 1844 | 2587 |



# RADIK® KLASIK, KLASIK - Z, VK, VK - Z ,VKU, VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 21<br>Type 21 VK<br>Type 21 VKL<br>Type 21 VKU |      |      |      |      | Type 22<br>Type 22 VK<br>Type 22 VKL<br>Type 22 VKU |      |      |      |      | Type 33<br>Type 33 VK<br>Type 33 VKL<br>Type 33 VKU |      |      |       |       |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|-------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |       |       |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600   | 900   |
| 400              | 90/70                                  | 421                                                 | 530  | 633  | 731  | 1002 | 548                                                 | 690  | 824  | 953  | 1321 | 775                                                 | 981  | 1178 | 1369  | 1903  |
|                  | 75/65                                  | 338                                                 | 425  | 507  | 585  | 799  | 439                                                 | 552  | 660  | 763  | 1053 | 624                                                 | 788  | 944  | 1094  | 1516  |
|                  | 70/55                                  | 278                                                 | 350  | 417  | 481  | 654  | 361                                                 | 454  | 542  | 627  | 863  | 516                                                 | 650  | 777  | 898   | 1241  |
|                  | 55/45                                  | 186                                                 | 234  | 278  | 320  | 432  | 240                                                 | 303  | 361  | 417  | 570  | 347                                                 | 435  | 518  | 596   | 819   |
| 500              | 90/70                                  | 527                                                 | 663  | 791  | 913  | 1252 | 685                                                 | 862  | 1030 | 1192 | 1651 | 969                                                 | 1226 | 1473 | 1711  | 2379  |
|                  | 75/65                                  | 422                                                 | 532  | 634  | 731  | 998  | 548                                                 | 690  | 824  | 953  | 1316 | 780                                                 | 985  | 1180 | 1367  | 1895  |
|                  | 70/55                                  | 348                                                 | 438  | 522  | 601  | 818  | 451                                                 | 568  | 678  | 784  | 1079 | 645                                                 | 812  | 971  | 1123  | 1552  |
|                  | 55/45                                  | 233                                                 | 292  | 348  | 400  | 540  | 301                                                 | 378  | 451  | 521  | 713  | 434                                                 | 544  | 647  | 745   | 1023  |
| 600              | 90/70                                  | 632                                                 | 796  | 950  | 1096 | 1503 | 822                                                 | 1035 | 1236 | 1430 | 1981 | 1163                                                | 1472 | 1767 | 2054  | 2855  |
|                  | 75/65                                  | 507                                                 | 638  | 761  | 877  | 1198 | 658                                                 | 828  | 989  | 1144 | 1579 | 936                                                 | 1182 | 1416 | 1641  | 2274  |
|                  | 70/55                                  | 418                                                 | 525  | 626  | 722  | 982  | 541                                                 | 681  | 814  | 941  | 1294 | 774                                                 | 975  | 1165 | 1347  | 1862  |
|                  | 55/45                                  | 279                                                 | 351  | 417  | 481  | 648  | 361                                                 | 454  | 541  | 626  | 855  | 521                                                 | 653  | 777  | 894   | 1228  |
| 700              | 90/70                                  | 737                                                 | 928  | 1108 | 1279 | 1753 | 958                                                 | 1207 | 1442 | 1668 | 2312 | 1357                                                | 1717 | 2062 | 2396  | 3331  |
|                  | 75/65                                  | 591                                                 | 744  | 887  | 1024 | 1397 | 768                                                 | 966  | 1154 | 1335 | 1843 | 1092                                                | 1379 | 1652 | 1914  | 2653  |
|                  | 70/55                                  | 487                                                 | 613  | 730  | 842  | 1145 | 632                                                 | 795  | 949  | 1097 | 1510 | 903                                                 | 1137 | 1359 | 1572  | 2172  |
|                  | 55/45                                  | 326                                                 | 409  | 487  | 561  | 756  | 421                                                 | 529  | 632  | 730  | 998  | 608                                                 | 762  | 906  | 1043  | 1433  |
| 800              | 90/70                                  | 843                                                 | 1061 | 1266 | 1461 | 2004 | 1095                                                | 1380 | 1648 | 1907 | 2642 | 1551                                                | 1962 | 2357 | 2738  | 3807  |
|                  | 75/65                                  | 676                                                 | 850  | 1014 | 1170 | 1597 | 877                                                 | 1104 | 1319 | 1526 | 2106 | 1248                                                | 1576 | 1888 | 2188  | 3032  |
|                  | 70/55                                  | 557                                                 | 700  | 835  | 962  | 1309 | 722                                                 | 909  | 1085 | 1254 | 1726 | 1032                                                | 1300 | 1554 | 1797  | 2483  |
|                  | 55/45                                  | 372                                                 | 467  | 556  | 641  | 865  | 481                                                 | 605  | 722  | 834  | 1140 | 694                                                 | 871  | 1036 | 1192  | 1638  |
| 900              | 90/70                                  | 948                                                 | 1193 | 1424 | 1644 | 2254 | 1232                                                | 1552 | 1854 | 2145 | 2972 | 1745                                                | 2207 | 2651 | 3080  | 4282  |
|                  | 75/65                                  | 760                                                 | 957  | 1141 | 1316 | 1797 | 987                                                 | 1242 | 1484 | 1716 | 2369 | 1405                                                | 1773 | 2124 | 2461  | 3411  |
|                  | 70/55                                  | 627                                                 | 788  | 939  | 1083 | 1472 | 812                                                 | 1022 | 1220 | 1411 | 1942 | 1161                                                | 1462 | 1748 | 2021  | 2793  |
|                  | 55/45                                  | 419                                                 | 526  | 626  | 721  | 973  | 541                                                 | 681  | 812  | 939  | 1283 | 781                                                 | 979  | 1165 | 1341  | 1842  |
| 1000             | 90/70                                  | 1053                                                | 1326 | 1583 | 1827 | 2505 | 1369                                                | 1724 | 2060 | 2383 | 3302 | 1938                                                | 2453 | 2946 | 3423  | 4758  |
|                  | 75/65                                  | 845                                                 | 1063 | 1268 | 1462 | 1996 | 1097                                                | 1381 | 1649 | 1907 | 2632 | 1561                                                | 1970 | 2360 | 2735  | 3790  |
|                  | 70/55                                  | 696                                                 | 875  | 1043 | 1203 | 1636 | 902                                                 | 1136 | 1356 | 1568 | 2157 | 1290                                                | 1625 | 1942 | 2246  | 3103  |
|                  | 55/45                                  | 465                                                 | 584  | 696  | 801  | 1081 | 601                                                 | 756  | 902  | 1043 | 1425 | 868                                                 | 1088 | 1295 | 1490  | 2047  |
| 1100             | 90/70                                  | 1159                                                | 1459 | 1741 | 2009 | 2755 | 1506                                                | 1897 | 2266 | 2622 | 3633 | 2132                                                | 2698 | 3240 | 3765  | 5234  |
|                  | 75/65                                  | 929                                                 | 1169 | 1394 | 1609 | 2196 | 1206                                                | 1519 | 1814 | 2098 | 2896 | 1717                                                | 2167 | 2596 | 3008  | 4168  |
|                  | 70/55                                  | 766                                                 | 963  | 1148 | 1323 | 1800 | 993                                                 | 1249 | 1492 | 1725 | 2373 | 1419                                                | 1787 | 2136 | 2470  | 3414  |
|                  | 55/45                                  | 512                                                 | 643  | 765  | 881  | 1189 | 661                                                 | 832  | 993  | 1147 | 1568 | 955                                                 | 1197 | 1424 | 1639  | 2252  |
| 1200             | 90/70                                  | 1264                                                | 1591 | 1899 | 2192 | 3006 | 1643                                                | 2069 | 2472 | 2860 | 3963 | 2326                                                | 2943 | 3535 | 4107  | 5710  |
|                  | 75/65                                  | 1014                                                | 1276 | 1521 | 1755 | 2396 | 1316                                                | 1657 | 1979 | 2288 | 3159 | 1873                                                | 2364 | 2831 | 3282  | 4547  |
|                  | 70/55                                  | 835                                                 | 1051 | 1252 | 1444 | 1963 | 1083                                                | 1363 | 1627 | 1881 | 2589 | 1548                                                | 1950 | 2330 | 2695  | 3724  |
|                  | 55/45                                  | 558                                                 | 701  | 835  | 961  | 1297 | 721                                                 | 908  | 1083 | 1251 | 1710 | 1042                                                | 1306 | 1553 | 1788  | 2456  |
| 1400             | 90/70                                  | 1475                                                | 1857 | 2216 | 2557 | 3506 | 1917                                                | 2414 | 2884 | 3337 | 4623 | 2714                                                | 3434 | 4124 | 4792  | 6661  |
|                  | 75/65                                  | 1183                                                | 1488 | 1775 | 2047 | 2795 | 1535                                                | 1933 | 2308 | 2670 | 3685 | 2185                                                | 2758 | 3303 | 3829  | 5305  |
|                  | 70/55                                  | 975                                                 | 1226 | 1461 | 1684 | 2290 | 1263                                                | 1590 | 1898 | 2195 | 3020 | 1806                                                | 2275 | 2719 | 3144  | 4345  |
|                  | 55/45                                  | 651                                                 | 818  | 974  | 1121 | 1513 | 842                                                 | 1059 | 1263 | 1460 | 1995 | 1215                                                | 1523 | 1812 | 2086  | 2866  |
| 1600             | 90/70                                  | 1685                                                | 2122 | 2532 | 2923 | 4007 | 2191                                                | 2759 | 3296 | 3813 | 5284 | 3101                                                | 3924 | 4713 | 5476  | 7613  |
|                  | 75/65                                  | 1352                                                | 1701 | 2028 | 2340 | 3194 | 1754                                                | 2209 | 2638 | 3051 | 4212 | 2497                                                | 3151 | 3775 | 4375  | 6063  |
|                  | 70/55                                  | 1114                                                | 1401 | 1670 | 1925 | 2618 | 1444                                                | 1817 | 2170 | 2509 | 3452 | 2064                                                | 2600 | 3107 | 3593  | 4965  |
|                  | 55/45                                  | 744                                                 | 935  | 1113 | 1282 | 1729 | 962                                                 | 1210 | 1444 | 1669 | 2281 | 1389                                                | 1741 | 2071 | 2384  | 3275  |
| 1800             | 90/70                                  | 1896                                                | 2387 | 2849 | 3288 | 4508 | 2465                                                | 3104 | 3708 | 4290 | 5944 | 3489                                                | 4415 | 5302 | 6161  | 8565  |
|                  | 75/65                                  | 1521                                                | 1913 | 2282 | 2632 | 3593 | 1974                                                | 2485 | 2968 | 3432 | 4738 | 2809                                                | 3545 | 4247 | 4922  | 6821  |
|                  | 70/55                                  | 1253                                                | 1576 | 1878 | 2165 | 2945 | 1624                                                | 2044 | 2441 | 2822 | 3883 | 2322                                                | 2925 | 3496 | 4042  | 5586  |
|                  | 55/45                                  | 838                                                 | 1052 | 1252 | 1442 | 1945 | 1082                                                | 1361 | 1624 | 1877 | 2566 | 1563                                                | 1959 | 2330 | 2682  | 3685  |
| 2000             | 90/70                                  | 2106                                                | 2652 | 3165 | 3653 | 5009 | 2739                                                | 3449 | 4120 | 4767 | 6605 | 3877                                                | 4905 | 5891 | 6845  | 9516  |
|                  | 75/65                                  | 1690                                                | 2126 | 2535 | 2925 | 3993 | 2193                                                | 2761 | 3298 | 3814 | 5265 | 3121                                                | 3939 | 4719 | 5469  | 7579  |
|                  | 70/55                                  | 1392                                                | 1751 | 2087 | 2406 | 3272 | 1805                                                | 2271 | 2712 | 3136 | 4315 | 2580                                                | 3250 | 3884 | 4492  | 6207  |
|                  | 55/45                                  | 931                                                 | 1169 | 1391 | 1602 | 2161 | 1202                                                | 1513 | 1805 | 2086 | 2851 | 1736                                                | 2176 | 2589 | 2980  | 4094  |
| 2300             | 90/70                                  | 2422                                                | 3050 | 3640 | 4202 | 5761 | 3149                                                | 3966 | 4738 | 5482 | 7596 | 4458                                                | 5641 | 6775 | 7872  | 10944 |
|                  | 75/65                                  | 1943                                                | 2445 | 2916 | 3363 | 4592 | 2522                                                | 3175 | 3792 | 4386 | 6055 | 3589                                                | 4530 | 5427 | 6290  | 8716  |
|                  | 70/55                                  | 1601                                                | 2014 | 2400 | 2767 | 3763 | 2075                                                | 2612 | 3119 | 3606 | 4962 | 2967                                                | 3737 | 4467 | 5165  | 7138  |
|                  | 55/45                                  | 1070                                                | 1344 | 1600 | 1842 | 2486 | 1383                                                | 1739 | 2076 | 2398 | 3278 | 1997                                                | 2503 | 2977 | 3427  | 4708  |
| 2600             | 90/70                                  | 2738                                                | 3448 | 4115 | 4750 | 6512 | 3560                                                | 4484 | 5356 | 6197 | 8586 | 5040                                                | 6377 | 7659 | 8899  | 12371 |
|                  | 75/65                                  | 2197                                                | 2764 | 3296 | 3802 | 5190 | 2851                                                | 3589 | 4287 | 4958 | 6844 | 4057                                                | 5121 | 6135 | 7110  | 9853  |
|                  | 70/55                                  | 1810                                                | 2276 | 2713 | 3128 | 4254 | 2346                                                | 2953 | 3526 | 4076 | 5609 | 3355                                                | 4225 | 5049 | 5839  | 8069  |
|                  | 55/45                                  | 1210                                                | 1519 | 1809 | 2082 | 2810 | 1563                                                | 1966 | 2346 | 2711 | 3706 | 2257                                                | 2829 | 3366 | 3874  | 5322  |
| 3000             | 90/70                                  | 3160                                                | 3978 | 4748 | 5480 | 7514 | 4108                                                | 5173 | 6180 | 7150 | 9907 | 5815                                                | 7358 | 8837 | 10268 | 14275 |
|                  | 75/65                                  | 2535                                                | 3189 | 3803 | 4387 | 5989 | 3290                                                | 4142 | 4946 | 5721 | 7897 | 4682                                                | 5909 | 7079 | 8204  | 11369 |
|                  | 70/55                                  | 2089                                                | 2626 | 3130 | 3609 | 4908 | 2707                                                | 3407 | 4068 | 4704 | 6472 | 3871                                                | 4874 | 5826 | 6737  | 9310  |
|                  | 55/45                                  | 1396                                                | 1753 | 2087 | 2403 | 3242 | 1804                                                | 2269 | 2707 | 3128 | 4276 | 2604                                                | 3264 | 3884 | 4470  | 6141  |



# RADIK® KLASIK, KLASIK - Z, VK, VK - Z ,VKU, VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 10<br>Type 10 VK<br>Type 10 VKL |      |      |      |      | Type 11<br>Type 11 VK<br>Type 11 VKL |      |      |      |      | Type 20<br>Type 20 VK<br>Type 20 VKL<br>Type 20 VKU |      |      |      |      |
|------------------|----------------------------------------|--------------------------------------|------|------|------|------|--------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                        |      |      |      |      |                                      |      |      |      |      |                                                     |      |      |      |      |
|                  |                                        | 300                                  | 400  | 500  | 600  | 900  | 300                                  | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 168                                  | 215  | 261  | 306  | 444  | 279                                  | 360  | 436  | 509  | 709  | 281                                                 | 354  | 425  | 496  | 716  |
|                  | 75/65                                  | 132                                  | 169  | 206  | 242  | 350  | 220                                  | 283  | 343  | 401  | 558  | 222                                                 | 279  | 335  | 391  | 559  |
|                  | 70/55                                  | 106                                  | 137  | 166  | 196  | 283  | 177                                  | 229  | 277  | 324  | 450  | 179                                                 | 226  | 271  | 317  | 449  |
| 500              | 55/45                                  | 67                                   | 86   | 105  | 125  | 179  | 112                                  | 145  | 176  | 205  | 284  | 114                                                 | 144  | 173  | 201  | 280  |
|                  | 90/70                                  | 210                                  | 269  | 326  | 382  | 555  | 349                                  | 450  | 545  | 636  | 887  | 351                                                 | 442  | 531  | 620  | 895  |
|                  | 75/65                                  | 165                                  | 212  | 257  | 302  | 438  | 275                                  | 354  | 429  | 501  | 697  | 277                                                 | 349  | 419  | 489  | 699  |
| 600              | 70/55                                  | 133                                  | 171  | 208  | 245  | 354  | 222                                  | 286  | 347  | 405  | 562  | 224                                                 | 283  | 339  | 396  | 561  |
|                  | 55/45                                  | 84                                   | 108  | 132  | 156  | 224  | 140                                  | 181  | 219  | 256  | 355  | 143                                                 | 180  | 216  | 252  | 350  |
|                  | 90/70                                  | 252                                  | 323  | 391  | 459  | 666  | 419                                  | 540  | 654  | 763  | 1064 | 421                                                 | 531  | 637  | 744  | 1074 |
| 700              | 75/65                                  | 198                                  | 254  | 308  | 362  | 525  | 329                                  | 425  | 515  | 601  | 836  | 332                                                 | 419  | 503  | 587  | 839  |
|                  | 70/55                                  | 159                                  | 205  | 249  | 294  | 424  | 266                                  | 343  | 416  | 486  | 675  | 269                                                 | 339  | 407  | 475  | 673  |
|                  | 55/45                                  | 100                                  | 129  | 158  | 187  | 269  | 168                                  | 217  | 263  | 308  | 426  | 171                                                 | 216  | 259  | 302  | 420  |
| 800              | 90/70                                  | 294                                  | 377  | 457  | 535  | 777  | 488                                  | 630  | 763  | 891  | 1241 | 491                                                 | 619  | 744  | 868  | 1253 |
|                  | 75/65                                  | 231                                  | 296  | 360  | 423  | 613  | 384                                  | 496  | 601  | 701  | 976  | 388                                                 | 489  | 587  | 685  | 979  |
|                  | 70/55                                  | 186                                  | 239  | 291  | 343  | 495  | 310                                  | 400  | 485  | 567  | 787  | 314                                                 | 396  | 475  | 554  | 785  |
| 900              | 55/45                                  | 117                                  | 151  | 185  | 218  | 314  | 196                                  | 253  | 307  | 359  | 497  | 200                                                 | 252  | 302  | 352  | 490  |
|                  | 90/70                                  | 337                                  | 430  | 522  | 612  | 889  | 558                                  | 720  | 872  | 1018 | 1419 | 562                                                 | 708  | 850  | 992  | 1432 |
|                  | 75/65                                  | 264                                  | 338  | 411  | 483  | 700  | 439                                  | 566  | 686  | 802  | 1115 | 443                                                 | 558  | 670  | 782  | 1118 |
| 1000             | 70/55                                  | 213                                  | 273  | 333  | 392  | 566  | 355                                  | 457  | 555  | 648  | 900  | 359                                                 | 452  | 543  | 633  | 897  |
|                  | 55/45                                  | 134                                  | 172  | 211  | 249  | 359  | 224                                  | 289  | 351  | 410  | 568  | 228                                                 | 288  | 345  | 402  | 560  |
|                  | 90/70                                  | 379                                  | 484  | 587  | 688  | 1000 | 628                                  | 810  | 981  | 1145 | 1596 | 632                                                 | 796  | 956  | 1116 | 1611 |
| 1100             | 75/65                                  | 297                                  | 381  | 463  | 544  | 788  | 494                                  | 637  | 772  | 902  | 1255 | 499                                                 | 628  | 754  | 880  | 1258 |
|                  | 70/55                                  | 239                                  | 307  | 374  | 440  | 637  | 399                                  | 515  | 624  | 729  | 1012 | 404                                                 | 509  | 611  | 712  | 1010 |
|                  | 55/45                                  | 150                                  | 194  | 237  | 281  | 404  | 252                                  | 326  | 395  | 462  | 639  | 257                                                 | 323  | 388  | 453  | 630  |
| 1200             | 90/70                                  | 421                                  | 538  | 652  | 765  | 1111 | 698                                  | 900  | 1090 | 1272 | 1773 | 702                                                 | 885  | 1062 | 1240 | 1790 |
|                  | 75/65                                  | 330                                  | 423  | 514  | 604  | 875  | 549                                  | 708  | 858  | 1002 | 1394 | 554                                                 | 698  | 838  | 978  | 1398 |
|                  | 70/55                                  | 266                                  | 341  | 416  | 489  | 707  | 443                                  | 572  | 693  | 810  | 1125 | 449                                                 | 565  | 678  | 792  | 1122 |
| 1300             | 55/45                                  | 167                                  | 216  | 264  | 312  | 449  | 280                                  | 362  | 439  | 513  | 710  | 285                                                 | 359  | 431  | 503  | 700  |
|                  | 90/70                                  | 463                                  | 592  | 718  | 841  | 1222 | 768                                  | 990  | 1199 | 1400 | 1951 | 772                                                 | 973  | 1168 | 1364 | 1969 |
|                  | 75/65                                  | 363                                  | 465  | 565  | 664  | 963  | 604                                  | 779  | 944  | 1102 | 1533 | 609                                                 | 768  | 922  | 1076 | 1538 |
| 1400             | 70/55                                  | 292                                  | 376  | 457  | 538  | 778  | 488                                  | 629  | 763  | 891  | 1237 | 493                                                 | 622  | 746  | 871  | 1234 |
|                  | 55/45                                  | 184                                  | 237  | 290  | 343  | 493  | 308                                  | 398  | 483  | 564  | 781  | 314                                                 | 395  | 474  | 553  | 770  |
|                  | 90/70                                  | 505                                  | 646  | 783  | 918  | 1333 | 837                                  | 1080 | 1308 | 1527 | 2128 | 842                                                 | 1062 | 1275 | 1488 | 2148 |
| 1500             | 75/65                                  | 396                                  | 508  | 617  | 725  | 1050 | 659                                  | 850  | 1030 | 1202 | 1673 | 665                                                 | 838  | 1006 | 1174 | 1678 |
|                  | 70/55                                  | 319                                  | 410  | 499  | 587  | 849  | 532                                  | 686  | 832  | 972  | 1350 | 538                                                 | 678  | 814  | 950  | 1346 |
|                  | 55/45                                  | 201                                  | 259  | 316  | 374  | 538  | 336                                  | 434  | 527  | 616  | 852  | 342                                                 | 431  | 518  | 604  | 840  |
| 1600             | 90/70                                  | 589                                  | 753  | 913  | 1071 | 1555 | 977                                  | 1260 | 1526 | 1781 | 2483 | 983                                                 | 1238 | 1487 | 1736 | 2506 |
|                  | 75/65                                  | 462                                  | 592  | 720  | 846  | 1225 | 769                                  | 991  | 1201 | 1403 | 1952 | 776                                                 | 977  | 1173 | 1369 | 1957 |
|                  | 70/55                                  | 372                                  | 478  | 582  | 685  | 990  | 621                                  | 801  | 970  | 1134 | 1575 | 628                                                 | 791  | 950  | 1108 | 1570 |
| 1700             | 55/45                                  | 234                                  | 302  | 369  | 437  | 628  | 392                                  | 507  | 614  | 718  | 994  | 400                                                 | 503  | 604  | 704  | 980  |
|                  | 90/70                                  | 673                                  | 861  | 1044 | 1224 | 1777 | 1117                                 | 1439 | 1744 | 2036 | 2838 | 1123                                                | 1415 | 1700 | 1984 | 2864 |
|                  | 75/65                                  | 528                                  | 677  | 822  | 966  | 1400 | 878                                  | 1133 | 1373 | 1603 | 2230 | 886                                                 | 1117 | 1341 | 1565 | 2237 |
| 1800             | 70/55                                  | 425                                  | 546  | 665  | 783  | 1132 | 709                                  | 915  | 1109 | 1296 | 1800 | 718                                                 | 904  | 1085 | 1266 | 1795 |
|                  | 55/45                                  | 267                                  | 345  | 422  | 499  | 718  | 449                                  | 579  | 702  | 821  | 1136 | 457                                                 | 575  | 690  | 805  | 1120 |
|                  | 90/70                                  | 757                                  | 968  | 1174 | 1377 | 1999 | 1256                                 | 1619 | 1962 | 2290 | 3192 | 1264                                                | 1592 | 1912 | 2232 | 3221 |
| 1900             | 75/65                                  | 594                                  | 761  | 925  | 1087 | 1575 | 988                                  | 1274 | 1544 | 1804 | 2509 | 997                                                 | 1256 | 1508 | 1760 | 2516 |
|                  | 70/55                                  | 478                                  | 614  | 748  | 881  | 1273 | 798                                  | 1029 | 1248 | 1458 | 2025 | 807                                                 | 1017 | 1221 | 1425 | 2019 |
|                  | 55/45                                  | 301                                  | 388  | 475  | 561  | 807  | 505                                  | 651  | 790  | 923  | 1278 | 514                                                 | 647  | 776  | 906  | 1260 |
| 2000             | 90/70                                  | 841                                  | 1076 | 1305 | 1529 | 2221 | 1396                                 | 1799 | 2180 | 2545 | 3547 | 1404                                                | 1769 | 2124 | 2480 | 3579 |
|                  | 75/65                                  | 660                                  | 846  | 1028 | 1208 | 1750 | 1098                                 | 1416 | 1716 | 2004 | 2788 | 1108                                                | 1396 | 1676 | 1956 | 2796 |
|                  | 70/55                                  | 532                                  | 683  | 831  | 979  | 1415 | 887                                  | 1144 | 1386 | 1620 | 2249 | 897                                                 | 1130 | 1357 | 1583 | 2243 |
| 2100             | 55/45                                  | 334                                  | 431  | 527  | 624  | 897  | 561                                  | 724  | 878  | 1026 | 1420 | 571                                                 | 719  | 863  | 1006 | 1400 |
|                  | 90/70                                  | 968                                  | 1237 | 1500 | 1759 | 2555 | 1605                                 | 2069 | 2507 | 2927 | 4079 | 1615                                                | 2035 | 2443 | 2852 | 4116 |
|                  | 75/65                                  | 759                                  | 973  | 1182 | 1389 | 2013 | 1263                                 | 1628 | 1973 | 2305 | 3206 | 1274                                                | 1605 | 1927 | 2249 | 3215 |
| 2200             | 70/55                                  | 611                                  | 785  | 956  | 1126 | 1627 | 1020                                 | 1315 | 1594 | 1862 | 2587 | 1032                                                | 1300 | 1560 | 1821 | 2580 |
|                  | 55/45                                  | 384                                  | 496  | 606  | 717  | 1032 | 645                                  | 832  | 1009 | 1180 | 1633 | 656                                                 | 827  | 992  | 1157 | 1609 |
| 2300             | 90/70                                  | 1094                                 | 1399 | 1696 | 1988 | 2888 | 1814                                 | 2339 | 2834 | 3308 | 4611 | 1825                                                | 2300 | 2762 | 3224 | 4653 |
|                  | 75/65                                  | 858                                  | 1100 | 1336 | 1570 | 2275 | 1427                                 | 1841 | 2231 | 2605 | 3624 | 1440                                                | 1815 | 2179 | 2543 | 3635 |
|                  | 70/55                                  | 691                                  | 888  | 1081 | 1273 | 1839 | 1153                                 | 1487 | 1802 | 2105 | 2924 | 1166                                                | 1469 | 1764 | 2058 | 2916 |
| 2400             | 55/45                                  | 435                                  | 561  | 686  | 811  | 1166 | 729                                  | 941  | 1141 | 1334 | 1846 | 742                                                 | 934  | 1121 | 1308 | 1819 |
|                  | 90/70                                  | 1262                                 | 1614 | 1957 | 2294 | 3332 | 2093                                 | 2699 | 3270 | 3817 | 5320 | 2106                                                | 2654 | 3187 | 3720 | 5369 |
|                  | 75/65                                  | 990                                  | 1269 | 1542 | 1812 | 2625 | 1647                                 | 2124 | 2574 | 3006 | 4182 | 1662                                                | 2094 | 2514 | 2934 | 4194 |
| 2500             | 70/55                                  | 797                                  | 1024 | 1247 | 1468 | 2122 | 1330                                 | 1716 | 2080 | 2429 | 3374 | 1346                                                | 1695 | 2035 | 2375 | 3365 |
|                  | 55/45                                  | 501                                  | 647  | 791  | 935  | 1346 | 841                                  | 1086 | 1317 | 1539 | 2130 | 856                                                 | 1078 | 1294 | 1509 | 2099 |



# RADIK® KLASIK, KLASIK - Z, VK, VK - Z ,VKU, VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 21<br>Type 21 VK<br>Type 21 VKL<br>Type 21 VKU |      |      |      |      | Type 22<br>Type 22 VK<br>Type 22 VKL<br>Type 22 VKU |      |      |      |      | Type 33<br>Type 33 VK<br>Type 33 VKL<br>Type 33 VKU |      |      |      |       |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |      |       |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 379                                                 | 477  | 569  | 657  | 899  | 492                                                 | 620  | 741  | 857  | 1185 | 699                                                 | 883  | 1059 | 1229 | 1707  |
|                  | 75/65                                  | 298                                                 | 375  | 447  | 515  | 702  | 386                                                 | 486  | 581  | 672  | 925  | 552                                                 | 695  | 832  | 962  | 1331  |
|                  | 70/55                                  | 240                                                 | 302  | 360  | 415  | 563  | 311                                                 | 392  | 468  | 541  | 742  | 447                                                 | 562  | 670  | 774  | 1067  |
|                  | 55/45                                  | 152                                                 | 191  | 227  | 261  | 351  | 196                                                 | 246  | 294  | 340  | 462  | 284                                                 | 356  | 422  | 485  | 664   |
| 500              | 90/70                                  | 474                                                 | 596  | 711  | 821  | 1123 | 616                                                 | 775  | 926  | 1071 | 1481 | 874                                                 | 1104 | 1324 | 1537 | 2133  |
|                  | 75/65                                  | 373                                                 | 469  | 559  | 644  | 877  | 483                                                 | 608  | 726  | 840  | 1157 | 690                                                 | 869  | 1040 | 1203 | 1664  |
|                  | 70/55                                  | 301                                                 | 378  | 450  | 519  | 703  | 389                                                 | 490  | 585  | 676  | 928  | 558                                                 | 702  | 838  | 967  | 1333  |
|                  | 55/45                                  | 190                                                 | 238  | 283  | 326  | 438  | 245                                                 | 308  | 367  | 424  | 578  | 355                                                 | 444  | 527  | 606  | 830   |
| 600              | 90/70                                  | 569                                                 | 716  | 854  | 985  | 1348 | 739                                                 | 930  | 1111 | 1285 | 1777 | 1048                                                | 1325 | 1589 | 1844 | 2560  |
|                  | 75/65                                  | 447                                                 | 562  | 670  | 773  | 1052 | 580                                                 | 730  | 871  | 1007 | 1388 | 827                                                 | 1043 | 1247 | 1444 | 1997  |
|                  | 70/55                                  | 361                                                 | 453  | 540  | 622  | 844  | 467                                                 | 588  | 701  | 811  | 1113 | 670                                                 | 842  | 1005 | 1160 | 1600  |
|                  | 55/45                                  | 228                                                 | 286  | 340  | 391  | 526  | 294                                                 | 370  | 441  | 509  | 694  | 426                                                 | 533  | 633  | 727  | 996   |
| 700              | 90/70                                  | 663                                                 | 835  | 996  | 1149 | 1573 | 862                                                 | 1085 | 1296 | 1499 | 2074 | 1223                                                | 1546 | 1854 | 2152 | 2987  |
|                  | 75/65                                  | 522                                                 | 656  | 782  | 902  | 1228 | 676                                                 | 851  | 1016 | 1175 | 1619 | 965                                                 | 1217 | 1455 | 1684 | 2330  |
|                  | 70/55                                  | 421                                                 | 529  | 630  | 726  | 985  | 545                                                 | 686  | 818  | 946  | 1299 | 782                                                 | 983  | 1173 | 1354 | 1867  |
|                  | 55/45                                  | 266                                                 | 334  | 397  | 457  | 614  | 343                                                 | 431  | 514  | 594  | 809  | 497                                                 | 622  | 738  | 848  | 1161  |
| 800              | 90/70                                  | 758                                                 | 954  | 1138 | 1314 | 1797 | 985                                                 | 1240 | 1481 | 1713 | 2370 | 1398                                                | 1766 | 2119 | 2459 | 3413  |
|                  | 75/65                                  | 596                                                 | 750  | 894  | 1030 | 1403 | 773                                                 | 973  | 1162 | 1343 | 1850 | 1103                                                | 1390 | 1663 | 1925 | 2662  |
|                  | 70/55                                  | 481                                                 | 604  | 720  | 830  | 1125 | 623                                                 | 783  | 935  | 1081 | 1484 | 893                                                 | 1123 | 1340 | 1547 | 2134  |
|                  | 55/45                                  | 304                                                 | 381  | 453  | 522  | 701  | 392                                                 | 493  | 588  | 679  | 925  | 569                                                 | 711  | 844  | 969  | 1327  |
| 900              | 90/70                                  | 853                                                 | 1074 | 1281 | 1478 | 2022 | 1108                                                | 1395 | 1666 | 1928 | 2666 | 1572                                                | 1987 | 2384 | 2766 | 3840  |
|                  | 75/65                                  | 671                                                 | 843  | 1005 | 1159 | 1579 | 869                                                 | 1094 | 1307 | 1511 | 2082 | 1241                                                | 1564 | 1871 | 2165 | 2995  |
|                  | 70/55                                  | 541                                                 | 680  | 810  | 934  | 1266 | 700                                                 | 881  | 1052 | 1216 | 1670 | 1005                                                | 1264 | 1508 | 1741 | 2400  |
|                  | 55/45                                  | 342                                                 | 429  | 510  | 587  | 789  | 441                                                 | 554  | 661  | 764  | 1041 | 640                                                 | 800  | 949  | 1090 | 1493  |
| 1000             | 90/70                                  | 948                                                 | 1193 | 1423 | 1642 | 2247 | 1231                                                | 1550 | 1852 | 2142 | 2962 | 1747                                                | 2208 | 2649 | 3074 | 4267  |
|                  | 75/65                                  | 745                                                 | 937  | 1117 | 1288 | 1754 | 966                                                 | 1216 | 1452 | 1679 | 2313 | 1379                                                | 1738 | 2079 | 2406 | 3328  |
|                  | 70/55                                  | 601                                                 | 756  | 900  | 1037 | 1407 | 778                                                 | 979  | 1169 | 1351 | 1855 | 1117                                                | 1404 | 1675 | 1934 | 2666  |
|                  | 55/45                                  | 380                                                 | 476  | 567  | 652  | 877  | 490                                                 | 616  | 735  | 849  | 1156 | 711                                                 | 889  | 1055 | 1211 | 1659  |
| 1100             | 90/70                                  | 1042                                                | 1312 | 1565 | 1806 | 2471 | 1354                                                | 1705 | 2037 | 2356 | 3259 | 1922                                                | 2429 | 2914 | 3381 | 4693  |
|                  | 75/65                                  | 820                                                 | 1031 | 1229 | 1417 | 1929 | 1063                                                | 1338 | 1597 | 1847 | 2544 | 1517                                                | 1912 | 2287 | 2647 | 3661  |
|                  | 70/55                                  | 661                                                 | 831  | 990  | 1141 | 1547 | 856                                                 | 1077 | 1286 | 1487 | 2041 | 1228                                                | 1544 | 1843 | 2128 | 2934  |
|                  | 55/45                                  | 418                                                 | 524  | 624  | 718  | 964  | 539                                                 | 678  | 808  | 934  | 1272 | 782                                                 | 978  | 1160 | 1332 | 1825  |
| 1200             | 90/70                                  | 1137                                                | 1431 | 1708 | 1970 | 2696 | 1477                                                | 1860 | 2222 | 2570 | 3555 | 2097                                                | 2650 | 3178 | 3688 | 5120  |
|                  | 75/65                                  | 894                                                 | 1124 | 1340 | 1546 | 2105 | 1159                                                | 1459 | 1742 | 2015 | 2776 | 1655                                                | 2086 | 2495 | 2887 | 3994  |
|                  | 70/55                                  | 721                                                 | 907  | 1080 | 1245 | 1688 | 934                                                 | 1175 | 1403 | 1622 | 2226 | 1340                                                | 1685 | 2010 | 2321 | 3200  |
|                  | 55/45                                  | 456                                                 | 572  | 680  | 783  | 1052 | 588                                                 | 739  | 882  | 1019 | 1387 | 853                                                 | 1067 | 1266 | 1454 | 1991  |
| 1400             | 90/70                                  | 1327                                                | 1670 | 1992 | 2299 | 3145 | 1723                                                | 2170 | 2592 | 2999 | 4147 | 2446                                                | 3091 | 3708 | 4303 | 5973  |
|                  | 75/65                                  | 1043                                                | 1312 | 1564 | 1803 | 2456 | 1352                                                | 1702 | 2033 | 2351 | 3238 | 1931                                                | 2433 | 2911 | 3368 | 4659  |
|                  | 70/55                                  | 842                                                 | 1058 | 1260 | 1452 | 1969 | 1090                                                | 1371 | 1637 | 1892 | 2597 | 1564                                                | 1966 | 2346 | 2708 | 3734  |
|                  | 55/45                                  | 532                                                 | 667  | 794  | 913  | 1227 | 686                                                 | 862  | 1029 | 1188 | 1619 | 995                                                 | 1244 | 1477 | 1696 | 2323  |
| 1600             | 90/70                                  | 1516                                                | 1908 | 2277 | 2627 | 3595 | 1970                                                | 2480 | 2963 | 3427 | 4740 | 2795                                                | 3533 | 4238 | 4918 | 6826  |
|                  | 75/65                                  | 1192                                                | 1499 | 1787 | 2061 | 2806 | 1546                                                | 1946 | 2323 | 2686 | 3701 | 2206                                                | 2781 | 3326 | 3850 | 5325  |
|                  | 70/55                                  | 962                                                 | 1209 | 1440 | 1660 | 2251 | 1245                                                | 1567 | 1871 | 2162 | 2968 | 1787                                                | 2246 | 2681 | 3095 | 4267  |
|                  | 55/45                                  | 607                                                 | 762  | 907  | 1044 | 1403 | 784                                                 | 985  | 1176 | 1358 | 1850 | 1137                                                | 1422 | 1688 | 1938 | 2655  |
| 1800             | 90/70                                  | 1706                                                | 2147 | 2561 | 2956 | 4044 | 2216                                                | 2790 | 3333 | 3855 | 5332 | 3145                                                | 3974 | 4768 | 5533 | 7680  |
|                  | 75/65                                  | 1341                                                | 1687 | 2011 | 2318 | 3157 | 1739                                                | 2189 | 2614 | 3022 | 4163 | 2482                                                | 3128 | 3742 | 4331 | 5990  |
|                  | 70/55                                  | 1082                                                | 1360 | 1620 | 1867 | 2532 | 1401                                                | 1763 | 2104 | 2433 | 3339 | 2010                                                | 2527 | 3016 | 3481 | 4800  |
|                  | 55/45                                  | 683                                                 | 858  | 1020 | 1174 | 1578 | 882                                                 | 1109 | 1323 | 1528 | 2081 | 1279                                                | 1600 | 1899 | 2180 | 2987  |
| 2000             | 90/70                                  | 1895                                                | 2386 | 2846 | 3284 | 4493 | 2462                                                | 3100 | 3703 | 4284 | 5925 | 3494                                                | 4416 | 5297 | 6147 | 8533  |
|                  | 75/65                                  | 1490                                                | 1874 | 2234 | 2576 | 3508 | 1932                                                | 2432 | 2904 | 3358 | 4626 | 2758                                                | 3476 | 4158 | 4812 | 6656  |
|                  | 70/55                                  | 1202                                                | 1511 | 1800 | 2075 | 2813 | 1557                                                | 1959 | 2338 | 2703 | 3710 | 2234                                                | 2808 | 3351 | 3868 | 5334  |
|                  | 55/45                                  | 759                                                 | 953  | 1134 | 1305 | 1753 | 980                                                 | 1232 | 1470 | 1698 | 2312 | 1421                                                | 1778 | 2110 | 2423 | 3318  |
| 2300             | 90/70                                  | 2180                                                | 2743 | 3273 | 3777 | 5167 | 2831                                                | 3565 | 4259 | 4926 | 6814 | 4018                                                | 5078 | 6092 | 7070 | 9813  |
|                  | 75/65                                  | 1714                                                | 2155 | 2569 | 2962 | 4034 | 2222                                                | 2797 | 3340 | 3862 | 5320 | 3172                                                | 3997 | 4782 | 5534 | 7654  |
|                  | 70/55                                  | 1383                                                | 1738 | 2070 | 2386 | 3235 | 1790                                                | 2253 | 2689 | 3108 | 4267 | 2569                                                | 3229 | 3853 | 4448 | 6134  |
|                  | 55/45                                  | 873                                                 | 1096 | 1304 | 1500 | 2016 | 1126                                                | 1417 | 1690 | 1952 | 2659 | 1635                                                | 2044 | 2426 | 2786 | 3816  |
| 2600             | 90/70                                  | 2464                                                | 3101 | 3700 | 4269 | 5841 | 3201                                                | 4030 | 4814 | 5569 | 7702 | 4542                                                | 5741 | 6886 | 7992 | 11093 |
|                  | 75/65                                  | 1937                                                | 2436 | 2904 | 3349 | 4560 | 2512                                                | 3162 | 3775 | 4365 | 6014 | 3585                                                | 4519 | 5405 | 6256 | 8653  |
|                  | 70/55                                  | 1563                                                | 1965 | 2341 | 2697 | 3657 | 2023                                                | 2546 | 3040 | 3514 | 4823 | 2904                                                | 3651 | 4356 | 5029 | 6934  |
|                  | 55/45                                  | 987                                                 | 1239 | 1474 | 1696 | 2279 | 1273                                                | 1601 | 1910 | 2207 | 3006 | 1848                                                | 2311 | 2743 | 3149 | 4314  |
| 3000             | 90/70                                  | 2843                                                | 3578 | 4269 | 4926 | 6740 | 3693                                                | 4650 | 5555 | 6425 | 8887 | 5241                                                | 6624 | 7946 | 9221 | 12800 |
|                  | 75/65                                  | 2235                                                | 2811 | 3351 | 3864 | 5262 | 2898                                                | 3648 | 4356 | 5037 | 6939 | 4137                                                | 5214 | 6237 | 7218 | 9984  |
|                  | 70/55                                  | 1804                                                | 2267 | 2701 | 3112 | 4220 | 2335                                                | 2938 | 3507 | 4054 | 5565 | 3350                                                | 4212 | 5026 | 5802 | 8001  |
|                  | 55/45                                  | 1139                                                | 1429 | 1701 | 1957 | 2630 | 1469                                                | 1848 | 2204 | 2546 | 3469 | 2132                                                | 2666 | 3165 | 3634 | 4978  |



# RADIK® KLASIK, KLASIK - Z, VK, VK - Z ,VKU, VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 10<br>Type 10 VK<br>Type 10 VKL |      |      |      |      | Type 11<br>Type 11 VK<br>Type 11 VKL |      |      |      |      | Type 20<br>Type 20 VK<br>Type 20 VKL<br>Type 20 VKU |      |      |      |      |
|------------------|----------------------------------------|--------------------------------------|------|------|------|------|--------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                        |      |      |      |      |                                      |      |      |      |      |                                                     |      |      |      |      |
|                  |                                        | 300                                  | 400  | 500  | 600  | 900  | 300                                  | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 161                                  | 206  | 250  | 293  | 425  | 267                                  | 344  | 417  | 487  | 678  | 269                                                 | 339  | 407  | 475  | 684  |
|                  | 75/65                                  | 125                                  | 160  | 195  | 229  | 332  | 208                                  | 268  | 325  | 380  | 528  | 210                                                 | 265  | 318  | 371  | 529  |
|                  | 70/55                                  | 100                                  | 128  | 156  | 184  | 266  | 166                                  | 215  | 260  | 304  | 422  | 169                                                 | 212  | 255  | 297  | 420  |
| 500              | 55/45                                  | 61                                   | 79   | 96   | 114  | 164  | 102                                  | 132  | 160  | 187  | 259  | 104                                                 | 131  | 158  | 184  | 255  |
|                  | 90/70                                  | 201                                  | 257  | 312  | 366  | 531  | 334                                  | 430  | 521  | 609  | 848  | 336                                                 | 423  | 508  | 593  | 855  |
|                  | 75/65                                  | 156                                  | 200  | 244  | 286  | 415  | 260                                  | 336  | 407  | 475  | 660  | 263                                                 | 331  | 397  | 464  | 661  |
| 600              | 70/55                                  | 125                                  | 160  | 195  | 230  | 332  | 208                                  | 268  | 325  | 380  | 528  | 211                                                 | 265  | 319  | 372  | 525  |
|                  | 55/45                                  | 76                                   | 98   | 120  | 143  | 205  | 128                                  | 165  | 200  | 234  | 324  | 130                                                 | 164  | 197  | 230  | 319  |
|                  | 90/70                                  | 241                                  | 309  | 374  | 439  | 638  | 400                                  | 516  | 625  | 730  | 1018 | 403                                                 | 508  | 610  | 712  | 1026 |
| 700              | 75/65                                  | 188                                  | 240  | 292  | 344  | 498  | 312                                  | 403  | 488  | 570  | 793  | 315                                                 | 397  | 477  | 556  | 794  |
|                  | 70/55                                  | 150                                  | 192  | 234  | 276  | 399  | 250                                  | 322  | 390  | 456  | 633  | 253                                                 | 318  | 382  | 446  | 630  |
|                  | 55/45                                  | 91                                   | 118  | 145  | 171  | 246  | 154                                  | 198  | 241  | 281  | 389  | 157                                                 | 197  | 237  | 276  | 382  |
| 800              | 90/70                                  | 281                                  | 360  | 437  | 512  | 744  | 467                                  | 602  | 730  | 852  | 1187 | 470                                                 | 593  | 711  | 830  | 1197 |
|                  | 75/65                                  | 219                                  | 281  | 341  | 401  | 581  | 364                                  | 470  | 569  | 665  | 925  | 368                                                 | 463  | 556  | 649  | 926  |
|                  | 70/55                                  | 174                                  | 224  | 273  | 322  | 465  | 291                                  | 376  | 456  | 532  | 739  | 295                                                 | 372  | 446  | 520  | 736  |
| 900              | 55/45                                  | 107                                  | 138  | 169  | 200  | 287  | 179                                  | 231  | 281  | 328  | 454  | 183                                                 | 230  | 276  | 322  | 446  |
|                  | 90/70                                  | 322                                  | 412  | 499  | 586  | 850  | 534                                  | 688  | 834  | 974  | 1357 | 537                                                 | 677  | 813  | 949  | 1367 |
|                  | 75/65                                  | 250                                  | 321  | 390  | 458  | 664  | 416                                  | 537  | 651  | 760  | 1057 | 420                                                 | 530  | 636  | 742  | 1058 |
| 1000             | 70/55                                  | 199                                  | 256  | 312  | 368  | 531  | 333                                  | 429  | 521  | 608  | 844  | 337                                                 | 425  | 510  | 595  | 841  |
|                  | 55/45                                  | 122                                  | 157  | 193  | 228  | 328  | 205                                  | 264  | 321  | 375  | 519  | 209                                                 | 263  | 315  | 368  | 510  |
|                  | 90/70                                  | 362                                  | 463  | 562  | 659  | 956  | 601                                  | 774  | 938  | 1095 | 1526 | 605                                                 | 762  | 915  | 1068 | 1538 |
| 1100             | 75/65                                  | 281                                  | 361  | 439  | 516  | 747  | 468                                  | 604  | 732  | 855  | 1189 | 473                                                 | 596  | 715  | 835  | 1191 |
|                  | 70/55                                  | 224                                  | 288  | 351  | 414  | 598  | 374                                  | 483  | 586  | 684  | 950  | 379                                                 | 478  | 573  | 669  | 946  |
|                  | 55/45                                  | 137                                  | 177  | 217  | 257  | 369  | 230                                  | 297  | 361  | 422  | 583  | 235                                                 | 296  | 355  | 414  | 574  |
| 1200             | 90/70                                  | 402                                  | 514  | 624  | 732  | 1063 | 667                                  | 860  | 1042 | 1217 | 1696 | 672                                                 | 846  | 1016 | 1186 | 1709 |
|                  | 75/65                                  | 313                                  | 401  | 487  | 573  | 829  | 520                                  | 671  | 813  | 950  | 1321 | 525                                                 | 662  | 795  | 927  | 1323 |
|                  | 70/55                                  | 249                                  | 320  | 390  | 460  | 664  | 416                                  | 537  | 651  | 760  | 1055 | 421                                                 | 531  | 637  | 743  | 1051 |
| 1300             | 55/45                                  | 152                                  | 197  | 241  | 285  | 410  | 256                                  | 330  | 401  | 469  | 648  | 261                                                 | 329  | 394  | 460  | 637  |
|                  | 90/70                                  | 442                                  | 566  | 686  | 805  | 1169 | 734                                  | 947  | 1147 | 1339 | 1865 | 739                                                 | 931  | 1118 | 1305 | 1880 |
|                  | 75/65                                  | 344                                  | 441  | 536  | 630  | 912  | 572                                  | 738  | 895  | 1045 | 1453 | 578                                                 | 728  | 874  | 1020 | 1455 |
| 1400             | 70/55                                  | 274                                  | 352  | 429  | 506  | 731  | 458                                  | 590  | 716  | 836  | 1161 | 464                                                 | 584  | 701  | 818  | 1156 |
|                  | 55/45                                  | 168                                  | 217  | 265  | 314  | 451  | 282                                  | 364  | 441  | 515  | 713  | 287                                                 | 361  | 434  | 506  | 701  |
|                  | 90/70                                  | 483                                  | 617  | 749  | 878  | 1275 | 801                                  | 1033 | 1251 | 1461 | 2035 | 806                                                 | 1016 | 1220 | 1424 | 2051 |
| 1500             | 75/65                                  | 375                                  | 481  | 585  | 688  | 995  | 624                                  | 805  | 976  | 1140 | 1585 | 630                                                 | 794  | 954  | 1113 | 1587 |
|                  | 70/55                                  | 299                                  | 384  | 468  | 552  | 797  | 499                                  | 644  | 781  | 912  | 1266 | 506                                                 | 637  | 765  | 892  | 1261 |
|                  | 55/45                                  | 183                                  | 236  | 289  | 342  | 492  | 307                                  | 397  | 481  | 562  | 778  | 313                                                 | 394  | 473  | 552  | 765  |
| 1600             | 90/70                                  | 563                                  | 720  | 874  | 1025 | 1488 | 934                                  | 1205 | 1459 | 1704 | 2374 | 940                                                 | 1185 | 1423 | 1661 | 2393 |
|                  | 75/65                                  | 438                                  | 561  | 682  | 802  | 1161 | 728                                  | 939  | 1139 | 1330 | 1849 | 736                                                 | 927  | 1113 | 1298 | 1852 |
|                  | 70/55                                  | 349                                  | 448  | 546  | 644  | 930  | 583                                  | 751  | 911  | 1064 | 1478 | 590                                                 | 743  | 892  | 1041 | 1471 |
| 1700             | 55/45                                  | 213                                  | 276  | 337  | 399  | 574  | 358                                  | 463  | 561  | 656  | 908  | 365                                                 | 460  | 552  | 644  | 892  |
|                  | 90/70                                  | 643                                  | 823  | 998  | 1171 | 1700 | 1068                                 | 1377 | 1668 | 1947 | 2713 | 1075                                                | 1354 | 1626 | 1898 | 2735 |
|                  | 75/65                                  | 500                                  | 641  | 780  | 917  | 1327 | 832                                  | 1074 | 1301 | 1520 | 2113 | 841                                                 | 1059 | 1271 | 1484 | 2116 |
| 1800             | 70/55                                  | 399                                  | 513  | 624  | 736  | 1063 | 666                                  | 859  | 1041 | 1216 | 1689 | 674                                                 | 849  | 1019 | 1189 | 1681 |
|                  | 55/45                                  | 244                                  | 315  | 385  | 456  | 656  | 410                                  | 529  | 641  | 750  | 1037 | 417                                                 | 526  | 631  | 736  | 1020 |
|                  | 90/70                                  | 724                                  | 926  | 1123 | 1317 | 1913 | 1201                                 | 1549 | 1876 | 2191 | 3053 | 1209                                                | 1524 | 1830 | 2135 | 3077 |
| 1900             | 75/65                                  | 563                                  | 721  | 877  | 1031 | 1493 | 937                                  | 1208 | 1464 | 1710 | 2378 | 946                                                 | 1191 | 1430 | 1669 | 2381 |
|                  | 70/55                                  | 449                                  | 577  | 702  | 828  | 1196 | 749                                  | 966  | 1171 | 1368 | 1900 | 758                                                 | 955  | 1147 | 1338 | 1891 |
|                  | 55/45                                  | 274                                  | 354  | 434  | 513  | 738  | 461                                  | 595  | 722  | 844  | 1167 | 470                                                 | 591  | 710  | 828  | 1147 |
| 2000             | 90/70                                  | 804                                  | 1029 | 1248 | 1464 | 2125 | 1335                                 | 1721 | 2085 | 2434 | 3392 | 1344                                                | 1693 | 2033 | 2373 | 3419 |
|                  | 75/65                                  | 625                                  | 802  | 975  | 1146 | 1659 | 1041                                 | 1342 | 1626 | 1900 | 2642 | 1051                                                | 1324 | 1589 | 1855 | 2646 |
|                  | 70/55                                  | 498                                  | 641  | 781  | 920  | 1328 | 832                                  | 1074 | 1301 | 1520 | 2111 | 843                                                 | 1062 | 1274 | 1487 | 2102 |
| 2100             | 55/45                                  | 305                                  | 394  | 482  | 570  | 820  | 512                                  | 661  | 802  | 937  | 1296 | 522                                                 | 657  | 788  | 920  | 1275 |
|                  | 90/70                                  | 925                                  | 1183 | 1435 | 1683 | 2444 | 1535                                 | 1979 | 2398 | 2800 | 3900 | 1545                                                | 1947 | 2338 | 2729 | 3932 |
|                  | 75/65                                  | 719                                  | 922  | 1121 | 1318 | 1908 | 1197                                 | 1543 | 1870 | 2185 | 3038 | 1208                                                | 1522 | 1828 | 2133 | 3042 |
| 2200             | 70/55                                  | 573                                  | 737  | 898  | 1058 | 1528 | 957                                  | 1235 | 1497 | 1748 | 2427 | 969                                                 | 1221 | 1465 | 1710 | 2417 |
|                  | 55/45                                  | 351                                  | 453  | 554  | 656  | 943  | 589                                  | 760  | 922  | 1078 | 1491 | 600                                                 | 756  | 907  | 1058 | 1466 |
| 2300             | 90/70                                  | 1046                                 | 1338 | 1622 | 1903 | 2763 | 1735                                 | 2237 | 2710 | 3165 | 4409 | 1747                                                | 2201 | 2643 | 3085 | 4444 |
|                  | 75/65                                  | 813                                  | 1042 | 1267 | 1490 | 2157 | 1353                                 | 1745 | 2114 | 2469 | 3434 | 1366                                                | 1721 | 2066 | 2411 | 3439 |
|                  | 70/55                                  | 648                                  | 833  | 1015 | 1196 | 1727 | 1082                                 | 1396 | 1692 | 1976 | 2744 | 1096                                                | 1380 | 1657 | 1933 | 2732 |
| 2400             | 55/45                                  | 396                                  | 512  | 626  | 742  | 1065 | 666                                  | 859  | 1042 | 1218 | 1685 | 678                                                 | 854  | 1025 | 1196 | 1657 |
|                  | 90/70                                  | 1206                                 | 1543 | 1872 | 2196 | 3188 | 2002                                 | 2581 | 3127 | 3652 | 5088 | 2015                                                | 2539 | 3049 | 3559 | 5128 |
|                  | 75/65                                  | 938                                  | 1202 | 1462 | 1719 | 2488 | 1561                                 | 2013 | 2440 | 2849 | 3963 | 1576                                                | 1986 | 2384 | 2782 | 3968 |
| 2500             | 70/55                                  | 748                                  | 961  | 1171 | 1379 | 1993 | 1248                                 | 1610 | 1952 | 2281 | 3166 | 1264                                                | 1592 | 1911 | 2230 | 3152 |
|                  | 55/45                                  | 457                                  | 591  | 723  | 856  | 1229 | 768                                  | 991  | 1203 | 1406 | 1945 | 783                                                 | 986  | 1183 | 1380 | 1912 |



# RADIK® KLASIK, KLASIK - Z, VK, VK - Z ,VKU, VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 21<br>Type 21 VK<br>Type 21 VKL<br>Type 21 VKU |      |      |      |      | Type 22<br>Type 22 VK<br>Type 22 VKL<br>Type 22 VKU |      |      |      |      | Type 33<br>Type 33 VK<br>Type 33 VKL<br>Type 33 VKU |      |      |      |       |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |      |       |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 362                                                 | 456  | 544  | 628  | 858  | 471                                                 | 593  | 708  | 819  | 1132 | 669                                                 | 845  | 1013 | 1175 | 1630  |
|                  | 75/65                                  | 282                                                 | 355  | 423  | 488  | 664  | 366                                                 | 461  | 550  | 636  | 875  | 523                                                 | 659  | 788  | 911  | 1259  |
|                  | 70/55                                  | 226                                                 | 284  | 338  | 389  | 527  | 292                                                 | 367  | 439  | 507  | 695  | 420                                                 | 527  | 629  | 725  | 999   |
|                  | 55/45                                  | 139                                                 | 174  | 207  | 238  | 319  | 179                                                 | 225  | 268  | 310  | 421  | 260                                                 | 325  | 385  | 442  | 604   |
| 500              | 90/70                                  | 453                                                 | 570  | 680  | 785  | 1073 | 588                                                 | 741  | 885  | 1024 | 1415 | 836                                                 | 1056 | 1266 | 1468 | 2037  |
|                  | 75/65                                  | 353                                                 | 444  | 529  | 610  | 830  | 457                                                 | 576  | 688  | 795  | 1094 | 654                                                 | 824  | 985  | 1139 | 1574  |
|                  | 70/55                                  | 282                                                 | 354  | 422  | 486  | 659  | 365                                                 | 459  | 548  | 634  | 869  | 525                                                 | 659  | 786  | 906  | 1249  |
|                  | 55/45                                  | 173                                                 | 217  | 259  | 298  | 399  | 223                                                 | 281  | 335  | 387  | 526  | 325                                                 | 406  | 481  | 552  | 755   |
| 600              | 90/70                                  | 544                                                 | 684  | 816  | 942  | 1287 | 706                                                 | 889  | 1062 | 1228 | 1698 | 1003                                                | 1267 | 1519 | 1762 | 2444  |
|                  | 75/65                                  | 424                                                 | 533  | 635  | 732  | 996  | 549                                                 | 691  | 825  | 954  | 1313 | 785                                                 | 988  | 1182 | 1367 | 1889  |
|                  | 70/55                                  | 338                                                 | 425  | 507  | 584  | 791  | 438                                                 | 551  | 658  | 760  | 1043 | 629                                                 | 791  | 943  | 1088 | 1498  |
|                  | 55/45                                  | 208                                                 | 261  | 310  | 357  | 479  | 268                                                 | 337  | 402  | 464  | 632  | 390                                                 | 487  | 577  | 662  | 906   |
| 700              | 90/70                                  | 634                                                 | 798  | 952  | 1099 | 1502 | 824                                                 | 1037 | 1239 | 1433 | 1980 | 1170                                                | 1478 | 1772 | 2056 | 2852  |
|                  | 75/65                                  | 494                                                 | 621  | 741  | 854  | 1162 | 640                                                 | 806  | 963  | 1113 | 1532 | 915                                                 | 1153 | 1378 | 1594 | 2204  |
|                  | 70/55                                  | 395                                                 | 496  | 591  | 681  | 922  | 511                                                 | 643  | 767  | 887  | 1216 | 734                                                 | 923  | 1100 | 1269 | 1748  |
|                  | 55/45                                  | 243                                                 | 304  | 362  | 417  | 559  | 313                                                 | 393  | 469  | 542  | 737  | 455                                                 | 568  | 674  | 773  | 1057  |
| 800              | 90/70                                  | 725                                                 | 912  | 1088 | 1256 | 1716 | 941                                                 | 1185 | 1416 | 1638 | 2263 | 1338                                                | 1690 | 2026 | 2350 | 3259  |
|                  | 75/65                                  | 565                                                 | 710  | 846  | 976  | 1328 | 732                                                 | 921  | 1100 | 1272 | 1751 | 1046                                                | 1318 | 1575 | 1822 | 2518  |
|                  | 70/55                                  | 451                                                 | 567  | 676  | 778  | 1054 | 584                                                 | 735  | 877  | 1014 | 1390 | 839                                                 | 1054 | 1257 | 1450 | 1998  |
|                  | 55/45                                  | 277                                                 | 348  | 414  | 476  | 639  | 357                                                 | 449  | 536  | 619  | 842  | 520                                                 | 649  | 770  | 883  | 1208  |
| 900              | 90/70                                  | 816                                                 | 1026 | 1224 | 1413 | 1931 | 1059                                                | 1334 | 1593 | 1842 | 2546 | 1505                                                | 1901 | 2279 | 2643 | 3667  |
|                  | 75/65                                  | 635                                                 | 799  | 952  | 1098 | 1493 | 823                                                 | 1036 | 1238 | 1431 | 1969 | 1177                                                | 1483 | 1772 | 2050 | 2833  |
|                  | 70/55                                  | 508                                                 | 638  | 760  | 876  | 1186 | 657                                                 | 827  | 987  | 1140 | 1564 | 944                                                 | 1186 | 1414 | 1632 | 2248  |
|                  | 55/45                                  | 312                                                 | 391  | 466  | 536  | 718  | 402                                                 | 506  | 603  | 697  | 948  | 585                                                 | 731  | 866  | 994  | 1359  |
| 1000             | 90/70                                  | 906                                                 | 1140 | 1360 | 1570 | 2146 | 1177                                                | 1482 | 1770 | 2047 | 2829 | 1672                                                | 2112 | 2532 | 2937 | 4074  |
|                  | 75/65                                  | 706                                                 | 888  | 1058 | 1220 | 1659 | 915                                                 | 1152 | 1375 | 1590 | 2188 | 1308                                                | 1647 | 1969 | 2278 | 3148  |
|                  | 70/55                                  | 564                                                 | 709  | 844  | 973  | 1318 | 730                                                 | 918  | 1096 | 1267 | 1738 | 1049                                                | 1318 | 1571 | 1813 | 2497  |
|                  | 55/45                                  | 347                                                 | 435  | 517  | 595  | 798  | 447                                                 | 562  | 670  | 774  | 1053 | 650                                                 | 812  | 962  | 1104 | 1510  |
| 1100             | 90/70                                  | 997                                                 | 1254 | 1496 | 1726 | 2360 | 1294                                                | 1630 | 1947 | 2252 | 3112 | 1839                                                | 2323 | 2785 | 3231 | 4481  |
|                  | 75/65                                  | 777                                                 | 976  | 1164 | 1342 | 1825 | 1006                                                | 1267 | 1513 | 1749 | 2407 | 1439                                                | 1812 | 2166 | 2505 | 3463  |
|                  | 70/55                                  | 621                                                 | 780  | 929  | 1070 | 1449 | 803                                                 | 1010 | 1206 | 1394 | 1911 | 1154                                                | 1450 | 1729 | 1994 | 2747  |
|                  | 55/45                                  | 381                                                 | 478  | 569  | 655  | 878  | 492                                                 | 618  | 737  | 852  | 1158 | 715                                                 | 893  | 1059 | 1215 | 1661  |
| 1200             | 90/70                                  | 1087                                                | 1369 | 1632 | 1883 | 2575 | 1412                                                | 1778 | 2124 | 2456 | 3395 | 2006                                                | 2534 | 3038 | 3524 | 4889  |
|                  | 75/65                                  | 847                                                 | 1065 | 1270 | 1464 | 1991 | 1098                                                | 1382 | 1650 | 1908 | 2626 | 1569                                                | 1977 | 2363 | 2733 | 3778  |
|                  | 70/55                                  | 677                                                 | 851  | 1013 | 1167 | 1581 | 876                                                 | 1102 | 1316 | 1521 | 2085 | 1259                                                | 1582 | 1886 | 2175 | 2997  |
|                  | 55/45                                  | 416                                                 | 522  | 621  | 714  | 958  | 536                                                 | 674  | 804  | 929  | 1263 | 780                                                 | 974  | 1155 | 1325 | 1812  |
| 1400             | 90/70                                  | 1269                                                | 1597 | 1904 | 2197 | 3004 | 1647                                                | 2074 | 2478 | 2866 | 3961 | 2341                                                | 2957 | 3545 | 4112 | 5704  |
|                  | 75/65                                  | 988                                                 | 1243 | 1481 | 1708 | 2323 | 1281                                                | 1612 | 1925 | 2226 | 3064 | 1831                                                | 2306 | 2757 | 3189 | 4407  |
|                  | 70/55                                  | 790                                                 | 992  | 1182 | 1362 | 1845 | 1022                                                | 1286 | 1535 | 1774 | 2433 | 1469                                                | 1845 | 2200 | 2538 | 3496  |
|                  | 55/45                                  | 485                                                 | 609  | 724  | 833  | 1117 | 626                                                 | 787  | 938  | 1084 | 1474 | 910                                                 | 1137 | 1347 | 1546 | 2114  |
| 1600             | 90/70                                  | 1450                                                | 1825 | 2177 | 2511 | 3433 | 1883                                                | 2371 | 2832 | 3275 | 4527 | 2675                                                | 3379 | 4051 | 4699 | 6518  |
|                  | 75/65                                  | 1129                                                | 1420 | 1693 | 1952 | 2655 | 1464                                                | 1843 | 2200 | 2544 | 3501 | 2093                                                | 2636 | 3151 | 3644 | 5037  |
|                  | 70/55                                  | 903                                                 | 1134 | 1351 | 1556 | 2108 | 1168                                                | 1470 | 1754 | 2028 | 2780 | 1679                                                | 2109 | 2514 | 2901 | 3996  |
|                  | 55/45                                  | 555                                                 | 696  | 828  | 952  | 1277 | 715                                                 | 899  | 1072 | 1239 | 1685 | 1040                                                | 1299 | 1540 | 1767 | 2416  |
| 1800             | 90/70                                  | 1631                                                | 2053 | 2449 | 2825 | 3862 | 2118                                                | 2667 | 3186 | 3685 | 5093 | 3009                                                | 3801 | 4558 | 5286 | 7333  |
|                  | 75/65                                  | 1271                                                | 1598 | 1905 | 2196 | 2987 | 1647                                                | 2073 | 2475 | 2862 | 3939 | 2354                                                | 2965 | 3545 | 4100 | 5666  |
|                  | 70/55                                  | 1015                                                | 1276 | 1520 | 1751 | 2372 | 1314                                                | 1653 | 1973 | 2281 | 3128 | 1888                                                | 2372 | 2829 | 3263 | 4495  |
|                  | 55/45                                  | 624                                                 | 783  | 931  | 1071 | 1437 | 804                                                 | 1011 | 1206 | 1393 | 1895 | 1170                                                | 1461 | 1732 | 1987 | 2719  |
| 2000             | 90/70                                  | 1812                                                | 2281 | 2721 | 3139 | 4291 | 2354                                                | 2963 | 3540 | 4094 | 5658 | 3344                                                | 4224 | 5064 | 5874 | 8148  |
|                  | 75/65                                  | 1412                                                | 1775 | 2116 | 2440 | 3319 | 1830                                                | 2303 | 2750 | 3180 | 4377 | 2616                                                | 3295 | 3939 | 4555 | 6296  |
|                  | 70/55                                  | 1128                                                | 1418 | 1689 | 1946 | 2635 | 1460                                                | 1837 | 2193 | 2534 | 3475 | 2098                                                | 2636 | 3143 | 3626 | 4995  |
|                  | 55/45                                  | 693                                                 | 870  | 1034 | 1190 | 1596 | 894                                                 | 1124 | 1340 | 1548 | 2106 | 1300                                                | 1624 | 1925 | 2208 | 3021  |
| 2300             | 90/70                                  | 2084                                                | 2623 | 3129 | 3610 | 4935 | 2707                                                | 3408 | 4070 | 4708 | 6507 | 3845                                                | 4857 | 5824 | 6755 | 9370  |
|                  | 75/65                                  | 1624                                                | 2042 | 2434 | 2806 | 3817 | 2104                                                | 2649 | 3163 | 3657 | 5033 | 3008                                                | 3789 | 4529 | 5238 | 7240  |
|                  | 70/55                                  | 1298                                                | 1630 | 1942 | 2237 | 3030 | 1679                                                | 2113 | 2522 | 2915 | 3997 | 2413                                                | 3031 | 3614 | 4169 | 5744  |
|                  | 55/45                                  | 797                                                 | 1000 | 1190 | 1369 | 1836 | 1028                                                | 1292 | 1541 | 1780 | 2422 | 1495                                                | 1867 | 2214 | 2539 | 3474  |
| 2600             | 90/70                                  | 2356                                                | 2965 | 3537 | 4081 | 5579 | 3060                                                | 3852 | 4601 | 5322 | 7356 | 4347                                                | 5491 | 6583 | 7636 | 10592 |
|                  | 75/65                                  | 1835                                                | 2308 | 2751 | 3172 | 4315 | 2379                                                | 2994 | 3575 | 4134 | 5690 | 3400                                                | 4283 | 5120 | 5922 | 8185  |
|                  | 70/55                                  | 1467                                                | 1843 | 2195 | 2529 | 3426 | 1898                                                | 2388 | 2850 | 3295 | 4518 | 2728                                                | 3427 | 4086 | 4713 | 6493  |
|                  | 55/45                                  | 901                                                 | 1131 | 1345 | 1547 | 2075 | 1162                                                | 1461 | 1743 | 2013 | 2737 | 1690                                                | 2111 | 2502 | 2871 | 3927  |
| 3000             | 90/70                                  | 2719                                                | 3421 | 4081 | 4709 | 6437 | 3530                                                | 4445 | 5309 | 6141 | 8488 | 5016                                                | 6336 | 7596 | 8811 | 12222 |
|                  | 75/65                                  | 2118                                                | 2663 | 3174 | 3660 | 4978 | 2745                                                | 3455 | 4125 | 4770 | 6565 | 3924                                                | 4942 | 5908 | 6833 | 9444  |
|                  | 70/55                                  | 1692                                                | 2127 | 2533 | 2918 | 3953 | 2190                                                | 2755 | 3289 | 3802 | 5213 | 3147                                                | 3954 | 4714 | 5438 | 7492  |
|                  | 55/45                                  | 1040                                                | 1305 | 1552 | 1785 | 2395 | 1340                                                | 1686 | 2011 | 2322 | 3159 | 1949                                                | 2435 | 2887 | 3312 | 4531  |



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 10 VKM   |      |      |      |      | Type 11 VKM |      |      |      |      | Type 20 VKM |      |      |      |      |
|------------------|----------------------------------------|---------------|------|------|------|------|-------------|------|------|------|------|-------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |             |      |      |      |      |             |      |      |      |      |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 211           | 268  | 322  | 376  | 523  | 297         | 382  | 467  | 553  | 812  | 352         | 441  | 527  | 610  | 855  |
|                  | 75/65                                  | 170           | 216  | 259  | 302  | 419  | 240         | 309  | 376  | 444  | 650  | 284         | 355  | 423  | 490  | 683  |
|                  | 70/55                                  | 140           | 178  | 214  | 249  | 344  | 200         | 256  | 311  | 366  | 535  | 235         | 293  | 349  | 404  | 561  |
| 500              | 55/45                                  | 95            | 120  | 143  | 166  | 229  | 136         | 173  | 209  | 245  | 357  | 158         | 197  | 234  | 270  | 372  |
|                  | 90/70                                  | 263           | 335  | 403  | 469  | 654  | 371         | 477  | 584  | 691  | 1015 | 440         | 552  | 658  | 763  | 1069 |
|                  | 75/65                                  | 212           | 269  | 324  | 377  | 523  | 300         | 386  | 470  | 555  | 813  | 355         | 444  | 529  | 612  | 854  |
| 600              | 70/55                                  | 175           | 223  | 267  | 311  | 431  | 250         | 320  | 389  | 458  | 669  | 293         | 367  | 437  | 505  | 701  |
|                  | 55/45                                  | 118           | 150  | 179  | 208  | 287  | 170         | 217  | 262  | 306  | 446  | 197         | 246  | 293  | 338  | 465  |
|                  | 90/70                                  | 316           | 402  | 484  | 563  | 785  | 445         | 573  | 701  | 829  | 1218 | 529         | 662  | 790  | 915  | 1283 |
| 700              | 75/65                                  | 255           | 323  | 389  | 452  | 628  | 361         | 463  | 564  | 666  | 975  | 426         | 533  | 635  | 735  | 1025 |
|                  | 70/55                                  | 211           | 267  | 321  | 373  | 517  | 300         | 384  | 467  | 549  | 803  | 352         | 440  | 524  | 606  | 841  |
|                  | 55/45                                  | 142           | 180  | 215  | 250  | 344  | 204         | 260  | 314  | 367  | 535  | 237         | 296  | 351  | 405  | 558  |
| 800              | 90/70                                  | 369           | 469  | 564  | 657  | 916  | 519         | 668  | 817  | 968  | 1421 | 617         | 772  | 922  | 1068 | 1497 |
|                  | 75/65                                  | 297           | 377  | 454  | 528  | 733  | 421         | 540  | 658  | 777  | 1138 | 497         | 621  | 741  | 857  | 1195 |
|                  | 70/55                                  | 246           | 312  | 374  | 435  | 603  | 350         | 448  | 544  | 641  | 936  | 411         | 513  | 611  | 707  | 981  |
| 900              | 55/45                                  | 165           | 209  | 251  | 291  | 401  | 238         | 303  | 366  | 429  | 624  | 276         | 345  | 410  | 473  | 651  |
|                  | 90/70                                  | 421           | 536  | 645  | 751  | 1046 | 593         | 764  | 934  | 1106 | 1624 | 705         | 883  | 1053 | 1220 | 1710 |
|                  | 75/65                                  | 339           | 431  | 518  | 603  | 838  | 481         | 617  | 752  | 888  | 1300 | 568         | 710  | 847  | 979  | 1366 |
| 1000             | 70/55                                  | 281           | 356  | 428  | 497  | 689  | 400         | 512  | 622  | 732  | 1070 | 469         | 587  | 699  | 808  | 1121 |
|                  | 55/45                                  | 189           | 239  | 287  | 333  | 458  | 272         | 346  | 419  | 490  | 713  | 316         | 394  | 468  | 540  | 744  |
|                  | 90/70                                  | 474           | 603  | 726  | 845  | 1177 | 667         | 859  | 1051 | 1244 | 1827 | 793         | 993  | 1185 | 1373 | 1924 |
| 1100             | 75/65                                  | 382           | 485  | 583  | 678  | 942  | 541         | 694  | 846  | 999  | 1463 | 638         | 799  | 952  | 1102 | 1537 |
|                  | 70/55                                  | 316           | 401  | 481  | 559  | 775  | 450         | 576  | 700  | 824  | 1204 | 528         | 660  | 786  | 909  | 1262 |
|                  | 55/45                                  | 213           | 269  | 323  | 374  | 516  | 306         | 390  | 471  | 551  | 802  | 355         | 443  | 527  | 608  | 837  |
| 1200             | 90/70                                  | 527           | 670  | 806  | 939  | 1308 | 741         | 955  | 1168 | 1382 | 2029 | 881         | 1103 | 1317 | 1525 | 2138 |
|                  | 75/65                                  | 424           | 539  | 648  | 754  | 1047 | 601         | 771  | 940  | 1110 | 1625 | 709         | 888  | 1058 | 1224 | 1708 |
|                  | 70/55                                  | 351           | 445  | 535  | 622  | 861  | 500         | 640  | 778  | 915  | 1338 | 587         | 733  | 873  | 1010 | 1402 |
| 1300             | 55/45                                  | 236           | 299  | 359  | 416  | 573  | 340         | 433  | 523  | 612  | 891  | 395         | 493  | 586  | 675  | 929  |
|                  | 90/70                                  | 579           | 737  | 887  | 1033 | 1439 | 816         | 1050 | 1284 | 1521 | 2232 | 969         | 1214 | 1449 | 1678 | 2352 |
|                  | 75/65                                  | 467           | 593  | 713  | 829  | 1152 | 661         | 849  | 1034 | 1221 | 1788 | 780         | 976  | 1164 | 1347 | 1878 |
| 1400             | 70/55                                  | 386           | 490  | 588  | 684  | 947  | 550         | 704  | 855  | 1007 | 1471 | 645         | 807  | 961  | 1110 | 1542 |
|                  | 55/45                                  | 260           | 329  | 395  | 458  | 630  | 374         | 476  | 576  | 674  | 981  | 434         | 542  | 644  | 743  | 1022 |
|                  | 90/70                                  | 632           | 804  | 967  | 1127 | 1570 | 890         | 1146 | 1401 | 1659 | 2435 | 1057        | 1324 | 1580 | 1830 | 2566 |
| 1500             | 75/65                                  | 509           | 647  | 778  | 905  | 1256 | 721         | 926  | 1128 | 1332 | 1950 | 851         | 1065 | 1270 | 1469 | 2049 |
|                  | 70/55                                  | 421           | 534  | 642  | 746  | 1033 | 600         | 768  | 933  | 1098 | 1605 | 704         | 880  | 1048 | 1211 | 1682 |
|                  | 55/45                                  | 284           | 359  | 430  | 499  | 688  | 408         | 520  | 628  | 735  | 1070 | 474         | 591  | 703  | 811  | 1115 |
| 1600             | 90/70                                  | 737           | 938  | 1129 | 1315 | 1831 | 1038        | 1337 | 1635 | 1935 | 2841 | 1233        | 1545 | 1844 | 2136 | 2993 |
|                  | 75/65                                  | 594           | 754  | 907  | 1055 | 1466 | 841         | 1080 | 1316 | 1554 | 2276 | 993         | 1243 | 1481 | 1714 | 2391 |
|                  | 70/55                                  | 491           | 623  | 749  | 870  | 1205 | 700         | 896  | 1089 | 1281 | 1873 | 821         | 1027 | 1223 | 1413 | 1963 |
| 1700             | 55/45                                  | 331           | 419  | 502  | 582  | 802  | 476         | 606  | 733  | 857  | 1248 | 553         | 690  | 820  | 946  | 1301 |
|                  | 90/70                                  | 843           | 1072 | 1290 | 1502 | 2093 | 1186        | 1528 | 1868 | 2212 | 3247 | 1409        | 1766 | 2107 | 2441 | 3421 |
|                  | 75/65                                  | 679           | 862  | 1037 | 1206 | 1675 | 961         | 1234 | 1504 | 1776 | 2601 | 1135        | 1420 | 1693 | 1959 | 2732 |
| 1800             | 70/55                                  | 561           | 712  | 856  | 995  | 1378 | 799         | 1024 | 1244 | 1464 | 2140 | 939         | 1173 | 1397 | 1615 | 2243 |
|                  | 55/45                                  | 378           | 479  | 574  | 666  | 917  | 544         | 693  | 837  | 980  | 1426 | 632         | 788  | 937  | 1081 | 1487 |
|                  | 90/70                                  | 948           | 1205 | 1451 | 1690 | 2355 | 1335        | 1719 | 2102 | 2488 | 3653 | 1586        | 1986 | 2370 | 2746 | 3848 |
| 1900             | 75/65                                  | 764           | 970  | 1166 | 1357 | 1884 | 1082        | 1389 | 1692 | 1998 | 2926 | 1277        | 1598 | 1905 | 2204 | 3074 |
|                  | 70/55                                  | 632           | 801  | 963  | 1119 | 1550 | 899         | 1151 | 1400 | 1647 | 2408 | 1056        | 1320 | 1572 | 1817 | 2523 |
|                  | 55/45                                  | 425           | 539  | 646  | 749  | 1032 | 612         | 780  | 942  | 1102 | 1604 | 711         | 887  | 1054 | 1216 | 1673 |
| 2000             | 90/70                                  | 1053          | 1339 | 1612 | 1878 | 2616 | 1483        | 1910 | 2335 | 2765 | 4059 | 1762        | 2207 | 2634 | 3051 | 4276 |
|                  | 75/65                                  | 848           | 1078 | 1296 | 1508 | 2094 | 1202        | 1543 | 1881 | 2219 | 3251 | 1419        | 1775 | 2116 | 2449 | 3415 |
|                  | 70/55                                  | 702           | 891  | 1070 | 1243 | 1722 | 999         | 1279 | 1555 | 1830 | 2675 | 1173        | 1467 | 1747 | 2019 | 2804 |
| 2100             | 55/45                                  | 473           | 598  | 717  | 832  | 1146 | 681         | 866  | 1047 | 1225 | 1783 | 790         | 985  | 1171 | 1351 | 1859 |
|                  | 90/70                                  | 1211          | 1540 | 1854 | 2160 | 3009 | 1705        | 2196 | 2685 | 3179 | 4668 | 2026        | 2538 | 3029 | 3508 | 4917 |
|                  | 75/65                                  | 976           | 1239 | 1490 | 1734 | 2408 | 1382        | 1774 | 2163 | 2552 | 3738 | 1632        | 2042 | 2434 | 2816 | 3927 |
| 2200             | 70/55                                  | 807           | 1024 | 1230 | 1430 | 1980 | 1149        | 1471 | 1788 | 2105 | 3077 | 1349        | 1687 | 2009 | 2322 | 3224 |
|                  | 55/45                                  | 544           | 688  | 825  | 957  | 1318 | 783         | 996  | 1204 | 1409 | 2050 | 908         | 1133 | 1347 | 1553 | 2138 |
|                  | 90/70                                  | 1369          | 1741 | 2096 | 2441 | 3401 | 1928        | 2483 | 3036 | 3594 | 5277 | 2290        | 2869 | 3424 | 3966 | 5559 |
| 2300             | 75/65                                  | 1103          | 1401 | 1685 | 1960 | 2722 | 1562        | 2006 | 2445 | 2885 | 4226 | 1845        | 2308 | 2751 | 3183 | 4440 |
|                  | 70/55                                  | 912           | 1158 | 1391 | 1616 | 2239 | 1299        | 1663 | 2022 | 2379 | 3478 | 1525        | 1907 | 2271 | 2625 | 3645 |
|                  | 55/45                                  | 614           | 778  | 933  | 1082 | 1490 | 885         | 1126 | 1361 | 1592 | 2318 | 1027        | 1281 | 1522 | 1756 | 2417 |
| 2400             | 90/70                                  | 1580          | 2009 | 2419 | 2817 | 3924 | 2224        | 2865 | 3503 | 4147 | 6088 | 2643        | 3310 | 3951 | 4576 | 6414 |
|                  | 75/65                                  | 1273          | 1617 | 1944 | 2261 | 3141 | 1803        | 2314 | 2821 | 3329 | 4876 | 2128        | 2663 | 3174 | 3673 | 5123 |
|                  | 70/55                                  | 1053          | 1336 | 1605 | 1865 | 2583 | 1499        | 1919 | 2333 | 2745 | 4013 | 1760        | 2200 | 2620 | 3029 | 4205 |
| 2500             | 55/45                                  | 709           | 898  | 1076 | 1248 | 1719 | 1021        | 1299 | 1570 | 1837 | 2674 | 1185        | 1478 | 1757 | 2026 | 2788 |



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 21 VKM   |      |      |      |      | Type 22 VKM |      |      |      |       | Type 33 VKM |      |      |       |       |
|------------------|----------------------------------------|---------------|------|------|------|------|-------------|------|------|------|-------|-------------|------|------|-------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |             |      |      |      |       |             |      |      |       |       |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900   | 300         | 400  | 500  | 600   | 900   |
| 400              | 90/70                                  | 422           | 531  | 635  | 738  | 1035 | 534         | 680  | 820  | 955  | 1335  | 753         | 972  | 1178 | 1372  | 1883  |
|                  | 75/65                                  | 339           | 425  | 508  | 589  | 822  | 430         | 546  | 657  | 764  | 1063  | 604         | 779  | 943  | 1096  | 1498  |
|                  | 70/55                                  | 280           | 350  | 418  | 483  | 672  | 356         | 450  | 541  | 627  | 871   | 498         | 641  | 775  | 900   | 1225  |
| 500              | 55/45                                  | 187           | 234  | 277  | 320  | 441  | 239         | 302  | 361  | 417  | 575   | 333         | 428  | 515  | 597   | 806   |
|                  | 90/70                                  | 528           | 663  | 794  | 922  | 1294 | 668         | 849  | 1025 | 1194 | 1668  | 941         | 1215 | 1473 | 1715  | 2354  |
|                  | 75/65                                  | 424           | 532  | 635  | 736  | 1028 | 538         | 682  | 821  | 954  | 1329  | 755         | 974  | 1178 | 1370  | 1872  |
| 600              | 70/55                                  | 350           | 438  | 522  | 604  | 839  | 444         | 563  | 676  | 784  | 1089  | 622         | 802  | 969  | 1125  | 1531  |
|                  | 55/45                                  | 234           | 292  | 347  | 400  | 551  | 299         | 377  | 451  | 521  | 719   | 416         | 534  | 644  | 746   | 1008  |
|                  | 90/70                                  | 633           | 796  | 953  | 1107 | 1553 | 801         | 1019 | 1229 | 1433 | 2002  | 1129        | 1458 | 1768 | 2058  | 2825  |
| 700              | 75/65                                  | 509           | 638  | 762  | 883  | 1233 | 645         | 819  | 985  | 1145 | 1595  | 906         | 1168 | 1414 | 1644  | 2247  |
|                  | 70/55                                  | 420           | 525  | 626  | 724  | 1007 | 533         | 675  | 811  | 941  | 1307  | 746         | 962  | 1163 | 1350  | 1838  |
|                  | 55/45                                  | 281           | 350  | 416  | 480  | 661  | 359         | 452  | 541  | 625  | 862   | 499         | 641  | 773  | 896   | 1209  |
| 800              | 90/70                                  | 739           | 929  | 1112 | 1291 | 1811 | 935         | 1189 | 1434 | 1671 | 2336  | 1317        | 1702 | 2062 | 2401  | 3296  |
|                  | 75/65                                  | 593           | 744  | 889  | 1030 | 1439 | 753         | 955  | 1149 | 1336 | 1861  | 1057        | 1363 | 1650 | 1918  | 2621  |
|                  | 70/55                                  | 489           | 613  | 731  | 845  | 1175 | 622         | 788  | 946  | 1098 | 1524  | 871         | 1122 | 1356 | 1575  | 2144  |
| 900              | 55/45                                  | 328           | 409  | 486  | 559  | 771  | 418         | 528  | 631  | 729  | 1006  | 582         | 748  | 902  | 1045  | 1411  |
|                  | 90/70                                  | 845           | 1061 | 1271 | 1475 | 2070 | 1068        | 1359 | 1639 | 1910 | 2670  | 1505        | 1945 | 2357 | 2744  | 3767  |
|                  | 75/65                                  | 678           | 851  | 1016 | 1177 | 1644 | 860         | 1092 | 1314 | 1527 | 2127  | 1207        | 1558 | 1885 | 2192  | 2996  |
| 1000             | 70/55                                  | 559           | 700  | 835  | 966  | 1343 | 711         | 901  | 1081 | 1255 | 1742  | 995         | 1282 | 1550 | 1800  | 2450  |
|                  | 55/45                                  | 375           | 467  | 555  | 639  | 881  | 478         | 603  | 721  | 833  | 1150  | 665         | 855  | 1031 | 1194  | 1612  |
|                  | 90/70                                  | 950           | 1194 | 1430 | 1660 | 2329 | 1202        | 1529 | 1844 | 2149 | 3003  | 1693        | 2188 | 2651 | 3087  | 4237  |
| 1100             | 75/65                                  | 763           | 957  | 1143 | 1325 | 1850 | 968         | 1228 | 1478 | 1718 | 2393  | 1358        | 1753 | 2121 | 2466  | 3370  |
|                  | 70/55                                  | 629           | 788  | 939  | 1087 | 1511 | 800         | 1013 | 1217 | 1412 | 1960  | 1120        | 1443 | 1744 | 2025  | 2757  |
|                  | 55/45                                  | 421           | 526  | 624  | 719  | 992  | 538         | 679  | 812  | 938  | 1293  | 748         | 962  | 1160 | 1344  | 1814  |
| 1200             | 90/70                                  | 1056          | 1327 | 1588 | 1844 | 2588 | 1336        | 1699 | 2049 | 2388 | 3337  | 1881        | 2431 | 2946 | 3430  | 4708  |
|                  | 75/65                                  | 848           | 1063 | 1270 | 1472 | 2055 | 1075        | 1364 | 1642 | 1909 | 2658  | 1509        | 1947 | 2357 | 2740  | 3745  |
|                  | 70/55                                  | 699           | 875  | 1044 | 1207 | 1679 | 889         | 1126 | 1352 | 1568 | 2178  | 1244        | 1603 | 1938 | 2250  | 3063  |
| 1300             | 55/45                                  | 468           | 584  | 694  | 799  | 1102 | 598         | 754  | 902  | 1042 | 1437  | 832         | 1069 | 1289 | 1493  | 2015  |
|                  | 90/70                                  | 1161          | 1460 | 1747 | 2029 | 2846 | 1469        | 1869 | 2254 | 2626 | 3671  | 2069        | 2674 | 3240 | 3773  | 5179  |
|                  | 75/65                                  | 933           | 1170 | 1397 | 1619 | 2261 | 1183        | 1501 | 1806 | 2100 | 2924  | 1660        | 2142 | 2592 | 3015  | 4119  |
| 1400             | 70/55                                  | 769           | 963  | 1148 | 1328 | 1847 | 978         | 1238 | 1487 | 1725 | 2395  | 1368        | 1763 | 2131 | 2475  | 3369  |
|                  | 55/45                                  | 515           | 642  | 763  | 879  | 1212 | 658         | 829  | 992  | 1146 | 1581  | 915         | 1176 | 1417 | 1642  | 2217  |
|                  | 90/70                                  | 1267          | 1592 | 1906 | 2213 | 3105 | 1603        | 2039 | 2459 | 2865 | 4004  | 2258        | 2917 | 3535 | 4116  | 5650  |
| 1500             | 75/65                                  | 1017          | 1276 | 1524 | 1766 | 2466 | 1290        | 1637 | 1970 | 2291 | 3190  | 1811        | 2337 | 2828 | 3289  | 4494  |
|                  | 70/55                                  | 839           | 1050 | 1253 | 1449 | 2015 | 1067        | 1351 | 1622 | 1882 | 2613  | 1493        | 1924 | 2325 | 2700  | 3675  |
|                  | 55/45                                  | 562           | 701  | 832  | 959  | 1322 | 717         | 905  | 1082 | 1250 | 1724  | 998         | 1283 | 1546 | 1791  | 2418  |
| 1600             | 90/70                                  | 1478          | 1858 | 2224 | 2582 | 3623 | 1870        | 2378 | 2869 | 3343 | 4672  | 2634        | 3403 | 4124 | 4802  | 6592  |
|                  | 75/65                                  | 1187          | 1489 | 1778 | 2061 | 2877 | 1505        | 1910 | 2299 | 2672 | 3722  | 2113        | 2726 | 3299 | 3837  | 5242  |
|                  | 70/55                                  | 979           | 1226 | 1461 | 1690 | 2351 | 1244        | 1576 | 1893 | 2196 | 3049  | 1742        | 2244 | 2713 | 3151  | 4288  |
| 1700             | 55/45                                  | 655           | 817  | 971  | 1119 | 1543 | 837         | 1056 | 1262 | 1459 | 2012  | 1164        | 1496 | 1804 | 2090  | 2821  |
|                  | 90/70                                  | 1689          | 2123 | 2541 | 2951 | 4140 | 2137        | 2718 | 3279 | 3820 | 5339  | 3010        | 3889 | 4713 | 5489  | 7533  |
|                  | 75/65                                  | 1356          | 1701 | 2032 | 2355 | 3288 | 1720        | 2183 | 2627 | 3054 | 4253  | 2415        | 3116 | 3771 | 4385  | 5991  |
| 1800             | 70/55                                  | 1119          | 1401 | 1670 | 1932 | 2686 | 1422        | 1801 | 2163 | 2509 | 3484  | 1990        | 2565 | 3100 | 3601  | 4901  |
|                  | 55/45                                  | 749           | 934  | 1110 | 1279 | 1763 | 957         | 1206 | 1443 | 1667 | 2299  | 1330        | 1710 | 2062 | 2389  | 3224  |
|                  | 90/70                                  | 1900          | 2388 | 2859 | 3320 | 4658 | 2404        | 3058 | 3688 | 4298 | 6007  | 3386        | 4375 | 5303 | 6175  | 8475  |
| 1900             | 75/65                                  | 1526          | 1914 | 2286 | 2649 | 3699 | 1935        | 2456 | 2955 | 3436 | 4785  | 2717        | 3505 | 4242 | 4933  | 6740  |
|                  | 70/55                                  | 1259          | 1576 | 1879 | 2173 | 3022 | 1600        | 2026 | 2433 | 2823 | 3920  | 2239        | 2886 | 3488 | 4051  | 5513  |
|                  | 55/45                                  | 843           | 1051 | 1249 | 1439 | 1983 | 1076        | 1357 | 1623 | 1875 | 2587  | 1497        | 1924 | 2319 | 2687  | 3627  |
| 2000             | 90/70                                  | 2112          | 2654 | 3177 | 3689 | 5175 | 2671        | 3398 | 4098 | 4775 | 6674  | 3763        | 4862 | 5892 | 6861  | 9417  |
|                  | 75/65                                  | 1696          | 2126 | 2540 | 2944 | 4110 | 2150        | 2729 | 3284 | 3818 | 5317  | 3019        | 3895 | 4713 | 5481  | 7489  |
|                  | 70/55                                  | 1399          | 1751 | 2088 | 2415 | 3358 | 1778        | 2251 | 2704 | 3137 | 4355  | 2488        | 3206 | 3875 | 4501  | 6126  |
| 2100             | 55/45                                  | 936           | 1168 | 1387 | 1599 | 2204 | 1196        | 1508 | 1803 | 2084 | 2874  | 1663        | 2138 | 2577 | 2986  | 4030  |
|                  | 90/70                                  | 2428          | 3052 | 3653 | 4242 | 5951 | 3072        | 3907 | 4713 | 5491 | 7675  | 4327        | 5591 | 6775 | 7890  | 10829 |
|                  | 75/65                                  | 1950          | 2445 | 2921 | 3385 | 4727 | 2473        | 3138 | 3776 | 4390 | 6114  | 3471        | 4479 | 5420 | 6303  | 8613  |
| 2200             | 70/55                                  | 1608          | 2013 | 2401 | 2777 | 3862 | 2044        | 2589 | 3109 | 3607 | 5008  | 2861        | 3687 | 4456 | 5176  | 7045  |
|                  | 55/45                                  | 1077          | 1343 | 1595 | 1838 | 2534 | 1375        | 1734 | 2074 | 2396 | 3305  | 1912        | 2458 | 2964 | 3433  | 4635  |
|                  | 90/70                                  | 2745          | 3450 | 4130 | 4795 | 6728 | 3473        | 4417 | 5328 | 6208 | 8676  | 4892        | 6320 | 7659 | 8919  | 12241 |
| 2300             | 75/65                                  | 2204          | 2764 | 3302 | 3827 | 5343 | 2795        | 3547 | 4269 | 4963 | 6912  | 3924        | 5063 | 6127 | 7125  | 9736  |
|                  | 70/55                                  | 1818          | 2276 | 2714 | 3139 | 4365 | 2311        | 2927 | 3515 | 4078 | 5662  | 3234        | 4168 | 5038 | 5851  | 7964  |
|                  | 55/45                                  | 1217          | 1518 | 1803 | 2078 | 2865 | 1554        | 1960 | 2344 | 2709 | 3736  | 2162        | 2779 | 3350 | 3881  | 5240  |
| 2400             | 90/70                                  | 3167          | 3981 | 4765 | 5533 | 7763 | 4007        | 5096 | 6147 | 7163 | 10011 | 5644        | 7292 | 8838 | 10291 | 14125 |
|                  | 75/65                                  | 2543          | 3190 | 3810 | 4415 | 6165 | 3225        | 4093 | 4926 | 5726 | 7975  | 4528        | 5842 | 7070 | 8221  | 11234 |
|                  | 70/55                                  | 2098          | 2626 | 3131 | 3622 | 5037 | 2666        | 3377 | 4056 | 4705 | 6533  | 3732        | 4809 | 5813 | 6751  | 9189  |
| 2500             | 55/45                                  | 1405          | 1752 | 2081 | 2398 | 3306 | 1794        | 2262 | 2705 | 3125 | 4311  | 2495        | 3207 | 3866 | 4478  | 6046  |



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 10 VKM   |      |      |      |      | Type 11 VKM |      |      |      |      | Type 20 VKM |      |      |      |      |
|------------------|----------------------------------------|---------------|------|------|------|------|-------------|------|------|------|------|-------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |             |      |      |      |      |             |      |      |      |      |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 190           | 241  | 290  | 338  | 470  | 268         | 345  | 421  | 498  | 730  | 318         | 398  | 474  | 549  | 768  |
|                  | 75/65                                  | 150           | 190  | 229  | 266  | 369  | 213         | 273  | 332  | 392  | 573  | 251         | 314  | 374  | 432  | 601  |
|                  | 70/55                                  | 122           | 154  | 185  | 215  | 297  | 174         | 222  | 269  | 316  | 462  | 203         | 254  | 302  | 349  | 483  |
|                  | 55/45                                  | 77            | 98   | 117  | 136  | 187  | 112         | 142  | 171  | 200  | 290  | 129         | 161  | 191  | 221  | 302  |
| 500              | 90/70                                  | 237           | 302  | 363  | 423  | 588  | 335         | 431  | 526  | 622  | 912  | 397         | 497  | 593  | 686  | 960  |
|                  | 75/65                                  | 188           | 238  | 286  | 333  | 461  | 267         | 342  | 416  | 490  | 716  | 314         | 392  | 467  | 540  | 751  |
|                  | 70/55                                  | 152           | 193  | 231  | 269  | 371  | 217         | 277  | 337  | 395  | 577  | 254         | 317  | 377  | 436  | 603  |
|                  | 55/45                                  | 97            | 122  | 147  | 170  | 233  | 140         | 178  | 214  | 250  | 363  | 162         | 202  | 239  | 276  | 378  |
| 600              | 90/70                                  | 285           | 362  | 436  | 507  | 705  | 402         | 517  | 632  | 747  | 1095 | 476         | 597  | 711  | 824  | 1152 |
|                  | 75/65                                  | 225           | 286  | 343  | 399  | 553  | 320         | 410  | 499  | 587  | 859  | 376         | 470  | 560  | 648  | 901  |
|                  | 70/55                                  | 182           | 231  | 277  | 322  | 445  | 261         | 333  | 404  | 474  | 692  | 305         | 381  | 453  | 523  | 724  |
|                  | 55/45                                  | 116           | 147  | 176  | 204  | 280  | 168         | 213  | 257  | 300  | 436  | 194         | 242  | 287  | 331  | 453  |
| 700              | 90/70                                  | 332           | 422  | 508  | 592  | 823  | 469         | 603  | 737  | 871  | 1277 | 556         | 696  | 830  | 961  | 1344 |
|                  | 75/65                                  | 263           | 333  | 400  | 466  | 645  | 373         | 478  | 582  | 685  | 1002 | 439         | 549  | 654  | 756  | 1051 |
|                  | 70/55                                  | 213           | 270  | 324  | 376  | 520  | 304         | 388  | 471  | 553  | 808  | 356         | 444  | 528  | 610  | 845  |
|                  | 55/45                                  | 136           | 171  | 205  | 238  | 327  | 196         | 249  | 300  | 350  | 508  | 226         | 282  | 335  | 386  | 529  |
| 800              | 90/70                                  | 380           | 483  | 581  | 676  | 941  | 536         | 690  | 842  | 995  | 1460 | 635         | 795  | 949  | 1098 | 1536 |
|                  | 75/65                                  | 300           | 381  | 458  | 532  | 738  | 426         | 546  | 665  | 783  | 1146 | 502         | 627  | 747  | 864  | 1202 |
|                  | 70/55                                  | 243           | 308  | 370  | 430  | 594  | 348         | 444  | 539  | 632  | 923  | 406         | 508  | 604  | 698  | 966  |
|                  | 55/45                                  | 155           | 196  | 235  | 272  | 373  | 224         | 285  | 343  | 400  | 581  | 259         | 322  | 383  | 441  | 604  |
| 900              | 90/70                                  | 427           | 543  | 653  | 761  | 1058 | 603         | 776  | 947  | 1120 | 1642 | 715         | 895  | 1067 | 1236 | 1728 |
|                  | 75/65                                  | 338           | 428  | 515  | 599  | 830  | 480         | 615  | 748  | 881  | 1289 | 564         | 706  | 841  | 972  | 1352 |
|                  | 70/55                                  | 273           | 347  | 416  | 483  | 668  | 391         | 499  | 606  | 712  | 1038 | 457         | 571  | 679  | 785  | 1086 |
|                  | 55/45                                  | 174           | 220  | 264  | 306  | 420  | 252         | 320  | 386  | 450  | 654  | 291         | 363  | 431  | 496  | 680  |
| 1000             | 90/70                                  | 475           | 603  | 726  | 845  | 1176 | 670         | 862  | 1053 | 1244 | 1825 | 794         | 994  | 1186 | 1373 | 1920 |
|                  | 75/65                                  | 375           | 476  | 572  | 665  | 922  | 533         | 683  | 831  | 979  | 1432 | 627         | 784  | 934  | 1080 | 1502 |
|                  | 70/55                                  | 304           | 385  | 462  | 537  | 742  | 434         | 555  | 673  | 791  | 1154 | 508         | 634  | 755  | 872  | 1207 |
|                  | 55/45                                  | 194           | 245  | 293  | 340  | 467  | 280         | 356  | 429  | 500  | 726  | 323         | 403  | 478  | 551  | 755  |
| 1100             | 90/70                                  | 522           | 664  | 799  | 930  | 1293 | 737         | 948  | 1158 | 1369 | 2007 | 874         | 1094 | 1304 | 1510 | 2112 |
|                  | 75/65                                  | 413           | 524  | 629  | 732  | 1014 | 586         | 751  | 914  | 1077 | 1575 | 690         | 862  | 1027 | 1188 | 1652 |
|                  | 70/55                                  | 334           | 424  | 509  | 591  | 817  | 478         | 610  | 740  | 870  | 1269 | 559         | 698  | 830  | 959  | 1328 |
|                  | 55/45                                  | 213           | 269  | 323  | 374  | 513  | 308         | 391  | 471  | 550  | 799  | 356         | 443  | 526  | 607  | 831  |
| 1200             | 90/70                                  | 570           | 724  | 871  | 1014 | 1411 | 805         | 1035 | 1263 | 1493 | 2190 | 953         | 1193 | 1423 | 1647 | 2304 |
|                  | 75/65                                  | 450           | 571  | 686  | 798  | 1106 | 640         | 820  | 997  | 1175 | 1718 | 752         | 941  | 1121 | 1296 | 1802 |
|                  | 70/55                                  | 365           | 462  | 555  | 644  | 891  | 521         | 666  | 808  | 949  | 1385 | 610         | 761  | 906  | 1046 | 1448 |
|                  | 55/45                                  | 232           | 294  | 352  | 408  | 560  | 336         | 427  | 514  | 600  | 871  | 388         | 484  | 574  | 662  | 906  |
| 1400             | 90/70                                  | 665           | 845  | 1016 | 1183 | 1646 | 939         | 1207 | 1474 | 1742 | 2555 | 1112        | 1392 | 1660 | 1922 | 2687 |
|                  | 75/65                                  | 525           | 666  | 801  | 931  | 1291 | 746         | 956  | 1163 | 1371 | 2005 | 878         | 1098 | 1308 | 1512 | 2103 |
|                  | 70/55                                  | 425           | 539  | 647  | 752  | 1039 | 608         | 777  | 942  | 1107 | 1615 | 711         | 888  | 1057 | 1221 | 1690 |
|                  | 55/45                                  | 271           | 343  | 411  | 476  | 653  | 392         | 498  | 600  | 700  | 1017 | 453         | 564  | 670  | 772  | 1057 |
| 1600             | 90/70                                  | 760           | 966  | 1162 | 1352 | 1881 | 1073        | 1379 | 1684 | 1991 | 2919 | 1271        | 1591 | 1897 | 2197 | 3071 |
|                  | 75/65                                  | 600           | 762  | 915  | 1064 | 1475 | 853         | 1093 | 1330 | 1566 | 2291 | 1003        | 1254 | 1494 | 1728 | 2403 |
|                  | 70/55                                  | 486           | 616  | 740  | 859  | 1188 | 695         | 888  | 1077 | 1265 | 1846 | 813         | 1015 | 1208 | 1395 | 1931 |
|                  | 55/45                                  | 310           | 392  | 469  | 544  | 747  | 448         | 569  | 686  | 800  | 1162 | 517         | 645  | 766  | 882  | 1209 |
| 1800             | 90/70                                  | 855           | 1086 | 1307 | 1521 | 2116 | 1207        | 1552 | 1895 | 2240 | 3284 | 1429        | 1790 | 2134 | 2471 | 3455 |
|                  | 75/65                                  | 675           | 857  | 1030 | 1197 | 1660 | 959         | 1229 | 1496 | 1762 | 2578 | 1129        | 1411 | 1681 | 1944 | 2704 |
|                  | 70/55                                  | 547           | 693  | 832  | 967  | 1336 | 782         | 999  | 1212 | 1423 | 2077 | 914         | 1142 | 1359 | 1570 | 2173 |
|                  | 55/45                                  | 348           | 441  | 528  | 611  | 840  | 504         | 640  | 771  | 900  | 1307 | 582         | 725  | 861  | 993  | 1360 |
| 2000             | 90/70                                  | 950           | 1207 | 1452 | 1690 | 2351 | 1341        | 1724 | 2105 | 2489 | 3649 | 1588        | 1988 | 2372 | 2746 | 3839 |
|                  | 75/65                                  | 750           | 952  | 1144 | 1330 | 1844 | 1066        | 1366 | 1662 | 1958 | 2864 | 1254        | 1568 | 1868 | 2160 | 3004 |
|                  | 70/55                                  | 608           | 771  | 925  | 1074 | 1485 | 869         | 1110 | 1346 | 1581 | 2308 | 1016        | 1269 | 1510 | 1744 | 2414 |
|                  | 55/45                                  | 387           | 490  | 586  | 679  | 933  | 561         | 711  | 857  | 1000 | 1452 | 647         | 806  | 957  | 1103 | 1511 |
| 2300             | 90/70                                  | 1092          | 1388 | 1670 | 1944 | 2704 | 1542        | 1983 | 2421 | 2862 | 4197 | 1826        | 2287 | 2727 | 3158 | 4415 |
|                  | 75/65                                  | 863           | 1095 | 1316 | 1530 | 2121 | 1226        | 1571 | 1911 | 2252 | 3294 | 1442        | 1803 | 2148 | 2484 | 3455 |
|                  | 70/55                                  | 699           | 886  | 1064 | 1235 | 1708 | 999         | 1276 | 1548 | 1818 | 2654 | 1168        | 1459 | 1736 | 2006 | 2776 |
|                  | 55/45                                  | 445           | 563  | 674  | 781  | 1073 | 645         | 818  | 986  | 1150 | 1670 | 744         | 927  | 1101 | 1268 | 1737 |
| 2600             | 90/70                                  | 1235          | 1569 | 1888 | 2197 | 3057 | 1743        | 2241 | 2737 | 3235 | 4744 | 2065        | 2585 | 3083 | 3569 | 4991 |
|                  | 75/65                                  | 975           | 1238 | 1487 | 1729 | 2397 | 1386        | 1776 | 2161 | 2545 | 3723 | 1630        | 2038 | 2428 | 2808 | 3905 |
|                  | 70/55                                  | 790           | 1002 | 1202 | 1396 | 1930 | 1130        | 1443 | 1750 | 2056 | 3000 | 1321        | 1649 | 1963 | 2267 | 3138 |
|                  | 55/45                                  | 503           | 637  | 762  | 883  | 1213 | 729         | 925  | 1114 | 1300 | 1888 | 841         | 1048 | 1244 | 1434 | 1964 |
| 3000             | 90/70                                  | 1424          | 1810 | 2178 | 2535 | 3527 | 2011        | 2586 | 3158 | 3733 | 5474 | 2382        | 2983 | 3557 | 4119 | 5759 |
|                  | 75/65                                  | 1125          | 1428 | 1716 | 1995 | 2766 | 1599        | 2049 | 2493 | 2937 | 4296 | 1881        | 2352 | 2802 | 3240 | 4506 |
|                  | 70/55                                  | 912           | 1156 | 1387 | 1611 | 2227 | 1303        | 1665 | 2019 | 2372 | 3461 | 1524        | 1903 | 2265 | 2616 | 3621 |
|                  | 55/45                                  | 581           | 735  | 880  | 1019 | 1400 | 841         | 1067 | 1286 | 1500 | 2179 | 970         | 1209 | 1435 | 1654 | 2266 |

**HEAT OUTPUT IN WATTS CERTIFIED TO EN 442**

| 20 °C            |                                        | Type 21 VKM   |      |      |      |      | Type 22 VKM |      |      |      |      | Type 33 VKM |      |      |      |       |
|------------------|----------------------------------------|---------------|------|------|------|------|-------------|------|------|------|------|-------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |             |      |      |      |      |             |      |      |      |       |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 380           | 477  | 571  | 662  | 927  | 482         | 612  | 737  | 858  | 1197 | 677         | 874  | 1059 | 1232 | 1688  |
|                  | 75/65                                  | 299           | 375  | 447  | 518  | 721  | 380         | 482  | 579  | 672  | 934  | 532         | 686  | 830  | 964  | 1314  |
|                  | 70/55                                  | 242           | 302  | 360  | 416  | 576  | 308         | 389  | 467  | 541  | 749  | 430         | 553  | 668  | 775  | 1052  |
| 500              | 55/45                                  | 153           | 190  | 226  | 260  | 356  | 196         | 246  | 294  | 339  | 466  | 271         | 348  | 420  | 485  | 653   |
|                  | 90/70                                  | 475           | 597  | 713  | 828  | 1159 | 602         | 765  | 921  | 1072 | 1496 | 846         | 1093 | 1324 | 1540 | 2109  |
|                  | 75/65                                  | 374           | 469  | 559  | 647  | 901  | 475         | 602  | 724  | 840  | 1168 | 666         | 858  | 1038 | 1206 | 1643  |
| 600              | 70/55                                  | 302           | 378  | 450  | 519  | 720  | 385         | 486  | 583  | 676  | 936  | 537         | 692  | 835  | 969  | 1315  |
|                  | 55/45                                  | 191           | 238  | 282  | 325  | 445  | 245         | 308  | 368  | 424  | 583  | 339         | 436  | 524  | 607  | 816   |
|                  | 90/70                                  | 570           | 716  | 856  | 993  | 1390 | 722         | 918  | 1106 | 1287 | 1796 | 1016        | 1311 | 1588 | 1848 | 2531  |
| 700              | 75/65                                  | 449           | 562  | 671  | 776  | 1081 | 570         | 722  | 868  | 1008 | 1401 | 799         | 1030 | 1245 | 1447 | 1972  |
|                  | 70/55                                  | 363           | 453  | 540  | 623  | 864  | 462         | 584  | 700  | 811  | 1123 | 645         | 830  | 1002 | 1163 | 1578  |
|                  | 55/45                                  | 229           | 286  | 339  | 389  | 535  | 294         | 370  | 441  | 508  | 699  | 407         | 523  | 629  | 728  | 979   |
| 800              | 90/70                                  | 665           | 835  | 999  | 1159 | 1622 | 843         | 1071 | 1290 | 1501 | 2095 | 1185        | 1530 | 1853 | 2156 | 2953  |
|                  | 75/65                                  | 524           | 656  | 783  | 906  | 1261 | 665         | 843  | 1013 | 1176 | 1635 | 932         | 1201 | 1453 | 1688 | 2300  |
|                  | 70/55                                  | 423           | 529  | 630  | 727  | 1008 | 538         | 681  | 817  | 946  | 1310 | 752         | 968  | 1169 | 1357 | 1841  |
| 900              | 55/45                                  | 268           | 333  | 395  | 454  | 624  | 343         | 431  | 515  | 593  | 816  | 475         | 610  | 734  | 849  | 1142  |
|                  | 90/70                                  | 760           | 955  | 1142 | 1324 | 1854 | 963         | 1224 | 1474 | 1716 | 2394 | 1354        | 1749 | 2118 | 2464 | 3375  |
|                  | 75/65                                  | 598           | 750  | 894  | 1035 | 1442 | 760         | 963  | 1158 | 1344 | 1868 | 1065        | 1373 | 1660 | 1929 | 2629  |
| 1000             | 70/55                                  | 483           | 604  | 720  | 831  | 1152 | 615         | 778  | 933  | 1081 | 1497 | 859         | 1106 | 1336 | 1550 | 2104  |
|                  | 55/45                                  | 306           | 381  | 451  | 519  | 713  | 392         | 493  | 588  | 678  | 932  | 543         | 697  | 839  | 971  | 1305  |
|                  | 90/70                                  | 855           | 1074 | 1284 | 1490 | 2085 | 1083        | 1376 | 1658 | 1930 | 2693 | 1524        | 1967 | 2382 | 2772 | 3797  |
| 1100             | 75/65                                  | 673           | 843  | 1006 | 1165 | 1622 | 855         | 1084 | 1302 | 1512 | 2102 | 1198        | 1544 | 1868 | 2170 | 2957  |
|                  | 70/55                                  | 544           | 680  | 810  | 935  | 1296 | 692         | 875  | 1050 | 1216 | 1685 | 967         | 1245 | 1503 | 1744 | 2367  |
|                  | 55/45                                  | 344           | 428  | 508  | 584  | 802  | 440         | 554  | 662  | 763  | 1049 | 611         | 784  | 944  | 1092 | 1468  |
| 1200             | 90/70                                  | 950           | 1193 | 1427 | 1655 | 2317 | 1204        | 1529 | 1843 | 2145 | 2993 | 1693        | 2186 | 2647 | 3080 | 4219  |
|                  | 75/65                                  | 748           | 937  | 1118 | 1294 | 1802 | 950         | 1204 | 1447 | 1680 | 2335 | 1331        | 1716 | 2075 | 2411 | 3286  |
|                  | 70/55                                  | 604           | 755  | 899  | 1039 | 1440 | 769         | 973  | 1166 | 1351 | 1872 | 1074        | 1383 | 1670 | 1938 | 2630  |
| 1300             | 55/45                                  | 382           | 476  | 564  | 649  | 891  | 489         | 616  | 735  | 847  | 1165 | 679         | 871  | 1049 | 1213 | 1631  |
|                  | 90/70                                  | 1045          | 1313 | 1570 | 1821 | 2549 | 1324        | 1682 | 2027 | 2359 | 3292 | 1862        | 2404 | 2912 | 3389 | 4641  |
|                  | 75/65                                  | 823           | 1031 | 1230 | 1423 | 1982 | 1045        | 1324 | 1592 | 1848 | 2569 | 1464        | 1888 | 2283 | 2652 | 3615  |
| 1400             | 70/55                                  | 665           | 831  | 989  | 1143 | 1584 | 846         | 1070 | 1283 | 1486 | 2059 | 1182        | 1521 | 1837 | 2132 | 2893  |
|                  | 55/45                                  | 421           | 524  | 621  | 714  | 980  | 538         | 677  | 809  | 932  | 1282 | 746         | 958  | 1154 | 1335 | 1795  |
|                  | 90/70                                  | 1140          | 1432 | 1712 | 1986 | 2781 | 1445        | 1835 | 2211 | 2574 | 3591 | 2031        | 2623 | 3177 | 3697 | 5063  |
| 1500             | 75/65                                  | 898           | 1124 | 1342 | 1553 | 2162 | 1140        | 1445 | 1736 | 2016 | 2802 | 1597        | 2059 | 2490 | 2893 | 3943  |
|                  | 70/55                                  | 725           | 906  | 1079 | 1247 | 1728 | 923         | 1167 | 1400 | 1622 | 2246 | 1289        | 1660 | 2004 | 2326 | 3156  |
|                  | 55/45                                  | 459           | 571  | 677  | 779  | 1069 | 587         | 739  | 882  | 1017 | 1398 | 814         | 1045 | 1259 | 1456 | 1958  |
| 1600             | 90/70                                  | 1331          | 1671 | 1998 | 2318 | 3244 | 1685        | 2141 | 2580 | 3003 | 4190 | 2370        | 3060 | 3706 | 4313 | 5907  |
|                  | 75/65                                  | 1047          | 1312 | 1565 | 1812 | 2523 | 1330        | 1686 | 2026 | 2352 | 3269 | 1863        | 2402 | 2905 | 3375 | 4600  |
|                  | 70/55                                  | 846           | 1058 | 1259 | 1455 | 2016 | 1077        | 1362 | 1633 | 1892 | 2620 | 1504        | 1936 | 2338 | 2713 | 3682  |
| 1700             | 55/45                                  | 535           | 666  | 790  | 909  | 1247 | 685         | 862  | 1029 | 1186 | 1631 | 950         | 1220 | 1468 | 1699 | 2284  |
|                  | 90/70                                  | 1521          | 1909 | 2283 | 2649 | 3707 | 1926        | 2447 | 2948 | 3432 | 4788 | 2709        | 3497 | 4235 | 4929 | 6750  |
|                  | 75/65                                  | 1197          | 1499 | 1789 | 2070 | 2883 | 1520        | 1926 | 2315 | 2688 | 3736 | 2130        | 2746 | 3320 | 3858 | 5258  |
| 1800             | 70/55                                  | 967           | 1209 | 1439 | 1662 | 2304 | 1231        | 1556 | 1866 | 2162 | 2995 | 1719        | 2213 | 2672 | 3101 | 4208  |
|                  | 55/45                                  | 612           | 762  | 903  | 1038 | 1425 | 783         | 985  | 1176 | 1356 | 1864 | 1086        | 1394 | 1678 | 1942 | 2610  |
|                  | 90/70                                  | 1711          | 2148 | 2569 | 2980 | 4171 | 2167        | 2753 | 3317 | 3861 | 5387 | 3047        | 3934 | 4765 | 5545 | 7594  |
| 1900             | 75/65                                  | 1346          | 1687 | 2012 | 2329 | 3244 | 1710        | 2167 | 2605 | 3024 | 4203 | 2396        | 3089 | 3735 | 4340 | 5915  |
|                  | 70/55                                  | 1088          | 1360 | 1619 | 1870 | 2592 | 1385        | 1751 | 2100 | 2432 | 3369 | 1934        | 2489 | 3006 | 3488 | 4734  |
|                  | 55/45                                  | 688           | 857  | 1016 | 1168 | 1604 | 881         | 1109 | 1323 | 1525 | 2097 | 1221        | 1568 | 1888 | 2184 | 2936  |
| 2000             | 90/70                                  | 1901          | 2386 | 2854 | 3311 | 4634 | 2408        | 3059 | 3685 | 4290 | 5985 | 3386        | 4372 | 5294 | 6161 | 8438  |
|                  | 75/65                                  | 1496          | 1874 | 2236 | 2588 | 3604 | 1900        | 2408 | 2894 | 3360 | 4670 | 2662        | 3432 | 4150 | 4822 | 6572  |
|                  | 70/55                                  | 1208          | 1511 | 1799 | 2078 | 2880 | 1539        | 1946 | 2333 | 2703 | 3743 | 2148        | 2766 | 3340 | 3876 | 5260  |
| 2100             | 55/45                                  | 765           | 952  | 1129 | 1298 | 1782 | 979         | 1232 | 1470 | 1695 | 2330 | 1357        | 1742 | 2098 | 2427 | 3263  |
|                  | 90/70                                  | 2186          | 2744 | 3282 | 3807 | 5329 | 2769        | 3518 | 4238 | 4933 | 6883 | 3894        | 5027 | 6088 | 7085 | 9704  |
|                  | 75/65                                  | 1720          | 2155 | 2571 | 2976 | 4145 | 2185        | 2769 | 3328 | 3864 | 5371 | 3061        | 3947 | 4773 | 5545 | 7558  |
| 2200             | 70/55                                  | 1390          | 1737 | 2069 | 2390 | 3312 | 1769        | 2237 | 2683 | 3108 | 4305 | 2471        | 3181 | 3841 | 4457 | 6048  |
|                  | 55/45                                  | 879           | 1095 | 1298 | 1493 | 2049 | 1126        | 1417 | 1691 | 1949 | 2680 | 1561        | 2003 | 2412 | 2791 | 3752  |
|                  | 90/70                                  | 2471          | 3102 | 3710 | 4304 | 6025 | 3130        | 3977 | 4791 | 5577 | 7781 | 4401        | 5683 | 6883 | 8009 | 10969 |
| 2300             | 75/65                                  | 1945          | 2436 | 2907 | 3364 | 4685 | 2470        | 3130 | 3762 | 4368 | 6071 | 3461        | 4462 | 5395 | 6269 | 8544  |
|                  | 70/55                                  | 1571          | 1964 | 2339 | 2701 | 3744 | 2000        | 2529 | 3033 | 3513 | 4866 | 2793        | 3596 | 4342 | 5039 | 6837  |
|                  | 55/45                                  | 994           | 1238 | 1467 | 1687 | 2316 | 1272        | 1601 | 1911 | 2203 | 3029 | 1764        | 2265 | 2727 | 3155 | 4242  |
| 2400             | 90/70                                  | 2851          | 3580 | 4281 | 4966 | 6951 | 3611        | 4588 | 5528 | 6434 | 8978 | 5079        | 6557 | 7941 | 9241 | 12657 |
|                  | 75/65                                  | 2244          | 2811 | 3354 | 3882 | 5406 | 2850        | 3612 | 4341 | 5040 | 7005 | 3993        | 5148 | 6225 | 7233 | 9858  |
|                  | 70/55                                  | 1813          | 2266 | 2698 | 3117 | 4321 | 2308        | 2918 | 3499 | 4054 | 5615 | 3223        | 4149 | 5010 | 5814 | 7889  |
| 2500             | 55/45                                  | 1147          | 1428 | 1693 | 1947 | 2673 | 1468        | 1848 | 2205 | 2542 | 3495 | 2036        | 2613 | 3146 | 3640 | 4894  |



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 10 VKM   |      |      |      |      | Type 11 VKM |      |      |      |      | Type 20 VKM |      |      |      |      |
|------------------|----------------------------------------|---------------|------|------|------|------|-------------|------|------|------|------|-------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |             |      |      |      |      |             |      |      |      |      |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 182           | 231  | 278  | 323  | 449  | 257         | 330  | 403  | 476  | 698  | 304         | 380  | 454  | 525  | 734  |
|                  | 75/65                                  | 142           | 181  | 217  | 252  | 349  | 203         | 259  | 315  | 371  | 543  | 238         | 297  | 354  | 409  | 569  |
|                  | 70/55                                  | 114           | 145  | 174  | 202  | 278  | 164         | 209  | 253  | 297  | 433  | 191         | 238  | 284  | 327  | 452  |
| 500              | 55/45                                  | 71            | 90   | 107  | 124  | 170  | 103         | 130  | 157  | 183  | 265  | 118         | 147  | 175  | 201  | 275  |
|                  | 90/70                                  | 227           | 289  | 347  | 404  | 562  | 321         | 413  | 504  | 595  | 872  | 380         | 476  | 567  | 656  | 917  |
|                  | 75/65                                  | 178           | 226  | 271  | 315  | 437  | 253         | 324  | 394  | 464  | 678  | 297         | 372  | 443  | 512  | 711  |
| 600              | 70/55                                  | 143           | 181  | 217  | 252  | 348  | 204         | 261  | 316  | 371  | 541  | 239         | 298  | 354  | 409  | 566  |
|                  | 55/45                                  | 89            | 112  | 134  | 155  | 213  | 128         | 163  | 196  | 228  | 331  | 148         | 184  | 219  | 252  | 344  |
|                  | 90/70                                  | 273           | 346  | 417  | 485  | 674  | 385         | 495  | 604  | 714  | 1047 | 456         | 571  | 681  | 788  | 1100 |
| 700              | 75/65                                  | 213           | 271  | 325  | 378  | 524  | 304         | 389  | 473  | 557  | 814  | 357         | 446  | 531  | 614  | 853  |
|                  | 70/55                                  | 171           | 217  | 261  | 302  | 418  | 245         | 313  | 379  | 445  | 649  | 286         | 357  | 425  | 491  | 679  |
|                  | 55/45                                  | 106           | 134  | 161  | 186  | 255  | 154         | 195  | 235  | 274  | 398  | 177         | 221  | 262  | 302  | 413  |
| 800              | 90/70                                  | 318           | 404  | 486  | 566  | 787  | 450         | 578  | 705  | 833  | 1221 | 532         | 666  | 794  | 919  | 1284 |
|                  | 75/65                                  | 249           | 316  | 380  | 441  | 611  | 354         | 454  | 552  | 649  | 949  | 416         | 520  | 620  | 716  | 995  |
|                  | 70/55                                  | 200           | 253  | 304  | 353  | 487  | 286         | 365  | 443  | 519  | 758  | 334         | 417  | 496  | 573  | 792  |
| 900              | 55/45                                  | 124           | 157  | 188  | 217  | 298  | 180         | 228  | 274  | 320  | 464  | 207         | 258  | 306  | 352  | 482  |
|                  | 90/70                                  | 364           | 462  | 556  | 647  | 899  | 514         | 660  | 806  | 952  | 1395 | 608         | 761  | 907  | 1050 | 1467 |
|                  | 75/65                                  | 285           | 361  | 434  | 504  | 699  | 405         | 519  | 631  | 742  | 1085 | 476         | 595  | 708  | 819  | 1137 |
| 1000             | 70/55                                  | 228           | 289  | 347  | 403  | 557  | 327         | 417  | 506  | 594  | 866  | 382         | 477  | 567  | 655  | 905  |
|                  | 55/45                                  | 142           | 179  | 214  | 248  | 341  | 206         | 261  | 314  | 365  | 530  | 237         | 295  | 350  | 403  | 551  |
|                  | 90/70                                  | 409           | 520  | 625  | 727  | 1011 | 578         | 743  | 907  | 1071 | 1570 | 684         | 856  | 1021 | 1182 | 1651 |
| 1100             | 75/65                                  | 320           | 406  | 488  | 567  | 786  | 456         | 583  | 709  | 835  | 1221 | 535         | 669  | 797  | 921  | 1280 |
|                  | 70/55                                  | 257           | 326  | 391  | 454  | 627  | 368         | 470  | 569  | 668  | 974  | 429         | 536  | 638  | 737  | 1018 |
|                  | 55/45                                  | 159           | 201  | 241  | 279  | 383  | 231         | 293  | 353  | 411  | 596  | 266         | 332  | 393  | 453  | 620  |
| 1200             | 90/70                                  | 454           | 577  | 695  | 808  | 1124 | 642         | 826  | 1007 | 1190 | 1744 | 760         | 951  | 1134 | 1313 | 1834 |
|                  | 75/65                                  | 356           | 451  | 542  | 630  | 873  | 506         | 648  | 788  | 928  | 1356 | 595         | 743  | 885  | 1024 | 1422 |
|                  | 70/55                                  | 285           | 362  | 434  | 504  | 696  | 409         | 522  | 632  | 742  | 1082 | 477         | 596  | 709  | 818  | 1131 |
| 1300             | 55/45                                  | 177           | 224  | 268  | 310  | 426  | 257         | 326  | 392  | 457  | 663  | 296         | 368  | 437  | 504  | 688  |
|                  | 90/70                                  | 500           | 635  | 764  | 889  | 1236 | 707         | 908  | 1108 | 1309 | 1919 | 836         | 1046 | 1248 | 1444 | 2017 |
|                  | 75/65                                  | 391           | 497  | 596  | 693  | 960  | 557         | 713  | 867  | 1021 | 1492 | 654         | 818  | 974  | 1126 | 1564 |
| 1400             | 70/55                                  | 314           | 398  | 478  | 554  | 766  | 450         | 574  | 696  | 816  | 1190 | 525         | 655  | 780  | 900  | 1244 |
|                  | 55/45                                  | 195           | 246  | 295  | 341  | 468  | 283         | 358  | 431  | 502  | 729  | 325         | 405  | 481  | 554  | 757  |
|                  | 90/70                                  | 545           | 693  | 833  | 970  | 1348 | 771         | 991  | 1209 | 1428 | 2093 | 912         | 1141 | 1361 | 1576 | 2201 |
| 1500             | 75/65                                  | 427           | 542  | 651  | 756  | 1048 | 608         | 778  | 946  | 1113 | 1628 | 714         | 892  | 1062 | 1228 | 1706 |
|                  | 70/55                                  | 343           | 434  | 521  | 605  | 835  | 491         | 626  | 759  | 890  | 1299 | 573         | 715  | 851  | 982  | 1357 |
|                  | 55/45                                  | 212           | 269  | 322  | 372  | 511  | 308         | 391  | 470  | 548  | 795  | 355         | 442  | 525  | 604  | 826  |
| 1600             | 90/70                                  | 636           | 808  | 972  | 1132 | 1573 | 899         | 1156 | 1410 | 1666 | 2442 | 1064        | 1332 | 1588 | 1838 | 2568 |
|                  | 75/65                                  | 498           | 632  | 759  | 882  | 1222 | 709         | 908  | 1103 | 1299 | 1899 | 833         | 1041 | 1240 | 1433 | 1990 |
|                  | 70/55                                  | 400           | 507  | 608  | 706  | 975  | 572         | 731  | 885  | 1039 | 1515 | 668         | 834  | 992  | 1146 | 1584 |
| 1700             | 55/45                                  | 248           | 313  | 375  | 434  | 596  | 360         | 456  | 549  | 639  | 928  | 414         | 516  | 612  | 705  | 964  |
|                  | 90/70                                  | 727           | 924  | 1111 | 1293 | 1798 | 1028        | 1321 | 1612 | 1904 | 2791 | 1216        | 1522 | 1815 | 2101 | 2934 |
|                  | 75/65                                  | 569           | 722  | 868  | 1008 | 1397 | 810         | 1037 | 1261 | 1485 | 2170 | 952         | 1189 | 1417 | 1638 | 2275 |
| 1800             | 70/55                                  | 457           | 579  | 695  | 807  | 1114 | 654         | 835  | 1012 | 1187 | 1732 | 763         | 953  | 1134 | 1310 | 1810 |
|                  | 55/45                                  | 283           | 358  | 429  | 496  | 681  | 411         | 521  | 627  | 731  | 1060 | 473         | 589  | 699  | 806  | 1101 |
|                  | 90/70                                  | 818           | 1039 | 1250 | 1455 | 2023 | 1156        | 1486 | 1813 | 2142 | 3140 | 1368        | 1712 | 2042 | 2363 | 3301 |
| 1900             | 75/65                                  | 640           | 812  | 976  | 1134 | 1572 | 911         | 1167 | 1419 | 1670 | 2441 | 1070        | 1338 | 1594 | 1842 | 2559 |
|                  | 70/55                                  | 514           | 651  | 782  | 907  | 1253 | 736         | 939  | 1138 | 1336 | 1948 | 859         | 1072 | 1276 | 1473 | 2036 |
|                  | 55/45                                  | 319           | 403  | 482  | 558  | 766  | 463         | 586  | 705  | 822  | 1193 | 532         | 663  | 787  | 906  | 1239 |
| 2000             | 90/70                                  | 909           | 1155 | 1389 | 1617 | 2247 | 1285        | 1651 | 2015 | 2380 | 3489 | 1520        | 1902 | 2269 | 2626 | 3668 |
|                  | 75/65                                  | 711           | 903  | 1085 | 1260 | 1746 | 1013        | 1297 | 1576 | 1856 | 2713 | 1189        | 1487 | 1771 | 2047 | 2843 |
|                  | 70/55                                  | 571           | 724  | 868  | 1008 | 1392 | 818         | 1044 | 1265 | 1484 | 2164 | 954         | 1192 | 1418 | 1637 | 2262 |
| 2100             | 55/45                                  | 354           | 448  | 536  | 621  | 851  | 514         | 651  | 784  | 913  | 1325 | 591         | 737  | 874  | 1007 | 1377 |
|                  | 90/70                                  | 1045          | 1328 | 1598 | 1859 | 2585 | 1478        | 1899 | 2317 | 2737 | 4012 | 1748        | 2188 | 2609 | 3020 | 4218 |
|                  | 75/65                                  | 818           | 1038 | 1247 | 1450 | 2008 | 1165        | 1491 | 1813 | 2134 | 3120 | 1368        | 1710 | 2036 | 2354 | 3270 |
| 2200             | 70/55                                  | 657           | 832  | 999  | 1159 | 1601 | 940         | 1200 | 1454 | 1707 | 2489 | 1097        | 1370 | 1630 | 1882 | 2602 |
|                  | 55/45                                  | 407           | 515  | 616  | 714  | 979  | 591         | 749  | 901  | 1050 | 1524 | 680         | 847  | 1005 | 1158 | 1583 |
|                  | 90/70                                  | 1182          | 1501 | 1806 | 2102 | 2922 | 1670        | 2146 | 2619 | 3094 | 4535 | 1976        | 2473 | 2949 | 3414 | 4768 |
| 2300             | 75/65                                  | 925           | 1174 | 1410 | 1639 | 2270 | 1316        | 1686 | 2049 | 2412 | 3527 | 1546        | 1933 | 2302 | 2661 | 3696 |
|                  | 70/55                                  | 742           | 941  | 1129 | 1311 | 1810 | 1063        | 1357 | 1644 | 1929 | 2814 | 1241        | 1549 | 1843 | 2128 | 2941 |
|                  | 55/45                                  | 460           | 582  | 697  | 807  | 1107 | 668         | 847  | 1019 | 1187 | 1723 | 769         | 958  | 1137 | 1309 | 1790 |
| 2400             | 90/70                                  | 1363          | 1732 | 2084 | 2425 | 3371 | 1927        | 2477 | 3022 | 3570 | 5233 | 2280        | 2854 | 3403 | 3939 | 5502 |
|                  | 75/65                                  | 1067          | 1354 | 1627 | 1891 | 2619 | 1519        | 1945 | 2365 | 2783 | 4069 | 1784        | 2230 | 2656 | 3071 | 4265 |
|                  | 70/55                                  | 856           | 1086 | 1303 | 1512 | 2089 | 1227        | 1566 | 1897 | 2226 | 3247 | 1431        | 1787 | 2126 | 2455 | 3394 |
| 2500             | 55/45                                  | 531           | 671  | 804  | 931  | 1277 | 771         | 977  | 1176 | 1370 | 1988 | 887         | 1105 | 1312 | 1511 | 2065 |



**RADIK® VKM**

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 21 VKM   |      |      |      |      | Type 22 VKM |      |      |      |      | Type 33 VKM |      |      |      |       |
|------------------|----------------------------------------|---------------|------|------|------|------|-------------|------|------|------|------|-------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |             |      |      |      |      |             |      |      |      |       |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900  | 300         | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 364           | 456  | 545  | 633  | 885  | 461         | 585  | 705  | 820  | 1143 | 648         | 836  | 1012 | 1177 | 1611  |
|                  | 75/65                                  | 284           | 355  | 423  | 490  | 681  | 360         | 456  | 548  | 636  | 884  | 504         | 650  | 786  | 913  | 1243  |
|                  | 70/55                                  | 227           | 283  | 337  | 389  | 539  | 289         | 365  | 438  | 507  | 701  | 403         | 519  | 626  | 727  | 985   |
| 500              | 55/45                                  | 140           | 174  | 206  | 237  | 324  | 179         | 225  | 268  | 309  | 424  | 248         | 318  | 383  | 442  | 594   |
|                  | 90/70                                  | 455           | 570  | 682  | 791  | 1106 | 576         | 731  | 881  | 1025 | 1429 | 809         | 1045 | 1265 | 1472 | 2014  |
|                  | 75/65                                  | 354           | 444  | 529  | 612  | 852  | 450         | 571  | 685  | 795  | 1104 | 631         | 813  | 982  | 1141 | 1554  |
| 600              | 70/55                                  | 284           | 354  | 422  | 487  | 674  | 361         | 457  | 547  | 633  | 876  | 504         | 649  | 783  | 908  | 1231  |
|                  | 55/45                                  | 175           | 217  | 257  | 296  | 405  | 224         | 281  | 335  | 386  | 530  | 310         | 397  | 478  | 553  | 742   |
|                  | 90/70                                  | 545           | 684  | 818  | 949  | 1327 | 691         | 878  | 1057 | 1230 | 1715 | 971         | 1254 | 1518 | 1766 | 2416  |
| 700              | 75/65                                  | 425           | 533  | 635  | 735  | 1022 | 541         | 685  | 822  | 954  | 1325 | 757         | 975  | 1179 | 1369 | 1864  |
|                  | 70/55                                  | 340           | 425  | 506  | 584  | 809  | 434         | 548  | 657  | 760  | 1052 | 605         | 778  | 940  | 1090 | 1477  |
|                  | 55/45                                  | 210           | 261  | 309  | 355  | 486  | 268         | 338  | 402  | 464  | 636  | 372         | 477  | 574  | 664  | 891   |
| 800              | 90/70                                  | 636           | 799  | 955  | 1107 | 1548 | 806         | 1024 | 1233 | 1435 | 2000 | 1133        | 1463 | 1771 | 2060 | 2819  |
|                  | 75/65                                  | 496           | 621  | 741  | 857  | 1192 | 631         | 799  | 960  | 1113 | 1546 | 883         | 1138 | 1375 | 1598 | 2175  |
|                  | 70/55                                  | 397           | 496  | 590  | 681  | 943  | 506         | 639  | 766  | 887  | 1227 | 706         | 908  | 1096 | 1271 | 1723  |
| 900              | 55/45                                  | 244           | 304  | 360  | 414  | 567  | 313         | 394  | 470  | 541  | 742  | 434         | 556  | 670  | 774  | 1039  |
|                  | 90/70                                  | 727           | 913  | 1091 | 1265 | 1769 | 922         | 1170 | 1409 | 1640 | 2286 | 1295        | 1672 | 2024 | 2355 | 3222  |
|                  | 75/65                                  | 567           | 710  | 847  | 980  | 1363 | 721         | 913  | 1097 | 1272 | 1767 | 1009        | 1300 | 1572 | 1826 | 2486  |
| 1000             | 70/55                                  | 454           | 567  | 675  | 779  | 1078 | 578         | 731  | 875  | 1013 | 1402 | 806         | 1038 | 1253 | 1453 | 1969  |
|                  | 55/45                                  | 279           | 347  | 412  | 473  | 648  | 358         | 450  | 537  | 618  | 849  | 496         | 636  | 765  | 885  | 1187  |
|                  | 90/70                                  | 818           | 1027 | 1227 | 1423 | 1990 | 1037        | 1317 | 1586 | 1845 | 2572 | 1457        | 1881 | 2277 | 2649 | 3625  |
| 1100             | 75/65                                  | 638           | 799  | 953  | 1102 | 1533 | 811         | 1027 | 1234 | 1432 | 1988 | 1135        | 1463 | 1768 | 2054 | 2796  |
|                  | 70/55                                  | 510           | 638  | 759  | 876  | 1213 | 650         | 822  | 985  | 1140 | 1578 | 907         | 1168 | 1409 | 1635 | 2215  |
|                  | 55/45                                  | 314           | 391  | 463  | 532  | 729  | 403         | 506  | 604  | 695  | 955  | 558         | 715  | 861  | 995  | 1336  |
| 1200             | 90/70                                  | 909           | 1141 | 1364 | 1581 | 2211 | 1152        | 1463 | 1762 | 2050 | 2858 | 1619        | 2090 | 2530 | 2943 | 4027  |
|                  | 75/65                                  | 709           | 888  | 1059 | 1225 | 1703 | 901         | 1141 | 1371 | 1591 | 2209 | 1261        | 1625 | 1965 | 2282 | 3107  |
|                  | 70/55                                  | 567           | 709  | 843  | 973  | 1348 | 723         | 913  | 1094 | 1267 | 1753 | 1008        | 1297 | 1566 | 1816 | 2462  |
| 1300             | 55/45                                  | 349           | 434  | 515  | 591  | 810  | 447         | 563  | 671  | 773  | 1061 | 619         | 795  | 956  | 1106 | 1484  |
|                  | 90/70                                  | 1000          | 1255 | 1500 | 1739 | 2432 | 1267        | 1609 | 1938 | 2255 | 3143 | 1781        | 2299 | 2783 | 3238 | 4430  |
|                  | 75/65                                  | 780           | 976  | 1164 | 1347 | 1874 | 991         | 1255 | 1508 | 1750 | 2430 | 1387        | 1788 | 2161 | 2511 | 3418  |
| 1400             | 70/55                                  | 624           | 779  | 928  | 1071 | 1482 | 795         | 1004 | 1204 | 1393 | 1928 | 1109        | 1427 | 1723 | 1998 | 2708  |
|                  | 55/45                                  | 384           | 478  | 566  | 650  | 891  | 492         | 619  | 738  | 850  | 1167 | 681         | 874  | 1052 | 1217 | 1633  |
|                  | 90/70                                  | 1091          | 1369 | 1636 | 1898 | 2654 | 1382        | 1755 | 2114 | 2459 | 3429 | 1943        | 2508 | 3036 | 3532 | 4833  |
| 1500             | 75/65                                  | 851           | 1065 | 1270 | 1469 | 2044 | 1081        | 1369 | 1645 | 1909 | 2651 | 1513        | 1951 | 2358 | 2739 | 3729  |
|                  | 70/55                                  | 681           | 850  | 1012 | 1168 | 1617 | 867         | 1096 | 1313 | 1520 | 2103 | 1210        | 1557 | 1879 | 2180 | 2954  |
|                  | 55/45                                  | 419           | 521  | 617  | 710  | 972  | 537         | 675  | 805  | 927  | 1273 | 743         | 954  | 1148 | 1327 | 1781  |
| 1600             | 90/70                                  | 1273          | 1597 | 1909 | 2214 | 3096 | 1613        | 2048 | 2466 | 2869 | 4001 | 2266        | 2926 | 3542 | 4121 | 5638  |
|                  | 75/65                                  | 993           | 1243 | 1482 | 1714 | 2385 | 1261        | 1598 | 1919 | 2227 | 3092 | 1766        | 2276 | 2751 | 3195 | 4350  |
|                  | 70/55                                  | 794           | 992  | 1181 | 1363 | 1887 | 1012        | 1278 | 1532 | 1774 | 2454 | 1411        | 1816 | 2192 | 2543 | 3446  |
| 1700             | 55/45                                  | 489           | 608  | 720  | 828  | 1134 | 626         | 788  | 939  | 1082 | 1485 | 867         | 1113 | 1339 | 1548 | 2078  |
|                  | 90/70                                  | 1454          | 1825 | 2182 | 2530 | 3538 | 1843        | 2341 | 2819 | 3279 | 4572 | 2590        | 3343 | 4048 | 4709 | 6444  |
|                  | 75/65                                  | 1134          | 1420 | 1694 | 1959 | 2725 | 1442        | 1826 | 2193 | 2545 | 3534 | 2018        | 2601 | 3144 | 3652 | 4971  |
| 1800             | 70/55                                  | 907           | 1134 | 1349 | 1558 | 2156 | 1156        | 1461 | 1751 | 2027 | 2805 | 1613        | 2076 | 2506 | 2906 | 3939  |
|                  | 55/45                                  | 559           | 695  | 823  | 946  | 1296 | 716         | 900  | 1073 | 1236 | 1697 | 991         | 1272 | 1530 | 1770 | 2375  |
|                  | 90/70                                  | 1636          | 2053 | 2455 | 2846 | 3980 | 2073        | 2633 | 3171 | 3689 | 5144 | 2914        | 3761 | 4554 | 5298 | 7249  |
| 1900             | 75/65                                  | 1276          | 1598 | 1905 | 2204 | 3066 | 1622        | 2054 | 2467 | 2863 | 3976 | 2270        | 2926 | 3537 | 4108 | 5593  |
|                  | 70/55                                  | 1021          | 1275 | 1518 | 1752 | 2426 | 1301        | 1644 | 1970 | 2280 | 3155 | 1814        | 2335 | 2819 | 3269 | 4431  |
|                  | 55/45                                  | 629           | 782  | 926  | 1064 | 1458 | 805         | 1013 | 1207 | 1391 | 1909 | 1115        | 1431 | 1722 | 1991 | 2672  |
| 2000             | 90/70                                  | 1818          | 2282 | 2727 | 3163 | 4423 | 2304        | 2926 | 3523 | 4099 | 5715 | 3238        | 4179 | 5060 | 5887 | 8055  |
|                  | 75/65                                  | 1418          | 1775 | 2117 | 2449 | 3407 | 1802        | 2282 | 2742 | 3181 | 4418 | 2522        | 3251 | 3930 | 4565 | 6214  |
|                  | 70/55                                  | 1134          | 1417 | 1687 | 1947 | 2695 | 1445        | 1826 | 2189 | 2534 | 3506 | 2016        | 2595 | 3132 | 3633 | 4923  |
| 2100             | 55/45                                  | 699           | 869  | 1029 | 1183 | 1620 | 895         | 1125 | 1342 | 1545 | 2121 | 1239        | 1590 | 1913 | 2212 | 2968  |
|                  | 90/70                                  | 2091          | 2624 | 3136 | 3637 | 5086 | 2649        | 3365 | 4052 | 4714 | 6573 | 3723        | 4806 | 5819 | 6769 | 9263  |
|                  | 75/65                                  | 1631          | 2042 | 2435 | 2817 | 3918 | 2072        | 2625 | 3153 | 3658 | 5080 | 2901        | 3739 | 4519 | 5249 | 7146  |
| 2200             | 70/55                                  | 1304          | 1630 | 1939 | 2239 | 3099 | 1662        | 2100 | 2517 | 2914 | 4032 | 2318        | 2984 | 3602 | 4178 | 5662  |
|                  | 55/45                                  | 803           | 999  | 1183 | 1360 | 1863 | 1029        | 1294 | 1543 | 1777 | 2440 | 1425        | 1828 | 2200 | 2544 | 3414  |
|                  | 90/70                                  | 2363          | 2966 | 3546 | 4111 | 5749 | 2995        | 3803 | 4581 | 5329 | 7430 | 4209        | 5433 | 6578 | 7652 | 10471 |
| 2300             | 75/65                                  | 1843          | 2308 | 2752 | 3184 | 4429 | 2342        | 2967 | 3564 | 4136 | 5743 | 3279        | 4226 | 5109 | 5934 | 8079  |
|                  | 70/55                                  | 1475          | 1842 | 2192 | 2531 | 3504 | 1879        | 2374 | 2845 | 3294 | 4557 | 2621        | 3373 | 4072 | 4723 | 6400  |
|                  | 55/45                                  | 908           | 1129 | 1338 | 1537 | 2106 | 1163        | 1463 | 1744 | 2009 | 2758 | 1611        | 2067 | 2487 | 2876 | 3859  |
| 2400             | 90/70                                  | 2727          | 3422 | 4091 | 4744 | 6634 | 3456        | 4389 | 5285 | 6149 | 8573 | 4856        | 6269 | 7590 | 8830 | 12082 |
|                  | 75/65                                  | 2127          | 2663 | 3176 | 3674 | 5110 | 2703        | 3424 | 4112 | 4772 | 6626 | 3784        | 4876 | 5895 | 6847 | 9322  |
|                  | 70/55                                  | 1701          | 2126 | 2530 | 2920 | 4043 | 2168        | 2739 | 3283 | 3800 | 5259 | 3024        | 3892 | 4698 | 5449 | 7385  |
| 2500             | 55/45                                  | 1048          | 1303 | 1544 | 1774 | 2430 | 1342        | 1688 | 2012 | 2318 | 3182 | 1858        | 2385 | 2869 | 3318 | 4453  |



# RADIK® PLAN KLASIK, PLAN VK, PLAN VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 10 PLAN<br>Type 10 PLAN VK<br>Type 10 PLAN VKL |      |      |      |      | Type 11 PLAN<br>Type 11 PLAN VK<br>Type 11 PLAN VKL |      |      |      |      | Type 20 PLAN<br>Type 20 PLAN VK<br>Type 20 PLAN VKL |      |      |      |      |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |      |      |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 172                                                 | 219  | 263  | 307  | 443  | 297                                                 | 378  | 456  | 532  | 752  | 297                                                 | 368  | 437  | 505  | 716  |
|                  | 75/65                                  | 138                                                 | 176  | 212  | 248  | 356  | 241                                                 | 306  | 369  | 430  | 605  | 240                                                 | 297  | 352  | 408  | 576  |
|                  | 70/55                                  | 114                                                 | 146  | 176  | 206  | 295  | 200                                                 | 254  | 307  | 357  | 500  | 199                                                 | 246  | 292  | 338  | 476  |
| 500              | 55/45                                  | 76                                                  | 98   | 119  | 140  | 198  | 136                                                 | 173  | 208  | 242  | 336  | 134                                                 | 166  | 198  | 229  | 321  |
|                  | 90/70                                  | 215                                                 | 273  | 329  | 383  | 553  | 372                                                 | 473  | 570  | 665  | 941  | 371                                                 | 460  | 546  | 632  | 895  |
|                  | 75/65                                  | 173                                                 | 220  | 266  | 310  | 445  | 301                                                 | 383  | 462  | 538  | 757  | 299                                                 | 371  | 441  | 510  | 720  |
| 600              | 70/55                                  | 143                                                 | 182  | 220  | 258  | 368  | 250                                                 | 318  | 383  | 446  | 625  | 248                                                 | 308  | 365  | 423  | 596  |
|                  | 55/45                                  | 95                                                  | 122  | 149  | 175  | 248  | 170                                                 | 216  | 260  | 303  | 420  | 168                                                 | 208  | 247  | 286  | 401  |
|                  | 90/70                                  | 258                                                 | 328  | 395  | 460  | 664  | 446                                                 | 567  | 685  | 798  | 1129 | 445                                                 | 552  | 655  | 758  | 1074 |
| 700              | 75/65                                  | 207                                                 | 264  | 319  | 372  | 534  | 361                                                 | 459  | 554  | 645  | 908  | 359                                                 | 445  | 529  | 612  | 864  |
|                  | 70/55                                  | 171                                                 | 218  | 264  | 309  | 442  | 300                                                 | 381  | 460  | 536  | 750  | 298                                                 | 369  | 438  | 507  | 715  |
|                  | 55/45                                  | 114                                                 | 147  | 179  | 210  | 297  | 203                                                 | 259  | 312  | 364  | 504  | 201                                                 | 250  | 296  | 343  | 481  |
| 800              | 90/70                                  | 301                                                 | 383  | 460  | 536  | 774  | 520                                                 | 662  | 799  | 930  | 1317 | 519                                                 | 643  | 764  | 884  | 1253 |
|                  | 75/65                                  | 242                                                 | 308  | 372  | 434  | 623  | 421                                                 | 536  | 646  | 753  | 1060 | 419                                                 | 520  | 617  | 714  | 1008 |
|                  | 70/55                                  | 200                                                 | 255  | 308  | 361  | 515  | 350                                                 | 445  | 537  | 625  | 875  | 347                                                 | 431  | 511  | 592  | 834  |
| 900              | 55/45                                  | 134                                                 | 171  | 208  | 245  | 347  | 237                                                 | 302  | 364  | 424  | 588  | 235                                                 | 291  | 346  | 400  | 561  |
|                  | 90/70                                  | 345                                                 | 437  | 526  | 613  | 885  | 595                                                 | 757  | 913  | 1063 | 1505 | 593                                                 | 735  | 873  | 1011 | 1432 |
|                  | 75/65                                  | 277                                                 | 352  | 425  | 496  | 713  | 481                                                 | 612  | 738  | 860  | 1211 | 479                                                 | 594  | 705  | 816  | 1152 |
| 1000             | 70/55                                  | 228                                                 | 291  | 352  | 412  | 589  | 400                                                 | 508  | 613  | 714  | 1001 | 397                                                 | 492  | 584  | 676  | 953  |
|                  | 55/45                                  | 153                                                 | 196  | 238  | 280  | 396  | 271                                                 | 345  | 416  | 485  | 672  | 269                                                 | 333  | 395  | 458  | 641  |
|                  | 90/70                                  | 388                                                 | 492  | 592  | 690  | 996  | 669                                                 | 851  | 1027 | 1196 | 1693 | 667                                                 | 827  | 982  | 1137 | 1610 |
| 1100             | 75/65                                  | 311                                                 | 396  | 478  | 558  | 802  | 541                                                 | 689  | 831  | 968  | 1362 | 539                                                 | 668  | 793  | 918  | 1297 |
|                  | 70/55                                  | 257                                                 | 328  | 396  | 464  | 663  | 449                                                 | 572  | 690  | 804  | 1126 | 447                                                 | 554  | 657  | 761  | 1072 |
|                  | 55/45                                  | 172                                                 | 220  | 268  | 315  | 446  | 305                                                 | 388  | 468  | 546  | 756  | 302                                                 | 375  | 445  | 515  | 721  |
| 1200             | 90/70                                  | 431                                                 | 547  | 658  | 766  | 1106 | 743                                                 | 946  | 1141 | 1329 | 1881 | 742                                                 | 919  | 1091 | 1263 | 1789 |
|                  | 75/65                                  | 346                                                 | 440  | 531  | 620  | 891  | 601                                                 | 765  | 923  | 1075 | 1514 | 599                                                 | 742  | 881  | 1020 | 1441 |
|                  | 70/55                                  | 285                                                 | 364  | 440  | 515  | 736  | 499                                                 | 635  | 766  | 893  | 1251 | 496                                                 | 615  | 730  | 846  | 1191 |
| 1300             | 55/45                                  | 191                                                 | 245  | 298  | 350  | 495  | 339                                                 | 431  | 520  | 606  | 840  | 336                                                 | 416  | 494  | 572  | 801  |
|                  | 90/70                                  | 474                                                 | 602  | 724  | 843  | 1217 | 818                                                 | 1040 | 1255 | 1462 | 2069 | 816                                                 | 1011 | 1200 | 1390 | 1968 |
|                  | 75/65                                  | 380                                                 | 484  | 584  | 682  | 980  | 662                                                 | 842  | 1015 | 1183 | 1665 | 659                                                 | 816  | 969  | 1122 | 1585 |
| 1400             | 70/55                                  | 314                                                 | 400  | 484  | 567  | 810  | 549                                                 | 699  | 843  | 982  | 1376 | 546                                                 | 677  | 803  | 930  | 1310 |
|                  | 55/45                                  | 210                                                 | 269  | 327  | 385  | 545  | 373                                                 | 474  | 572  | 667  | 925  | 369                                                 | 458  | 543  | 629  | 881  |
|                  | 90/70                                  | 517                                                 | 656  | 789  | 920  | 1328 | 892                                                 | 1135 | 1369 | 1595 | 2257 | 890                                                 | 1103 | 1310 | 1516 | 2147 |
| 1500             | 75/65                                  | 415                                                 | 528  | 637  | 745  | 1069 | 722                                                 | 918  | 1108 | 1291 | 1816 | 719                                                 | 891  | 1057 | 1224 | 1729 |
|                  | 70/55                                  | 342                                                 | 437  | 528  | 619  | 884  | 599                                                 | 762  | 920  | 1072 | 1501 | 596                                                 | 738  | 877  | 1015 | 1429 |
|                  | 55/45                                  | 229                                                 | 294  | 357  | 420  | 594  | 407                                                 | 518  | 624  | 727  | 1009 | 403                                                 | 499  | 593  | 686  | 962  |
| 1600             | 90/70                                  | 603                                                 | 766  | 921  | 1073 | 1549 | 1041                                                | 1324 | 1597 | 1861 | 2634 | 1038                                                | 1287 | 1528 | 1769 | 2505 |
|                  | 75/65                                  | 484                                                 | 616  | 743  | 869  | 1247 | 842                                                 | 1071 | 1292 | 1506 | 2119 | 838                                                 | 1039 | 1234 | 1428 | 2017 |
|                  | 70/55                                  | 399                                                 | 510  | 616  | 722  | 1031 | 699                                                 | 889  | 1073 | 1250 | 1751 | 695                                                 | 861  | 1023 | 1184 | 1667 |
| 1700             | 55/45                                  | 267                                                 | 343  | 417  | 490  | 694  | 475                                                 | 604  | 729  | 849  | 1177 | 470                                                 | 583  | 692  | 801  | 1122 |
|                  | 90/70                                  | 689                                                 | 875  | 1052 | 1226 | 1770 | 1189                                                | 1513 | 1825 | 2127 | 3010 | 1187                                                | 1471 | 1746 | 2021 | 2863 |
|                  | 75/65                                  | 553                                                 | 704  | 850  | 993  | 1425 | 962                                                 | 1224 | 1477 | 1721 | 2422 | 958                                                 | 1188 | 1410 | 1632 | 2305 |
| 1800             | 70/55                                  | 456                                                 | 582  | 704  | 825  | 1178 | 799                                                 | 1016 | 1226 | 1429 | 2001 | 794                                                 | 984  | 1169 | 1353 | 1906 |
|                  | 55/45                                  | 305                                                 | 392  | 476  | 561  | 793  | 542                                                 | 690  | 833  | 970  | 1345 | 537                                                 | 666  | 791  | 915  | 1282 |
|                  | 90/70                                  | 775                                                 | 984  | 1184 | 1379 | 1991 | 1338                                                | 1702 | 2054 | 2393 | 3386 | 1335                                                | 1655 | 1964 | 2274 | 3221 |
| 1900             | 75/65                                  | 622                                                 | 792  | 956  | 1117 | 1603 | 1083                                                | 1377 | 1662 | 1936 | 2724 | 1078                                                | 1336 | 1586 | 1836 | 2593 |
|                  | 70/55                                  | 513                                                 | 655  | 792  | 928  | 1325 | 899                                                 | 1144 | 1380 | 1607 | 2251 | 893                                                 | 1107 | 1315 | 1522 | 2144 |
|                  | 55/45                                  | 343                                                 | 441  | 536  | 631  | 892  | 610                                                 | 776  | 937  | 1091 | 1513 | 604                                                 | 749  | 889  | 1030 | 1442 |
| 2000             | 90/70                                  | 861                                                 | 1094 | 1316 | 1533 | 2213 | 1487                                                | 1891 | 2282 | 2658 | 3762 | 1483                                                | 1839 | 2183 | 2527 | 3579 |
|                  | 75/65                                  | 691                                                 | 880  | 1062 | 1241 | 1781 | 1203                                                | 1530 | 1846 | 2151 | 3027 | 1198                                                | 1485 | 1762 | 2040 | 2881 |
|                  | 70/55                                  | 570                                                 | 728  | 880  | 1031 | 1473 | 999                                                 | 1271 | 1533 | 1786 | 2501 | 993                                                 | 1230 | 1461 | 1691 | 2382 |
| 2100             | 55/45                                  | 382                                                 | 490  | 595  | 701  | 991  | 678                                                 | 863  | 1041 | 1212 | 1681 | 671                                                 | 832  | 988  | 1144 | 1603 |
|                  | 90/70                                  | 991                                                 | 1258 | 1513 | 1763 | 2544 | 1710                                                | 2175 | 2624 | 3057 | 4327 | 1706                                                | 2114 | 2510 | 2906 | 4116 |
|                  | 75/65                                  | 795                                                 | 1013 | 1221 | 1427 | 2048 | 1383                                                | 1760 | 2123 | 2474 | 3481 | 1377                                                | 1707 | 2027 | 2346 | 3313 |
| 2200             | 70/55                                  | 656                                                 | 837  | 1012 | 1186 | 1694 | 1149                                                | 1461 | 1763 | 2054 | 2877 | 1142                                                | 1415 | 1680 | 1945 | 2739 |
|                  | 55/45                                  | 439                                                 | 563  | 684  | 806  | 1139 | 780                                                 | 992  | 1197 | 1394 | 1933 | 772                                                 | 957  | 1136 | 1316 | 1843 |
|                  | 90/70                                  | 1120                                                | 1422 | 1710 | 1993 | 2876 | 1933                                                | 2459 | 2966 | 3456 | 4891 | 1928                                                | 2390 | 2837 | 3285 | 4652 |
| 2300             | 75/65                                  | 899                                                 | 1145 | 1381 | 1613 | 2316 | 1564                                                | 1989 | 2400 | 2796 | 3935 | 1557                                                | 1930 | 2291 | 2652 | 3746 |
|                  | 70/55                                  | 741                                                 | 946  | 1144 | 1340 | 1914 | 1299                                                | 1652 | 1993 | 2322 | 3252 | 1290                                                | 1600 | 1899 | 2199 | 3097 |
|                  | 55/45                                  | 496                                                 | 637  | 774  | 911  | 1288 | 882                                                 | 1121 | 1353 | 1576 | 2185 | 873                                                 | 1082 | 1285 | 1487 | 2083 |
| 2400             | 90/70                                  | 1292                                                | 1641 | 1973 | 2299 | 3319 | 2230                                                | 2837 | 3423 | 3988 | 5644 | 2225                                                | 2758 | 3274 | 3790 | 5368 |
|                  | 75/65                                  | 1037                                                | 1321 | 1593 | 1861 | 2672 | 1804                                                | 2295 | 2769 | 3226 | 4541 | 1796                                                | 2227 | 2644 | 3060 | 4322 |
|                  | 70/55                                  | 855                                                 | 1092 | 1320 | 1546 | 2209 | 1498                                                | 1906 | 2299 | 2679 | 3752 | 1489                                                | 1846 | 2191 | 2537 | 3573 |
| 2500             | 55/45                                  | 572                                                 | 735  | 893  | 1051 | 1486 | 1017                                                | 1294 | 1561 | 1819 | 2521 | 1007                                                | 1248 | 1482 | 1716 | 2404 |



# RADIK® PLAN KLASIK, PLAN VK, PLAN VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 21 PLAN<br>Type 21 PLAN VK<br>Type 21 PLAN VKL |      |      |      |      | Type 22 PLAN<br>Type 22 PLAN VK<br>Type 22 PLAN VKL |      |      |      |      | Type 33 PLAN<br>Type 33 PLAN VK<br>Type 33 PLAN VKL |      |      |      |       |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |      |       |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 410                                                 | 506  | 599  | 692  | 974  | 535                                                 | 671  | 800  | 923  | 1272 | 758                                                 | 957  | 1144 | 1323 | 1845  |
|                  | 75/65                                  | 329                                                 | 406  | 481  | 555  | 778  | 430                                                 | 538  | 641  | 740  | 1019 | 607                                                 | 767  | 917  | 1062 | 1471  |
|                  | 70/55                                  | 272                                                 | 335  | 396  | 457  | 639  | 354                                                 | 444  | 529  | 610  | 838  | 500                                                 | 631  | 756  | 875  | 1206  |
|                  | 55/45                                  | 182                                                 | 224  | 265  | 305  | 424  | 237                                                 | 297  | 353  | 407  | 558  | 333                                                 | 421  | 505  | 585  | 797   |
| 500              | 90/70                                  | 513                                                 | 632  | 749  | 865  | 1218 | 669                                                 | 839  | 1000 | 1154 | 1590 | 947                                                 | 1196 | 1430 | 1654 | 2306  |
|                  | 75/65                                  | 412                                                 | 508  | 601  | 693  | 973  | 537                                                 | 673  | 802  | 925  | 1273 | 759                                                 | 958  | 1147 | 1327 | 1838  |
|                  | 70/55                                  | 340                                                 | 419  | 495  | 571  | 798  | 443                                                 | 555  | 661  | 762  | 1047 | 624                                                 | 789  | 945  | 1094 | 1507  |
|                  | 55/45                                  | 228                                                 | 280  | 331  | 381  | 529  | 297                                                 | 371  | 441  | 509  | 698  | 416                                                 | 526  | 631  | 731  | 996   |
| 600              | 90/70                                  | 615                                                 | 759  | 899  | 1038 | 1461 | 803                                                 | 1006 | 1200 | 1385 | 1908 | 1137                                                | 1435 | 1716 | 1985 | 2767  |
|                  | 75/65                                  | 494                                                 | 609  | 721  | 832  | 1167 | 645                                                 | 807  | 962  | 1110 | 1528 | 910                                                 | 1150 | 1376 | 1593 | 2206  |
|                  | 70/55                                  | 408                                                 | 503  | 594  | 685  | 958  | 532                                                 | 666  | 793  | 914  | 1257 | 749                                                 | 947  | 1134 | 1313 | 1808  |
|                  | 55/45                                  | 273                                                 | 336  | 397  | 457  | 635  | 356                                                 | 445  | 530  | 610  | 837  | 499                                                 | 632  | 757  | 878  | 1195  |
| 700              | 90/70                                  | 718                                                 | 885  | 1049 | 1211 | 1705 | 937                                                 | 1174 | 1400 | 1616 | 2227 | 1326                                                | 1674 | 2002 | 2316 | 3228  |
|                  | 75/65                                  | 577                                                 | 711  | 841  | 970  | 1362 | 752                                                 | 942  | 1123 | 1295 | 1783 | 1062                                                | 1341 | 1605 | 1858 | 2574  |
|                  | 70/55                                  | 476                                                 | 586  | 693  | 799  | 1118 | 620                                                 | 777  | 925  | 1067 | 1466 | 874                                                 | 1105 | 1323 | 1532 | 2110  |
|                  | 55/45                                  | 319                                                 | 392  | 464  | 533  | 741  | 415                                                 | 519  | 618  | 712  | 977  | 583                                                 | 737  | 883  | 1024 | 1394  |
| 800              | 90/70                                  | 820                                                 | 1012 | 1199 | 1384 | 1948 | 1071                                                | 1342 | 1600 | 1847 | 2545 | 1516                                                | 1913 | 2288 | 2647 | 3690  |
|                  | 75/65                                  | 659                                                 | 812  | 962  | 1109 | 1556 | 860                                                 | 1077 | 1283 | 1480 | 2037 | 1214                                                | 1533 | 1835 | 2124 | 2942  |
|                  | 70/55                                  | 544                                                 | 670  | 793  | 913  | 1278 | 709                                                 | 888  | 1057 | 1219 | 1676 | 999                                                 | 1262 | 1512 | 1750 | 2411  |
|                  | 55/45                                  | 365                                                 | 449  | 530  | 610  | 847  | 475                                                 | 594  | 706  | 814  | 1116 | 666                                                 | 842  | 1009 | 1170 | 1593  |
| 900              | 90/70                                  | 923                                                 | 1138 | 1349 | 1557 | 2192 | 1204                                                | 1509 | 1800 | 2078 | 2863 | 1705                                                | 2152 | 2574 | 2978 | 4151  |
|                  | 75/65                                  | 741                                                 | 914  | 1082 | 1248 | 1751 | 967                                                 | 1211 | 1443 | 1665 | 2292 | 1366                                                | 1725 | 2064 | 2389 | 3309  |
|                  | 70/55                                  | 612                                                 | 754  | 892  | 1028 | 1437 | 798                                                 | 998  | 1189 | 1372 | 1885 | 1124                                                | 1420 | 1700 | 1969 | 2712  |
|                  | 55/45                                  | 410                                                 | 505  | 596  | 686  | 953  | 534                                                 | 668  | 795  | 915  | 1256 | 749                                                 | 948  | 1136 | 1316 | 1792  |
| 1000             | 90/70                                  | 1025                                                | 1265 | 1498 | 1730 | 2435 | 1338                                                | 1677 | 2000 | 2308 | 3181 | 1894                                                | 2391 | 2860 | 3309 | 4612  |
|                  | 75/65                                  | 824                                                 | 1016 | 1202 | 1386 | 1945 | 1074                                                | 1346 | 1604 | 1850 | 2546 | 1517                                                | 1916 | 2293 | 2655 | 3677  |
|                  | 70/55                                  | 680                                                 | 838  | 991  | 1142 | 1597 | 886                                                 | 1109 | 1321 | 1524 | 2095 | 1249                                                | 1578 | 1889 | 2188 | 3014  |
|                  | 55/45                                  | 456                                                 | 561  | 662  | 762  | 1059 | 593                                                 | 742  | 883  | 1017 | 1395 | 832                                                 | 1053 | 1262 | 1463 | 1992  |
| 1100             | 90/70                                  | 1128                                                | 1391 | 1648 | 1902 | 2679 | 1472                                                | 1845 | 2200 | 2539 | 3499 | 2084                                                | 2630 | 3146 | 3640 | 5073  |
|                  | 75/65                                  | 906                                                 | 1117 | 1322 | 1525 | 2140 | 1182                                                | 1480 | 1764 | 2035 | 2801 | 1669                                                | 2108 | 2523 | 2920 | 4045  |
|                  | 70/55                                  | 748                                                 | 921  | 1090 | 1256 | 1757 | 975                                                 | 1220 | 1454 | 1676 | 2304 | 1374                                                | 1736 | 2078 | 2407 | 3315  |
|                  | 55/45                                  | 501                                                 | 617  | 728  | 838  | 1165 | 653                                                 | 816  | 971  | 1119 | 1535 | 916                                                 | 1158 | 1388 | 1609 | 2191  |
| 1200             | 90/70                                  | 1230                                                | 1518 | 1798 | 2075 | 2922 | 1606                                                | 2013 | 2400 | 2770 | 3817 | 2273                                                | 2870 | 3432 | 3970 | 5535  |
|                  | 75/65                                  | 988                                                 | 1219 | 1442 | 1664 | 2334 | 1289                                                | 1615 | 1924 | 2220 | 3056 | 1821                                                | 2300 | 2752 | 3185 | 4412  |
|                  | 70/55                                  | 816                                                 | 1005 | 1189 | 1370 | 1916 | 1063                                                | 1331 | 1586 | 1829 | 2514 | 1499                                                | 1894 | 2267 | 2625 | 3617  |
|                  | 55/45                                  | 547                                                 | 673  | 795  | 914  | 1271 | 712                                                 | 890  | 1059 | 1220 | 1674 | 999                                                 | 1263 | 1514 | 1755 | 2390  |
| 1400             | 90/70                                  | 1435                                                | 1771 | 2098 | 2421 | 3409 | 1874                                                | 2348 | 2799 | 3232 | 4453 | 2652                                                | 3348 | 4004 | 4632 | 6457  |
|                  | 75/65                                  | 1153                                                | 1422 | 1683 | 1941 | 2723 | 1504                                                | 1884 | 2245 | 2591 | 3565 | 2124                                                | 2683 | 3211 | 3716 | 5148  |
|                  | 70/55                                  | 952                                                 | 1173 | 1387 | 1598 | 2236 | 1241                                                | 1553 | 1850 | 2133 | 2933 | 1749                                                | 2209 | 2645 | 3063 | 4219  |
|                  | 55/45                                  | 638                                                 | 785  | 927  | 1067 | 1482 | 831                                                 | 1039 | 1236 | 1424 | 1953 | 1165                                                | 1474 | 1767 | 2048 | 2788  |
| 1600             | 90/70                                  | 1640                                                | 2024 | 2397 | 2767 | 3897 | 2141                                                | 2683 | 3199 | 3694 | 5089 | 3031                                                | 3826 | 4576 | 5294 | 7379  |
|                  | 75/65                                  | 1318                                                | 1625 | 1923 | 2218 | 3112 | 1719                                                | 2153 | 2566 | 2961 | 4074 | 2428                                                | 3066 | 3670 | 4247 | 5883  |
|                  | 70/55                                  | 1088                                                | 1340 | 1585 | 1827 | 2555 | 1418                                                | 1775 | 2114 | 2438 | 3352 | 1998                                                | 2525 | 3023 | 3501 | 4822  |
|                  | 55/45                                  | 729                                                 | 897  | 1059 | 1219 | 1694 | 949                                                 | 1187 | 1412 | 1627 | 2232 | 1332                                                | 1685 | 2019 | 2340 | 3187  |
| 1800             | 90/70                                  | 1845                                                | 2277 | 2697 | 3113 | 4384 | 2409                                                | 3019 | 3599 | 4155 | 5725 | 3410                                                | 4304 | 5148 | 5956 | 8302  |
|                  | 75/65                                  | 1483                                                | 1828 | 2164 | 2495 | 3501 | 1934                                                | 2422 | 2887 | 3331 | 4584 | 2731                                                | 3449 | 4128 | 4778 | 6618  |
|                  | 70/55                                  | 1224                                                | 1508 | 1783 | 2055 | 2874 | 1595                                                | 1997 | 2378 | 2743 | 3771 | 2248                                                | 2840 | 3401 | 3938 | 5425  |
|                  | 55/45                                  | 820                                                 | 1009 | 1192 | 1372 | 1906 | 1068                                                | 1336 | 1589 | 1831 | 2511 | 1498                                                | 1895 | 2271 | 2633 | 3585  |
| 2000             | 90/70                                  | 2050                                                | 2530 | 2997 | 3459 | 4871 | 2677                                                | 3354 | 3999 | 4617 | 6362 | 3789                                                | 4783 | 5720 | 6617 | 9224  |
|                  | 75/65                                  | 1647                                                | 2031 | 2404 | 2773 | 3890 | 2149                                                | 2692 | 3207 | 3701 | 5093 | 3035                                                | 3833 | 4587 | 5309 | 7354  |
|                  | 70/55                                  | 1360                                                | 1675 | 1981 | 2284 | 3194 | 1772                                                | 2219 | 2643 | 3048 | 4190 | 2498                                                | 3156 | 3779 | 4376 | 6028  |
|                  | 55/45                                  | 911                                                 | 1121 | 1324 | 1524 | 2118 | 1187                                                | 1484 | 1766 | 2034 | 2790 | 1665                                                | 2106 | 2524 | 2925 | 3983  |
| 2300             | 90/70                                  | 2358                                                | 2909 | 3446 | 3978 | 5601 | 3078                                                | 3857 | 4599 | 5310 | 7316 | 4357                                                | 5500 | 6579 | 7610 | 10608 |
|                  | 75/65                                  | 1894                                                | 2336 | 2765 | 3189 | 4474 | 2471                                                | 3095 | 3688 | 4256 | 5857 | 3490                                                | 4408 | 5275 | 6105 | 8457  |
|                  | 70/55                                  | 1563                                                | 1926 | 2278 | 2626 | 3673 | 2038                                                | 2552 | 3039 | 3505 | 4818 | 2873                                                | 3629 | 4346 | 5032 | 6932  |
|                  | 55/45                                  | 1048                                                | 1289 | 1523 | 1753 | 2435 | 1365                                                | 1707 | 2030 | 2339 | 3209 | 1915                                                | 2421 | 2902 | 3364 | 4581  |
| 2600             | 90/70                                  | 2665                                                | 3289 | 3896 | 4497 | 6332 | 3479                                                | 4360 | 5199 | 6002 | 8270 | 4926                                                | 6217 | 7437 | 8603 | 11992 |
|                  | 75/65                                  | 2142                                                | 2641 | 3125 | 3604 | 5057 | 2794                                                | 3499 | 4170 | 4811 | 6621 | 3945                                                | 4983 | 5963 | 6902 | 9560  |
|                  | 70/55                                  | 1767                                                | 2178 | 2576 | 2969 | 4152 | 2304                                                | 2885 | 3436 | 3962 | 5447 | 3247                                                | 4103 | 4913 | 5689 | 7836  |
|                  | 55/45                                  | 1185                                                | 1458 | 1722 | 1981 | 2753 | 1542                                                | 1929 | 2295 | 2644 | 3627 | 2164                                                | 2737 | 3281 | 3803 | 5178  |
| 3000             | 90/70                                  | 3075                                                | 3795 | 4495 | 5189 | 7306 | 4015                                                | 5031 | 5999 | 6925 | 9542 | 5683                                                | 7174 | 8581 | 9926 | 13836 |
|                  | 75/65                                  | 2471                                                | 3047 | 3606 | 4159 | 5835 | 3223                                                | 4037 | 4811 | 5551 | 7639 | 4552                                                | 5749 | 6880 | 7964 | 11031 |
|                  | 70/55                                  | 2039                                                | 2513 | 2972 | 3425 | 4791 | 2659                                                | 3328 | 3964 | 4572 | 6285 | 3747                                                | 4734 | 5668 | 6564 | 9041  |
|                  | 55/45                                  | 1367                                                | 1682 | 1986 | 2286 | 3177 | 1780                                                | 2226 | 2648 | 3051 | 4185 | 2497                                                | 3158 | 3786 | 4388 | 5975  |



# RADIK® PLAN KLASIK, PLAN VK, PLAN VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 10 PLAN<br>Type 10 PLAN VK<br>Type 10 PLAN VKL |      |      |      |      | Type 11 PLAN<br>Type 11 PLAN VK<br>Type 11 PLAN VKL |      |      |      |      | Type 20 PLAN<br>Type 20 PLAN VK<br>Type 20 PLAN VKL |      |      |      |      |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |      |      |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 155                                                 | 197  | 237  | 277  | 399  | 269                                                 | 342  | 412  | 480  | 678  | 268                                                 | 332  | 394  | 456  | 645  |
|                  | 75/65                                  | 122                                                 | 156  | 188  | 220  | 315  | 213                                                 | 271  | 327  | 381  | 535  | 212                                                 | 263  | 312  | 361  | 509  |
|                  | 70/55                                  | 99                                                  | 126  | 153  | 179  | 255  | 173                                                 | 221  | 266  | 310  | 433  | 172                                                 | 213  | 253  | 293  | 412  |
| 500              | 55/45                                  | 62                                                  | 80   | 98   | 115  | 162  | 112                                                 | 142  | 171  | 199  | 275  | 110                                                 | 137  | 162  | 188  | 262  |
|                  | 90/70                                  | 194                                                 | 246  | 297  | 346  | 499  | 336                                                 | 427  | 515  | 600  | 848  | 335                                                 | 415  | 493  | 570  | 806  |
|                  | 75/65                                  | 153                                                 | 195  | 235  | 275  | 394  | 267                                                 | 339  | 409  | 477  | 669  | 265                                                 | 329  | 390  | 452  | 637  |
| 600              | 70/55                                  | 123                                                 | 158  | 191  | 224  | 319  | 217                                                 | 276  | 333  | 388  | 541  | 215                                                 | 267  | 317  | 367  | 515  |
|                  | 55/45                                  | 78                                                  | 100  | 122  | 144  | 203  | 139                                                 | 177  | 214  | 249  | 344  | 138                                                 | 171  | 203  | 235  | 328  |
|                  | 90/70                                  | 233                                                 | 296  | 356  | 416  | 598  | 403                                                 | 513  | 618  | 721  | 1017 | 402                                                 | 498  | 591  | 684  | 968  |
| 700              | 75/65                                  | 183                                                 | 233  | 282  | 330  | 472  | 320                                                 | 407  | 491  | 572  | 802  | 318                                                 | 394  | 468  | 542  | 764  |
|                  | 70/55                                  | 148                                                 | 189  | 229  | 269  | 382  | 260                                                 | 331  | 399  | 465  | 649  | 258                                                 | 320  | 380  | 440  | 619  |
|                  | 55/45                                  | 93                                                  | 120  | 147  | 173  | 243  | 167                                                 | 213  | 257  | 299  | 413  | 165                                                 | 205  | 243  | 282  | 394  |
| 800              | 90/70                                  | 271                                                 | 345  | 416  | 485  | 698  | 470                                                 | 598  | 722  | 841  | 1187 | 469                                                 | 581  | 690  | 798  | 1129 |
|                  | 75/65                                  | 214                                                 | 272  | 329  | 385  | 551  | 373                                                 | 475  | 573  | 667  | 936  | 371                                                 | 460  | 546  | 632  | 891  |
|                  | 70/55                                  | 172                                                 | 221  | 267  | 313  | 446  | 304                                                 | 386  | 466  | 543  | 757  | 301                                                 | 374  | 443  | 513  | 722  |
| 900              | 55/45                                  | 109                                                 | 140  | 171  | 202  | 284  | 195                                                 | 248  | 300  | 349  | 481  | 193                                                 | 239  | 284  | 329  | 459  |
|                  | 90/70                                  | 310                                                 | 394  | 475  | 554  | 798  | 537                                                 | 684  | 825  | 961  | 1356 | 535                                                 | 664  | 788  | 912  | 1290 |
|                  | 75/65                                  | 244                                                 | 311  | 376  | 440  | 630  | 426                                                 | 542  | 654  | 762  | 1070 | 424                                                 | 526  | 624  | 722  | 1018 |
| 1000             | 70/55                                  | 197                                                 | 252  | 305  | 358  | 510  | 347                                                 | 441  | 533  | 620  | 866  | 344                                                 | 427  | 507  | 587  | 825  |
|                  | 55/45                                  | 125                                                 | 160  | 195  | 231  | 324  | 223                                                 | 284  | 342  | 399  | 550  | 220                                                 | 273  | 324  | 376  | 525  |
|                  | 90/70                                  | 349                                                 | 444  | 534  | 623  | 897  | 604                                                 | 769  | 928  | 1081 | 1526 | 602                                                 | 747  | 887  | 1026 | 1452 |
| 1100             | 75/65                                  | 275                                                 | 350  | 423  | 495  | 708  | 480                                                 | 610  | 736  | 858  | 1203 | 477                                                 | 591  | 702  | 813  | 1146 |
|                  | 70/55                                  | 222                                                 | 284  | 343  | 403  | 574  | 390                                                 | 497  | 599  | 698  | 974  | 387                                                 | 480  | 570  | 660  | 928  |
|                  | 55/45                                  | 140                                                 | 180  | 220  | 259  | 365  | 251                                                 | 319  | 385  | 449  | 619  | 248                                                 | 307  | 365  | 423  | 590  |
| 1200             | 90/70                                  | 388                                                 | 493  | 594  | 693  | 997  | 672                                                 | 854  | 1031 | 1201 | 1695 | 669                                                 | 830  | 985  | 1140 | 1613 |
|                  | 75/65                                  | 305                                                 | 389  | 470  | 550  | 787  | 533                                                 | 678  | 818  | 953  | 1337 | 530                                                 | 657  | 780  | 903  | 1273 |
|                  | 70/55                                  | 246                                                 | 315  | 382  | 448  | 637  | 434                                                 | 552  | 666  | 776  | 1082 | 430                                                 | 534  | 633  | 733  | 1031 |
| 1300             | 55/45                                  | 156                                                 | 200  | 244  | 288  | 406  | 279                                                 | 355  | 428  | 499  | 688  | 276                                                 | 342  | 406  | 470  | 656  |
|                  | 90/70                                  | 426                                                 | 542  | 653  | 762  | 1097 | 739                                                 | 940  | 1134 | 1321 | 1865 | 736                                                 | 913  | 1084 | 1254 | 1774 |
|                  | 75/65                                  | 336                                                 | 428  | 517  | 605  | 866  | 586                                                 | 746  | 900  | 1048 | 1471 | 583                                                 | 723  | 858  | 993  | 1400 |
| 1400             | 70/55                                  | 271                                                 | 347  | 420  | 493  | 701  | 477                                                 | 607  | 732  | 853  | 1190 | 473                                                 | 587  | 697  | 807  | 1134 |
|                  | 55/45                                  | 171                                                 | 220  | 269  | 317  | 446  | 307                                                 | 390  | 471  | 548  | 756  | 303                                                 | 376  | 446  | 517  | 722  |
|                  | 90/70                                  | 465                                                 | 591  | 712  | 831  | 1197 | 806                                                 | 1025 | 1237 | 1441 | 2034 | 803                                                 | 996  | 1182 | 1368 | 1935 |
| 1500             | 75/65                                  | 366                                                 | 467  | 564  | 660  | 944  | 640                                                 | 814  | 982  | 1144 | 1604 | 636                                                 | 788  | 936  | 1084 | 1528 |
|                  | 70/55                                  | 296                                                 | 378  | 458  | 537  | 765  | 520                                                 | 662  | 799  | 931  | 1299 | 517                                                 | 640  | 760  | 880  | 1237 |
|                  | 55/45                                  | 187                                                 | 241  | 293  | 346  | 487  | 335                                                 | 426  | 514  | 598  | 825  | 331                                                 | 410  | 487  | 564  | 787  |
| 1600             | 90/70                                  | 543                                                 | 690  | 831  | 970  | 1396 | 940                                                 | 1196 | 1443 | 1681 | 2373 | 937                                                 | 1162 | 1379 | 1596 | 2258 |
|                  | 75/65                                  | 427                                                 | 545  | 658  | 770  | 1102 | 746                                                 | 949  | 1145 | 1334 | 1872 | 742                                                 | 920  | 1092 | 1264 | 1782 |
|                  | 70/55                                  | 345                                                 | 441  | 534  | 627  | 892  | 607                                                 | 772  | 932  | 1086 | 1515 | 603                                                 | 747  | 887  | 1027 | 1443 |
| 1700             | 55/45                                  | 218                                                 | 281  | 342  | 404  | 568  | 390                                                 | 497  | 599  | 698  | 963  | 386                                                 | 478  | 568  | 657  | 918  |
|                  | 90/70                                  | 620                                                 | 789  | 950  | 1108 | 1595 | 1075                                                | 1367 | 1649 | 1921 | 2712 | 1071                                                | 1328 | 1576 | 1825 | 2581 |
|                  | 75/65                                  | 488                                                 | 622  | 752  | 880  | 1259 | 853                                                 | 1085 | 1309 | 1525 | 2139 | 848                                                 | 1051 | 1248 | 1445 | 2037 |
| 1800             | 70/55                                  | 394                                                 | 504  | 611  | 717  | 1020 | 694                                                 | 883  | 1065 | 1241 | 1731 | 689                                                 | 854  | 1014 | 1173 | 1649 |
|                  | 55/45                                  | 249                                                 | 321  | 391  | 461  | 649  | 446                                                 | 568  | 685  | 798  | 1100 | 441                                                 | 547  | 649  | 751  | 1050 |
|                  | 90/70                                  | 698                                                 | 887  | 1069 | 1247 | 1795 | 1209                                                | 1538 | 1855 | 2162 | 3051 | 1205                                                | 1494 | 1773 | 2053 | 2903 |
| 1900             | 75/65                                  | 549                                                 | 700  | 846  | 990  | 1417 | 959                                                 | 1220 | 1472 | 1715 | 2407 | 954                                                 | 1183 | 1404 | 1625 | 2291 |
|                  | 70/55                                  | 443                                                 | 567  | 687  | 806  | 1147 | 781                                                 | 993  | 1198 | 1396 | 1948 | 775                                                 | 960  | 1140 | 1320 | 1856 |
|                  | 55/45                                  | 280                                                 | 361  | 440  | 519  | 730  | 502                                                 | 638  | 770  | 897  | 1238 | 496                                                 | 615  | 730  | 845  | 1181 |
| 2000             | 90/70                                  | 775                                                 | 986  | 1187 | 1385 | 1994 | 1343                                                | 1709 | 2062 | 2402 | 3390 | 1339                                                | 1659 | 1970 | 2281 | 3226 |
|                  | 75/65                                  | 610                                                 | 778  | 940  | 1100 | 1574 | 1066                                                | 1356 | 1636 | 1906 | 2674 | 1060                                                | 1314 | 1560 | 1806 | 2546 |
|                  | 70/55                                  | 493                                                 | 630  | 763  | 896  | 1275 | 867                                                 | 1103 | 1331 | 1551 | 2164 | 861                                                 | 1067 | 1267 | 1467 | 2062 |
| 2100             | 55/45                                  | 312                                                 | 401  | 489  | 577  | 811  | 558                                                 | 709  | 856  | 997  | 1375 | 551                                                 | 683  | 811  | 939  | 1312 |
|                  | 90/70                                  | 892                                                 | 1134 | 1365 | 1593 | 2293 | 1545                                                | 1965 | 2371 | 2762 | 3899 | 1540                                                | 1908 | 2266 | 2623 | 3710 |
|                  | 75/65                                  | 702                                                 | 895  | 1081 | 1265 | 1810 | 1226                                                | 1559 | 1881 | 2192 | 3075 | 1219                                                | 1511 | 1794 | 2077 | 2928 |
| 2200             | 70/55                                  | 567                                                 | 725  | 878  | 1030 | 1466 | 998                                                 | 1269 | 1531 | 1784 | 2489 | 990                                                 | 1227 | 1457 | 1687 | 2371 |
|                  | 55/45                                  | 358                                                 | 461  | 562  | 663  | 933  | 641                                                 | 816  | 984  | 1147 | 1582 | 634                                                 | 786  | 933  | 1080 | 1509 |
| 2300             | 90/70                                  | 1008                                                | 1281 | 1544 | 1801 | 2592 | 1746                                                | 2221 | 2680 | 3122 | 4407 | 1740                                                | 2157 | 2561 | 2965 | 4193 |
|                  | 75/65                                  | 793                                                 | 1011 | 1222 | 1430 | 2046 | 1386                                                | 1763 | 2127 | 2478 | 3476 | 1378                                                | 1708 | 2028 | 2348 | 3310 |
|                  | 70/55                                  | 640                                                 | 819  | 992  | 1164 | 1657 | 1128                                                | 1434 | 1731 | 2016 | 2813 | 1119                                                | 1387 | 1647 | 1907 | 2680 |
| 2400             | 55/45                                  | 405                                                 | 521  | 635  | 750  | 1054 | 725                                                 | 922  | 1113 | 1296 | 1788 | 716                                                 | 888  | 1055 | 1221 | 1706 |
|                  | 90/70                                  | 1163                                                | 1479 | 1781 | 2078 | 2991 | 2015                                                | 2563 | 3092 | 3603 | 5085 | 2008                                                | 2489 | 2955 | 3421 | 4839 |
|                  | 75/65                                  | 915                                                 | 1167 | 1410 | 1650 | 2361 | 1599                                                | 2034 | 2454 | 2859 | 4011 | 1590                                                | 1971 | 2340 | 2709 | 3819 |
| 2500             | 70/55                                  | 739                                                 | 945  | 1145 | 1344 | 1912 | 1301                                                | 1655 | 1997 | 2327 | 3246 | 1291                                                | 1601 | 1900 | 2200 | 3093 |
|                  | 55/45                                  | 467                                                 | 601  | 733  | 865  | 1217 | 837                                                 | 1064 | 1284 | 1496 | 2063 | 827                                                 | 1025 | 1217 | 1409 | 1968 |



# RADIK® PLAN KLASIK, PLAN VK, PLAN VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 21 PLAN<br>Type 21 PLAN VK<br>Type 21 PLAN VKL |      |      |      |      | Type 22 PLAN<br>Type 22 PLAN VK<br>Type 22 PLAN VKL |      |      |      |      | Type 33 PLAN<br>Type 33 PLAN VK<br>Type 33 PLAN VKL |      |      |      |       |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |      |       |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 369                                                 | 455  | 539  | 622  | 875  | 482                                                 | 604  | 720  | 831  | 1144 | 681                                                 | 860  | 1029 | 1191 | 1655  |
|                  | 75/65                                  | 291                                                 | 358  | 424  | 489  | 684  | 379                                                 | 475  | 566  | 652  | 897  | 535                                                 | 676  | 809  | 936  | 1292  |
|                  | 70/55                                  | 235                                                 | 289  | 342  | 394  | 550  | 306                                                 | 383  | 456  | 526  | 723  | 431                                                 | 545  | 652  | 756  | 1037  |
|                  | 55/45                                  | 149                                                 | 183  | 216  | 249  | 344  | 194                                                 | 242  | 288  | 332  | 454  | 271                                                 | 343  | 412  | 477  | 646   |
| 500              | 90/70                                  | 462                                                 | 569  | 674  | 778  | 1093 | 602                                                 | 755  | 900  | 1038 | 1430 | 852                                                 | 1075 | 1287 | 1489 | 2069  |
|                  | 75/65                                  | 364                                                 | 448  | 530  | 611  | 856  | 474                                                 | 594  | 707  | 816  | 1122 | 669                                                 | 845  | 1011 | 1171 | 1616  |
|                  | 70/55                                  | 294                                                 | 362  | 428  | 493  | 687  | 383                                                 | 479  | 570  | 658  | 903  | 539                                                 | 681  | 816  | 945  | 1296  |
|                  | 55/45                                  | 186                                                 | 229  | 270  | 311  | 430  | 242                                                 | 303  | 360  | 415  | 568  | 339                                                 | 429  | 515  | 597  | 808   |
| 600              | 90/70                                  | 554                                                 | 683  | 809  | 933  | 1312 | 723                                                 | 906  | 1079 | 1246 | 1716 | 1022                                                | 1290 | 1544 | 1786 | 2483  |
|                  | 75/65                                  | 436                                                 | 538  | 636  | 733  | 1027 | 569                                                 | 712  | 848  | 979  | 1346 | 802                                                 | 1013 | 1213 | 1405 | 1939  |
|                  | 70/55                                  | 353                                                 | 434  | 513  | 591  | 825  | 459                                                 | 575  | 685  | 789  | 1084 | 646                                                 | 817  | 979  | 1134 | 1555  |
|                  | 55/45                                  | 223                                                 | 275  | 324  | 373  | 516  | 291                                                 | 363  | 432  | 498  | 682  | 407                                                 | 515  | 618  | 716  | 970   |
| 700              | 90/70                                  | 646                                                 | 797  | 944  | 1089 | 1531 | 843                                                 | 1056 | 1259 | 1453 | 2001 | 1192                                                | 1505 | 1801 | 2084 | 2896  |
|                  | 75/65                                  | 509                                                 | 627  | 742  | 855  | 1198 | 664                                                 | 831  | 990  | 1142 | 1570 | 936                                                 | 1182 | 1415 | 1639 | 2262  |
|                  | 70/55                                  | 411                                                 | 507  | 599  | 690  | 962  | 536                                                 | 671  | 799  | 921  | 1265 | 754                                                 | 953  | 1142 | 1323 | 1814  |
|                  | 55/45                                  | 261                                                 | 320  | 378  | 435  | 602  | 339                                                 | 424  | 504  | 580  | 795  | 475                                                 | 601  | 720  | 836  | 1131  |
| 800              | 90/70                                  | 738                                                 | 911  | 1079 | 1244 | 1749 | 964                                                 | 1207 | 1439 | 1661 | 2287 | 1363                                                | 1720 | 2058 | 2382 | 3310  |
|                  | 75/65                                  | 582                                                 | 717  | 848  | 978  | 1369 | 758                                                 | 950  | 1131 | 1305 | 1794 | 1070                                                | 1351 | 1618 | 1873 | 2585  |
|                  | 70/55                                  | 470                                                 | 579  | 684  | 788  | 1100 | 613                                                 | 767  | 913  | 1052 | 1445 | 862                                                 | 1089 | 1305 | 1512 | 2073  |
|                  | 55/45                                  | 298                                                 | 366  | 432  | 497  | 688  | 388                                                 | 484  | 576  | 663  | 909  | 543                                                 | 687  | 823  | 955  | 1293  |
| 900              | 90/70                                  | 831                                                 | 1025 | 1213 | 1400 | 1968 | 1084                                                | 1358 | 1619 | 1869 | 2573 | 1533                                                | 1936 | 2316 | 2680 | 3724  |
|                  | 75/65                                  | 654                                                 | 806  | 954  | 1100 | 1540 | 853                                                 | 1068 | 1273 | 1468 | 2019 | 1203                                                | 1520 | 1820 | 2107 | 2908  |
|                  | 70/55                                  | 529                                                 | 651  | 770  | 887  | 1237 | 689                                                 | 862  | 1027 | 1184 | 1626 | 970                                                 | 1226 | 1468 | 1700 | 2333  |
|                  | 55/45                                  | 335                                                 | 412  | 486  | 559  | 774  | 436                                                 | 545  | 648  | 746  | 1023 | 610                                                 | 772  | 926  | 1074 | 1454  |
| 1000             | 90/70                                  | 923                                                 | 1139 | 1348 | 1556 | 2187 | 1205                                                | 1509 | 1799 | 2076 | 2859 | 1703                                                | 2151 | 2573 | 2977 | 4138  |
|                  | 75/65                                  | 727                                                 | 896  | 1060 | 1222 | 1711 | 948                                                 | 1187 | 1414 | 1631 | 2243 | 1337                                                | 1689 | 2022 | 2341 | 3231  |
|                  | 70/55                                  | 588                                                 | 724  | 855  | 985  | 1375 | 766                                                 | 958  | 1141 | 1315 | 1807 | 1077                                                | 1362 | 1631 | 1889 | 2592  |
|                  | 55/45                                  | 372                                                 | 458  | 540  | 621  | 861  | 484                                                 | 606  | 720  | 829  | 1136 | 678                                                 | 858  | 1029 | 1194 | 1616  |
| 1100             | 90/70                                  | 1015                                                | 1253 | 1483 | 1711 | 2405 | 1325                                                | 1660 | 1979 | 2284 | 3145 | 1874                                                | 2366 | 2830 | 3275 | 4551  |
|                  | 75/65                                  | 800                                                 | 986  | 1166 | 1344 | 1882 | 1043                                                | 1306 | 1555 | 1794 | 2467 | 1471                                                | 1858 | 2224 | 2575 | 3554  |
|                  | 70/55                                  | 646                                                 | 796  | 941  | 1084 | 1512 | 842                                                 | 1054 | 1255 | 1447 | 1987 | 1185                                                | 1498 | 1794 | 2078 | 2851  |
|                  | 55/45                                  | 410                                                 | 504  | 594  | 684  | 947  | 533                                                 | 666  | 792  | 912  | 1250 | 746                                                 | 944  | 1132 | 1313 | 1777  |
| 1200             | 90/70                                  | 1108                                                | 1366 | 1618 | 1867 | 2624 | 1446                                                | 1811 | 2159 | 2492 | 3431 | 2044                                                | 2581 | 3088 | 3573 | 4965  |
|                  | 75/65                                  | 872                                                 | 1075 | 1272 | 1466 | 2053 | 1138                                                | 1424 | 1697 | 1957 | 2692 | 1604                                                | 2027 | 2426 | 2809 | 3877  |
|                  | 70/55                                  | 705                                                 | 868  | 1027 | 1183 | 1650 | 919                                                 | 1150 | 1369 | 1578 | 2168 | 1293                                                | 1634 | 1957 | 2267 | 3110  |
|                  | 55/45                                  | 447                                                 | 549  | 648  | 746  | 1033 | 581                                                 | 727  | 864  | 995  | 1363 | 814                                                 | 1030 | 1235 | 1432 | 1939  |
| 1400             | 90/70                                  | 1292                                                | 1594 | 1888 | 2178 | 3061 | 1687                                                | 2113 | 2519 | 2907 | 4003 | 2385                                                | 3011 | 3602 | 4168 | 5793  |
|                  | 75/65                                  | 1018                                                | 1254 | 1484 | 1711 | 2395 | 1327                                                | 1662 | 1980 | 2283 | 3140 | 1872                                                | 2365 | 2831 | 3277 | 4523  |
|                  | 70/55                                  | 823                                                 | 1013 | 1198 | 1380 | 1925 | 1072                                                | 1342 | 1597 | 1841 | 2529 | 1508                                                | 1906 | 2284 | 2645 | 3628  |
|                  | 55/45                                  | 521                                                 | 641  | 756  | 870  | 1205 | 678                                                 | 848  | 1008 | 1161 | 1591 | 950                                                 | 1202 | 1441 | 1671 | 2262  |
| 1600             | 90/70                                  | 1477                                                | 1822 | 2157 | 2489 | 3499 | 1927                                                | 2415 | 2878 | 3322 | 4575 | 2725                                                | 3441 | 4117 | 4764 | 6620  |
|                  | 75/65                                  | 1163                                                | 1434 | 1696 | 1955 | 2738 | 1517                                                | 1899 | 2262 | 2610 | 3589 | 2139                                                | 2702 | 3235 | 3746 | 5170  |
|                  | 70/55                                  | 940                                                 | 1158 | 1369 | 1577 | 2200 | 1225                                                | 1533 | 1825 | 2104 | 2891 | 1724                                                | 2179 | 2610 | 3023 | 4147  |
|                  | 55/45                                  | 596                                                 | 733  | 864  | 994  | 1377 | 775                                                 | 969  | 1152 | 1327 | 1818 | 1085                                                | 1373 | 1647 | 1910 | 2585  |
| 1800             | 90/70                                  | 1662                                                | 2050 | 2427 | 2800 | 3936 | 2168                                                | 2717 | 3238 | 3737 | 5147 | 3066                                                | 3871 | 4632 | 5359 | 7448  |
|                  | 75/65                                  | 1309                                                | 1613 | 1908 | 2200 | 3080 | 1706                                                | 2137 | 2545 | 2936 | 4037 | 2407                                                | 3040 | 3640 | 4214 | 5816  |
|                  | 70/55                                  | 1058                                                | 1303 | 1540 | 1774 | 2475 | 1378                                                | 1725 | 2054 | 2367 | 3252 | 1939                                                | 2451 | 2936 | 3401 | 4665  |
|                  | 55/45                                  | 670                                                 | 824  | 973  | 1119 | 1549 | 872                                                 | 1090 | 1296 | 1493 | 2045 | 1221                                                | 1545 | 1853 | 2148 | 2909  |
| 2000             | 90/70                                  | 1846                                                | 2277 | 2696 | 3111 | 4373 | 2409                                                | 3019 | 3598 | 4153 | 5718 | 3407                                                | 4301 | 5146 | 5955 | 8275  |
|                  | 75/65                                  | 1454                                                | 1792 | 2120 | 2444 | 3422 | 1896                                                | 2374 | 2828 | 3262 | 4486 | 2674                                                | 3378 | 4044 | 4682 | 6462  |
|                  | 70/55                                  | 1175                                                | 1447 | 1711 | 1971 | 2750 | 1531                                                | 1916 | 2282 | 2630 | 3613 | 2155                                                | 2723 | 3262 | 3779 | 5184  |
|                  | 55/45                                  | 745                                                 | 916  | 1081 | 1243 | 1721 | 969                                                 | 1211 | 1440 | 1659 | 2272 | 1357                                                | 1717 | 2058 | 2387 | 3232  |
| 2300             | 90/70                                  | 2123                                                | 2619 | 3101 | 3578 | 5029 | 2771                                                | 3471 | 4138 | 4776 | 6576 | 3918                                                | 4946 | 5918 | 6848 | 9516  |
|                  | 75/65                                  | 1672                                                | 2061 | 2438 | 2811 | 3935 | 2180                                                | 2730 | 3252 | 3751 | 5159 | 3075                                                | 3885 | 4651 | 5384 | 7431  |
|                  | 70/55                                  | 1351                                                | 1664 | 1968 | 2267 | 3162 | 1761                                                | 2204 | 2624 | 3025 | 4155 | 2478                                                | 3132 | 3752 | 4346 | 5961  |
|                  | 55/45                                  | 856                                                 | 1053 | 1243 | 1429 | 1979 | 1114                                                | 1393 | 1656 | 1907 | 2613 | 1560                                                | 1974 | 2367 | 2745 | 3716  |
| 2600             | 90/70                                  | 2400                                                | 2961 | 3505 | 4045 | 5685 | 3132                                                | 3924 | 4677 | 5398 | 7434 | 4429                                                | 5592 | 6690 | 7741 | 10758 |
|                  | 75/65                                  | 1890                                                | 2330 | 2756 | 3177 | 4449 | 2465                                                | 3086 | 3676 | 4241 | 5832 | 3476                                                | 4391 | 5257 | 6087 | 8401  |
|                  | 70/55                                  | 1528                                                | 1881 | 2224 | 2562 | 3575 | 1991                                                | 2491 | 2966 | 3420 | 4697 | 2801                                                | 3541 | 4241 | 4912 | 6739  |
|                  | 55/45                                  | 968                                                 | 1190 | 1405 | 1616 | 2237 | 1260                                                | 1575 | 1872 | 2156 | 2954 | 1764                                                | 2232 | 2676 | 3103 | 4201  |
| 3000             | 90/70                                  | 2769                                                | 3416 | 4045 | 4667 | 6560 | 3614                                                | 4528 | 5397 | 6229 | 8578 | 5110                                                | 6452 | 7719 | 8932 | 12413 |
|                  | 75/65                                  | 2181                                                | 2688 | 3180 | 3666 | 5133 | 2844                                                | 3561 | 4242 | 4893 | 6729 | 4011                                                | 5067 | 6066 | 7023 | 9693  |
|                  | 70/55                                  | 1763                                                | 2171 | 2566 | 2956 | 4125 | 2297                                                | 2875 | 3423 | 3946 | 5420 | 3232                                                | 4085 | 4893 | 5668 | 7775  |
|                  | 55/45                                  | 1117                                                | 1373 | 1621 | 1864 | 2582 | 1453                                                | 1817 | 2160 | 2488 | 3409 | 2035                                                | 2575 | 3088 | 3581 | 4848  |



# RADIK® PLAN KLASIK, PLAN VK, PLAN VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 10 PLAN<br>Type 10 PLAN VK<br>Type 10 PLAN VKL |      |      |      |      | Type 11 PLAN<br>Type 11 PLAN VK<br>Type 11 PLAN VKL |      |      |      |      | Type 20 PLAN<br>Type 20 PLAN VK<br>Type 20 PLAN VKL |      |      |      |      |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |      |      |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 148                                                 | 189  | 227  | 265  | 382  | 257                                                 | 327  | 395  | 460  | 649  | 256                                                 | 318  | 377  | 437  | 617  |
|                  | 75/65                                  | 116                                                 | 148  | 178  | 209  | 299  | 202                                                 | 258  | 311  | 362  | 507  | 201                                                 | 249  | 296  | 343  | 483  |
|                  | 70/55                                  | 92                                                  | 118  | 144  | 169  | 239  | 163                                                 | 208  | 250  | 292  | 407  | 162                                                 | 201  | 238  | 276  | 387  |
| 500              | 55/45                                  | 57                                                  | 73   | 89   | 106  | 148  | 102                                                 | 130  | 157  | 183  | 251  | 101                                                 | 125  | 149  | 172  | 240  |
|                  | 90/70                                  | 185                                                 | 236  | 284  | 332  | 477  | 322                                                 | 409  | 494  | 575  | 811  | 320                                                 | 397  | 472  | 546  | 772  |
|                  | 75/65                                  | 145                                                 | 184  | 223  | 261  | 373  | 253                                                 | 322  | 388  | 452  | 634  | 252                                                 | 312  | 370  | 429  | 604  |
| 600              | 70/55                                  | 116                                                 | 148  | 179  | 211  | 299  | 204                                                 | 259  | 313  | 365  | 508  | 202                                                 | 251  | 298  | 345  | 484  |
|                  | 55/45                                  | 71                                                  | 92   | 112  | 132  | 185  | 128                                                 | 162  | 196  | 228  | 314  | 126                                                 | 156  | 186  | 215  | 300  |
|                  | 90/70                                  | 222                                                 | 283  | 341  | 398  | 573  | 386                                                 | 491  | 592  | 690  | 973  | 385                                                 | 477  | 566  | 655  | 926  |
| 700              | 75/65                                  | 173                                                 | 221  | 268  | 313  | 448  | 304                                                 | 386  | 466  | 543  | 761  | 302                                                 | 374  | 444  | 514  | 724  |
|                  | 70/55                                  | 139                                                 | 178  | 215  | 253  | 359  | 245                                                 | 311  | 376  | 438  | 610  | 243                                                 | 301  | 357  | 414  | 581  |
|                  | 55/45                                  | 85                                                  | 110  | 134  | 159  | 222  | 153                                                 | 195  | 235  | 274  | 377  | 151                                                 | 188  | 223  | 258  | 360  |
| 800              | 90/70                                  | 260                                                 | 330  | 398  | 464  | 668  | 450                                                 | 573  | 691  | 805  | 1135 | 449                                                 | 556  | 660  | 764  | 1080 |
|                  | 75/65                                  | 202                                                 | 258  | 312  | 366  | 522  | 354                                                 | 451  | 544  | 633  | 887  | 352                                                 | 436  | 518  | 600  | 845  |
|                  | 70/55                                  | 162                                                 | 207  | 251  | 295  | 419  | 286                                                 | 363  | 438  | 511  | 711  | 283                                                 | 351  | 417  | 483  | 678  |
| 900              | 55/45                                  | 100                                                 | 128  | 157  | 185  | 260  | 179                                                 | 227  | 274  | 320  | 440  | 177                                                 | 219  | 260  | 301  | 420  |
|                  | 90/70                                  | 297                                                 | 377  | 455  | 531  | 763  | 515                                                 | 655  | 790  | 920  | 1298 | 513                                                 | 636  | 755  | 874  | 1235 |
|                  | 75/65                                  | 231                                                 | 295  | 357  | 418  | 597  | 405                                                 | 515  | 621  | 724  | 1014 | 402                                                 | 499  | 592  | 686  | 966  |
| 1000             | 70/55                                  | 185                                                 | 237  | 287  | 337  | 479  | 326                                                 | 415  | 501  | 584  | 813  | 324                                                 | 401  | 476  | 552  | 775  |
|                  | 55/45                                  | 114                                                 | 147  | 179  | 211  | 297  | 204                                                 | 260  | 314  | 365  | 503  | 202                                                 | 250  | 297  | 344  | 480  |
|                  | 90/70                                  | 334                                                 | 424  | 512  | 597  | 859  | 579                                                 | 737  | 889  | 1035 | 1460 | 577                                                 | 715  | 849  | 983  | 1389 |
| 1100             | 75/65                                  | 260                                                 | 332  | 401  | 470  | 672  | 455                                                 | 579  | 699  | 814  | 1141 | 453                                                 | 561  | 666  | 771  | 1087 |
|                  | 70/55                                  | 208                                                 | 266  | 323  | 379  | 539  | 367                                                 | 467  | 564  | 657  | 915  | 364                                                 | 451  | 536  | 621  | 872  |
|                  | 55/45                                  | 128                                                 | 165  | 201  | 238  | 334  | 230                                                 | 292  | 353  | 411  | 566  | 227                                                 | 281  | 334  | 387  | 540  |
| 1200             | 90/70                                  | 371                                                 | 472  | 568  | 664  | 954  | 643                                                 | 818  | 987  | 1150 | 1622 | 641                                                 | 794  | 943  | 1092 | 1543 |
|                  | 75/65                                  | 289                                                 | 369  | 446  | 522  | 746  | 506                                                 | 644  | 777  | 905  | 1268 | 503                                                 | 624  | 740  | 857  | 1207 |
|                  | 70/55                                  | 231                                                 | 296  | 359  | 421  | 599  | 408                                                 | 519  | 626  | 730  | 1016 | 405                                                 | 502  | 596  | 690  | 968  |
| 1300             | 55/45                                  | 142                                                 | 183  | 224  | 264  | 371  | 255                                                 | 325  | 392  | 457  | 629  | 252                                                 | 313  | 371  | 430  | 600  |
|                  | 90/70                                  | 408                                                 | 519  | 625  | 730  | 1050 | 708                                                 | 900  | 1086 | 1265 | 1784 | 705                                                 | 874  | 1038 | 1201 | 1698 |
|                  | 75/65                                  | 318                                                 | 406  | 491  | 575  | 821  | 557                                                 | 708  | 854  | 995  | 1395 | 553                                                 | 686  | 814  | 943  | 1328 |
| 1400             | 70/55                                  | 254                                                 | 325  | 395  | 463  | 659  | 449                                                 | 571  | 689  | 802  | 1118 | 445                                                 | 552  | 655  | 758  | 1065 |
|                  | 55/45                                  | 157                                                 | 202  | 246  | 291  | 408  | 281                                                 | 357  | 431  | 503  | 691  | 277                                                 | 344  | 408  | 473  | 660  |
|                  | 90/70                                  | 445                                                 | 566  | 682  | 796  | 1145 | 772                                                 | 982  | 1185 | 1380 | 1946 | 769                                                 | 953  | 1132 | 1310 | 1852 |
| 1500             | 75/65                                  | 347                                                 | 443  | 535  | 627  | 896  | 607                                                 | 773  | 932  | 1086 | 1521 | 604                                                 | 748  | 888  | 1028 | 1449 |
|                  | 70/55                                  | 277                                                 | 355  | 431  | 506  | 718  | 490                                                 | 623  | 751  | 875  | 1220 | 486                                                 | 602  | 715  | 827  | 1162 |
|                  | 55/45                                  | 171                                                 | 220  | 268  | 317  | 445  | 307                                                 | 390  | 471  | 548  | 754  | 303                                                 | 375  | 446  | 516  | 720  |
| 1600             | 90/70                                  | 519                                                 | 660  | 796  | 929  | 1336 | 901                                                 | 1146 | 1382 | 1611 | 2271 | 897                                                 | 1112 | 1320 | 1529 | 2161 |
|                  | 75/65                                  | 405                                                 | 516  | 624  | 731  | 1045 | 709                                                 | 901  | 1087 | 1267 | 1775 | 704                                                 | 873  | 1036 | 1200 | 1690 |
|                  | 70/55                                  | 324                                                 | 414  | 502  | 590  | 838  | 571                                                 | 727  | 877  | 1021 | 1423 | 567                                                 | 702  | 834  | 965  | 1356 |
| 1700             | 55/45                                  | 199                                                 | 257  | 313  | 370  | 519  | 358                                                 | 455  | 549  | 640  | 880  | 353                                                 | 438  | 520  | 602  | 840  |
|                  | 90/70                                  | 593                                                 | 755  | 910  | 1062 | 1527 | 1029                                                | 1309 | 1580 | 1841 | 2595 | 1025                                                | 1271 | 1509 | 1747 | 2469 |
|                  | 75/65                                  | 462                                                 | 590  | 714  | 836  | 1194 | 810                                                 | 1030 | 1243 | 1448 | 2029 | 805                                                 | 998  | 1184 | 1371 | 1932 |
| 1800             | 70/55                                  | 370                                                 | 473  | 574  | 674  | 958  | 653                                                 | 830  | 1002 | 1167 | 1626 | 647                                                 | 803  | 953  | 1103 | 1549 |
|                  | 55/45                                  | 228                                                 | 293  | 358  | 423  | 593  | 409                                                 | 520  | 627  | 731  | 1006 | 404                                                 | 500  | 594  | 688  | 960  |
|                  | 90/70                                  | 667                                                 | 849  | 1023 | 1194 | 1718 | 1158                                                | 1473 | 1777 | 2071 | 2919 | 1154                                                | 1430 | 1698 | 1965 | 2778 |
| 1900             | 75/65                                  | 520                                                 | 664  | 803  | 940  | 1343 | 911                                                 | 1159 | 1398 | 1629 | 2282 | 905                                                 | 1122 | 1333 | 1543 | 2173 |
|                  | 70/55                                  | 416                                                 | 533  | 646  | 758  | 1078 | 734                                                 | 934  | 1127 | 1313 | 1829 | 728                                                 | 903  | 1072 | 1241 | 1743 |
|                  | 55/45                                  | 256                                                 | 330  | 402  | 476  | 667  | 460                                                 | 585  | 706  | 822  | 1132 | 454                                                 | 563  | 668  | 774  | 1080 |
| 2000             | 90/70                                  | 741                                                 | 943  | 1137 | 1327 | 1908 | 1287                                                | 1637 | 1975 | 2301 | 3244 | 1282                                                | 1589 | 1886 | 2184 | 3087 |
|                  | 75/65                                  | 578                                                 | 738  | 892  | 1045 | 1493 | 1012                                                | 1288 | 1553 | 1810 | 2536 | 1006                                                | 1247 | 1481 | 1714 | 2415 |
|                  | 70/55                                  | 462                                                 | 592  | 718  | 843  | 1197 | 816                                                 | 1038 | 1252 | 1459 | 2033 | 809                                                 | 1003 | 1191 | 1379 | 1937 |
| 2100             | 55/45                                  | 285                                                 | 367  | 447  | 528  | 742  | 511                                                 | 650  | 784  | 914  | 1257 | 505                                                 | 625  | 743  | 860  | 1200 |
|                  | 90/70                                  | 853                                                 | 1085 | 1307 | 1526 | 2195 | 1480                                                | 1882 | 2271 | 2646 | 3730 | 1474                                                | 1827 | 2169 | 2511 | 3550 |
|                  | 75/65                                  | 665                                                 | 849  | 1026 | 1201 | 1717 | 1164                                                | 1481 | 1786 | 2081 | 2916 | 1157                                                | 1434 | 1703 | 1971 | 2777 |
| 2200             | 70/55                                  | 532                                                 | 681  | 825  | 969  | 1377 | 938                                                 | 1194 | 1440 | 1678 | 2338 | 931                                                 | 1154 | 1370 | 1586 | 2227 |
|                  | 55/45                                  | 327                                                 | 422  | 514  | 608  | 853  | 588                                                 | 747  | 902  | 1051 | 1446 | 580                                                 | 719  | 854  | 989  | 1380 |
|                  | 90/70                                  | 964                                                 | 1226 | 1478 | 1725 | 2481 | 1673                                                | 2128 | 2567 | 2991 | 4217 | 1666                                                | 2066 | 2452 | 2839 | 4013 |
| 2300             | 75/65                                  | 752                                                 | 959  | 1160 | 1358 | 1941 | 1316                                                | 1674 | 2019 | 2353 | 3296 | 1308                                                | 1621 | 1925 | 2228 | 3139 |
|                  | 70/55                                  | 601                                                 | 769  | 933  | 1096 | 1557 | 1061                                                | 1349 | 1628 | 1897 | 2642 | 1052                                                | 1304 | 1549 | 1793 | 2518 |
|                  | 55/45                                  | 370                                                 | 476  | 581  | 687  | 964  | 664                                                 | 845  | 1019 | 1188 | 1634 | 656                                                 | 813  | 965  | 1118 | 1560 |
| 2400             | 90/70                                  | 1112                                                | 1415 | 1705 | 1991 | 2863 | 1930                                                | 2455 | 2962 | 3451 | 4866 | 1923                                                | 2383 | 2830 | 3276 | 4630 |
|                  | 75/65                                  | 867                                                 | 1107 | 1338 | 1567 | 2239 | 1518                                                | 1931 | 2330 | 2715 | 3803 | 1509                                                | 1871 | 2221 | 2571 | 3622 |
|                  | 70/55                                  | 694                                                 | 888  | 1076 | 1264 | 1796 | 1224                                                | 1557 | 1879 | 2189 | 3049 | 1214                                                | 1505 | 1787 | 2069 | 2905 |
| 2500             | 55/45                                  | 427                                                 | 550  | 671  | 793  | 1112 | 766                                                 | 975  | 1176 | 1370 | 1886 | 757                                                 | 938  | 1114 | 1290 | 1799 |



# RADIK® PLAN KLASIK, PLAN VK, PLAN VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 21 PLAN<br>Type 21 PLAN VK<br>Type 21 PLAN VKL |      |      |      |      | Type 22 PLAN<br>Type 22 PLAN VK<br>Type 22 PLAN VKL |      |      |      |      | Type 33 PLAN<br>Type 33 PLAN VK<br>Type 33 PLAN VKL |      |      |      |       |
|------------------|----------------------------------------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|------|-----------------------------------------------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                                       |      |      |      |      |                                                     |      |      |      |      |                                                     |      |      |      |       |
|                  |                                        | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900  | 300                                                 | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 353                                                 | 436  | 516  | 595  | 836  | 461                                                 | 577  | 688  | 794  | 1093 | 651                                                 | 822  | 984  | 1139 | 1581  |
|                  | 75/65                                  | 276                                                 | 340  | 402  | 463  | 648  | 359                                                 | 450  | 536  | 618  | 850  | 507                                                 | 640  | 766  | 887  | 1223  |
|                  | 70/55                                  | 221                                                 | 272  | 321  | 370  | 515  | 287                                                 | 360  | 428  | 494  | 678  | 404                                                 | 511  | 612  | 709  | 971   |
| 500              | 55/45                                  | 136                                                 | 167  | 197  | 227  | 314  | 177                                                 | 221  | 263  | 303  | 415  | 248                                                 | 313  | 376  | 436  | 589   |
|                  | 90/70                                  | 442                                                 | 545  | 645  | 744  | 1045 | 576                                                 | 722  | 860  | 993  | 1367 | 814                                                 | 1028 | 1230 | 1424 | 1976  |
|                  | 75/65                                  | 345                                                 | 425  | 502  | 579  | 810  | 449                                                 | 562  | 670  | 773  | 1062 | 633                                                 | 800  | 958  | 1109 | 1528  |
| 600              | 70/55                                  | 276                                                 | 340  | 401  | 462  | 644  | 359                                                 | 450  | 535  | 617  | 847  | 505                                                 | 639  | 765  | 887  | 1214  |
|                  | 55/45                                  | 170                                                 | 209  | 247  | 284  | 392  | 221                                                 | 276  | 329  | 378  | 518  | 309                                                 | 392  | 470  | 545  | 736   |
|                  | 90/70                                  | 530                                                 | 653  | 774  | 892  | 1254 | 691                                                 | 866  | 1032 | 1191 | 1640 | 977                                                 | 1234 | 1476 | 1708 | 2371  |
| 700              | 75/65                                  | 413                                                 | 510  | 603  | 695  | 972  | 539                                                 | 675  | 804  | 927  | 1275 | 760                                                 | 960  | 1149 | 1331 | 1834  |
|                  | 70/55                                  | 331                                                 | 408  | 482  | 555  | 773  | 431                                                 | 540  | 642  | 740  | 1017 | 606                                                 | 766  | 918  | 1064 | 1457  |
|                  | 55/45                                  | 204                                                 | 251  | 296  | 340  | 471  | 265                                                 | 332  | 394  | 454  | 622  | 371                                                 | 470  | 564  | 654  | 883   |
| 800              | 90/70                                  | 618                                                 | 762  | 902  | 1041 | 1462 | 807                                                 | 1010 | 1204 | 1390 | 1913 | 1140                                                | 1439 | 1722 | 1993 | 2766  |
|                  | 75/65                                  | 482                                                 | 594  | 703  | 810  | 1134 | 629                                                 | 787  | 938  | 1082 | 1487 | 886                                                 | 1120 | 1341 | 1553 | 2140  |
|                  | 70/55                                  | 386                                                 | 475  | 562  | 647  | 902  | 503                                                 | 629  | 749  | 864  | 1186 | 707                                                 | 894  | 1071 | 1241 | 1699  |
| 900              | 55/45                                  | 238                                                 | 293  | 345  | 397  | 549  | 310                                                 | 387  | 460  | 530  | 726  | 433                                                 | 548  | 658  | 763  | 1030  |
|                  | 90/70                                  | 706                                                 | 871  | 1031 | 1190 | 1671 | 922                                                 | 1155 | 1376 | 1588 | 2186 | 1303                                                | 1645 | 1968 | 2278 | 3161  |
|                  | 75/65                                  | 551                                                 | 679  | 804  | 926  | 1296 | 719                                                 | 900  | 1072 | 1236 | 1699 | 1013                                                | 1280 | 1533 | 1775 | 2446  |
| 1000             | 70/55                                  | 441                                                 | 543  | 642  | 740  | 1031 | 575                                                 | 719  | 856  | 987  | 1355 | 808                                                 | 1022 | 1224 | 1418 | 1942  |
|                  | 55/45                                  | 272                                                 | 334  | 395  | 454  | 627  | 354                                                 | 442  | 526  | 606  | 829  | 495                                                 | 627  | 752  | 872  | 1177  |
|                  | 90/70                                  | 795                                                 | 980  | 1160 | 1339 | 1880 | 1037                                                | 1299 | 1548 | 1787 | 2460 | 1466                                                | 1851 | 2214 | 2562 | 3556  |
| 1100             | 75/65                                  | 620                                                 | 764  | 904  | 1042 | 1458 | 809                                                 | 1012 | 1206 | 1391 | 1912 | 1140                                                | 1440 | 1724 | 1996 | 2751  |
|                  | 70/55                                  | 496                                                 | 611  | 722  | 832  | 1160 | 647                                                 | 809  | 963  | 1111 | 1525 | 910                                                 | 1150 | 1377 | 1596 | 2185  |
|                  | 55/45                                  | 306                                                 | 376  | 444  | 510  | 706  | 398                                                 | 498  | 592  | 681  | 933  | 557                                                 | 705  | 846  | 981  | 1324  |
| 1200             | 90/70                                  | 883                                                 | 1089 | 1289 | 1487 | 2089 | 1152                                                | 1443 | 1720 | 1985 | 2733 | 1628                                                | 2056 | 2460 | 2847 | 3952  |
|                  | 75/65                                  | 689                                                 | 849  | 1004 | 1158 | 1620 | 898                                                 | 1125 | 1340 | 1545 | 2124 | 1266                                                | 1600 | 1916 | 2218 | 3057  |
|                  | 70/55                                  | 552                                                 | 679  | 803  | 925  | 1289 | 719                                                 | 899  | 1070 | 1234 | 1694 | 1011                                                | 1277 | 1530 | 1773 | 2428  |
| 1300             | 55/45                                  | 340                                                 | 418  | 493  | 567  | 784  | 442                                                 | 553  | 657  | 757  | 1036 | 619                                                 | 783  | 940  | 1090 | 1471  |
|                  | 90/70                                  | 971                                                 | 1198 | 1418 | 1636 | 2298 | 1267                                                | 1588 | 1892 | 2184 | 3006 | 1791                                                | 2262 | 2706 | 3132 | 4347  |
|                  | 75/65                                  | 758                                                 | 934  | 1105 | 1273 | 1782 | 988                                                 | 1237 | 1474 | 1700 | 2337 | 1393                                                | 1760 | 2107 | 2440 | 3363  |
| 1400             | 70/55                                  | 607                                                 | 747  | 883  | 1017 | 1417 | 791                                                 | 989  | 1178 | 1357 | 1864 | 1112                                                | 1405 | 1683 | 1950 | 2670  |
|                  | 55/45                                  | 374                                                 | 460  | 543  | 624  | 863  | 487                                                 | 608  | 723  | 833  | 1140 | 681                                                 | 862  | 1033 | 1199 | 1619  |
|                  | 90/70                                  | 1060                                                | 1307 | 1547 | 1785 | 2507 | 1383                                                | 1732 | 2064 | 2382 | 3280 | 1954                                                | 2467 | 2952 | 3417 | 4742  |
| 1500             | 75/65                                  | 827                                                 | 1019 | 1205 | 1389 | 1943 | 1078                                                | 1350 | 1608 | 1854 | 2549 | 1520                                                | 1920 | 2299 | 2662 | 3668  |
|                  | 70/55                                  | 662                                                 | 815  | 963  | 1109 | 1546 | 862                                                 | 1079 | 1285 | 1481 | 2033 | 1213                                                | 1533 | 1836 | 2128 | 2913  |
|                  | 55/45                                  | 408                                                 | 502  | 592  | 681  | 941  | 531                                                 | 664  | 789  | 908  | 1244 | 743                                                 | 940  | 1127 | 1308 | 1766  |
| 1600             | 90/70                                  | 1236                                                | 1525 | 1805 | 2082 | 2925 | 1613                                                | 2021 | 2408 | 2779 | 3826 | 2280                                                | 2879 | 3444 | 3986 | 5532  |
|                  | 75/65                                  | 965                                                 | 1189 | 1406 | 1621 | 2267 | 1258                                                | 1575 | 1876 | 2163 | 2974 | 1773                                                | 2240 | 2682 | 3106 | 4280  |
|                  | 70/55                                  | 772                                                 | 951  | 1124 | 1294 | 1804 | 1006                                                | 1259 | 1499 | 1727 | 2372 | 1415                                                | 1788 | 2143 | 2482 | 3399  |
| 1700             | 55/45                                  | 476                                                 | 585  | 691  | 794  | 1098 | 619                                                 | 774  | 920  | 1060 | 1451 | 866                                                 | 1097 | 1315 | 1526 | 2060  |
|                  | 90/70                                  | 1413                                                | 1742 | 2063 | 2380 | 3343 | 1843                                                | 2309 | 2752 | 3176 | 4373 | 2605                                                | 3290 | 3936 | 4555 | 6323  |
|                  | 75/65                                  | 1103                                                | 1359 | 1607 | 1852 | 2591 | 1438                                                | 1800 | 2144 | 2472 | 3399 | 2026                                                | 2560 | 3065 | 3549 | 4891  |
| 1800             | 70/55                                  | 883                                                 | 1087 | 1284 | 1479 | 2062 | 1150                                                | 1439 | 1713 | 1974 | 2711 | 1617                                                | 2044 | 2449 | 2837 | 3884  |
|                  | 55/45                                  | 544                                                 | 669  | 789  | 907  | 1255 | 708                                                 | 885  | 1052 | 1211 | 1658 | 990                                                 | 1253 | 1503 | 1744 | 2354  |
|                  | 90/70                                  | 1589                                                | 1960 | 2321 | 2677 | 3761 | 2074                                                | 2598 | 3096 | 3573 | 4920 | 2931                                                | 3701 | 4429 | 5125 | 7113  |
| 1900             | 75/65                                  | 1240                                                | 1529 | 1808 | 2084 | 2915 | 1617                                                | 2025 | 2412 | 2781 | 3824 | 2280                                                | 2880 | 3448 | 3993 | 5503  |
|                  | 70/55                                  | 993                                                 | 1223 | 1445 | 1664 | 2319 | 1294                                                | 1619 | 1927 | 2221 | 3050 | 1819                                                | 2299 | 2755 | 3191 | 4370  |
|                  | 55/45                                  | 612                                                 | 753  | 888  | 1021 | 1412 | 796                                                 | 995  | 1183 | 1362 | 1866 | 1114                                                | 1410 | 1691 | 1962 | 2649  |
| 2000             | 90/70                                  | 1766                                                | 2178 | 2579 | 2975 | 4178 | 2304                                                | 2887 | 3440 | 3970 | 5466 | 3257                                                | 4112 | 4921 | 5694 | 7903  |
|                  | 75/65                                  | 1378                                                | 1698 | 2009 | 2315 | 3239 | 1797                                                | 2250 | 2680 | 3090 | 4249 | 2533                                                | 3200 | 3832 | 4437 | 6114  |
|                  | 70/55                                  | 1103                                                | 1358 | 1605 | 1849 | 2577 | 1437                                                | 1799 | 2141 | 2468 | 3389 | 2021                                                | 2555 | 3061 | 3546 | 4855  |
| 2100             | 55/45                                  | 680                                                 | 836  | 987  | 1134 | 1568 | 885                                                 | 1106 | 1315 | 1514 | 2073 | 1238                                                | 1567 | 1879 | 2180 | 2943  |
|                  | 90/70                                  | 2031                                                | 2505 | 2965 | 3421 | 4805 | 2650                                                | 3320 | 3957 | 4566 | 6286 | 3745                                                | 4729 | 5659 | 6548 | 9089  |
|                  | 75/65                                  | 1585                                                | 1953 | 2310 | 2663 | 3725 | 2067                                                | 2587 | 3081 | 3554 | 4886 | 2913                                                | 3680 | 4406 | 5102 | 7031  |
| 2200             | 70/55                                  | 1269                                                | 1562 | 1846 | 2126 | 2964 | 1653                                                | 2068 | 2462 | 2838 | 3897 | 2324                                                | 2938 | 3520 | 4078 | 5584  |
|                  | 55/45                                  | 782                                                 | 962  | 1135 | 1304 | 1804 | 1018                                                | 1272 | 1512 | 1741 | 2384 | 1423                                                | 1802 | 2161 | 2506 | 3384  |
|                  | 90/70                                  | 2296                                                | 2831 | 3352 | 3867 | 5432 | 2996                                                | 3753 | 4473 | 5162 | 7106 | 4234                                                | 5346 | 6397 | 7402 | 10274 |
| 2300             | 75/65                                  | 1792                                                | 2208 | 2612 | 3010 | 4211 | 2336                                                | 2925 | 3483 | 4017 | 5523 | 3293                                                | 4160 | 4981 | 5768 | 7948  |
|                  | 70/55                                  | 1434                                                | 1766 | 2087 | 2404 | 3350 | 1869                                                | 2338 | 2783 | 3208 | 4405 | 2627                                                | 3321 | 3979 | 4610 | 6312  |
|                  | 55/45                                  | 884                                                 | 1087 | 1283 | 1475 | 2039 | 1150                                                | 1438 | 1709 | 1968 | 2695 | 1609                                                | 2037 | 2443 | 2833 | 3826  |
| 2400             | 90/70                                  | 2649                                                | 3267 | 3868 | 4462 | 6268 | 3456                                                | 4330 | 5161 | 5956 | 8199 | 4885                                                | 6168 | 7381 | 8541 | 11855 |
|                  | 75/65                                  | 2067                                                | 2548 | 3013 | 3473 | 4859 | 2695                                                | 3375 | 4019 | 4636 | 6373 | 3799                                                | 4800 | 5747 | 6655 | 9171  |
|                  | 70/55                                  | 1655                                                | 2038 | 2408 | 2774 | 3866 | 2156                                                | 2698 | 3211 | 3702 | 5083 | 3032                                                | 3832 | 4591 | 5319 | 7283  |
| 2500             | 55/45                                  | 1021                                                | 1254 | 1480 | 1701 | 2353 | 1327                                                | 1659 | 1972 | 2271 | 3109 | 1857                                                | 2350 | 2819 | 3269 | 4414  |



# RADIK® PLAN VKM

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 10 PLAN VKM |      |      |      |      | Type 11 PLAN VKM |      |      |      |      | Type 20 PLAN VKM |      |      |      |      |
|------------------|----------------------------------------|------------------|------|------|------|------|------------------|------|------|------|------|------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]    |      |      |      |      |                  |      |      |      |      |                  |      |      |      |      |
|                  |                                        | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 185              | 236  | 285  | 331  | 461  | 293              | 365  | 434  | 500  | 693  | 327              | 402  | 473  | 541  | 733  |
|                  | 75/65                                  | 151              | 191  | 231  | 269  | 375  | 239              | 297  | 353  | 406  | 559  | 266              | 326  | 384  | 439  | 593  |
|                  | 70/55                                  | 124              | 157  | 190  | 221  | 309  | 197              | 245  | 290  | 334  | 457  | 218              | 268  | 315  | 360  | 486  |
|                  | 55/45                                  | 84               | 106  | 128  | 149  | 210  | 135              | 167  | 197  | 226  | 306  | 148              | 181  | 213  | 243  | 326  |
| 500              | 90/70                                  | 232              | 295  | 357  | 414  | 576  | 367              | 456  | 542  | 625  | 866  | 409              | 502  | 591  | 676  | 916  |
|                  | 75/65                                  | 188              | 239  | 289  | 336  | 469  | 299              | 372  | 441  | 507  | 699  | 332              | 408  | 480  | 548  | 741  |
|                  | 70/55                                  | 155              | 197  | 237  | 276  | 387  | 247              | 306  | 363  | 417  | 571  | 273              | 335  | 394  | 450  | 607  |
|                  | 55/45                                  | 105              | 133  | 160  | 186  | 263  | 168              | 208  | 246  | 282  | 382  | 185              | 227  | 266  | 304  | 407  |
| 600              | 90/70                                  | 278              | 354  | 428  | 497  | 692  | 440              | 548  | 651  | 750  | 1039 | 490              | 603  | 709  | 811  | 1100 |
|                  | 75/65                                  | 226              | 287  | 347  | 403  | 563  | 359              | 446  | 529  | 609  | 839  | 398              | 489  | 576  | 658  | 889  |
|                  | 70/55                                  | 186              | 236  | 284  | 331  | 464  | 296              | 368  | 435  | 501  | 685  | 328              | 402  | 473  | 541  | 728  |
|                  | 55/45                                  | 126              | 160  | 192  | 223  | 316  | 202              | 250  | 295  | 339  | 458  | 222              | 272  | 320  | 365  | 489  |
| 700              | 90/70                                  | 324              | 413  | 499  | 579  | 807  | 514              | 639  | 759  | 875  | 1212 | 572              | 703  | 828  | 946  | 1283 |
|                  | 75/65                                  | 264              | 335  | 404  | 470  | 657  | 419              | 520  | 617  | 710  | 978  | 465              | 571  | 672  | 768  | 1038 |
|                  | 70/55                                  | 217              | 275  | 332  | 386  | 542  | 346              | 429  | 508  | 584  | 800  | 382              | 469  | 552  | 631  | 850  |
|                  | 55/45                                  | 147              | 186  | 223  | 261  | 368  | 236              | 292  | 345  | 395  | 535  | 259              | 318  | 373  | 426  | 570  |
| 800              | 90/70                                  | 371              | 471  | 570  | 662  | 922  | 587              | 730  | 867  | 1000 | 1386 | 654              | 804  | 946  | 1082 | 1466 |
|                  | 75/65                                  | 301              | 383  | 462  | 537  | 751  | 479              | 595  | 705  | 812  | 1118 | 531              | 653  | 768  | 877  | 1186 |
|                  | 70/55                                  | 248              | 315  | 379  | 441  | 619  | 395              | 490  | 581  | 667  | 914  | 437              | 536  | 631  | 721  | 971  |
|                  | 55/45                                  | 168              | 213  | 255  | 298  | 421  | 269              | 333  | 394  | 452  | 611  | 296              | 363  | 426  | 487  | 652  |
| 900              | 90/70                                  | 417              | 530  | 642  | 745  | 1038 | 660              | 821  | 976  | 1125 | 1559 | 735              | 904  | 1064 | 1217 | 1649 |
|                  | 75/65                                  | 339              | 431  | 520  | 604  | 845  | 538              | 669  | 794  | 913  | 1258 | 597              | 734  | 864  | 987  | 1334 |
|                  | 70/55                                  | 279              | 354  | 427  | 496  | 696  | 444              | 551  | 653  | 751  | 1028 | 491              | 604  | 710  | 811  | 1092 |
|                  | 55/45                                  | 189              | 240  | 287  | 335  | 473  | 303              | 375  | 443  | 508  | 687  | 333              | 408  | 480  | 548  | 733  |
| 1000             | 90/70                                  | 464              | 589  | 713  | 828  | 1153 | 734              | 913  | 1084 | 1249 | 1732 | 817              | 1004 | 1182 | 1352 | 1833 |
|                  | 75/65                                  | 377              | 479  | 578  | 671  | 939  | 598              | 743  | 882  | 1015 | 1398 | 664              | 816  | 960  | 1097 | 1482 |
|                  | 70/55                                  | 310              | 393  | 474  | 551  | 774  | 494              | 613  | 726  | 834  | 1142 | 546              | 671  | 789  | 901  | 1214 |
|                  | 55/45                                  | 210              | 266  | 319  | 372  | 526  | 336              | 416  | 492  | 564  | 764  | 370              | 454  | 533  | 608  | 815  |
| 1100             | 90/70                                  | 510              | 648  | 784  | 910  | 1268 | 807              | 1004 | 1193 | 1374 | 1905 | 899              | 1105 | 1301 | 1487 | 2016 |
|                  | 75/65                                  | 414              | 526  | 636  | 738  | 1032 | 658              | 818  | 970  | 1116 | 1538 | 730              | 897  | 1056 | 1207 | 1630 |
|                  | 70/55                                  | 341              | 433  | 521  | 606  | 851  | 543              | 674  | 798  | 918  | 1257 | 601              | 738  | 867  | 991  | 1335 |
|                  | 55/45                                  | 231              | 293  | 351  | 409  | 579  | 370              | 458  | 542  | 621  | 840  | 407              | 499  | 586  | 669  | 896  |
| 1200             | 90/70                                  | 556              | 707  | 856  | 993  | 1383 | 880              | 1095 | 1301 | 1499 | 2078 | 981              | 1205 | 1419 | 1622 | 2199 |
|                  | 75/65                                  | 452              | 574  | 693  | 806  | 1126 | 718              | 892  | 1058 | 1218 | 1677 | 797              | 979  | 1152 | 1316 | 1779 |
|                  | 70/55                                  | 372              | 472  | 569  | 662  | 928  | 592              | 735  | 871  | 1001 | 1371 | 655              | 805  | 946  | 1081 | 1457 |
|                  | 55/45                                  | 252              | 319  | 383  | 447  | 631  | 404              | 500  | 591  | 677  | 917  | 444              | 544  | 640  | 730  | 978  |
| 1400             | 90/70                                  | 649              | 825  | 998  | 1159 | 1614 | 1027             | 1278 | 1518 | 1749 | 2425 | 1144             | 1406 | 1655 | 1893 | 2566 |
|                  | 75/65                                  | 527              | 670  | 809  | 940  | 1314 | 837              | 1040 | 1234 | 1421 | 1957 | 929              | 1142 | 1343 | 1536 | 2075 |
|                  | 70/55                                  | 434              | 551  | 664  | 772  | 1083 | 691              | 858  | 1016 | 1168 | 1599 | 764              | 939  | 1104 | 1261 | 1699 |
|                  | 55/45                                  | 294              | 373  | 447  | 521  | 736  | 471              | 583  | 689  | 790  | 1069 | 518              | 635  | 746  | 852  | 1141 |
| 1600             | 90/70                                  | 742              | 943  | 1141 | 1324 | 1845 | 1174             | 1460 | 1735 | 1999 | 2771 | 1307             | 1607 | 1892 | 2163 | 2932 |
|                  | 75/65                                  | 603              | 766  | 924  | 1074 | 1502 | 957              | 1189 | 1411 | 1624 | 2236 | 1062             | 1305 | 1535 | 1755 | 2371 |
|                  | 70/55                                  | 496              | 629  | 758  | 882  | 1238 | 790              | 980  | 1161 | 1335 | 1828 | 874              | 1073 | 1262 | 1442 | 1942 |
|                  | 55/45                                  | 336              | 426  | 511  | 596  | 841  | 538              | 666  | 788  | 903  | 1222 | 592              | 726  | 853  | 973  | 1304 |
| 1800             | 90/70                                  | 834              | 1061 | 1284 | 1490 | 2075 | 1321             | 1643 | 1952 | 2249 | 3118 | 1471             | 1808 | 2128 | 2434 | 3299 |
|                  | 75/65                                  | 678              | 861  | 1040 | 1208 | 1690 | 1077             | 1338 | 1587 | 1826 | 2516 | 1195             | 1468 | 1727 | 1974 | 2668 |
|                  | 70/55                                  | 558              | 708  | 853  | 992  | 1392 | 889              | 1103 | 1306 | 1502 | 2056 | 983              | 1207 | 1419 | 1622 | 2185 |
|                  | 55/45                                  | 378              | 479  | 575  | 670  | 947  | 606              | 750  | 886  | 1016 | 1375 | 665              | 817  | 959  | 1095 | 1467 |
| 2000             | 90/70                                  | 927              | 1179 | 1426 | 1655 | 2306 | 1467             | 1826 | 2168 | 2499 | 3464 | 1634             | 2009 | 2365 | 2704 | 3665 |
|                  | 75/65                                  | 753              | 957  | 1155 | 1343 | 1877 | 1196             | 1486 | 1763 | 2029 | 2796 | 1328             | 1631 | 1919 | 2194 | 2964 |
|                  | 70/55                                  | 620              | 787  | 948  | 1103 | 1547 | 987              | 1225 | 1452 | 1669 | 2285 | 1092             | 1341 | 1577 | 1802 | 2428 |
|                  | 55/45                                  | 419              | 532  | 639  | 744  | 1052 | 673              | 833  | 985  | 1129 | 1528 | 739              | 907  | 1066 | 1217 | 1630 |
| 2300             | 90/70                                  | 1066             | 1355 | 1640 | 1903 | 2652 | 1687             | 2099 | 2494 | 2874 | 3984 | 1880             | 2310 | 2719 | 3110 | 4215 |
|                  | 75/65                                  | 866              | 1101 | 1329 | 1544 | 2159 | 1376             | 1709 | 2028 | 2334 | 3215 | 1527             | 1876 | 2207 | 2523 | 3409 |
|                  | 70/55                                  | 712              | 905  | 1090 | 1268 | 1779 | 1135             | 1409 | 1669 | 1919 | 2628 | 1256             | 1542 | 1814 | 2072 | 2792 |
|                  | 55/45                                  | 482              | 612  | 734  | 856  | 1210 | 774              | 958  | 1132 | 1298 | 1757 | 850              | 1043 | 1226 | 1399 | 1874 |
| 2600             | 90/70                                  | 1205             | 1532 | 1854 | 2152 | 2997 | 1908             | 2373 | 2819 | 3249 | 4503 | 2125             | 2612 | 3074 | 3515 | 4765 |
|                  | 75/65                                  | 979              | 1244 | 1502 | 1745 | 2440 | 1555             | 1932 | 2292 | 2638 | 3634 | 1726             | 2121 | 2495 | 2852 | 3854 |
|                  | 70/55                                  | 805              | 1023 | 1232 | 1433 | 2011 | 1283             | 1593 | 1887 | 2169 | 2970 | 1420             | 1744 | 2050 | 2342 | 3156 |
|                  | 55/45                                  | 545              | 692  | 830  | 968  | 1367 | 875              | 1083 | 1280 | 1468 | 1986 | 961              | 1179 | 1386 | 1582 | 2119 |
| 3000             | 90/70                                  | 1391             | 1768 | 2139 | 2483 | 3459 | 2201             | 2738 | 3253 | 3748 | 5196 | 2452             | 3013 | 3547 | 4056 | 5498 |
|                  | 75/65                                  | 1130             | 1436 | 1733 | 2014 | 2816 | 1794             | 2230 | 2645 | 3044 | 4193 | 1992             | 2447 | 2879 | 3291 | 4447 |
|                  | 70/55                                  | 929              | 1180 | 1422 | 1654 | 2321 | 1481             | 1838 | 2177 | 2503 | 3427 | 1638             | 2012 | 2366 | 2703 | 3642 |
|                  | 55/45                                  | 629              | 798  | 958  | 1117 | 1578 | 1009             | 1249 | 1477 | 1693 | 2292 | 1109             | 1361 | 1599 | 1825 | 2444 |



# RADIK® PLAN VKM

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 21 PLAN VKM |      |      |      |      | Type 22 PLAN VKM |      |      |      |      | Type 33 PLAN VKM |      |      |      |       |
|------------------|----------------------------------------|------------------|------|------|------|------|------------------|------|------|------|------|------------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]    |      |      |      |      |                  |      |      |      |      |                  |      |      |      |       |
|                  |                                        | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 403              | 507  | 604  | 693  | 917  | 509              | 651  | 785  | 912  | 1254 |                  |      |      |      |       |
|                  | 75/65                                  | 326              | 410  | 487  | 558  | 737  | 414              | 528  | 635  | 736  | 1008 |                  |      |      |      |       |
|                  | 70/55                                  | 268              | 336  | 398  | 455  | 599  | 340              | 433  | 520  | 602  | 821  |                  |      |      |      |       |
|                  | 55/45                                  | 180              | 225  | 266  | 303  | 397  | 230              | 292  | 349  | 402  | 545  |                  |      |      |      |       |
| 500              | 90/70                                  | 504              | 634  | 755  | 866  | 1147 | 637              | 814  | 982  | 1140 | 1568 |                  |      |      |      |       |
|                  | 75/65                                  | 408              | 513  | 609  | 697  | 921  | 517              | 660  | 794  | 920  | 1260 | 759              | 1188 | 1421 | 1644 | 2292  |
|                  | 70/55                                  | 335              | 420  | 497  | 568  | 749  | 425              | 541  | 650  | 752  | 1026 | 620              | 784  | 938  | 1087 | 1497  |
|                  | 55/45                                  | 225              | 282  | 332  | 378  | 496  | 288              | 365  | 436  | 503  | 681  | 414              | 524  | 628  | 728  | 991   |
| 600              | 90/70                                  | 604              | 761  | 905  | 1039 | 1376 | 764              | 977  | 1178 | 1368 | 1882 | 1130             | 1426 | 1706 | 1973 | 2750  |
|                  | 75/65                                  | 489              | 615  | 730  | 836  | 1105 | 620              | 792  | 953  | 1104 | 1513 | 911              | 1151 | 1377 | 1594 | 2208  |
|                  | 70/55                                  | 401              | 504  | 597  | 682  | 899  | 510              | 650  | 780  | 903  | 1232 | 744              | 940  | 1126 | 1304 | 1796  |
|                  | 55/45                                  | 270              | 338  | 399  | 454  | 595  | 345              | 438  | 524  | 604  | 817  | 497              | 629  | 754  | 874  | 1189  |
| 700              | 90/70                                  | 705              | 888  | 1056 | 1212 | 1605 | 891              | 1140 | 1374 | 1596 | 2195 | 1318             | 1664 | 1990 | 2302 | 3208  |
|                  | 75/65                                  | 571              | 718  | 852  | 976  | 1289 | 724              | 924  | 1111 | 1288 | 1765 | 1063             | 1343 | 1607 | 1860 | 2576  |
|                  | 70/55                                  | 468              | 588  | 696  | 796  | 1049 | 595              | 758  | 910  | 1053 | 1437 | 868              | 1097 | 1314 | 1521 | 2095  |
|                  | 55/45                                  | 315              | 394  | 465  | 530  | 695  | 403              | 511  | 611  | 704  | 954  | 580              | 734  | 879  | 1019 | 1388  |
| 800              | 90/70                                  | 806              | 1015 | 1207 | 1385 | 1834 | 1019             | 1303 | 1571 | 1824 | 2509 | 1506             | 1901 | 2274 | 2631 | 3667  |
|                  | 75/65                                  | 653              | 820  | 974  | 1115 | 1473 | 827              | 1056 | 1270 | 1472 | 2017 | 1215             | 1534 | 1836 | 2125 | 2944  |
|                  | 70/55                                  | 535              | 672  | 796  | 910  | 1198 | 680              | 866  | 1040 | 1204 | 1642 | 992              | 1254 | 1501 | 1739 | 2395  |
|                  | 55/45                                  | 360              | 450  | 532  | 605  | 794  | 460              | 584  | 698  | 805  | 1090 | 663              | 838  | 1005 | 1165 | 1586  |
| 900              | 90/70                                  | 906              | 1142 | 1358 | 1558 | 2064 | 1146             | 1465 | 1767 | 2052 | 2823 | 1695             | 2139 | 2559 | 2960 | 4125  |
|                  | 75/65                                  | 734              | 923  | 1096 | 1255 | 1657 | 931              | 1188 | 1429 | 1656 | 2269 | 1367             | 1726 | 2066 | 2391 | 3312  |
|                  | 70/55                                  | 602              | 756  | 895  | 1023 | 1348 | 765              | 974  | 1170 | 1354 | 1848 | 1117             | 1411 | 1689 | 1956 | 2694  |
|                  | 55/45                                  | 405              | 507  | 598  | 681  | 893  | 518              | 657  | 786  | 905  | 1226 | 746              | 943  | 1130 | 1310 | 1784  |
| 1000             | 90/70                                  | 1007             | 1269 | 1509 | 1731 | 2293 | 1273             | 1628 | 1963 | 2281 | 3136 | 1883             | 2377 | 2843 | 3289 | 4583  |
|                  | 75/65                                  | 816              | 1025 | 1217 | 1394 | 1841 | 1034             | 1320 | 1588 | 1841 | 2521 | 1519             | 1918 | 2295 | 2657 | 3680  |
|                  | 70/55                                  | 669              | 839  | 995  | 1137 | 1498 | 850              | 1083 | 1300 | 1504 | 2053 | 1241             | 1567 | 1877 | 2173 | 2993  |
|                  | 55/45                                  | 450              | 563  | 665  | 757  | 992  | 575              | 730  | 873  | 1006 | 1362 | 829              | 1048 | 1256 | 1456 | 1982  |
| 1100             | 90/70                                  | 1108             | 1395 | 1660 | 1905 | 2522 | 1401             | 1791 | 2159 | 2509 | 3450 | 2071             | 2614 | 3127 | 3617 | 5042  |
|                  | 75/65                                  | 897              | 1128 | 1339 | 1533 | 2026 | 1137             | 1451 | 1746 | 2025 | 2773 | 1671             | 2110 | 2525 | 2922 | 4048  |
|                  | 70/55                                  | 736              | 923  | 1094 | 1251 | 1648 | 935              | 1191 | 1430 | 1655 | 2258 | 1365             | 1724 | 2065 | 2391 | 3293  |
|                  | 55/45                                  | 496              | 619  | 731  | 832  | 1092 | 633              | 803  | 960  | 1107 | 1499 | 911              | 1153 | 1382 | 1601 | 2180  |
| 1200             | 90/70                                  | 1208             | 1522 | 1811 | 2078 | 2752 | 1528             | 1954 | 2356 | 2737 | 3763 | 2259             | 2852 | 3411 | 3946 | 5500  |
|                  | 75/65                                  | 979              | 1231 | 1461 | 1673 | 2210 | 1241             | 1583 | 1905 | 2209 | 3025 | 1822             | 2301 | 2754 | 3188 | 4416  |
|                  | 70/55                                  | 803              | 1007 | 1194 | 1364 | 1798 | 1020             | 1299 | 1560 | 1805 | 2463 | 1489             | 1881 | 2252 | 2608 | 3592  |
|                  | 55/45                                  | 541              | 676  | 798  | 908  | 1191 | 690              | 876  | 1047 | 1207 | 1635 | 994              | 1258 | 1507 | 1747 | 2379  |
| 1400             | 90/70                                  | 1410             | 1776 | 2113 | 2424 | 3210 | 1783             | 2280 | 2748 | 3193 | 4391 | 2636             | 3327 | 3980 | 4604 | 6417  |
|                  | 75/65                                  | 1142             | 1436 | 1704 | 1952 | 2578 | 1448             | 1847 | 2223 | 2577 | 3529 | 2126             | 2685 | 3213 | 3719 | 5152  |
|                  | 70/55                                  | 937              | 1175 | 1393 | 1592 | 2097 | 1190             | 1516 | 1820 | 2106 | 2874 | 1737             | 2194 | 2628 | 3043 | 4191  |
|                  | 55/45                                  | 631              | 788  | 931  | 1060 | 1389 | 805              | 1022 | 1222 | 1408 | 1907 | 1160             | 1467 | 1758 | 2038 | 2775  |
| 1600             | 90/70                                  | 1611             | 2030 | 2415 | 2770 | 3669 | 2037             | 2605 | 3141 | 3649 | 5018 | 3013             | 3803 | 4549 | 5262 | 7333  |
|                  | 75/65                                  | 1305             | 1641 | 1948 | 2230 | 2946 | 1654             | 2111 | 2540 | 2945 | 4034 | 2430             | 3069 | 3672 | 4250 | 5888  |
|                  | 70/55                                  | 1071             | 1343 | 1592 | 1819 | 2397 | 1360             | 1732 | 2080 | 2407 | 3285 | 1985             | 2508 | 3003 | 3477 | 4789  |
|                  | 55/45                                  | 721              | 901  | 1064 | 1211 | 1588 | 920              | 1167 | 1397 | 1610 | 2180 | 1326             | 1677 | 2010 | 2329 | 3171  |
| 1800             | 90/70                                  | 1813             | 2283 | 2716 | 3117 | 4128 | 2292             | 2931 | 3534 | 4105 | 5645 | 3389             | 4278 | 5117 | 5919 | 8250  |
|                  | 75/65                                  | 1468             | 1846 | 2191 | 2509 | 3315 | 1861             | 2375 | 2858 | 3313 | 4538 | 2734             | 3452 | 4131 | 4782 | 6624  |
|                  | 70/55                                  | 1204             | 1511 | 1791 | 2046 | 2697 | 1530             | 1949 | 2340 | 2708 | 3695 | 2233             | 2821 | 3378 | 3912 | 5388  |
|                  | 55/45                                  | 811              | 1014 | 1197 | 1362 | 1786 | 1035             | 1313 | 1571 | 1811 | 2452 | 1491             | 1886 | 2261 | 2621 | 3568  |
| 2000             | 90/70                                  | 2014             | 2537 | 3018 | 3463 | 4586 | 2547             | 3257 | 3926 | 4561 | 6272 | 3766             | 4753 | 5686 | 6577 | 9167  |
|                  | 75/65                                  | 1631             | 2051 | 2435 | 2788 | 3683 | 2068             | 2639 | 3175 | 3681 | 5042 | 3037             | 3836 | 4591 | 5313 | 7360  |
|                  | 70/55                                  | 1338             | 1679 | 1990 | 2274 | 2996 | 1700             | 2166 | 2601 | 3009 | 4106 | 2481             | 3135 | 3754 | 4347 | 5986  |
|                  | 55/45                                  | 901              | 1126 | 1329 | 1514 | 1985 | 1150             | 1459 | 1746 | 2012 | 2725 | 1657             | 2096 | 2512 | 2912 | 3964  |
| 2300             | 90/70                                  | 2316             | 2918 | 3471 | 3982 | 5274 | 2929             | 3745 | 4515 | 5245 | 7213 | 4331             | 5466 | 6538 | 7564 | 10542 |
|                  | 75/65                                  | 1876             | 2358 | 2800 | 3206 | 4235 | 2378             | 3035 | 3652 | 4233 | 5798 | 3493             | 4411 | 5279 | 6110 | 8464  |
|                  | 70/55                                  | 1539             | 1931 | 2288 | 2615 | 3446 | 1955             | 2490 | 2991 | 3460 | 4722 | 2853             | 3605 | 4317 | 4999 | 6884  |
|                  | 55/45                                  | 1036             | 1295 | 1529 | 1741 | 2283 | 1323             | 1678 | 2008 | 2314 | 3134 | 1906             | 2410 | 2889 | 3348 | 4559  |
| 2600             | 90/70                                  | 2618             | 3298 | 3924 | 4502 | 5962 | 3311             | 4234 | 5104 | 5929 | 8154 | 4896             | 6179 | 7391 | 8550 | 11917 |
|                  | 75/65                                  | 2121             | 2666 | 3165 | 3624 | 4788 | 2688             | 3431 | 4128 | 4785 | 6555 | 3948             | 4986 | 5968 | 6907 | 9568  |
|                  | 70/55                                  | 1740             | 2183 | 2586 | 2956 | 3895 | 2210             | 2815 | 3381 | 3912 | 5337 | 3226             | 4075 | 4880 | 5651 | 7782  |
|                  | 55/45                                  | 1171             | 1464 | 1728 | 1968 | 2580 | 1495             | 1897 | 2269 | 2616 | 3542 | 2154             | 2725 | 3266 | 3785 | 5154  |
| 3000             | 90/70                                  | 3021             | 3806 | 4527 | 5194 | 6879 | 3820             | 4885 | 5889 | 6842 | 9409 | 5649             | 7130 | 8528 | 9866 | 13750 |
|                  | 75/65                                  | 2447             | 3076 | 3652 | 4182 | 5524 | 3102             | 3959 | 4763 | 5522 | 7563 | 4556             | 5754 | 6886 | 7970 | 11040 |
|                  | 70/55                                  | 2007             | 2518 | 2984 | 3411 | 4494 | 2550             | 3248 | 3901 | 4513 | 6159 | 3722             | 4702 | 5631 | 6520 | 8980  |
|                  | 55/45                                  | 1351             | 1689 | 1994 | 2270 | 2977 | 1725             | 2189 | 2619 | 3018 | 4087 | 2486             | 3144 | 3768 | 4368 | 5947  |



# RADIK® PLAN VKM

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 10 PLAN VKM |      |      |      |      | Type 11 PLAN VKM |      |      |      |      | Type 20 PLAN VKM |      |      |      |      |
|------------------|----------------------------------------|------------------|------|------|------|------|------------------|------|------|------|------|------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]    |      |      |      |      |                  |      |      |      |      |                  |      |      |      |      |
|                  |                                        | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 167              | 212  | 257  | 298  | 416  | 265              | 329  | 391  | 450  | 622  | 294              | 362  | 426  | 487  | 659  |
|                  | 75/65                                  | 133              | 169  | 204  | 237  | 332  | 212              | 263  | 312  | 359  | 492  | 235              | 288  | 339  | 388  | 523  |
|                  | 70/55                                  | 107              | 136  | 164  | 190  | 268  | 171              | 212  | 251  | 288  | 393  | 189              | 232  | 273  | 311  | 418  |
| 500              | 55/45                                  | 69               | 87   | 104  | 122  | 172  | 110              | 137  | 161  | 185  | 248  | 121              | 148  | 174  | 199  | 265  |
|                  | 90/70                                  | 209              | 265  | 321  | 372  | 520  | 331              | 412  | 489  | 563  | 777  | 368              | 452  | 532  | 608  | 824  |
|                  | 75/65                                  | 167              | 212  | 255  | 297  | 416  | 265              | 329  | 390  | 449  | 616  | 294              | 361  | 424  | 485  | 654  |
| 600              | 70/55                                  | 134              | 170  | 205  | 238  | 335  | 214              | 265  | 314  | 361  | 492  | 236              | 290  | 341  | 389  | 523  |
|                  | 55/45                                  | 86               | 109  | 130  | 152  | 216  | 138              | 171  | 201  | 231  | 310  | 151              | 185  | 218  | 248  | 332  |
|                  | 90/70                                  | 251              | 318  | 385  | 447  | 624  | 397              | 494  | 586  | 675  | 933  | 442              | 543  | 639  | 730  | 988  |
| 700              | 75/65                                  | 200              | 254  | 306  | 356  | 499  | 318              | 395  | 468  | 538  | 739  | 352              | 433  | 509  | 581  | 784  |
|                  | 70/55                                  | 161              | 204  | 245  | 286  | 402  | 257              | 318  | 377  | 433  | 590  | 283              | 348  | 409  | 467  | 628  |
|                  | 55/45                                  | 103              | 131  | 156  | 182  | 259  | 166              | 205  | 242  | 277  | 372  | 181              | 222  | 261  | 298  | 398  |
| 800              | 90/70                                  | 292              | 371  | 449  | 521  | 728  | 463              | 576  | 684  | 788  | 1088 | 515              | 633  | 745  | 852  | 1153 |
|                  | 75/65                                  | 233              | 296  | 357  | 415  | 582  | 371              | 461  | 546  | 628  | 862  | 411              | 505  | 594  | 678  | 915  |
|                  | 70/55                                  | 187              | 238  | 286  | 333  | 469  | 299              | 371  | 440  | 505  | 688  | 330              | 406  | 477  | 545  | 732  |
| 900              | 55/45                                  | 120              | 152  | 182  | 213  | 302  | 193              | 239  | 282  | 323  | 434  | 212              | 260  | 305  | 348  | 464  |
|                  | 90/70                                  | 334              | 425  | 513  | 596  | 832  | 530              | 658  | 782  | 900  | 1244 | 589              | 724  | 852  | 974  | 1318 |
|                  | 75/65                                  | 266              | 338  | 408  | 474  | 665  | 424              | 526  | 624  | 718  | 985  | 470              | 577  | 678  | 775  | 1046 |
| 1000             | 70/55                                  | 214              | 272  | 327  | 381  | 536  | 342              | 424  | 502  | 577  | 787  | 378              | 464  | 545  | 623  | 837  |
|                  | 55/45                                  | 137              | 174  | 208  | 243  | 345  | 221              | 273  | 322  | 369  | 497  | 242              | 297  | 348  | 397  | 531  |
|                  | 90/70                                  | 376              | 478  | 577  | 670  | 936  | 596              | 741  | 879  | 1013 | 1399 | 662              | 814  | 958  | 1095 | 1482 |
| 1100             | 75/65                                  | 300              | 381  | 459  | 534  | 748  | 477              | 592  | 702  | 807  | 1108 | 528              | 649  | 763  | 872  | 1176 |
|                  | 70/55                                  | 241              | 306  | 368  | 429  | 603  | 385              | 477  | 565  | 649  | 885  | 425              | 522  | 613  | 700  | 942  |
|                  | 55/45                                  | 154              | 196  | 234  | 274  | 388  | 248              | 307  | 363  | 415  | 559  | 272              | 334  | 392  | 447  | 597  |
| 1200             | 90/70                                  | 418              | 531  | 641  | 745  | 1040 | 662              | 823  | 977  | 1125 | 1555 | 736              | 905  | 1064 | 1217 | 1647 |
|                  | 75/65                                  | 333              | 423  | 510  | 593  | 831  | 530              | 658  | 780  | 897  | 1231 | 587              | 721  | 848  | 969  | 1307 |
|                  | 70/55                                  | 268              | 340  | 409  | 476  | 670  | 428              | 530  | 628  | 721  | 983  | 472              | 580  | 681  | 778  | 1046 |
| 1300             | 55/45                                  | 172              | 218  | 260  | 304  | 431  | 276              | 341  | 403  | 461  | 621  | 302              | 371  | 435  | 497  | 664  |
|                  | 90/70                                  | 459              | 584  | 706  | 819  | 1144 | 728              | 905  | 1075 | 1238 | 1710 | 810              | 995  | 1171 | 1339 | 1812 |
|                  | 75/65                                  | 366              | 465  | 561  | 652  | 914  | 583              | 724  | 858  | 987  | 1354 | 646              | 793  | 933  | 1066 | 1438 |
| 1400             | 70/55                                  | 295              | 374  | 450  | 524  | 737  | 471              | 583  | 691  | 793  | 1081 | 519              | 638  | 749  | 856  | 1151 |
|                  | 55/45                                  | 189              | 239  | 286  | 334  | 474  | 304              | 375  | 443  | 508  | 683  | 333              | 408  | 479  | 547  | 730  |
|                  | 90/70                                  | 501              | 637  | 770  | 894  | 1247 | 794              | 988  | 1172 | 1350 | 1866 | 883              | 1085 | 1277 | 1460 | 1976 |
| 1500             | 75/65                                  | 400              | 508  | 612  | 712  | 997  | 636              | 790  | 936  | 1076 | 1477 | 704              | 865  | 1018 | 1163 | 1568 |
|                  | 70/55                                  | 321              | 408  | 491  | 571  | 804  | 513              | 637  | 754  | 865  | 1180 | 567              | 696  | 818  | 934  | 1255 |
|                  | 55/45                                  | 206              | 261  | 312  | 365  | 517  | 331              | 410  | 484  | 554  | 745  | 363              | 445  | 523  | 596  | 796  |
| 1600             | 90/70                                  | 585              | 743  | 898  | 1043 | 1455 | 927              | 1152 | 1368 | 1575 | 2177 | 1030             | 1266 | 1490 | 1704 | 2306 |
|                  | 75/65                                  | 466              | 592  | 714  | 830  | 1163 | 742              | 921  | 1092 | 1256 | 1723 | 822              | 1009 | 1187 | 1357 | 1830 |
|                  | 70/55                                  | 375              | 476  | 573  | 667  | 938  | 599              | 743  | 879  | 1010 | 1376 | 661              | 811  | 954  | 1089 | 1465 |
| 1700             | 55/45                                  | 240              | 305  | 365  | 426  | 603  | 387              | 478  | 564  | 646  | 869  | 423              | 519  | 610  | 696  | 929  |
|                  | 90/70                                  | 668              | 849  | 1026 | 1192 | 1663 | 1059             | 1317 | 1563 | 1800 | 2488 | 1178             | 1447 | 1703 | 1947 | 2635 |
|                  | 75/65                                  | 533              | 677  | 816  | 949  | 1330 | 848              | 1053 | 1248 | 1435 | 1970 | 939              | 1154 | 1357 | 1550 | 2091 |
| 1800             | 70/55                                  | 429              | 544  | 654  | 762  | 1072 | 685              | 849  | 1005 | 1154 | 1573 | 755              | 927  | 1090 | 1245 | 1674 |
|                  | 55/45                                  | 274              | 348  | 417  | 486  | 690  | 442              | 546  | 645  | 738  | 993  | 484              | 593  | 697  | 795  | 1062 |
|                  | 90/70                                  | 752              | 955  | 1155 | 1341 | 1871 | 1192             | 1482 | 1759 | 2025 | 2799 | 1325             | 1628 | 1916 | 2191 | 2965 |
| 1900             | 75/65                                  | 599              | 761  | 918  | 1067 | 1496 | 954              | 1184 | 1404 | 1615 | 2216 | 1057             | 1298 | 1526 | 1744 | 2353 |
|                  | 70/55                                  | 482              | 612  | 736  | 857  | 1206 | 770              | 955  | 1130 | 1298 | 1770 | 850              | 1043 | 1226 | 1401 | 1883 |
|                  | 55/45                                  | 309              | 392  | 469  | 547  | 776  | 497              | 614  | 725  | 831  | 1117 | 544              | 667  | 784  | 894  | 1194 |
| 2000             | 90/70                                  | 835              | 1061 | 1283 | 1490 | 2079 | 1324             | 1646 | 1954 | 2250 | 3110 | 1472             | 1809 | 2129 | 2434 | 3294 |
|                  | 75/65                                  | 666              | 846  | 1020 | 1186 | 1662 | 1060             | 1316 | 1560 | 1794 | 2462 | 1174             | 1442 | 1696 | 1938 | 2614 |
|                  | 70/55                                  | 536              | 680  | 818  | 952  | 1340 | 856              | 1061 | 1256 | 1442 | 1966 | 944              | 1159 | 1363 | 1556 | 2092 |
| 2100             | 55/45                                  | 343              | 435  | 521  | 608  | 862  | 552              | 683  | 806  | 923  | 1241 | 605              | 742  | 871  | 994  | 1327 |
|                  | 90/70                                  | 960              | 1221 | 1475 | 1713 | 2391 | 1523             | 1893 | 2247 | 2588 | 3576 | 1693             | 2080 | 2448 | 2799 | 3788 |
|                  | 75/65                                  | 766              | 973  | 1173 | 1364 | 1911 | 1219             | 1513 | 1794 | 2063 | 2831 | 1350             | 1658 | 1950 | 2229 | 3006 |
| 2200             | 70/55                                  | 616              | 782  | 941  | 1095 | 1541 | 984              | 1220 | 1444 | 1659 | 2261 | 1086             | 1333 | 1567 | 1790 | 2406 |
|                  | 55/45                                  | 395              | 500  | 599  | 699  | 991  | 635              | 785  | 927  | 1061 | 1428 | 695              | 853  | 1002 | 1143 | 1526 |
|                  | 90/70                                  | 1086             | 1380 | 1668 | 1937 | 2703 | 1721             | 2140 | 2540 | 2926 | 4043 | 1914             | 2352 | 2768 | 3164 | 4282 |
| 2300             | 75/65                                  | 866              | 1100 | 1326 | 1542 | 2161 | 1378             | 1711 | 2028 | 2332 | 3201 | 1526             | 1875 | 2205 | 2519 | 3398 |
|                  | 70/55                                  | 696              | 884  | 1063 | 1238 | 1742 | 1112             | 1379 | 1633 | 1875 | 2556 | 1227             | 1507 | 1771 | 2023 | 2720 |
|                  | 55/45                                  | 446              | 566  | 677  | 790  | 1121 | 718              | 888  | 1048 | 1200 | 1614 | 786              | 964  | 1132 | 1292 | 1725 |
| 2400             | 90/70                                  | 1253             | 1592 | 1924 | 2234 | 3119 | 1986             | 2469 | 2931 | 3376 | 4665 | 2208             | 2714 | 3193 | 3651 | 4941 |
|                  | 75/65                                  | 999              | 1269 | 1530 | 1779 | 2493 | 1590             | 1974 | 2340 | 2691 | 3693 | 1761             | 2163 | 2544 | 2907 | 3921 |
|                  | 70/55                                  | 803              | 1020 | 1227 | 1429 | 2010 | 1284             | 1591 | 1884 | 2163 | 2949 | 1416             | 1739 | 2044 | 2335 | 3139 |
| 2500             | 55/45                                  | 515              | 653  | 781  | 912  | 1293 | 828              | 1024 | 1209 | 1384 | 1862 | 907              | 1112 | 1306 | 1491 | 1991 |



# RADIK® PLAN VKM

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 21 PLAN VKM |      |      |      |      | Type 22 PLAN VKM |      |      |      |      | Type 33 PLAN VKM |      |      |      |       |
|------------------|----------------------------------------|------------------|------|------|------|------|------------------|------|------|------|------|------------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]    |      |      |      |      |                  |      |      |      |      |                  |      |      |      |       |
|                  |                                        | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 362              | 456  | 542  | 621  | 821  | 459              | 586  | 706  | 819  | 1124 |                  |      |      |      |       |
|                  | 75/65                                  | 288              | 362  | 429  | 490  | 647  | 366              | 466  | 560  | 648  | 886  |                  |      |      |      |       |
|                  | 70/55                                  | 231              | 289  | 342  | 391  | 514  | 294              | 374  | 448  | 518  | 705  |                  |      |      |      |       |
|                  | 55/45                                  | 147              | 183  | 216  | 245  | 321  | 188              | 238  | 284  | 327  | 441  |                  |      |      |      |       |
| 500              | 90/70                                  | 453              | 570  | 677  | 776  | 1027 | 573              | 732  | 882  | 1024 | 1405 | 845              | 1067 | 1276 | 1477 | 2052  |
|                  | 75/65                                  | 360              | 452  | 536  | 613  | 809  | 457              | 583  | 700  | 811  | 1108 | 669              | 845  | 1011 | 1171 | 1616  |
|                  | 70/55                                  | 289              | 362  | 428  | 488  | 642  | 367              | 467  | 560  | 647  | 881  | 534              | 674  | 808  | 936  | 1283  |
|                  | 55/45                                  | 184              | 229  | 270  | 307  | 401  | 235              | 298  | 355  | 409  | 551  | 336              | 426  | 511  | 592  | 801   |
| 600              | 90/70                                  | 543              | 684  | 813  | 932  | 1232 | 688              | 879  | 1059 | 1228 | 1686 | 1014             | 1280 | 1532 | 1772 | 2462  |
|                  | 75/65                                  | 432              | 542  | 643  | 736  | 970  | 548              | 699  | 840  | 973  | 1329 | 802              | 1013 | 1213 | 1405 | 1939  |
|                  | 70/55                                  | 346              | 434  | 514  | 586  | 771  | 441              | 561  | 672  | 777  | 1057 | 640              | 809  | 969  | 1123 | 1540  |
|                  | 55/45                                  | 220              | 275  | 324  | 368  | 482  | 282              | 357  | 426  | 491  | 662  | 404              | 511  | 613  | 710  | 962   |
| 700              | 90/70                                  | 634              | 798  | 948  | 1087 | 1437 | 803              | 1025 | 1235 | 1433 | 1967 | 1183             | 1493 | 1787 | 2068 | 2873  |
|                  | 75/65                                  | 504              | 633  | 750  | 858  | 1132 | 640              | 816  | 980  | 1135 | 1551 | 936              | 1182 | 1415 | 1639 | 2262  |
|                  | 70/55                                  | 404              | 506  | 599  | 684  | 899  | 514              | 654  | 784  | 906  | 1233 | 747              | 944  | 1131 | 1310 | 1797  |
|                  | 55/45                                  | 257              | 321  | 378  | 429  | 562  | 329              | 417  | 498  | 572  | 772  | 471              | 596  | 715  | 829  | 1122  |
| 800              | 90/70                                  | 725              | 912  | 1084 | 1242 | 1643 | 917              | 1172 | 1411 | 1638 | 2248 | 1352             | 1707 | 2042 | 2363 | 3283  |
|                  | 75/65                                  | 576              | 723  | 858  | 981  | 1294 | 731              | 932  | 1120 | 1297 | 1772 | 1070             | 1351 | 1618 | 1873 | 2585  |
|                  | 70/55                                  | 462              | 579  | 685  | 781  | 1028 | 588              | 748  | 896  | 1036 | 1409 | 854              | 1079 | 1293 | 1497 | 2053  |
|                  | 55/45                                  | 294              | 367  | 432  | 491  | 642  | 376              | 476  | 569  | 654  | 882  | 538              | 681  | 817  | 947  | 1282  |
| 900              | 90/70                                  | 815              | 1026 | 1219 | 1397 | 1848 | 1032             | 1318 | 1588 | 1843 | 2529 | 1521             | 1920 | 2297 | 2658 | 3694  |
|                  | 75/65                                  | 648              | 814  | 965  | 1103 | 1455 | 823              | 1049 | 1260 | 1459 | 1994 | 1203             | 1520 | 1820 | 2107 | 2908  |
|                  | 70/55                                  | 520              | 651  | 770  | 879  | 1156 | 661              | 841  | 1009 | 1165 | 1586 | 960              | 1214 | 1454 | 1684 | 2310  |
|                  | 55/45                                  | 331              | 412  | 486  | 552  | 722  | 423              | 536  | 640  | 736  | 993  | 606              | 766  | 919  | 1066 | 1442  |
| 1000             | 90/70                                  | 906              | 1140 | 1355 | 1553 | 2053 | 1147             | 1465 | 1764 | 2047 | 2810 | 1690             | 2134 | 2553 | 2954 | 4104  |
|                  | 75/65                                  | 720              | 904  | 1072 | 1226 | 1617 | 914              | 1165 | 1400 | 1621 | 2215 | 1337             | 1689 | 2022 | 2341 | 3231  |
|                  | 70/55                                  | 577              | 723  | 856  | 977  | 1285 | 735              | 935  | 1121 | 1295 | 1762 | 1067             | 1349 | 1616 | 1872 | 2567  |
|                  | 55/45                                  | 367              | 458  | 540  | 614  | 803  | 470              | 595  | 711  | 818  | 1103 | 673              | 851  | 1021 | 1184 | 1603  |
| 1100             | 90/70                                  | 996              | 1254 | 1490 | 1708 | 2259 | 1261             | 1611 | 1941 | 2252 | 3091 | 1859             | 2347 | 2808 | 3249 | 4514  |
|                  | 75/65                                  | 792              | 994  | 1179 | 1349 | 1779 | 1005             | 1282 | 1540 | 1783 | 2437 | 1471             | 1858 | 2224 | 2575 | 3554  |
|                  | 70/55                                  | 635              | 796  | 941  | 1074 | 1413 | 808              | 1028 | 1233 | 1424 | 1938 | 1174             | 1484 | 1777 | 2059 | 2823  |
|                  | 55/45                                  | 404              | 504  | 594  | 675  | 883  | 517              | 655  | 782  | 899  | 1213 | 740              | 937  | 1123 | 1303 | 1763  |
| 1200             | 90/70                                  | 1087             | 1368 | 1625 | 1863 | 2464 | 1376             | 1758 | 2117 | 2457 | 3372 | 2028             | 2560 | 3063 | 3544 | 4925  |
|                  | 75/65                                  | 864              | 1085 | 1286 | 1471 | 1940 | 1097             | 1398 | 1680 | 1945 | 2658 | 1604             | 2027 | 2426 | 2809 | 3877  |
|                  | 70/55                                  | 693              | 868  | 1027 | 1172 | 1542 | 882              | 1121 | 1345 | 1554 | 2114 | 1281             | 1619 | 1939 | 2246 | 3080  |
|                  | 55/45                                  | 441              | 550  | 648  | 736  | 963  | 564              | 714  | 853  | 981  | 1323 | 807              | 1022 | 1225 | 1421 | 1923  |
| 1400             | 90/70                                  | 1268             | 1596 | 1896 | 2174 | 2875 | 1605             | 2051 | 2470 | 2866 | 3934 | 2366             | 2987 | 3574 | 4135 | 5745  |
|                  | 75/65                                  | 1008             | 1266 | 1501 | 1716 | 2264 | 1280             | 1631 | 1960 | 2269 | 3101 | 1872             | 2365 | 2831 | 3277 | 4523  |
|                  | 70/55                                  | 808              | 1013 | 1198 | 1367 | 1799 | 1029             | 1308 | 1569 | 1813 | 2466 | 1494             | 1888 | 2262 | 2620 | 3593  |
|                  | 55/45                                  | 514              | 642  | 756  | 859  | 1124 | 658              | 833  | 995  | 1145 | 1544 | 942              | 1192 | 1430 | 1658 | 2244  |
| 1600             | 90/70                                  | 1449             | 1824 | 2167 | 2484 | 3285 | 1835             | 2344 | 2823 | 3276 | 4496 | 2704             | 3414 | 4084 | 4726 | 6566  |
|                  | 75/65                                  | 1152             | 1446 | 1715 | 1962 | 2587 | 1462             | 1864 | 2240 | 2594 | 3544 | 2139             | 2702 | 3235 | 3746 | 5170  |
|                  | 70/55                                  | 924              | 1157 | 1369 | 1563 | 2056 | 1176             | 1495 | 1793 | 2072 | 2819 | 1707             | 2158 | 2585 | 2995 | 4107  |
|                  | 55/45                                  | 588              | 733  | 864  | 982  | 1284 | 752              | 953  | 1137 | 1308 | 1765 | 1077             | 1362 | 1634 | 1895 | 2564  |
| 1800             | 90/70                                  | 1630             | 2052 | 2438 | 2795 | 3696 | 2064             | 2637 | 3176 | 3685 | 5058 | 3042             | 3840 | 4595 | 5317 | 7387  |
|                  | 75/65                                  | 1296             | 1627 | 1930 | 2207 | 2911 | 1645             | 2097 | 2520 | 2918 | 3987 | 2407             | 3040 | 3640 | 4214 | 5816  |
|                  | 70/55                                  | 1039             | 1302 | 1541 | 1758 | 2313 | 1323             | 1682 | 2017 | 2331 | 3171 | 1921             | 2428 | 2908 | 3369 | 4620  |
|                  | 55/45                                  | 661              | 825  | 972  | 1104 | 1445 | 846              | 1072 | 1279 | 1472 | 1985 | 1211             | 1533 | 1838 | 2131 | 2885  |
| 2000             | 90/70                                  | 1812             | 2279 | 2709 | 3105 | 4107 | 2293             | 2930 | 3528 | 4095 | 5620 | 3380             | 4267 | 5105 | 5907 | 8208  |
|                  | 75/65                                  | 1440             | 1808 | 2144 | 2452 | 3234 | 1828             | 2330 | 2800 | 3242 | 4430 | 2674             | 3378 | 4044 | 4682 | 6462  |
|                  | 70/55                                  | 1155             | 1447 | 1712 | 1954 | 2570 | 1470             | 1869 | 2241 | 2589 | 3523 | 2134             | 2698 | 3231 | 3743 | 5133  |
|                  | 55/45                                  | 735              | 917  | 1080 | 1227 | 1605 | 940              | 1191 | 1421 | 1635 | 2206 | 1346             | 1703 | 2042 | 2368 | 3205  |
| 2300             | 90/70                                  | 2083             | 2621 | 3115 | 3571 | 4723 | 2637             | 3369 | 4058 | 4709 | 6463 | 3887             | 4907 | 5871 | 6794 | 9439  |
|                  | 75/65                                  | 1656             | 2079 | 2466 | 2820 | 3719 | 2102             | 2680 | 3220 | 3728 | 5095 | 3075             | 3885 | 4651 | 5384 | 7431  |
|                  | 70/55                                  | 1328             | 1664 | 1969 | 2247 | 2955 | 1690             | 2149 | 2577 | 2978 | 4052 | 2454             | 3102 | 3716 | 4305 | 5903  |
|                  | 55/45                                  | 845              | 1054 | 1242 | 1411 | 1846 | 1081             | 1369 | 1635 | 1880 | 2536 | 1548             | 1958 | 2348 | 2723 | 3686  |
| 2600             | 90/70                                  | 2355             | 2963 | 3522 | 4037 | 5339 | 2981             | 3809 | 4587 | 5323 | 7306 | 4394             | 5547 | 6637 | 7680 | 10670 |
|                  | 75/65                                  | 1872             | 2350 | 2787 | 3188 | 4204 | 2376             | 3029 | 3640 | 4215 | 5759 | 3476             | 4391 | 5257 | 6087 | 8401  |
|                  | 70/55                                  | 1501             | 1881 | 2225 | 2540 | 3340 | 1910             | 2430 | 2914 | 3366 | 4580 | 2775             | 3507 | 4201 | 4866 | 6673  |
|                  | 55/45                                  | 955              | 1192 | 1404 | 1595 | 2087 | 1222             | 1548 | 1848 | 2126 | 2867 | 1750             | 2214 | 2655 | 3079 | 4167  |
| 3000             | 90/70                                  | 2717             | 3419 | 4064 | 4658 | 6160 | 3440             | 4394 | 5293 | 6142 | 8430 | 5069             | 6401 | 7658 | 8861 | 12312 |
|                  | 75/65                                  | 2160             | 2712 | 3216 | 3678 | 4851 | 2742             | 3495 | 4200 | 4863 | 6645 | 4011             | 5067 | 6066 | 7023 | 9693  |
|                  | 70/55                                  | 1732             | 2170 | 2568 | 2930 | 3854 | 2204             | 2804 | 3362 | 3884 | 5285 | 3201             | 4047 | 4847 | 5615 | 7700  |
|                  | 55/45                                  | 1102             | 1375 | 1620 | 1841 | 2408 | 1410             | 1786 | 2132 | 2453 | 3308 | 2019             | 2554 | 3063 | 3552 | 4808  |



# RADIK® PLAN VKM

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 10 PLAN VKM |      |      |      |      | Type 11 PLAN VKM |      |      |      |      | Type 20 PLAN VKM |      |      |      |      |
|------------------|----------------------------------------|------------------|------|------|------|------|------------------|------|------|------|------|------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]    |      |      |      |      |                  |      |      |      |      |                  |      |      |      |      |
|                  |                                        | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 160              | 203  | 245  | 285  | 398  | 254              | 315  | 374  | 431  | 594  | 282              | 346  | 407  | 466  | 630  |
|                  | 75/65                                  | 126              | 160  | 193  | 225  | 315  | 201              | 250  | 296  | 340  | 466  | 223              | 274  | 322  | 368  | 495  |
|                  | 70/55                                  | 101              | 128  | 153  | 179  | 252  | 161              | 199  | 236  | 271  | 368  | 177              | 218  | 256  | 292  | 392  |
| 500              | 55/45                                  | 63               | 79   | 95   | 111  | 158  | 101              | 125  | 147  | 169  | 226  | 110              | 135  | 159  | 181  | 242  |
|                  | 90/70                                  | 200              | 254  | 307  | 356  | 497  | 317              | 394  | 467  | 538  | 743  | 352              | 433  | 509  | 582  | 787  |
|                  | 75/65                                  | 158              | 201  | 242  | 281  | 394  | 252              | 312  | 370  | 425  | 583  | 278              | 342  | 402  | 459  | 619  |
| 600              | 70/55                                  | 126              | 160  | 192  | 223  | 315  | 201              | 249  | 295  | 338  | 460  | 222              | 272  | 320  | 365  | 490  |
|                  | 55/45                                  | 78               | 99   | 119  | 139  | 197  | 126              | 156  | 184  | 211  | 283  | 138              | 169  | 199  | 227  | 302  |
|                  | 90/70                                  | 240              | 305  | 368  | 427  | 597  | 380              | 473  | 561  | 646  | 891  | 422              | 519  | 611  | 698  | 944  |
| 700              | 75/65                                  | 190              | 241  | 290  | 337  | 473  | 302              | 375  | 444  | 510  | 699  | 334              | 410  | 483  | 551  | 743  |
|                  | 70/55                                  | 151              | 191  | 230  | 268  | 378  | 241              | 299  | 354  | 406  | 553  | 266              | 326  | 384  | 438  | 588  |
|                  | 55/45                                  | 94               | 119  | 143  | 167  | 236  | 152              | 187  | 221  | 253  | 339  | 166              | 203  | 239  | 272  | 363  |
| 800              | 90/70                                  | 280              | 355  | 429  | 499  | 696  | 444              | 551  | 654  | 753  | 1040 | 493              | 606  | 713  | 815  | 1102 |
|                  | 75/65                                  | 221              | 281  | 338  | 394  | 552  | 352              | 437  | 518  | 596  | 816  | 390              | 479  | 563  | 643  | 867  |
|                  | 70/55                                  | 176              | 223  | 269  | 313  | 440  | 281              | 349  | 413  | 474  | 645  | 310              | 381  | 448  | 511  | 686  |
| 900              | 55/45                                  | 110              | 139  | 166  | 194  | 276  | 177              | 219  | 258  | 295  | 396  | 193              | 237  | 278  | 318  | 423  |
|                  | 90/70                                  | 320              | 406  | 491  | 570  | 796  | 507              | 630  | 748  | 861  | 1188 | 563              | 692  | 814  | 931  | 1259 |
|                  | 75/65                                  | 253              | 321  | 387  | 450  | 631  | 403              | 500  | 592  | 681  | 933  | 445              | 547  | 643  | 735  | 991  |
| 1000             | 70/55                                  | 201              | 255  | 307  | 357  | 503  | 322              | 399  | 472  | 541  | 737  | 355              | 435  | 512  | 584  | 785  |
|                  | 55/45                                  | 125              | 159  | 190  | 222  | 315  | 202              | 250  | 295  | 337  | 452  | 221              | 271  | 318  | 363  | 484  |
|                  | 90/70                                  | 359              | 457  | 552  | 641  | 895  | 570              | 709  | 841  | 969  | 1337 | 634              | 779  | 916  | 1047 | 1417 |
| 1100             | 75/65                                  | 284              | 361  | 435  | 506  | 710  | 453              | 562  | 666  | 766  | 1049 | 501              | 615  | 724  | 827  | 1115 |
|                  | 70/55                                  | 226              | 287  | 345  | 402  | 566  | 362              | 448  | 531  | 609  | 829  | 399              | 490  | 575  | 657  | 883  |
|                  | 55/45                                  | 141              | 179  | 214  | 250  | 355  | 227              | 281  | 331  | 379  | 509  | 249              | 305  | 358  | 408  | 544  |
| 1200             | 90/70                                  | 399              | 508  | 613  | 712  | 995  | 634              | 788  | 935  | 1076 | 1485 | 704              | 865  | 1018 | 1164 | 1574 |
|                  | 75/65                                  | 316              | 401  | 483  | 562  | 789  | 503              | 625  | 740  | 851  | 1166 | 557              | 684  | 804  | 919  | 1238 |
|                  | 70/55                                  | 251              | 319  | 384  | 447  | 629  | 402              | 498  | 590  | 677  | 921  | 443              | 544  | 639  | 730  | 981  |
| 1300             | 55/45                                  | 157              | 199  | 238  | 278  | 394  | 253              | 312  | 368  | 422  | 565  | 276              | 339  | 398  | 454  | 605  |
|                  | 90/70                                  | 439              | 558  | 675  | 783  | 1094 | 697              | 867  | 1028 | 1184 | 1634 | 775              | 952  | 1120 | 1280 | 1731 |
|                  | 75/65                                  | 347              | 441  | 532  | 619  | 868  | 554              | 687  | 814  | 936  | 1282 | 613              | 752  | 885  | 1011 | 1362 |
| 1400             | 70/55                                  | 277              | 351  | 422  | 491  | 692  | 442              | 548  | 649  | 745  | 1013 | 487              | 598  | 703  | 803  | 1079 |
|                  | 55/45                                  | 172              | 219  | 261  | 305  | 434  | 278              | 343  | 405  | 464  | 622  | 304              | 373  | 437  | 499  | 665  |
|                  | 90/70                                  | 479              | 609  | 736  | 855  | 1194 | 761              | 945  | 1122 | 1292 | 1782 | 845              | 1038 | 1222 | 1397 | 1889 |
| 1500             | 75/65                                  | 379              | 481  | 580  | 675  | 946  | 604              | 749  | 888  | 1021 | 1399 | 668              | 821  | 965  | 1103 | 1486 |
|                  | 70/55                                  | 302              | 383  | 460  | 536  | 755  | 482              | 598  | 708  | 812  | 1105 | 532              | 653  | 767  | 876  | 1177 |
|                  | 55/45                                  | 188              | 238  | 285  | 333  | 473  | 303              | 375  | 442  | 506  | 678  | 331              | 406  | 477  | 544  | 726  |
| 1600             | 90/70                                  | 559              | 711  | 859  | 997  | 1393 | 887              | 1103 | 1309 | 1507 | 2079 | 986              | 1211 | 1425 | 1629 | 2204 |
|                  | 75/65                                  | 442              | 562  | 677  | 787  | 1104 | 704              | 874  | 1036 | 1191 | 1632 | 780              | 957  | 1126 | 1286 | 1734 |
|                  | 70/55                                  | 352              | 447  | 537  | 625  | 881  | 563              | 698  | 825  | 948  | 1289 | 620              | 762  | 895  | 1022 | 1373 |
| 1700             | 55/45                                  | 219              | 278  | 333  | 389  | 552  | 354              | 437  | 516  | 590  | 792  | 387              | 474  | 557  | 635  | 847  |
|                  | 90/70                                  | 639              | 812  | 981  | 1140 | 1592 | 1014             | 1260 | 1496 | 1722 | 2376 | 1127             | 1384 | 1629 | 1862 | 2518 |
|                  | 75/65                                  | 505              | 642  | 774  | 900  | 1262 | 805              | 999  | 1184 | 1361 | 1865 | 891              | 1094 | 1287 | 1470 | 1981 |
| 1800             | 70/55                                  | 402              | 511  | 614  | 715  | 1007 | 643              | 797  | 943  | 1083 | 1474 | 709              | 870  | 1023 | 1168 | 1569 |
|                  | 55/45                                  | 251              | 318  | 380  | 444  | 631  | 404              | 499  | 589  | 674  | 905  | 442              | 542  | 636  | 726  | 968  |
|                  | 90/70                                  | 719              | 914  | 1104 | 1282 | 1791 | 1141             | 1418 | 1683 | 1937 | 2674 | 1267             | 1557 | 1832 | 2095 | 2833 |
| 1900             | 75/65                                  | 569              | 722  | 870  | 1012 | 1420 | 906              | 1124 | 1332 | 1531 | 2098 | 1002             | 1231 | 1448 | 1654 | 2229 |
|                  | 70/55                                  | 453              | 574  | 691  | 804  | 1133 | 724              | 897  | 1061 | 1218 | 1658 | 798              | 979  | 1151 | 1314 | 1765 |
|                  | 55/45                                  | 282              | 358  | 428  | 500  | 709  | 455              | 562  | 663  | 759  | 1018 | 497              | 610  | 716  | 817  | 1089 |
| 2000             | 90/70                                  | 799              | 1015 | 1226 | 1425 | 1990 | 1268             | 1575 | 1870 | 2153 | 2971 | 1408             | 1730 | 2036 | 2328 | 3148 |
|                  | 75/65                                  | 632              | 802  | 967  | 1125 | 1577 | 1006             | 1249 | 1480 | 1702 | 2331 | 1114             | 1368 | 1608 | 1838 | 2477 |
|                  | 70/55                                  | 503              | 638  | 767  | 894  | 1258 | 804              | 997  | 1179 | 1354 | 1842 | 886              | 1088 | 1279 | 1460 | 1961 |
| 2100             | 55/45                                  | 313              | 397  | 475  | 555  | 788  | 505              | 624  | 737  | 843  | 1131 | 552              | 677  | 795  | 907  | 1210 |
|                  | 90/70                                  | 919              | 1168 | 1410 | 1638 | 2288 | 1458             | 1812 | 2150 | 2476 | 3416 | 1619             | 1990 | 2342 | 2677 | 3620 |
|                  | 75/65                                  | 727              | 923  | 1112 | 1293 | 1814 | 1157             | 1436 | 1702 | 1957 | 2681 | 1281             | 1573 | 1850 | 2113 | 2848 |
| 2200             | 70/55                                  | 578              | 734  | 882  | 1028 | 1447 | 925              | 1146 | 1356 | 1557 | 2118 | 1019             | 1251 | 1471 | 1679 | 2256 |
|                  | 55/45                                  | 360              | 457  | 547  | 638  | 907  | 581              | 718  | 847  | 970  | 1300 | 635              | 779  | 915  | 1043 | 1391 |
|                  | 90/70                                  | 1039             | 1320 | 1594 | 1852 | 2587 | 1648             | 2048 | 2431 | 2798 | 3862 | 1831             | 2250 | 2647 | 3026 | 4092 |
| 2300             | 75/65                                  | 821              | 1043 | 1257 | 1462 | 2051 | 1308             | 1624 | 1924 | 2212 | 3031 | 1448             | 1778 | 2091 | 2389 | 3220 |
|                  | 70/55                                  | 654              | 830  | 997  | 1162 | 1636 | 1045             | 1296 | 1533 | 1760 | 2395 | 1152             | 1414 | 1662 | 1898 | 2550 |
|                  | 55/45                                  | 407              | 517  | 618  | 722  | 1025 | 657              | 812  | 958  | 1096 | 1470 | 718              | 881  | 1034 | 1179 | 1573 |
| 2400             | 90/70                                  | 1198             | 1523 | 1840 | 2137 | 2985 | 1901             | 2363 | 2805 | 3229 | 4456 | 2112             | 2596 | 3054 | 3491 | 4722 |
|                  | 75/65                                  | 948              | 1204 | 1450 | 1687 | 2366 | 1510             | 1874 | 2220 | 2552 | 3497 | 1670             | 2052 | 2413 | 2757 | 3715 |
|                  | 70/55                                  | 754              | 957  | 1151 | 1340 | 1888 | 1206             | 1495 | 1769 | 2031 | 2763 | 1329             | 1632 | 1918 | 2190 | 2942 |
| 2500             | 55/45                                  | 470              | 596  | 713  | 833  | 1182 | 758              | 936  | 1105 | 1265 | 1696 | 829              | 1016 | 1193 | 1361 | 1815 |



# RADIK® PLAN VKM

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 21 PLAN VKM |      |      |      |      | Type 22 PLAN VKM |      |      |      |      | Type 33 PLAN VKM |      |      |      |       |
|------------------|----------------------------------------|------------------|------|------|------|------|------------------|------|------|------|------|------------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]    |      |      |      |      |                  |      |      |      |      |                  |      |      |      |       |
|                  |                                        | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900  | 300              | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 346              | 436  | 518  | 593  | 784  | 439              | 560  | 674  | 782  | 1073 |                  |      |      |      |       |
|                  | 75/65                                  | 273              | 343  | 406  | 464  | 612  | 347              | 442  | 531  | 614  | 838  |                  |      |      |      |       |
|                  | 70/55                                  | 217              | 271  | 321  | 366  | 481  | 276              | 351  | 420  | 485  | 659  |                  |      |      |      |       |
|                  | 55/45                                  | 134              | 167  | 197  | 223  | 292  | 172              | 217  | 259  | 298  | 401  |                  |      |      |      |       |
| 500              | 90/70                                  | 433              | 545  | 647  | 741  | 980  | 548              | 700  | 843  | 978  | 1341 | 807              | 1019 | 1219 | 1411 | 1958  |
|                  | 75/65                                  | 341              | 428  | 508  | 580  | 765  | 433              | 552  | 663  | 768  | 1048 | 633              | 800  | 958  | 1109 | 1528  |
|                  | 70/55                                  | 271              | 339  | 401  | 457  | 601  | 345              | 438  | 525  | 606  | 824  | 500              | 632  | 757  | 877  | 1200  |
|                  | 55/45                                  | 168              | 209  | 246  | 279  | 365  | 215              | 272  | 324  | 372  | 501  | 306              | 388  | 465  | 540  | 728   |
| 600              | 90/70                                  | 520              | 653  | 776  | 889  | 1176 | 658              | 840  | 1012 | 1173 | 1609 | 968              | 1223 | 1463 | 1693 | 2350  |
|                  | 75/65                                  | 409              | 514  | 609  | 696  | 918  | 520              | 663  | 796  | 921  | 1257 | 760              | 960  | 1149 | 1330 | 1833  |
|                  | 70/55                                  | 325              | 407  | 481  | 549  | 721  | 414              | 526  | 630  | 728  | 989  | 600              | 758  | 908  | 1052 | 1440  |
|                  | 55/45                                  | 201              | 251  | 295  | 335  | 438  | 258              | 326  | 389  | 447  | 602  | 368              | 465  | 558  | 647  | 874   |
| 700              | 90/70                                  | 606              | 762  | 906  | 1038 | 1372 | 768              | 980  | 1180 | 1369 | 1877 | 1130             | 1427 | 1707 | 1975 | 2741  |
|                  | 75/65                                  | 478              | 600  | 711  | 812  | 1071 | 607              | 773  | 929  | 1075 | 1467 | 886              | 1120 | 1341 | 1552 | 2139  |
|                  | 70/55                                  | 379              | 475  | 561  | 640  | 841  | 483              | 614  | 735  | 849  | 1154 | 700              | 885  | 1060 | 1228 | 1680  |
|                  | 55/45                                  | 235              | 292  | 344  | 391  | 511  | 301              | 380  | 454  | 521  | 702  | 429              | 543  | 651  | 755  | 1020  |
| 800              | 90/70                                  | 693              | 871  | 1035 | 1186 | 1568 | 877              | 1120 | 1349 | 1565 | 2145 | 1291             | 1630 | 1951 | 2258 | 3133  |
|                  | 75/65                                  | 546              | 685  | 812  | 928  | 1223 | 694              | 884  | 1061 | 1228 | 1676 | 1013             | 1280 | 1532 | 1774 | 2445  |
|                  | 70/55                                  | 433              | 542  | 641  | 731  | 961  | 552              | 701  | 840  | 970  | 1319 | 800              | 1011 | 1211 | 1403 | 1921  |
|                  | 55/45                                  | 268              | 334  | 393  | 447  | 584  | 344              | 435  | 518  | 596  | 802  | 490              | 620  | 744  | 863  | 1165  |
| 900              | 90/70                                  | 779              | 980  | 1164 | 1334 | 1763 | 987              | 1260 | 1517 | 1760 | 2414 | 1453             | 1834 | 2195 | 2540 | 3524  |
|                  | 75/65                                  | 614              | 771  | 914  | 1044 | 1376 | 780              | 994  | 1194 | 1382 | 1886 | 1139             | 1440 | 1724 | 1996 | 2750  |
|                  | 70/55                                  | 487              | 610  | 722  | 823  | 1082 | 621              | 789  | 945  | 1092 | 1484 | 900              | 1137 | 1362 | 1578 | 2161  |
|                  | 55/45                                  | 302              | 376  | 443  | 503  | 657  | 386              | 489  | 583  | 670  | 903  | 552              | 698  | 837  | 971  | 1311  |
| 1000             | 90/70                                  | 866              | 1089 | 1294 | 1482 | 1959 | 1097             | 1400 | 1686 | 1956 | 2682 | 1614             | 2038 | 2439 | 2822 | 3916  |
|                  | 75/65                                  | 682              | 856  | 1015 | 1160 | 1529 | 867              | 1104 | 1327 | 1535 | 2095 | 1266             | 1599 | 1915 | 2217 | 3056  |
|                  | 70/55                                  | 541              | 678  | 802  | 914  | 1202 | 690              | 877  | 1050 | 1213 | 1648 | 1000             | 1264 | 1514 | 1754 | 2401  |
|                  | 55/45                                  | 335              | 418  | 492  | 558  | 730  | 429              | 543  | 648  | 745  | 1003 | 613              | 776  | 930  | 1079 | 1457  |
| 1100             | 90/70                                  | 952              | 1198 | 1423 | 1630 | 2155 | 1206             | 1541 | 1855 | 2151 | 2950 | 1775             | 2242 | 2682 | 3104 | 4307  |
|                  | 75/65                                  | 751              | 942  | 1117 | 1276 | 1682 | 954              | 1215 | 1459 | 1689 | 2305 | 1393             | 1759 | 2107 | 2439 | 3361  |
|                  | 70/55                                  | 596              | 746  | 882  | 1006 | 1322 | 759              | 964  | 1156 | 1334 | 1813 | 1099             | 1390 | 1665 | 1929 | 2641  |
|                  | 55/45                                  | 369              | 460  | 541  | 614  | 803  | 472              | 598  | 713  | 819  | 1103 | 674              | 853  | 1023 | 1187 | 1602  |
| 1200             | 90/70                                  | 1039             | 1307 | 1553 | 1779 | 2351 | 1316             | 1681 | 2023 | 2347 | 3218 | 1937             | 2446 | 2926 | 3387 | 4699  |
|                  | 75/65                                  | 819              | 1028 | 1218 | 1392 | 1835 | 1040             | 1325 | 1592 | 1842 | 2515 | 1519             | 1919 | 2298 | 2661 | 3667  |
|                  | 70/55                                  | 650              | 813  | 962  | 1097 | 1442 | 828              | 1052 | 1261 | 1456 | 1978 | 1199             | 1516 | 1817 | 2105 | 2881  |
|                  | 55/45                                  | 402              | 501  | 590  | 670  | 875  | 515              | 652  | 778  | 894  | 1203 | 735              | 931  | 1116 | 1295 | 1748  |
| 1400             | 90/70                                  | 1212             | 1525 | 1811 | 2075 | 2743 | 1535             | 1961 | 2360 | 2738 | 3755 | 2260             | 2853 | 3414 | 3951 | 5482  |
|                  | 75/65                                  | 955              | 1199 | 1421 | 1624 | 2141 | 1214             | 1546 | 1857 | 2149 | 2934 | 1772             | 2239 | 2681 | 3104 | 4278  |
|                  | 70/55                                  | 758              | 949  | 1122 | 1280 | 1682 | 965              | 1227 | 1471 | 1698 | 2308 | 1399             | 1769 | 2119 | 2455 | 3361  |
|                  | 55/45                                  | 469              | 585  | 689  | 782  | 1021 | 601              | 761  | 907  | 1043 | 1404 | 858              | 1086 | 1302 | 1511 | 2039  |
| 1600             | 90/70                                  | 1385             | 1743 | 2070 | 2372 | 3135 | 1755             | 2241 | 2698 | 3129 | 4291 | 2582             | 3261 | 3902 | 4515 | 6265  |
|                  | 75/65                                  | 1092             | 1370 | 1624 | 1857 | 2447 | 1387             | 1767 | 2122 | 2456 | 3353 | 2026             | 2559 | 3064 | 3548 | 4889  |
|                  | 70/55                                  | 866              | 1085 | 1283 | 1463 | 1923 | 1103             | 1403 | 1681 | 1941 | 2637 | 1599             | 2022 | 2422 | 2806 | 3841  |
|                  | 55/45                                  | 536              | 668  | 787  | 893  | 1167 | 687              | 869  | 1037 | 1192 | 1605 | 981              | 1241 | 1489 | 1727 | 2331  |
| 1800             | 90/70                                  | 1559             | 1960 | 2329 | 2668 | 3527 | 1974             | 2521 | 3035 | 3520 | 4827 | 2905             | 3668 | 4390 | 5080 | 7049  |
|                  | 75/65                                  | 1228             | 1542 | 1827 | 2089 | 2753 | 1560             | 1988 | 2388 | 2763 | 3772 | 2279             | 2879 | 3447 | 3991 | 5500  |
|                  | 70/55                                  | 975              | 1220 | 1443 | 1646 | 2163 | 1241             | 1578 | 1891 | 2183 | 2967 | 1799             | 2274 | 2725 | 3157 | 4321  |
|                  | 55/45                                  | 603              | 752  | 885  | 1005 | 1313 | 773              | 978  | 1166 | 1341 | 1805 | 1103             | 1396 | 1675 | 1942 | 2622  |
| 2000             | 90/70                                  | 1732             | 2178 | 2588 | 2965 | 3919 | 2194             | 2801 | 3372 | 3911 | 5364 | 3228             | 4076 | 4877 | 5644 | 7832  |
|                  | 75/65                                  | 1365             | 1713 | 2030 | 2321 | 3059 | 1734             | 2209 | 2653 | 3070 | 4191 | 2532             | 3199 | 3830 | 4435 | 6112  |
|                  | 70/55                                  | 1083             | 1356 | 1603 | 1829 | 2404 | 1379             | 1753 | 2101 | 2426 | 3297 | 1999             | 2527 | 3028 | 3508 | 4801  |
|                  | 55/45                                  | 670              | 836  | 984  | 1117 | 1459 | 859              | 1087 | 1296 | 1489 | 2006 | 1226             | 1551 | 1861 | 2158 | 2913  |
| 2300             | 90/70                                  | 1992             | 2505 | 2976 | 3409 | 4507 | 2523             | 3221 | 3878 | 4498 | 6168 | 3712             | 4687 | 5609 | 6491 | 9007  |
|                  | 75/65                                  | 1570             | 1970 | 2335 | 2669 | 3518 | 1994             | 2540 | 3051 | 3531 | 4820 | 2912             | 3679 | 4405 | 5100 | 7028  |
|                  | 70/55                                  | 1245             | 1559 | 1844 | 2103 | 2764 | 1586             | 2016 | 2416 | 2790 | 3791 | 2299             | 2906 | 3482 | 4034 | 5522  |
|                  | 55/45                                  | 771              | 961  | 1131 | 1284 | 1678 | 988              | 1250 | 1490 | 1713 | 2307 | 1409             | 1784 | 2140 | 2482 | 3350  |
| 2600             | 90/70                                  | 2251             | 2832 | 3364 | 3854 | 5095 | 2852             | 3641 | 4384 | 5085 | 6973 | 4196             | 5299 | 6340 | 7337 | 10181 |
|                  | 75/65                                  | 1774             | 2227 | 2639 | 3017 | 3976 | 2254             | 2871 | 3449 | 3991 | 5448 | 3291             | 4159 | 4979 | 5765 | 7945  |
|                  | 70/55                                  | 1408             | 1763 | 2084 | 2377 | 3125 | 1793             | 2279 | 2731 | 3154 | 4286 | 2599             | 3285 | 3936 | 4560 | 6242  |
|                  | 55/45                                  | 872              | 1086 | 1279 | 1452 | 1897 | 1117             | 1413 | 1685 | 1936 | 2607 | 1593             | 2017 | 2419 | 2806 | 3787  |
| 3000             | 90/70                                  | 2598             | 3267 | 3881 | 4447 | 5878 | 3290             | 4201 | 5058 | 5867 | 8045 | 4842             | 6114 | 7316 | 8466 | 11748 |
|                  | 75/65                                  | 2047             | 2569 | 3045 | 3481 | 4588 | 2601             | 3313 | 3980 | 4605 | 6286 | 3798             | 4798 | 5745 | 6652 | 9167  |
|                  | 70/55                                  | 1624             | 2034 | 2405 | 2743 | 3605 | 2069             | 2630 | 3151 | 3639 | 4945 | 2999             | 3791 | 4541 | 5262 | 7202  |
|                  | 55/45                                  | 1006             | 1253 | 1475 | 1675 | 2189 | 1288             | 1630 | 1944 | 2234 | 3009 | 1838             | 2327 | 2791 | 3237 | 4370  |



# RADIK<sup>®</sup> MM

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 10 MM    |      |      |      |      | Type 11 MM |      |      |      |      | Type 20 MM |      |      |      |      |
|------------------|----------------------------------------|---------------|------|------|------|------|------------|------|------|------|------|------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |            |      |      |      |      |            |      |      |      |      |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  |               |      |      |      |      | 317        | 404  | 487  | 566  | 785  | 324        | 411  | 495  | 579  | 828  |
|                  | 75/65                                  |               |      |      |      |      | 258        | 329  | 396  | 460  | 636  | 263        | 333  | 401  | 468  | 668  |
|                  | 70/55                                  |               |      |      |      |      | 213        | 271  | 326  | 378  | 522  | 216        | 273  | 328  | 383  | 545  |
|                  | 55/45                                  |               |      |      |      |      | 145        | 184  | 221  | 256  | 351  | 146        | 184  | 221  | 257  | 364  |
| 500              | 90/70                                  | 250           | 323  | 393  | 460  | 648  | 396        | 505  | 608  | 708  | 982  | 405        | 514  | 619  | 724  | 1035 |
|                  | 75/65                                  | 203           | 262  | 319  | 374  | 525  | 323        | 411  | 495  | 575  | 795  | 329        | 416  | 501  | 585  | 835  |
|                  | 70/55                                  | 167           | 216  | 262  | 307  | 431  | 266        | 339  | 408  | 473  | 652  | 270        | 342  | 411  | 479  | 681  |
|                  | 55/45                                  | 113           | 146  | 177  | 208  | 290  | 181        | 230  | 277  | 320  | 439  | 183        | 230  | 276  | 321  | 455  |
| 600              | 90/70                                  | 300           | 388  | 471  | 552  | 778  | 475        | 606  | 730  | 849  | 1178 | 486        | 616  | 743  | 869  | 1242 |
|                  | 75/65                                  | 244           | 315  | 383  | 449  | 630  | 387        | 493  | 594  | 690  | 954  | 394        | 499  | 601  | 702  | 1001 |
|                  | 70/55                                  | 200           | 259  | 315  | 369  | 517  | 320        | 407  | 489  | 568  | 783  | 324        | 410  | 493  | 575  | 818  |
|                  | 55/45                                  | 136           | 175  | 213  | 250  | 348  | 218        | 277  | 332  | 385  | 527  | 219        | 276  | 331  | 385  | 545  |
| 700              | 90/70                                  | 350           | 452  | 550  | 645  | 907  | 554        | 707  | 852  | 991  | 1374 | 567        | 719  | 867  | 1014 | 1450 |
|                  | 75/65                                  | 284           | 367  | 447  | 523  | 735  | 452        | 576  | 693  | 805  | 1113 | 460        | 583  | 701  | 820  | 1168 |
|                  | 70/55                                  | 234           | 302  | 367  | 430  | 603  | 373        | 474  | 571  | 662  | 913  | 378        | 478  | 575  | 671  | 954  |
|                  | 55/45                                  | 158           | 204  | 248  | 291  | 406  | 254        | 323  | 387  | 449  | 615  | 256        | 322  | 386  | 450  | 636  |
| 800              | 90/70                                  | 400           | 517  | 628  | 737  | 1037 | 634        | 808  | 974  | 1132 | 1571 | 648        | 822  | 990  | 1159 | 1657 |
|                  | 75/65                                  | 325           | 420  | 510  | 598  | 840  | 517        | 658  | 792  | 920  | 1272 | 526        | 666  | 802  | 937  | 1335 |
|                  | 70/55                                  | 267           | 345  | 420  | 492  | 689  | 426        | 542  | 652  | 757  | 1044 | 432        | 547  | 657  | 767  | 1090 |
|                  | 55/45                                  | 181           | 234  | 284  | 333  | 464  | 290        | 369  | 443  | 513  | 703  | 292        | 368  | 442  | 514  | 727  |
| 900              | 90/70                                  | 450           | 582  | 707  | 829  | 1167 | 713        | 909  | 1095 | 1274 | 1767 | 729        | 924  | 1114 | 1304 | 1864 |
|                  | 75/65                                  | 365           | 472  | 574  | 673  | 945  | 581        | 740  | 891  | 1035 | 1432 | 592        | 749  | 902  | 1054 | 1502 |
|                  | 70/55                                  | 301           | 388  | 472  | 553  | 775  | 479        | 610  | 734  | 852  | 1174 | 486        | 615  | 739  | 862  | 1226 |
|                  | 55/45                                  | 203           | 263  | 319  | 374  | 522  | 327        | 415  | 498  | 577  | 791  | 329        | 414  | 497  | 578  | 818  |
| 1000             | 90/70                                  | 500           | 646  | 786  | 921  | 1296 | 792        | 1010 | 1217 | 1415 | 1964 | 810        | 1027 | 1238 | 1449 | 2071 |
|                  | 75/65                                  | 406           | 525  | 638  | 748  | 1050 | 646        | 822  | 990  | 1150 | 1591 | 657        | 832  | 1002 | 1171 | 1669 |
|                  | 70/55                                  | 334           | 432  | 525  | 615  | 861  | 533        | 678  | 815  | 946  | 1305 | 540        | 683  | 821  | 958  | 1363 |
|                  | 55/45                                  | 226           | 292  | 355  | 416  | 580  | 363        | 461  | 553  | 641  | 879  | 365        | 460  | 552  | 642  | 909  |
| 1100             | 90/70                                  | 550           | 711  | 864  | 1013 | 1426 | 871        | 1111 | 1339 | 1557 | 2160 | 891        | 1130 | 1362 | 1594 | 2278 |
|                  | 75/65                                  | 447           | 577  | 702  | 823  | 1155 | 710        | 904  | 1089 | 1265 | 1750 | 723        | 916  | 1102 | 1288 | 1836 |
|                  | 70/55                                  | 367           | 475  | 577  | 676  | 948  | 586        | 746  | 897  | 1041 | 1435 | 594        | 751  | 903  | 1054 | 1499 |
|                  | 55/45                                  | 249           | 321  | 390  | 458  | 638  | 399        | 507  | 609  | 705  | 966  | 402        | 507  | 607  | 707  | 1000 |
| 1200             | 90/70                                  | 600           | 775  | 943  | 1105 | 1556 | 951        | 1212 | 1460 | 1698 | 2356 | 972        | 1232 | 1486 | 1738 | 2485 |
|                  | 75/65                                  | 487           | 630  | 766  | 897  | 1260 | 775        | 987  | 1188 | 1380 | 1909 | 789        | 999  | 1202 | 1405 | 2003 |
|                  | 70/55                                  | 401           | 518  | 630  | 738  | 1034 | 639        | 813  | 978  | 1135 | 1566 | 648        | 820  | 985  | 1150 | 1635 |
|                  | 55/45                                  | 271           | 350  | 426  | 499  | 696  | 436        | 553  | 664  | 769  | 1054 | 438        | 553  | 662  | 771  | 1091 |
| 1400             | 90/70                                  | 700           | 905  | 1100 | 1289 | 1815 | 1109       | 1414 | 1704 | 1981 | 2749 | 1134       | 1438 | 1733 | 2028 | 2899 |
|                  | 75/65                                  | 568           | 735  | 893  | 1047 | 1470 | 904        | 1151 | 1386 | 1610 | 2227 | 920        | 1165 | 1403 | 1639 | 2337 |
|                  | 70/55                                  | 468           | 604  | 734  | 861  | 1206 | 746        | 949  | 1141 | 1325 | 1827 | 756        | 956  | 1150 | 1342 | 1908 |
|                  | 55/45                                  | 316           | 409  | 497  | 582  | 812  | 508        | 645  | 775  | 897  | 1230 | 511        | 645  | 773  | 899  | 1273 |
| 1600             | 90/70                                  | 800           | 1034 | 1257 | 1473 | 2074 | 1267       | 1616 | 1947 | 2264 | 3142 | 1296       | 1643 | 1981 | 2318 | 3313 |
|                  | 75/65                                  | 650           | 840  | 1021 | 1196 | 1680 | 1033       | 1316 | 1584 | 1840 | 2545 | 1052       | 1332 | 1603 | 1873 | 2671 |
|                  | 70/55                                  | 534           | 691  | 839  | 984  | 1378 | 852        | 1084 | 1304 | 1514 | 2088 | 864        | 1093 | 1314 | 1533 | 2180 |
|                  | 55/45                                  | 362           | 467  | 568  | 666  | 928  | 581        | 737  | 885  | 1026 | 1406 | 584        | 737  | 883  | 1028 | 1455 |
| 1800             | 90/70                                  | 900           | 1163 | 1414 | 1657 | 2333 | 1426       | 1818 | 2190 | 2547 | 3534 | 1458       | 1849 | 2229 | 2608 | 3727 |
|                  | 75/65                                  | 731           | 945  | 1148 | 1346 | 1890 | 1162       | 1480 | 1782 | 2070 | 2863 | 1183       | 1498 | 1804 | 2107 | 3004 |
|                  | 70/55                                  | 601           | 777  | 944  | 1107 | 1551 | 959        | 1220 | 1467 | 1703 | 2349 | 973        | 1230 | 1478 | 1725 | 2453 |
|                  | 55/45                                  | 407           | 526  | 639  | 749  | 1044 | 653        | 830  | 996  | 1154 | 1581 | 657        | 829  | 994  | 1156 | 1636 |
| 2000             | 90/70                                  | 1000          | 1292 | 1571 | 1842 | 2593 | 1584       | 2019 | 2434 | 2830 | 3927 | 1620       | 2054 | 2476 | 2897 | 4142 |
|                  | 75/65                                  | 812           | 1050 | 1276 | 1496 | 2100 | 1291       | 1644 | 1980 | 2300 | 3181 | 1315       | 1665 | 2004 | 2342 | 3338 |
|                  | 70/55                                  | 668           | 863  | 1049 | 1230 | 1723 | 1065       | 1356 | 1631 | 1892 | 2609 | 1081       | 1366 | 1642 | 1916 | 2726 |
|                  | 55/45                                  | 452           | 584  | 710  | 832  | 1160 | 726        | 922  | 1107 | 1282 | 1757 | 730        | 921  | 1104 | 1285 | 1818 |
| 2300             | 90/70                                  | 1150          | 1486 | 1807 | 2118 | 2982 | 1822       | 2322 | 2799 | 3255 | 4516 | 1863       | 2362 | 2848 | 3332 | 4763 |
|                  | 75/65                                  | 934           | 1207 | 1467 | 1720 | 2415 | 1485       | 1891 | 2277 | 2645 | 3658 | 1512       | 1915 | 2305 | 2693 | 3839 |
|                  | 70/55                                  | 768           | 993  | 1207 | 1414 | 1981 | 1225       | 1559 | 1875 | 2176 | 3001 | 1243       | 1571 | 1889 | 2204 | 3134 |
|                  | 55/45                                  | 520           | 672  | 816  | 957  | 1334 | 835        | 1060 | 1273 | 1474 | 2021 | 840        | 1059 | 1270 | 1478 | 2091 |
| 2600             | 90/70                                  | 1300          | 1680 | 2042 | 2394 | 3370 | 2059       | 2625 | 3164 | 3679 | 5105 | 2106       | 2670 | 3219 | 3767 | 5384 |
|                  | 75/65                                  | 1056          | 1365 | 1659 | 1944 | 2730 | 1679       | 2138 | 2574 | 2990 | 4136 | 1709       | 2164 | 2605 | 3044 | 4340 |
|                  | 70/55                                  | 868           | 1122 | 1364 | 1598 | 2240 | 1385       | 1762 | 2120 | 2460 | 3392 | 1405       | 1776 | 2135 | 2491 | 3543 |
|                  | 55/45                                  | 588           | 759  | 923  | 1081 | 1508 | 944        | 1198 | 1439 | 1667 | 2284 | 949        | 1197 | 1435 | 1670 | 2364 |
| 3000             | 90/70                                  | 1500          | 1939 | 2357 | 2762 | 3889 | 2376       | 3029 | 3651 | 4245 | 5891 | 2430       | 3081 | 3714 | 4346 | 6212 |
|                  | 75/65                                  | 1218          | 1575 | 1914 | 2243 | 3151 | 1937       | 2467 | 2970 | 3450 | 4772 | 1972       | 2497 | 3006 | 3512 | 5007 |
|                  | 70/55                                  | 1002          | 1295 | 1574 | 1844 | 2584 | 1598       | 2033 | 2446 | 2838 | 3914 | 1621       | 2049 | 2464 | 2875 | 4088 |
|                  | 55/45                                  | 678           | 876  | 1065 | 1248 | 1740 | 1089       | 1383 | 1660 | 1923 | 2636 | 1096       | 1381 | 1656 | 1927 | 2727 |



# RADIK<sup>®</sup> MM

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 21 MM    |      |      |      |      | Type 22 MM |      |      |      |      | Type 33 MM |      |      |       |       |
|------------------|----------------------------------------|---------------|------|------|------|------|------------|------|------|------|------|------------|------|------|-------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |            |      |      |      |      |            |      |      |       |       |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600   | 900   |
| 400              | 90/70                                  | 411           | 522  | 626  | 723  | 981  | 548        | 691  | 827  | 960  | 1332 |            |      |      |       |       |
|                  | 75/65                                  | 333           | 423  | 506  | 583  | 788  | 445        | 559  | 668  | 774  | 1072 |            |      |      |       |       |
|                  | 70/55                                  | 274           | 346  | 414  | 477  | 642  | 365        | 458  | 547  | 632  | 874  |            |      |      |       |       |
|                  | 55/45                                  | 184           | 233  | 277  | 319  | 426  | 246        | 308  | 366  | 421  | 582  |            |      |      |       |       |
| 500              | 90/70                                  | 514           | 653  | 782  | 903  | 1226 | 685        | 863  | 1034 | 1200 | 1665 | 895        | 1168 | 1425 | 1669  | 2306  |
|                  | 75/65                                  | 417           | 528  | 632  | 729  | 985  | 556        | 699  | 835  | 967  | 1340 | 725        | 944  | 1151 | 1346  | 1854  |
|                  | 70/55                                  | 342           | 433  | 517  | 596  | 802  | 456        | 573  | 683  | 789  | 1093 | 594        | 773  | 941  | 1099  | 1510  |
|                  | 55/45                                  | 230           | 291  | 347  | 398  | 532  | 308        | 385  | 458  | 527  | 727  | 400        | 519  | 630  | 734   | 1002  |
| 600              | 90/70                                  | 617           | 783  | 938  | 1084 | 1471 | 822        | 1036 | 1241 | 1440 | 1998 | 1074       | 1401 | 1710 | 2002  | 2767  |
|                  | 75/65                                  | 500           | 634  | 758  | 875  | 1182 | 667        | 839  | 1002 | 1160 | 1608 | 870        | 1133 | 1381 | 1615  | 2225  |
|                  | 70/55                                  | 410           | 519  | 621  | 715  | 962  | 548        | 687  | 820  | 947  | 1311 | 713        | 928  | 1130 | 1319  | 1812  |
|                  | 55/45                                  | 277           | 349  | 416  | 478  | 638  | 370        | 462  | 549  | 632  | 873  | 480        | 623  | 756  | 881   | 1203  |
| 700              | 90/70                                  | 720           | 914  | 1095 | 1265 | 1717 | 960        | 1209 | 1448 | 1680 | 2331 | 1253       | 1635 | 1995 | 2336  | 3229  |
|                  | 75/65                                  | 584           | 740  | 885  | 1021 | 1379 | 778        | 978  | 1169 | 1354 | 1876 | 1015       | 1322 | 1611 | 1884  | 2595  |
|                  | 70/55                                  | 479           | 606  | 724  | 834  | 1123 | 639        | 802  | 957  | 1105 | 1530 | 832        | 1082 | 1318 | 1539  | 2114  |
|                  | 55/45                                  | 323           | 407  | 485  | 558  | 745  | 431        | 539  | 641  | 737  | 1018 | 560        | 727  | 882  | 1027  | 1403  |
| 800              | 90/70                                  | 823           | 1044 | 1251 | 1445 | 1962 | 1097       | 1381 | 1655 | 1920 | 2664 | 1432       | 1868 | 2280 | 2670  | 3690  |
|                  | 75/65                                  | 667           | 845  | 1011 | 1166 | 1576 | 889        | 1118 | 1336 | 1547 | 2144 | 1159       | 1511 | 1841 | 2153  | 2966  |
|                  | 70/55                                  | 547           | 693  | 828  | 953  | 1283 | 730        | 916  | 1093 | 1263 | 1748 | 951        | 1237 | 1506 | 1758  | 2416  |
|                  | 55/45                                  | 369           | 466  | 555  | 637  | 851  | 493        | 616  | 732  | 843  | 1163 | 640        | 830  | 1008 | 1174  | 1603  |
| 900              | 90/70                                  | 926           | 1175 | 1407 | 1626 | 2207 | 1234       | 1554 | 1862 | 2160 | 2997 | 1611       | 2102 | 2565 | 3003  | 4151  |
|                  | 75/65                                  | 750           | 951  | 1137 | 1312 | 1774 | 1001       | 1258 | 1504 | 1741 | 2412 | 1304       | 1699 | 2072 | 2422  | 3337  |
|                  | 70/55                                  | 616           | 779  | 931  | 1072 | 1444 | 822        | 1031 | 1230 | 1421 | 1967 | 1070       | 1392 | 1694 | 1978  | 2718  |
|                  | 55/45                                  | 415           | 524  | 624  | 717  | 957  | 555        | 693  | 824  | 948  | 1309 | 720        | 934  | 1134 | 1321  | 1804  |
| 1000             | 90/70                                  | 1029          | 1305 | 1564 | 1806 | 2452 | 1371       | 1727 | 2068 | 2399 | 3330 | 1790       | 2335 | 2850 | 3337  | 4612  |
|                  | 75/65                                  | 834           | 1056 | 1264 | 1458 | 1971 | 1112       | 1398 | 1671 | 1934 | 2680 | 1449       | 1888 | 2302 | 2691  | 3708  |
|                  | 70/55                                  | 684           | 866  | 1034 | 1192 | 1604 | 913        | 1145 | 1367 | 1579 | 2185 | 1188       | 1546 | 1883 | 2198  | 3020  |
|                  | 55/45                                  | 461           | 582  | 693  | 797  | 1064 | 616        | 770  | 915  | 1053 | 1454 | 800        | 1038 | 1260 | 1468  | 2004  |
| 1100             | 90/70                                  | 1132          | 1436 | 1720 | 1987 | 2698 | 1508       | 1900 | 2275 | 2639 | 3663 | 1969       | 2569 | 3135 | 3671  | 5074  |
|                  | 75/65                                  | 917           | 1162 | 1390 | 1604 | 2168 | 1223       | 1537 | 1838 | 2127 | 2948 | 1594       | 2077 | 2532 | 2960  | 4079  |
|                  | 70/55                                  | 752           | 952  | 1138 | 1311 | 1764 | 1004       | 1260 | 1503 | 1737 | 2404 | 1307       | 1701 | 2071 | 2418  | 3322  |
|                  | 55/45                                  | 507           | 640  | 763  | 877  | 1170 | 678        | 847  | 1007 | 1159 | 1600 | 880        | 1142 | 1386 | 1614  | 2205  |
| 1200             | 90/70                                  | 1234          | 1567 | 1877 | 2168 | 2943 | 1645       | 2072 | 2482 | 2879 | 3996 | 2148       | 2802 | 3421 | 4005  | 5535  |
|                  | 75/65                                  | 1000          | 1268 | 1517 | 1749 | 2365 | 1334       | 1677 | 2005 | 2321 | 3216 | 1739       | 2266 | 2762 | 3229  | 4449  |
|                  | 70/55                                  | 821           | 1039 | 1241 | 1430 | 1925 | 1096       | 1375 | 1640 | 1895 | 2623 | 1426       | 1856 | 2259 | 2638  | 3623  |
|                  | 55/45                                  | 553           | 698  | 832  | 956  | 1277 | 739        | 924  | 1098 | 1264 | 1745 | 960        | 1245 | 1512 | 1761  | 2405  |
| 1400             | 90/70                                  | 1440          | 1828 | 2189 | 2529 | 3433 | 1919       | 2418 | 2896 | 3359 | 4662 | 2506       | 3269 | 3991 | 4672  | 6457  |
|                  | 75/65                                  | 1167          | 1479 | 1769 | 2041 | 2759 | 1556       | 1957 | 2339 | 2708 | 3753 | 2029       | 2644 | 3223 | 3768  | 5191  |
|                  | 70/55                                  | 958           | 1212 | 1448 | 1668 | 2246 | 1278       | 1604 | 1913 | 2210 | 3060 | 1664       | 2165 | 2636 | 3077  | 4227  |
|                  | 55/45                                  | 645           | 815  | 971  | 1116 | 1489 | 863        | 1078 | 1281 | 1475 | 2036 | 1120       | 1453 | 1764 | 2055  | 2806  |
| 1600             | 90/70                                  | 1646          | 2089 | 2502 | 2890 | 3924 | 2193       | 2763 | 3309 | 3839 | 5328 | 2864       | 3736 | 4561 | 5339  | 7380  |
|                  | 75/65                                  | 1334          | 1690 | 2022 | 2333 | 3153 | 1779       | 2236 | 2673 | 3094 | 4289 | 2319       | 3021 | 3683 | 4306  | 5933  |
|                  | 70/55                                  | 1094          | 1385 | 1655 | 1907 | 2566 | 1461       | 1833 | 2186 | 2526 | 3497 | 1901       | 2474 | 3012 | 3517  | 4831  |
|                  | 55/45                                  | 738           | 931  | 1110 | 1275 | 1702 | 986        | 1232 | 1464 | 1685 | 2327 | 1280       | 1661 | 2016 | 2348  | 3207  |
| 1800             | 90/70                                  | 1852          | 2350 | 2815 | 3252 | 4414 | 2467       | 3108 | 3723 | 4319 | 5994 | 3222       | 4203 | 5131 | 6007  | 8302  |
|                  | 75/65                                  | 1501          | 1902 | 2275 | 2624 | 3547 | 2001       | 2516 | 3007 | 3481 | 4825 | 2609       | 3399 | 4143 | 4844  | 6674  |
|                  | 70/55                                  | 1231          | 1558 | 1862 | 2145 | 2887 | 1643       | 2062 | 2460 | 2842 | 3934 | 2139       | 2783 | 3389 | 3956  | 5435  |
|                  | 55/45                                  | 830           | 1048 | 1248 | 1434 | 1915 | 1109       | 1386 | 1647 | 1896 | 2618 | 1440       | 1868 | 2268 | 2642  | 3608  |
| 2000             | 90/70                                  | 2057          | 2611 | 3128 | 3613 | 4905 | 2742       | 3454 | 4137 | 4799 | 6660 | 3579       | 4670 | 5701 | 6674  | 9225  |
|                  | 75/65                                  | 1667          | 2113 | 2528 | 2916 | 3941 | 2223       | 2795 | 3341 | 3868 | 5361 | 2899       | 3777 | 4604 | 5382  | 7416  |
|                  | 70/55                                  | 1368          | 1732 | 2069 | 2383 | 3208 | 1826       | 2291 | 2733 | 3158 | 4371 | 2377       | 3093 | 3765 | 4396  | 6039  |
|                  | 55/45                                  | 922           | 1164 | 1387 | 1594 | 2128 | 1232       | 1540 | 1830 | 2106 | 2908 | 1599       | 2076 | 2521 | 2935  | 4009  |
| 2300             | 90/70                                  | 2366          | 3003 | 3597 | 4155 | 5641 | 3153       | 3972 | 4757 | 5519 | 7659 | 4116       | 5371 | 6556 | 7675  | 10608 |
|                  | 75/65                                  | 1917          | 2430 | 2907 | 3353 | 4532 | 2557       | 3215 | 3842 | 4448 | 6165 | 3333       | 4343 | 5294 | 6190  | 8528  |
|                  | 70/55                                  | 1573          | 1991 | 2379 | 2741 | 3689 | 2100       | 2635 | 3143 | 3631 | 5027 | 2733       | 3557 | 4330 | 5055  | 6945  |
|                  | 55/45                                  | 1060          | 1338 | 1595 | 1833 | 2447 | 1417       | 1771 | 2105 | 2422 | 3345 | 1839       | 2387 | 2899 | 3375  | 4610  |
| 2600             | 90/70                                  | 2675          | 3394 | 4066 | 4697 | 6376 | 3564       | 4490 | 5378 | 6239 | 8658 | 4653       | 6071 | 7411 | 8677  | 11992 |
|                  | 75/65                                  | 2167          | 2747 | 3286 | 3791 | 5123 | 2891       | 3634 | 4344 | 5028 | 6969 | 3768       | 4909 | 5985 | 6997  | 9640  |
|                  | 70/55                                  | 1779          | 2251 | 2689 | 3098 | 4171 | 2374       | 2978 | 3553 | 4105 | 5682 | 3090       | 4020 | 4895 | 5715  | 7851  |
|                  | 55/45                                  | 1199          | 1513 | 1803 | 2072 | 2766 | 1602       | 2002 | 2379 | 2738 | 3781 | 2079       | 2698 | 3277 | 3816  | 5211  |
| 3000             | 90/70                                  | 3086          | 3916 | 4692 | 5419 | 7357 | 4112       | 5181 | 6205 | 7198 | 9990 | 5369       | 7005 | 8551 | 10011 | 13837 |
|                  | 75/65                                  | 2501          | 3169 | 3792 | 4374 | 5912 | 3335       | 4193 | 5012 | 5802 | 8041 | 4348       | 5665 | 6906 | 8073  | 11123 |
|                  | 70/55                                  | 2052          | 2597 | 3103 | 3575 | 4812 | 2739       | 3436 | 4100 | 4737 | 6556 | 3565       | 4639 | 5648 | 6594  | 9059  |
|                  | 55/45                                  | 1383          | 1746 | 2080 | 2390 | 3191 | 1848       | 2310 | 2745 | 3160 | 4363 | 2399       | 3114 | 3781 | 4403  | 6013  |



# RADIK<sup>®</sup> MM

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 10 MM    |      |      |      |      | Type 11 MM |      |      |      |      | Type 20 MM |      |      |      |      |
|------------------|----------------------------------------|---------------|------|------|------|------|------------|------|------|------|------|------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |            |      |      |      |      |            |      |      |      |      |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  |               |      |      |      |      | 286        | 364  | 439  | 510  | 706  | 292        | 370  | 445  | 521  | 743  |
|                  | 75/65                                  |               |      |      |      |      | 229        | 291  | 350  | 407  | 562  | 232        | 294  | 354  | 413  | 588  |
|                  | 70/55                                  |               |      |      |      |      | 185        | 235  | 282  | 327  | 450  | 187        | 236  | 283  | 330  | 469  |
|                  | 55/45                                  |               |      |      |      |      | 119        | 151  | 181  | 210  | 287  | 119        | 150  | 180  | 209  | 295  |
| 500              | 90/70                                  | 225           | 291  | 354  | 415  | 583  | 357        | 455  | 548  | 637  | 883  | 365        | 462  | 557  | 651  | 929  |
|                  | 75/65                                  | 180           | 232  | 282  | 331  | 464  | 286        | 364  | 438  | 509  | 702  | 291        | 368  | 442  | 516  | 735  |
|                  | 70/55                                  | 144           | 187  | 227  | 266  | 372  | 231        | 293  | 353  | 409  | 563  | 233        | 295  | 354  | 413  | 586  |
|                  | 55/45                                  | 92            | 119  | 145  | 170  | 237  | 149        | 189  | 227  | 262  | 358  | 149        | 188  | 225  | 261  | 369  |
| 600              | 90/70                                  | 270           | 349  | 424  | 498  | 700  | 429        | 546  | 658  | 765  | 1060 | 438        | 554  | 668  | 781  | 1115 |
|                  | 75/65                                  | 215           | 278  | 338  | 397  | 556  | 343        | 437  | 526  | 610  | 842  | 349        | 441  | 530  | 619  | 881  |
|                  | 70/55                                  | 173           | 224  | 272  | 319  | 446  | 277        | 352  | 423  | 491  | 675  | 280        | 354  | 425  | 495  | 703  |
|                  | 55/45                                  | 111           | 143  | 174  | 204  | 284  | 179        | 227  | 272  | 315  | 430  | 179        | 225  | 270  | 314  | 443  |
| 700              | 90/70                                  | 315           | 407  | 495  | 580  | 816  | 500        | 637  | 768  | 892  | 1236 | 510        | 647  | 779  | 911  | 1301 |
|                  | 75/65                                  | 251           | 325  | 395  | 463  | 649  | 400        | 510  | 613  | 712  | 983  | 407        | 515  | 619  | 722  | 1028 |
|                  | 70/55                                  | 202           | 261  | 317  | 372  | 520  | 323        | 411  | 494  | 573  | 788  | 327        | 413  | 496  | 578  | 820  |
|                  | 55/45                                  | 129           | 167  | 203  | 238  | 331  | 208        | 264  | 317  | 367  | 502  | 209        | 263  | 315  | 366  | 517  |
| 800              | 90/70                                  | 360           | 466  | 566  | 663  | 933  | 572        | 728  | 877  | 1020 | 1413 | 583        | 739  | 890  | 1041 | 1486 |
|                  | 75/65                                  | 287           | 371  | 451  | 529  | 742  | 458        | 582  | 701  | 814  | 1123 | 465        | 588  | 707  | 826  | 1175 |
|                  | 70/55                                  | 231           | 298  | 363  | 425  | 595  | 369        | 470  | 564  | 655  | 901  | 373        | 472  | 567  | 660  | 937  |
|                  | 55/45                                  | 148           | 191  | 232  | 272  | 379  | 238        | 302  | 363  | 420  | 573  | 239        | 301  | 360  | 418  | 590  |
| 900              | 90/70                                  | 405           | 524  | 637  | 746  | 1049 | 643        | 820  | 987  | 1147 | 1589 | 656        | 832  | 1002 | 1171 | 1672 |
|                  | 75/65                                  | 323           | 418  | 508  | 595  | 834  | 515        | 655  | 788  | 915  | 1264 | 523        | 662  | 796  | 929  | 1322 |
|                  | 70/55                                  | 260           | 336  | 408  | 478  | 669  | 415        | 528  | 635  | 736  | 1013 | 420        | 531  | 637  | 743  | 1055 |
|                  | 55/45                                  | 166           | 215  | 261  | 306  | 426  | 268        | 340  | 408  | 472  | 645  | 269        | 338  | 405  | 470  | 664  |
| 1000             | 90/70                                  | 450           | 582  | 707  | 829  | 1166 | 715        | 911  | 1097 | 1275 | 1766 | 729        | 924  | 1113 | 1301 | 1858 |
|                  | 75/65                                  | 359           | 464  | 564  | 661  | 927  | 572        | 728  | 876  | 1017 | 1404 | 581        | 735  | 884  | 1032 | 1469 |
|                  | 70/55                                  | 289           | 373  | 453  | 531  | 743  | 462        | 587  | 706  | 818  | 1126 | 467        | 590  | 708  | 825  | 1172 |
|                  | 55/45                                  | 185           | 239  | 290  | 340  | 473  | 298        | 378  | 453  | 524  | 717  | 298        | 376  | 450  | 523  | 738  |
| 1100             | 90/70                                  | 495           | 640  | 778  | 912  | 1283 | 786        | 1002 | 1207 | 1402 | 1943 | 802        | 1016 | 1224 | 1432 | 2044 |
|                  | 75/65                                  | 395           | 510  | 620  | 727  | 1020 | 629        | 801  | 964  | 1119 | 1544 | 639        | 809  | 972  | 1135 | 1616 |
|                  | 70/55                                  | 318           | 410  | 499  | 585  | 818  | 508        | 646  | 776  | 900  | 1238 | 514        | 649  | 779  | 908  | 1289 |
|                  | 55/45                                  | 203           | 263  | 319  | 374  | 520  | 328        | 416  | 498  | 577  | 788  | 328        | 413  | 495  | 575  | 812  |
| 1200             | 90/70                                  | 540           | 698  | 849  | 995  | 1399 | 858        | 1093 | 1316 | 1530 | 2119 | 875        | 1109 | 1336 | 1562 | 2229 |
|                  | 75/65                                  | 431           | 557  | 677  | 793  | 1112 | 686        | 874  | 1051 | 1220 | 1685 | 697        | 882  | 1061 | 1238 | 1763 |
|                  | 70/55                                  | 346           | 448  | 544  | 638  | 892  | 554        | 704  | 847  | 982  | 1351 | 560        | 708  | 850  | 991  | 1406 |
|                  | 55/45                                  | 222           | 287  | 348  | 408  | 568  | 357        | 453  | 544  | 629  | 860  | 358        | 451  | 540  | 627  | 886  |
| 1400             | 90/70                                  | 630           | 815  | 990  | 1161 | 1632 | 1001       | 1275 | 1536 | 1785 | 2473 | 1021       | 1294 | 1558 | 1822 | 2601 |
|                  | 75/65                                  | 503           | 650  | 790  | 925  | 1298 | 801        | 1019 | 1226 | 1424 | 1966 | 813        | 1029 | 1238 | 1445 | 2057 |
|                  | 70/55                                  | 404           | 522  | 635  | 744  | 1041 | 646        | 822  | 988  | 1146 | 1576 | 654        | 826  | 991  | 1156 | 1641 |
|                  | 55/45                                  | 259           | 334  | 406  | 476  | 662  | 417        | 529  | 634  | 734  | 1003 | 418        | 526  | 630  | 732  | 1033 |
| 1600             | 90/70                                  | 720           | 931  | 1132 | 1327 | 1866 | 1143       | 1457 | 1755 | 2040 | 2826 | 1167       | 1478 | 1781 | 2082 | 2973 |
|                  | 75/65                                  | 574           | 742  | 902  | 1058 | 1483 | 915        | 1165 | 1402 | 1627 | 2246 | 930        | 1176 | 1414 | 1651 | 2350 |
|                  | 70/55                                  | 462           | 597  | 726  | 850  | 1189 | 739        | 939  | 1129 | 1309 | 1801 | 747        | 943  | 1133 | 1321 | 1875 |
|                  | 55/45                                  | 296           | 382  | 464  | 544  | 757  | 476        | 604  | 725  | 839  | 1146 | 477        | 601  | 720  | 836  | 1181 |
| 1800             | 90/70                                  | 810           | 1048 | 1273 | 1493 | 2099 | 1286       | 1639 | 1974 | 2295 | 3179 | 1313       | 1663 | 2004 | 2343 | 3344 |
|                  | 75/65                                  | 646           | 835  | 1015 | 1190 | 1669 | 1030       | 1310 | 1577 | 1831 | 2527 | 1046       | 1323 | 1591 | 1858 | 2644 |
|                  | 70/55                                  | 520           | 672  | 816  | 957  | 1338 | 831        | 1056 | 1270 | 1473 | 2026 | 840        | 1061 | 1275 | 1486 | 2109 |
|                  | 55/45                                  | 333           | 430  | 522  | 612  | 852  | 536        | 680  | 816  | 944  | 1290 | 537        | 676  | 810  | 941  | 1328 |
| 2000             | 90/70                                  | 901           | 1164 | 1415 | 1658 | 2332 | 1429       | 1821 | 2194 | 2550 | 3532 | 1459       | 1848 | 2226 | 2603 | 3716 |
|                  | 75/65                                  | 718           | 928  | 1128 | 1322 | 1854 | 1144       | 1456 | 1752 | 2034 | 2808 | 1162       | 1470 | 1768 | 2064 | 2938 |
|                  | 70/55                                  | 577           | 746  | 907  | 1063 | 1487 | 923        | 1174 | 1411 | 1636 | 2252 | 934        | 1179 | 1416 | 1651 | 2344 |
|                  | 55/45                                  | 370           | 478  | 580  | 680  | 946  | 596        | 756  | 906  | 1049 | 1433 | 597        | 751  | 900  | 1045 | 1476 |
| 2300             | 90/70                                  | 1036          | 1339 | 1627 | 1907 | 2682 | 1644       | 2094 | 2523 | 2932 | 4062 | 1677       | 2125 | 2560 | 2993 | 4273 |
|                  | 75/65                                  | 826           | 1067 | 1297 | 1520 | 2132 | 1316       | 1674 | 2015 | 2339 | 3229 | 1336       | 1691 | 2033 | 2374 | 3379 |
|                  | 70/55                                  | 664           | 858  | 1043 | 1222 | 1710 | 1062       | 1350 | 1623 | 1882 | 2589 | 1074       | 1356 | 1629 | 1899 | 2695 |
|                  | 55/45                                  | 425           | 549  | 667  | 782  | 1088 | 685        | 869  | 1042 | 1206 | 1648 | 686        | 864  | 1035 | 1202 | 1697 |
| 2600             | 90/70                                  | 1171          | 1513 | 1839 | 2156 | 3032 | 1858       | 2367 | 2852 | 3315 | 4592 | 1896       | 2402 | 2894 | 3384 | 4830 |
|                  | 75/65                                  | 933           | 1206 | 1466 | 1719 | 2410 | 1487       | 1893 | 2278 | 2644 | 3650 | 1511       | 1911 | 2298 | 2683 | 3819 |
|                  | 70/55                                  | 751           | 970  | 1179 | 1382 | 1933 | 1200       | 1526 | 1834 | 2127 | 2927 | 1214       | 1533 | 1841 | 2146 | 3047 |
|                  | 55/45                                  | 480           | 621  | 755  | 884  | 1230 | 774        | 982  | 1178 | 1363 | 1863 | 776        | 977  | 1170 | 1359 | 1919 |
| 3000             | 90/70                                  | 1351          | 1746 | 2122 | 2488 | 3498 | 2144       | 2732 | 3291 | 3824 | 5298 | 2188       | 2772 | 3339 | 3904 | 5574 |
|                  | 75/65                                  | 1077          | 1392 | 1692 | 1983 | 2781 | 1716       | 2184 | 2628 | 3051 | 4212 | 1743       | 2205 | 2652 | 3096 | 4407 |
|                  | 70/55                                  | 866           | 1119 | 1360 | 1594 | 2230 | 1385       | 1761 | 2117 | 2455 | 3377 | 1400       | 1769 | 2124 | 2476 | 3515 |
|                  | 55/45                                  | 554           | 716  | 871  | 1020 | 1420 | 893        | 1133 | 1359 | 1573 | 2150 | 895        | 1127 | 1350 | 1568 | 2214 |



# RADIK<sup>®</sup> MM

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 21 MM    |      |      |      |      | Type 22 MM |      |      |      |      | Type 33 MM |      |      |      |       |
|------------------|----------------------------------------|---------------|------|------|------|------|------------|------|------|------|------|------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |            |      |      |      |      |            |      |      |      |       |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 370           | 469  | 562  | 649  | 879  | 493        | 621  | 743  | 861  | 1194 |            |      |      |      |       |
|                  | 75/65                                  | 294           | 373  | 446  | 514  | 692  | 393        | 493  | 589  | 681  | 943  |            |      |      |      |       |
|                  | 70/55                                  | 236           | 299  | 356  | 410  | 550  | 315        | 395  | 471  | 543  | 751  |            |      |      |      |       |
|                  | 55/45                                  | 150           | 190  | 226  | 259  | 344  | 201        | 251  | 298  | 342  | 471  |            |      |      |      |       |
| 500              | 90/70                                  | 463           | 587  | 702  | 811  | 1098 | 617        | 776  | 929  | 1076 | 1493 | 805        | 1049 | 1280 | 1497 | 2066  |
|                  | 75/65                                  | 368           | 466  | 557  | 642  | 866  | 491        | 617  | 736  | 851  | 1179 | 640        | 833  | 1014 | 1185 | 1629  |
|                  | 70/55                                  | 295           | 373  | 446  | 513  | 688  | 394        | 494  | 588  | 679  | 939  | 513        | 666  | 810  | 945  | 1296  |
|                  | 55/45                                  | 188           | 237  | 282  | 324  | 430  | 252        | 314  | 372  | 427  | 589  | 326        | 423  | 512  | 596  | 811   |
| 600              | 90/70                                  | 555           | 704  | 843  | 973  | 1318 | 740        | 931  | 1115 | 1292 | 1791 | 966        | 1259 | 1536 | 1797 | 2480  |
|                  | 75/65                                  | 442           | 559  | 668  | 770  | 1039 | 589        | 740  | 883  | 1021 | 1414 | 767        | 999  | 1217 | 1421 | 1955  |
|                  | 70/55                                  | 354           | 448  | 535  | 615  | 826  | 473        | 593  | 706  | 815  | 1126 | 615        | 800  | 972  | 1134 | 1555  |
|                  | 55/45                                  | 226           | 284  | 339  | 388  | 516  | 302        | 376  | 447  | 513  | 707  | 391        | 507  | 615  | 715  | 974   |
| 700              | 90/70                                  | 648           | 822  | 983  | 1135 | 1538 | 864        | 1087 | 1300 | 1507 | 2090 | 1127       | 1469 | 1792 | 2096 | 2893  |
|                  | 75/65                                  | 515           | 652  | 780  | 899  | 1212 | 687        | 863  | 1030 | 1191 | 1650 | 895        | 1166 | 1420 | 1658 | 2281  |
|                  | 70/55                                  | 413           | 523  | 624  | 718  | 963  | 552        | 691  | 824  | 950  | 1314 | 718        | 933  | 1135 | 1323 | 1814  |
|                  | 55/45                                  | 263           | 332  | 395  | 453  | 603  | 352        | 439  | 521  | 598  | 825  | 456        | 592  | 717  | 834  | 1136  |
| 800              | 90/70                                  | 740           | 939  | 1124 | 1297 | 1757 | 987        | 1242 | 1486 | 1722 | 2388 | 1288       | 1679 | 2048 | 2396 | 3306  |
|                  | 75/65                                  | 589           | 746  | 891  | 1027 | 1385 | 786        | 986  | 1178 | 1362 | 1886 | 1023       | 1332 | 1622 | 1895 | 2606  |
|                  | 70/55                                  | 472           | 597  | 713  | 820  | 1101 | 631        | 790  | 941  | 1086 | 1502 | 820        | 1066 | 1297 | 1512 | 2073  |
|                  | 55/45                                  | 301           | 379  | 451  | 518  | 689  | 402        | 502  | 595  | 684  | 943  | 522        | 676  | 820  | 953  | 1298  |
| 900              | 90/70                                  | 833           | 1056 | 1264 | 1460 | 1977 | 1110       | 1397 | 1672 | 1937 | 2687 | 1449       | 1889 | 2304 | 2695 | 3719  |
|                  | 75/65                                  | 662           | 839  | 1003 | 1156 | 1558 | 884        | 1110 | 1325 | 1532 | 2121 | 1151       | 1499 | 1825 | 2132 | 2932  |
|                  | 70/55                                  | 531           | 672  | 802  | 923  | 1239 | 710        | 889  | 1059 | 1222 | 1690 | 923        | 1199 | 1459 | 1702 | 2332  |
|                  | 55/45                                  | 338           | 427  | 508  | 583  | 775  | 453        | 565  | 670  | 769  | 1061 | 587        | 761  | 922  | 1073 | 1460  |
| 1000             | 90/70                                  | 925           | 1174 | 1405 | 1622 | 2197 | 1234       | 1552 | 1858 | 2153 | 2986 | 1609       | 2098 | 2560 | 2995 | 4133  |
|                  | 75/65                                  | 736           | 932  | 1114 | 1284 | 1731 | 982        | 1233 | 1472 | 1702 | 2357 | 1279       | 1665 | 2028 | 2369 | 3258  |
|                  | 70/55                                  | 590           | 747  | 891  | 1026 | 1376 | 788        | 988  | 1177 | 1358 | 1877 | 1025       | 1333 | 1621 | 1891 | 2592  |
|                  | 55/45                                  | 376           | 474  | 564  | 647  | 861  | 503        | 627  | 744  | 855  | 1179 | 652        | 845  | 1025 | 1192 | 1623  |
| 1100             | 90/70                                  | 1018          | 1291 | 1545 | 1784 | 2416 | 1357       | 1708 | 2043 | 2368 | 3284 | 1770       | 2308 | 2816 | 3294 | 4546  |
|                  | 75/65                                  | 810           | 1025 | 1225 | 1412 | 1904 | 1080       | 1356 | 1619 | 1872 | 2593 | 1407       | 1832 | 2231 | 2606 | 3584  |
|                  | 70/55                                  | 649           | 821  | 980  | 1128 | 1514 | 867        | 1087 | 1294 | 1493 | 2065 | 1128       | 1466 | 1783 | 2080 | 2851  |
|                  | 55/45                                  | 414           | 522  | 621  | 712  | 947  | 553        | 690  | 819  | 940  | 1297 | 717        | 930  | 1127 | 1311 | 1785  |
| 1200             | 90/70                                  | 1110          | 1408 | 1686 | 1946 | 2636 | 1480       | 1863 | 2229 | 2583 | 3583 | 1931       | 2518 | 3072 | 3594 | 4959  |
|                  | 75/65                                  | 883           | 1118 | 1337 | 1541 | 2077 | 1178       | 1480 | 1766 | 2042 | 2828 | 1535       | 1998 | 2434 | 2843 | 3910  |
|                  | 70/55                                  | 708           | 896  | 1069 | 1231 | 1651 | 946        | 1185 | 1412 | 1629 | 2253 | 1230       | 1599 | 1945 | 2269 | 3110  |
|                  | 55/45                                  | 451           | 569  | 677  | 777  | 1033 | 604        | 753  | 893  | 1026 | 1414 | 782        | 1014 | 1230 | 1430 | 1947  |
| 1400             | 90/70                                  | 1296          | 1643 | 1967 | 2270 | 3076 | 1727       | 2173 | 2601 | 3014 | 4180 | 2253       | 2938 | 3584 | 4193 | 5786  |
|                  | 75/65                                  | 1030          | 1305 | 1560 | 1798 | 2423 | 1375       | 1726 | 2061 | 2383 | 3300 | 1791       | 2331 | 2839 | 3317 | 4561  |
|                  | 70/55                                  | 827           | 1045 | 1247 | 1436 | 1927 | 1104       | 1383 | 1647 | 1901 | 2628 | 1435       | 1866 | 2269 | 2647 | 3628  |
|                  | 55/45                                  | 527           | 664  | 790  | 906  | 1205 | 704        | 878  | 1042 | 1197 | 1650 | 913        | 1183 | 1435 | 1668 | 2272  |
| 1600             | 90/70                                  | 1481          | 1878 | 2248 | 2595 | 3515 | 1974       | 2484 | 2972 | 3444 | 4777 | 2575       | 3357 | 4096 | 4791 | 6612  |
|                  | 75/65                                  | 1178          | 1491 | 1782 | 2054 | 2770 | 1571       | 1973 | 2355 | 2723 | 3771 | 2046       | 2664 | 3245 | 3790 | 5213  |
|                  | 70/55                                  | 945           | 1194 | 1426 | 1641 | 2202 | 1261       | 1580 | 1883 | 2172 | 3004 | 1640       | 2132 | 2593 | 3025 | 4146  |
|                  | 55/45                                  | 602           | 759  | 903  | 1036 | 1377 | 805        | 1004 | 1191 | 1368 | 1886 | 1043       | 1352 | 1640 | 1907 | 2596  |
| 1800             | 90/70                                  | 1666          | 2113 | 2529 | 2919 | 3954 | 2221       | 2794 | 3344 | 3875 | 5374 | 2897       | 3777 | 4608 | 5390 | 7439  |
|                  | 75/65                                  | 1325          | 1678 | 2005 | 2311 | 3116 | 1768       | 2219 | 2650 | 3064 | 4243 | 2302       | 2997 | 3650 | 4264 | 5864  |
|                  | 70/55                                  | 1063          | 1344 | 1604 | 1846 | 2477 | 1419       | 1778 | 2118 | 2444 | 3379 | 1845       | 2399 | 2917 | 3403 | 4665  |
|                  | 55/45                                  | 677           | 853  | 1016 | 1165 | 1549 | 906        | 1129 | 1340 | 1539 | 2122 | 1174       | 1521 | 1844 | 2145 | 2921  |
| 2000             | 90/70                                  | 1851          | 2347 | 2810 | 3243 | 4394 | 2467       | 3105 | 3715 | 4305 | 5971 | 3219       | 4197 | 5119 | 5989 | 8265  |
|                  | 75/65                                  | 1472          | 1864 | 2228 | 2568 | 3462 | 1964       | 2466 | 2944 | 3404 | 4714 | 2558       | 3330 | 4056 | 4738 | 6516  |
|                  | 70/55                                  | 1181          | 1493 | 1782 | 2051 | 2752 | 1577       | 1976 | 2353 | 2715 | 3755 | 2050       | 2665 | 3242 | 3781 | 5183  |
|                  | 55/45                                  | 752           | 948  | 1128 | 1295 | 1722 | 1006       | 1255 | 1488 | 1710 | 2357 | 1304       | 1690 | 2049 | 2383 | 3245  |
| 2300             | 90/70                                  | 2128          | 2699 | 3231 | 3730 | 5053 | 2837       | 3571 | 4272 | 4951 | 6867 | 3702       | 4826 | 5887 | 6888 | 9505  |
|                  | 75/65                                  | 1693          | 2144 | 2562 | 2953 | 3981 | 2259       | 2836 | 3386 | 3915 | 5421 | 2942       | 3830 | 4664 | 5449 | 7493  |
|                  | 70/55                                  | 1358          | 1717 | 2049 | 2359 | 3165 | 1813       | 2272 | 2706 | 3122 | 4318 | 2358       | 3065 | 3728 | 4348 | 5961  |
|                  | 55/45                                  | 865           | 1091 | 1298 | 1489 | 1980 | 1157       | 1443 | 1712 | 1966 | 2711 | 1500       | 1944 | 2357 | 2741 | 3732  |
| 2600             | 90/70                                  | 2406          | 3051 | 3653 | 4217 | 5712 | 3208       | 4036 | 4830 | 5597 | 7762 | 4185       | 5456 | 6655 | 7786 | 10745 |
|                  | 75/65                                  | 1914          | 2423 | 2896 | 3338 | 4501 | 2553       | 3206 | 3827 | 4425 | 6128 | 3325       | 4329 | 5273 | 6159 | 8471  |
|                  | 70/55                                  | 1535          | 1941 | 2317 | 2666 | 3578 | 2050       | 2568 | 3059 | 3530 | 4881 | 2665       | 3465 | 4214 | 4915 | 6738  |
|                  | 55/45                                  | 978           | 1233 | 1467 | 1683 | 2238 | 1308       | 1631 | 1935 | 2222 | 3065 | 1695       | 2197 | 2664 | 3098 | 4219  |
| 3000             | 90/70                                  | 2776          | 3521 | 4215 | 4865 | 6590 | 3701       | 4657 | 5573 | 6458 | 8957 | 4828       | 6295 | 7679 | 8984 | 12398 |
|                  | 75/65                                  | 2208          | 2796 | 3342 | 3852 | 5193 | 2946       | 3699 | 4416 | 5106 | 7071 | 3837       | 4995 | 6084 | 7107 | 9774  |
|                  | 70/55                                  | 1771          | 2240 | 2673 | 3077 | 4129 | 2365       | 2963 | 3530 | 4073 | 5632 | 3076       | 3998 | 4862 | 5672 | 7775  |
|                  | 55/45                                  | 1128          | 1422 | 1693 | 1942 | 2582 | 1509       | 1882 | 2233 | 2564 | 3536 | 1956       | 2535 | 3074 | 3575 | 4868  |



# RADIK<sup>®</sup> MM

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 10 MM    |      |      |      |      | Type 11 MM |      |      |      |      | Type 20 MM |      |      |      |      |
|------------------|----------------------------------------|---------------|------|------|------|------|------------|------|------|------|------|------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |            |      |      |      |      |            |      |      |      |      |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  |               |      |      |      |      | 274        | 349  | 420  | 488  | 675  | 279        | 353  | 426  | 497  | 710  |
|                  | 75/65                                  |               |      |      |      |      | 217        | 276  | 333  | 386  | 532  | 220        | 279  | 335  | 391  | 556  |
|                  | 70/55                                  |               |      |      |      |      | 174        | 221  | 265  | 307  | 422  | 175        | 221  | 266  | 309  | 439  |
|                  | 55/45                                  |               |      |      |      |      | 109        | 138  | 166  | 192  | 262  | 109        | 137  | 164  | 191  | 269  |
| 500              | 90/70                                  | 215           | 278  | 338  | 397  | 557  | 342        | 436  | 525  | 610  | 844  | 349        | 442  | 532  | 622  | 887  |
|                  | 75/65                                  | 170           | 220  | 267  | 313  | 439  | 272        | 345  | 416  | 482  | 665  | 276        | 348  | 419  | 489  | 695  |
|                  | 70/55                                  | 135           | 175  | 213  | 249  | 349  | 217        | 276  | 331  | 384  | 528  | 219        | 277  | 332  | 387  | 549  |
|                  | 55/45                                  | 84            | 109  | 133  | 155  | 216  | 136        | 173  | 207  | 240  | 327  | 136        | 171  | 205  | 238  | 336  |
| 600              | 90/70                                  | 258           | 334  | 406  | 476  | 669  | 410        | 523  | 630  | 732  | 1013 | 418        | 530  | 638  | 746  | 1065 |
|                  | 75/65                                  | 204           | 264  | 321  | 376  | 527  | 326        | 415  | 499  | 579  | 799  | 331        | 418  | 503  | 587  | 834  |
|                  | 70/55                                  | 163           | 210  | 255  | 299  | 418  | 260        | 331  | 398  | 461  | 634  | 263        | 332  | 398  | 464  | 658  |
|                  | 55/45                                  | 101           | 131  | 159  | 186  | 259  | 163        | 207  | 249  | 287  | 392  | 163        | 206  | 246  | 286  | 403  |
| 700              | 90/70                                  | 301           | 390  | 474  | 555  | 780  | 479        | 610  | 735  | 854  | 1182 | 488        | 618  | 745  | 871  | 1242 |
|                  | 75/65                                  | 238           | 308  | 374  | 439  | 615  | 380        | 484  | 582  | 675  | 932  | 386        | 488  | 586  | 684  | 974  |
|                  | 70/55                                  | 190           | 245  | 298  | 349  | 488  | 304        | 386  | 464  | 538  | 739  | 307        | 387  | 465  | 542  | 768  |
|                  | 55/45                                  | 118           | 153  | 186  | 217  | 302  | 191        | 242  | 290  | 335  | 458  | 191        | 240  | 287  | 334  | 470  |
| 800              | 90/70                                  | 345           | 445  | 541  | 635  | 892  | 547        | 697  | 840  | 976  | 1351 | 558        | 707  | 851  | 995  | 1419 |
|                  | 75/65                                  | 272           | 352  | 428  | 502  | 703  | 434        | 553  | 665  | 772  | 1065 | 441        | 557  | 670  | 782  | 1113 |
|                  | 70/55                                  | 217           | 280  | 340  | 399  | 558  | 347        | 441  | 530  | 615  | 845  | 350        | 443  | 531  | 619  | 878  |
|                  | 55/45                                  | 135           | 175  | 212  | 248  | 345  | 218        | 276  | 331  | 383  | 523  | 218        | 274  | 328  | 381  | 537  |
| 900              | 90/70                                  | 388           | 501  | 609  | 714  | 1003 | 616        | 784  | 945  | 1098 | 1520 | 628        | 795  | 958  | 1119 | 1597 |
|                  | 75/65                                  | 306           | 396  | 481  | 564  | 791  | 489        | 622  | 748  | 868  | 1198 | 496        | 627  | 754  | 880  | 1252 |
|                  | 70/55                                  | 244           | 315  | 383  | 449  | 627  | 390        | 496  | 596  | 691  | 950  | 394        | 498  | 598  | 696  | 988  |
|                  | 55/45                                  | 152           | 196  | 239  | 280  | 389  | 245        | 311  | 373  | 431  | 588  | 245        | 309  | 369  | 429  | 605  |
| 1000             | 90/70                                  | 431           | 557  | 677  | 793  | 1115 | 684        | 871  | 1050 | 1220 | 1688 | 697        | 883  | 1064 | 1244 | 1774 |
|                  | 75/65                                  | 341           | 440  | 535  | 627  | 879  | 543        | 691  | 831  | 965  | 1331 | 551        | 697  | 838  | 978  | 1391 |
|                  | 70/55                                  | 271           | 350  | 426  | 499  | 697  | 434        | 551  | 663  | 768  | 1056 | 438        | 553  | 664  | 774  | 1097 |
|                  | 55/45                                  | 169           | 218  | 265  | 311  | 432  | 272        | 345  | 414  | 479  | 654  | 272        | 343  | 410  | 476  | 672  |
| 1100             | 90/70                                  | 474           | 612  | 744  | 872  | 1226 | 753        | 959  | 1155 | 1342 | 1857 | 767        | 972  | 1170 | 1368 | 1952 |
|                  | 75/65                                  | 375           | 484  | 588  | 690  | 967  | 597        | 760  | 914  | 1061 | 1464 | 606        | 766  | 922  | 1075 | 1530 |
|                  | 70/55                                  | 298           | 385  | 468  | 549  | 767  | 477        | 606  | 729  | 845  | 1161 | 482        | 608  | 730  | 851  | 1207 |
|                  | 55/45                                  | 186           | 240  | 292  | 342  | 475  | 300        | 380  | 456  | 527  | 719  | 300        | 377  | 451  | 524  | 739  |
| 1200             | 90/70                                  | 517           | 668  | 812  | 952  | 1338 | 821        | 1046 | 1259 | 1463 | 2026 | 837        | 1060 | 1277 | 1492 | 2129 |
|                  | 75/65                                  | 409           | 528  | 642  | 752  | 1054 | 652        | 829  | 998  | 1158 | 1597 | 661        | 836  | 1005 | 1173 | 1669 |
|                  | 70/55                                  | 325           | 420  | 511  | 599  | 837  | 521        | 662  | 795  | 922  | 1267 | 526        | 664  | 797  | 928  | 1317 |
|                  | 55/45                                  | 203           | 262  | 318  | 373  | 518  | 327        | 415  | 497  | 575  | 785  | 327        | 412  | 492  | 572  | 806  |
| 1400             | 90/70                                  | 603           | 779  | 947  | 1110 | 1561 | 958        | 1220 | 1469 | 1707 | 2364 | 976        | 1237 | 1489 | 1741 | 2484 |
|                  | 75/65                                  | 477           | 616  | 749  | 878  | 1230 | 760        | 967  | 1164 | 1351 | 1863 | 771        | 976  | 1173 | 1369 | 1947 |
|                  | 70/55                                  | 379           | 490  | 596  | 698  | 976  | 607        | 772  | 928  | 1075 | 1478 | 613        | 774  | 930  | 1083 | 1536 |
|                  | 55/45                                  | 236           | 305  | 371  | 435  | 604  | 381        | 484  | 580  | 671  | 915  | 381        | 480  | 574  | 667  | 941  |
| 1600             | 90/70                                  | 689           | 891  | 1083 | 1269 | 1784 | 1095       | 1394 | 1679 | 1951 | 2701 | 1116       | 1414 | 1702 | 1990 | 2839 |
|                  | 75/65                                  | 545           | 704  | 856  | 1003 | 1406 | 869        | 1106 | 1330 | 1544 | 2129 | 882        | 1115 | 1340 | 1564 | 2225 |
|                  | 70/55                                  | 434           | 560  | 681  | 798  | 1115 | 694        | 882  | 1060 | 1229 | 1689 | 701        | 885  | 1062 | 1238 | 1756 |
|                  | 55/45                                  | 270           | 349  | 424  | 497  | 691  | 436        | 553  | 663  | 767  | 1046 | 436        | 549  | 656  | 762  | 1075 |
| 1800             | 90/70                                  | 775           | 1002 | 1218 | 1428 | 2006 | 1231       | 1569 | 1889 | 2195 | 3039 | 1255       | 1590 | 1915 | 2238 | 3194 |
|                  | 75/65                                  | 613           | 792  | 963  | 1129 | 1582 | 978        | 1244 | 1496 | 1737 | 2396 | 992        | 1254 | 1508 | 1760 | 2503 |
|                  | 70/55                                  | 488           | 630  | 766  | 898  | 1255 | 781        | 992  | 1193 | 1383 | 1901 | 789        | 996  | 1195 | 1393 | 1975 |
|                  | 55/45                                  | 304           | 393  | 477  | 559  | 777  | 490        | 622  | 746  | 862  | 1177 | 490        | 617  | 739  | 858  | 1209 |
| 2000             | 90/70                                  | 861           | 1113 | 1353 | 1586 | 2229 | 1368       | 1743 | 2099 | 2439 | 3377 | 1395       | 1767 | 2128 | 2487 | 3549 |
|                  | 75/65                                  | 681           | 880  | 1070 | 1254 | 1757 | 1086       | 1382 | 1663 | 1930 | 2662 | 1102       | 1394 | 1676 | 1955 | 2781 |
|                  | 70/55                                  | 542           | 700  | 851  | 998  | 1394 | 868        | 1103 | 1325 | 1536 | 2112 | 876        | 1106 | 1328 | 1547 | 2195 |
|                  | 55/45                                  | 338           | 436  | 530  | 621  | 864  | 545        | 691  | 828  | 958  | 1308 | 545        | 686  | 821  | 953  | 1344 |
| 2300             | 90/70                                  | 991           | 1280 | 1556 | 1824 | 2564 | 1574       | 2004 | 2414 | 2805 | 3883 | 1604       | 2032 | 2447 | 2860 | 4081 |
|                  | 75/65                                  | 783           | 1012 | 1230 | 1442 | 2021 | 1249       | 1589 | 1912 | 2219 | 3061 | 1267       | 1603 | 1927 | 2249 | 3199 |
|                  | 70/55                                  | 623           | 805  | 979  | 1147 | 1604 | 998        | 1268 | 1524 | 1767 | 2428 | 1008       | 1272 | 1527 | 1779 | 2524 |
|                  | 55/45                                  | 388           | 502  | 610  | 714  | 993  | 627        | 795  | 953  | 1102 | 1504 | 627        | 789  | 944  | 1096 | 1545 |
| 2600             | 90/70                                  | 1120          | 1447 | 1759 | 2062 | 2898 | 1779       | 2266 | 2729 | 3171 | 4390 | 1813       | 2297 | 2766 | 3233 | 4613 |
|                  | 75/65                                  | 885           | 1144 | 1391 | 1630 | 2285 | 1412       | 1797 | 2161 | 2508 | 3460 | 1433       | 1812 | 2178 | 2542 | 3616 |
|                  | 70/55                                  | 705           | 910  | 1107 | 1297 | 1813 | 1128       | 1433 | 1723 | 1997 | 2745 | 1139       | 1438 | 1726 | 2011 | 2853 |
|                  | 55/45                                  | 439           | 567  | 689  | 808  | 1123 | 708        | 898  | 1077 | 1246 | 1700 | 708        | 892  | 1067 | 1239 | 1747 |
| 3000             | 90/70                                  | 1292          | 1670 | 2030 | 2379 | 3344 | 2052       | 2614 | 3149 | 3659 | 5065 | 2092       | 2650 | 3192 | 3731 | 5323 |
|                  | 75/65                                  | 1022          | 1320 | 1605 | 1881 | 2636 | 1629       | 2073 | 2494 | 2894 | 3993 | 1653       | 2090 | 2513 | 2933 | 4172 |
|                  | 70/55                                  | 813           | 1051 | 1277 | 1496 | 2092 | 1301       | 1654 | 1988 | 2304 | 3168 | 1314       | 1659 | 1992 | 2321 | 3292 |
|                  | 55/45                                  | 506           | 654  | 795  | 932  | 1295 | 817        | 1036 | 1243 | 1437 | 1961 | 817        | 1029 | 1231 | 1429 | 2016 |



# RADIK<sup>®</sup> MM

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 21 MM    |      |      |      |      | Type 22 MM |      |      |      |      | Type 33 MM |      |      |      |       |
|------------------|----------------------------------------|---------------|------|------|------|------|------------|------|------|------|------|------------|------|------|------|-------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |      |      |      |      |            |      |      |      |      |            |      |      |      |       |
|                  |                                        | 300           | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900  | 300        | 400  | 500  | 600  | 900   |
| 400              | 90/70                                  | 354           | 449  | 537  | 620  | 839  | 472        | 594  | 710  | 822  | 1140 |            |      |      |      |       |
|                  | 75/65                                  | 279           | 353  | 422  | 486  | 655  | 372        | 467  | 558  | 645  | 892  |            |      |      |      |       |
|                  | 70/55                                  | 222           | 280  | 334  | 384  | 515  | 296        | 370  | 441  | 509  | 703  |            |      |      |      |       |
|                  | 55/45                                  | 137           | 173  | 206  | 236  | 313  | 184        | 229  | 271  | 311  | 429  |            |      |      |      |       |
| 500              | 90/70                                  | 442           | 561  | 671  | 775  | 1048 | 590        | 742  | 887  | 1028 | 1425 | 769        | 1003 | 1223 | 1430 | 1972  |
|                  | 75/65                                  | 349           | 442  | 528  | 608  | 819  | 466        | 584  | 697  | 806  | 1115 | 606        | 789  | 960  | 1122 | 1541  |
|                  | 70/55                                  | 277           | 350  | 418  | 480  | 644  | 370        | 463  | 551  | 636  | 879  | 481        | 625  | 759  | 885  | 1212  |
|                  | 55/45                                  | 172           | 216  | 257  | 295  | 391  | 230        | 286  | 339  | 389  | 536  | 297        | 385  | 467  | 543  | 738   |
| 600              | 90/70                                  | 531           | 673  | 805  | 929  | 1258 | 708        | 890  | 1065 | 1233 | 1710 | 923        | 1203 | 1467 | 1716 | 2367  |
|                  | 75/65                                  | 419           | 530  | 633  | 730  | 982  | 559        | 701  | 837  | 967  | 1338 | 727        | 947  | 1152 | 1346 | 1849  |
|                  | 70/55                                  | 332           | 420  | 501  | 576  | 773  | 444        | 556  | 662  | 763  | 1054 | 577        | 750  | 911  | 1062 | 1455  |
|                  | 55/45                                  | 206           | 259  | 309  | 354  | 470  | 276        | 343  | 407  | 467  | 644  | 357        | 462  | 560  | 651  | 885   |
| 700              | 90/70                                  | 619           | 785  | 940  | 1084 | 1468 | 826        | 1039 | 1242 | 1439 | 1995 | 1077       | 1404 | 1712 | 2002 | 2761  |
|                  | 75/65                                  | 488           | 618  | 739  | 851  | 1146 | 652        | 818  | 976  | 1128 | 1561 | 849        | 1104 | 1345 | 1570 | 2158  |
|                  | 70/55                                  | 388           | 490  | 585  | 673  | 901  | 518        | 648  | 772  | 890  | 1230 | 673        | 874  | 1063 | 1239 | 1697  |
|                  | 55/45                                  | 240           | 303  | 360  | 413  | 548  | 321        | 401  | 475  | 545  | 751  | 416        | 539  | 654  | 760  | 1033  |
| 800              | 90/70                                  | 708           | 897  | 1074 | 1239 | 1677 | 944        | 1187 | 1420 | 1645 | 2280 | 1231       | 1604 | 1956 | 2288 | 3155  |
|                  | 75/65                                  | 558           | 707  | 844  | 973  | 1310 | 745        | 935  | 1115 | 1289 | 1784 | 970        | 1262 | 1537 | 1794 | 2466  |
|                  | 70/55                                  | 443           | 560  | 668  | 769  | 1030 | 592        | 741  | 882  | 1017 | 1406 | 769        | 999  | 1215 | 1417 | 1940  |
|                  | 55/45                                  | 275           | 346  | 411  | 472  | 626  | 367        | 458  | 543  | 623  | 858  | 476        | 616  | 747  | 868  | 1181  |
| 900              | 90/70                                  | 796           | 1010 | 1208 | 1394 | 1887 | 1062       | 1336 | 1597 | 1850 | 2565 | 1385       | 1805 | 2201 | 2574 | 3550  |
|                  | 75/65                                  | 628           | 795  | 950  | 1094 | 1474 | 838        | 1052 | 1255 | 1450 | 2008 | 1091       | 1420 | 1729 | 2019 | 2774  |
|                  | 70/55                                  | 498           | 630  | 752  | 865  | 1159 | 666        | 834  | 992  | 1144 | 1582 | 865        | 1124 | 1367 | 1594 | 2182  |
|                  | 55/45                                  | 309           | 389  | 463  | 531  | 704  | 413        | 515  | 610  | 700  | 965  | 535        | 693  | 840  | 977  | 1328  |
| 1000             | 90/70                                  | 885           | 1122 | 1342 | 1549 | 2097 | 1180       | 1484 | 1775 | 2056 | 2850 | 1539       | 2005 | 2445 | 2860 | 3944  |
|                  | 75/65                                  | 698           | 883  | 1055 | 1216 | 1637 | 931        | 1169 | 1394 | 1611 | 2231 | 1212       | 1578 | 1921 | 2243 | 3082  |
|                  | 70/55                                  | 554           | 700  | 835  | 961  | 1288 | 740        | 926  | 1103 | 1271 | 1757 | 961        | 1249 | 1519 | 1771 | 2425  |
|                  | 55/45                                  | 343           | 432  | 514  | 590  | 783  | 459        | 572  | 678  | 778  | 1073 | 595        | 770  | 934  | 1085 | 1476  |
| 1100             | 90/70                                  | 973           | 1234 | 1477 | 1704 | 2306 | 1298       | 1632 | 1952 | 2261 | 3135 | 1692       | 2206 | 2690 | 3146 | 4339  |
|                  | 75/65                                  | 768           | 972  | 1161 | 1338 | 1801 | 1024       | 1285 | 1534 | 1772 | 2454 | 1333       | 1735 | 2113 | 2467 | 3391  |
|                  | 70/55                                  | 609           | 770  | 919  | 1057 | 1416 | 814        | 1019 | 1213 | 1398 | 1933 | 1058       | 1374 | 1671 | 1948 | 2667  |
|                  | 55/45                                  | 378           | 476  | 566  | 649  | 861  | 505        | 630  | 746  | 856  | 1180 | 654        | 848  | 1027 | 1194 | 1623  |
| 1200             | 90/70                                  | 1062          | 1346 | 1611 | 1859 | 2516 | 1416       | 1781 | 2130 | 2467 | 3420 | 1846       | 2406 | 2935 | 3432 | 4733  |
|                  | 75/65                                  | 837           | 1060 | 1266 | 1459 | 1965 | 1117       | 1402 | 1673 | 1934 | 2677 | 1455       | 1893 | 2305 | 2692 | 3699  |
|                  | 70/55                                  | 665           | 840  | 1002 | 1153 | 1545 | 888        | 1111 | 1323 | 1526 | 2109 | 1154       | 1499 | 1822 | 2125 | 2910  |
|                  | 55/45                                  | 412           | 519  | 617  | 708  | 939  | 551        | 687  | 814  | 934  | 1287 | 714        | 925  | 1120 | 1302 | 1771  |
| 1400             | 90/70                                  | 1239          | 1570 | 1879 | 2169 | 2935 | 1652       | 2077 | 2485 | 2878 | 3990 | 2154       | 2807 | 3424 | 4004 | 5522  |
|                  | 75/65                                  | 977           | 1237 | 1477 | 1702 | 2292 | 1304       | 1636 | 1952 | 2256 | 3123 | 1697       | 2209 | 2689 | 3140 | 4315  |
|                  | 70/55                                  | 775           | 980  | 1169 | 1345 | 1803 | 1036       | 1297 | 1544 | 1780 | 2460 | 1346       | 1749 | 2126 | 2479 | 3395  |
|                  | 55/45                                  | 481           | 605  | 720  | 826  | 1096 | 643        | 801  | 949  | 1090 | 1502 | 833        | 1079 | 1307 | 1519 | 2066  |
| 1600             | 90/70                                  | 1416          | 1795 | 2148 | 2479 | 3354 | 1887       | 2374 | 2840 | 3289 | 4560 | 2462       | 3209 | 3913 | 4576 | 6311  |
|                  | 75/65                                  | 1116          | 1413 | 1689 | 1946 | 2620 | 1490       | 1870 | 2231 | 2578 | 3569 | 1940       | 2524 | 3073 | 3589 | 4932  |
|                  | 70/55                                  | 886           | 1120 | 1336 | 1537 | 2060 | 1183       | 1482 | 1764 | 2034 | 2812 | 1538       | 1999 | 2430 | 2833 | 3880  |
|                  | 55/45                                  | 549           | 692  | 823  | 944  | 1252 | 735        | 916  | 1085 | 1245 | 1716 | 952        | 1233 | 1494 | 1736 | 2361  |
| 1800             | 90/70                                  | 1593          | 2019 | 2416 | 2788 | 3774 | 2123       | 2671 | 3195 | 3700 | 5131 | 2769       | 3610 | 4402 | 5148 | 7100  |
|                  | 75/65                                  | 1256          | 1590 | 1900 | 2189 | 2947 | 1676       | 2103 | 2510 | 2900 | 4015 | 2182       | 2840 | 3457 | 4037 | 5548  |
|                  | 70/55                                  | 997           | 1260 | 1503 | 1729 | 2318 | 1331       | 1667 | 1985 | 2288 | 3163 | 1730       | 2249 | 2734 | 3187 | 4365  |
|                  | 55/45                                  | 618           | 778  | 926  | 1062 | 1409 | 827        | 1030 | 1221 | 1401 | 1931 | 1071       | 1387 | 1681 | 1953 | 2656  |
| 2000             | 90/70                                  | 1770          | 2243 | 2685 | 3098 | 4193 | 2359       | 2968 | 3550 | 4112 | 5701 | 3077       | 4011 | 4891 | 5720 | 7889  |
|                  | 75/65                                  | 1395          | 1766 | 2111 | 2432 | 3275 | 1862       | 2337 | 2789 | 3223 | 4461 | 2425       | 3155 | 3842 | 4486 | 6165  |
|                  | 70/55                                  | 1108          | 1400 | 1670 | 1921 | 2575 | 1479       | 1852 | 2205 | 2543 | 3515 | 1923       | 2498 | 3037 | 3541 | 4850  |
|                  | 55/45                                  | 686           | 865  | 1029 | 1180 | 1565 | 919        | 1145 | 1356 | 1557 | 2145 | 1190       | 1541 | 1867 | 2170 | 2951  |
| 2300             | 90/70                                  | 2035          | 2580 | 3088 | 3563 | 4822 | 2713       | 3413 | 4082 | 4728 | 6556 | 3539       | 4612 | 5625 | 6578 | 9072  |
|                  | 75/65                                  | 1605          | 2031 | 2427 | 2797 | 3766 | 2142       | 2688 | 3207 | 3706 | 5130 | 2788       | 3628 | 4418 | 5159 | 7089  |
|                  | 70/55                                  | 1274          | 1610 | 1921 | 2210 | 2961 | 1701       | 2130 | 2536 | 2924 | 4042 | 2211       | 2873 | 3493 | 4073 | 5577  |
|                  | 55/45                                  | 789           | 995  | 1183 | 1357 | 1800 | 1056       | 1316 | 1560 | 1790 | 2467 | 1368       | 1772 | 2148 | 2496 | 3394  |
| 2600             | 90/70                                  | 2300          | 2917 | 3490 | 4028 | 5451 | 3067       | 3858 | 4614 | 5345 | 7411 | 4000       | 5214 | 6358 | 7436 | 10255 |
|                  | 75/65                                  | 1814          | 2296 | 2744 | 3161 | 4257 | 2421       | 3038 | 3625 | 4189 | 5800 | 3152       | 4102 | 4994 | 5832 | 8014  |
|                  | 70/55                                  | 1440          | 1820 | 2171 | 2498 | 3348 | 1923       | 2408 | 2867 | 3305 | 4569 | 2500       | 3248 | 3948 | 4604 | 6305  |
|                  | 55/45                                  | 892           | 1124 | 1337 | 1534 | 2035 | 1194       | 1488 | 1763 | 2023 | 2789 | 1547       | 2003 | 2428 | 2822 | 3837  |
| 3000             | 90/70                                  | 2654          | 3365 | 4027 | 4647 | 6290 | 3539       | 4452 | 5324 | 6167 | 8551 | 4616       | 6016 | 7336 | 8581 | 11833 |
|                  | 75/65                                  | 2093          | 2650 | 3166 | 3648 | 4912 | 2793       | 3506 | 4183 | 4834 | 6692 | 3637       | 4733 | 5762 | 6729 | 9247  |
|                  | 70/55                                  | 1661          | 2100 | 2505 | 2882 | 3863 | 2219       | 2778 | 3308 | 3814 | 5272 | 2884       | 3748 | 4556 | 5312 | 7275  |
|                  | 55/45                                  | 1030          | 1297 | 1543 | 1770 | 2348 | 1378       | 1717 | 2034 | 2335 | 3218 | 1785       | 2311 | 2801 | 3256 | 4427  |



# RADIK® HYGIENE, HYGIENE VK

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 10 HYGIENE<br>Type 10 HYGIENE VK |      |      |      | Type 20S HYGIENE<br>Type 20S HYGIENE VK |      |      |      | Type 30 HYGIENE<br>Type 30 HYGIENE VK |      |      |      |
|------------------|----------------------------------------|---------------------------------------|------|------|------|-----------------------------------------|------|------|------|---------------------------------------|------|------|------|
| Length<br>L [mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                         |      |      |      |                                         |      |      |      |                                       |      |      |      |
|                  |                                        | 303                                   | 503  | 603  | 903  | 303                                     | 503  | 603  | 903  | 303                                   | 503  | 603  | 903  |
| 404              | 90/70                                  |                                       | 239  | 275  | 367  |                                         | 447  | 520  | 739  |                                       | 640  | 739  | 1019 |
|                  | 75/65                                  |                                       | 195  | 224  | 300  |                                         | 365  | 424  | 601  |                                       | 521  | 602  | 826  |
|                  | 70/55                                  |                                       | 161  | 185  | 248  |                                         | 301  | 351  | 495  |                                       | 429  | 496  | 677  |
|                  | 55/45                                  |                                       | 109  | 126  | 170  |                                         | 206  | 240  | 336  |                                       | 292  | 338  | 456  |
| 504              | 90/70                                  | 198                                   | 299  | 344  | 458  | 368                                     | 558  | 650  | 924  |                                       | 800  | 924  | 1274 |
|                  | 75/65                                  | 162                                   | 243  | 280  | 375  | 300                                     | 456  | 530  | 752  |                                       | 651  | 753  | 1032 |
|                  | 70/55                                  | 134                                   | 201  | 231  | 310  | 247                                     | 376  | 438  | 619  |                                       | 537  | 621  | 847  |
|                  | 55/45                                  | 91                                    | 137  | 157  | 212  | 168                                     | 257  | 300  | 420  |                                       | 365  | 422  | 570  |
| 604              | 90/70                                  | 238                                   | 358  | 413  | 550  | 441                                     | 670  | 779  | 1109 | 635                                   | 960  | 1109 | 1528 |
|                  | 75/65                                  | 194                                   | 292  | 336  | 450  | 360                                     | 547  | 637  | 902  | 517                                   | 781  | 903  | 1238 |
|                  | 70/55                                  | 160                                   | 241  | 277  | 372  | 297                                     | 452  | 526  | 743  | 426                                   | 644  | 745  | 1016 |
|                  | 55/45                                  | 109                                   | 164  | 188  | 255  | 202                                     | 308  | 360  | 504  | 289                                   | 438  | 507  | 684  |
| 704              | 90/70                                  | 278                                   | 418  | 482  | 642  | 515                                     | 782  | 909  | 1294 | 741                                   | 1120 | 1294 | 1783 |
|                  | 75/65                                  | 227                                   | 341  | 392  | 525  | 420                                     | 638  | 743  | 1052 | 603                                   | 912  | 1054 | 1445 |
|                  | 70/55                                  | 187                                   | 281  | 323  | 434  | 346                                     | 527  | 614  | 866  | 496                                   | 751  | 869  | 1185 |
|                  | 55/45                                  | 128                                   | 191  | 220  | 297  | 236                                     | 360  | 420  | 588  | 337                                   | 511  | 591  | 798  |
| 804              | 90/70                                  | 318                                   | 478  | 550  | 734  | 589                                     | 893  | 1039 | 1479 | 846                                   | 1280 | 1478 | 2038 |
|                  | 75/65                                  | 259                                   | 389  | 448  | 600  | 480                                     | 729  | 849  | 1203 | 689                                   | 1042 | 1204 | 1651 |
|                  | 70/55                                  | 214                                   | 321  | 369  | 496  | 396                                     | 602  | 702  | 990  | 567                                   | 859  | 993  | 1355 |
|                  | 55/45                                  | 146                                   | 219  | 251  | 340  | 269                                     | 411  | 480  | 672  | 385                                   | 584  | 675  | 913  |
| 904              | 90/70                                  | 357                                   | 538  | 619  | 825  | 662                                     | 1005 | 1169 | 1664 | 952                                   | 1439 | 1663 | 2293 |
|                  | 75/65                                  | 291                                   | 438  | 504  | 674  | 540                                     | 820  | 955  | 1353 | 775                                   | 1172 | 1355 | 1858 |
|                  | 70/55                                  | 241                                   | 361  | 416  | 558  | 445                                     | 678  | 789  | 1114 | 638                                   | 966  | 1117 | 1524 |
|                  | 55/45                                  | 164                                   | 246  | 283  | 382  | 303                                     | 463  | 540  | 756  | 433                                   | 657  | 760  | 1027 |
| 1004             | 90/70                                  | 397                                   | 597  | 688  | 917  | 736                                     | 1117 | 1299 | 1849 | 1058                                  | 1599 | 1848 | 2547 |
|                  | 75/65                                  | 324                                   | 487  | 560  | 749  | 599                                     | 911  | 1061 | 1503 | 861                                   | 1302 | 1505 | 2064 |
|                  | 70/55                                  | 267                                   | 401  | 462  | 620  | 494                                     | 753  | 877  | 1238 | 709                                   | 1073 | 1241 | 1693 |
|                  | 55/45                                  | 182                                   | 273  | 314  | 424  | 337                                     | 514  | 600  | 839  | 482                                   | 730  | 844  | 1141 |
| 1104             | 90/70                                  | 437                                   | 657  | 757  | 1009 | 809                                     | 1228 | 1429 | 2034 | 1164                                  | 1759 | 2033 | 2802 |
|                  | 75/65                                  | 356                                   | 535  | 616  | 824  | 659                                     | 1003 | 1167 | 1654 | 947                                   | 1433 | 1656 | 2270 |
|                  | 70/55                                  | 294                                   | 441  | 508  | 682  | 544                                     | 828  | 965  | 1361 | 780                                   | 1181 | 1365 | 1863 |
|                  | 55/45                                  | 201                                   | 301  | 345  | 467  | 370                                     | 565  | 660  | 923  | 530                                   | 803  | 929  | 1255 |
| 1204             | 90/70                                  | 476                                   | 717  | 826  | 1100 | 883                                     | 1340 | 1559 | 2218 | 1270                                  | 1919 | 2218 | 3057 |
|                  | 75/65                                  | 389                                   | 584  | 672  | 899  | 719                                     | 1094 | 1273 | 1804 | 1033                                  | 1563 | 1806 | 2477 |
|                  | 70/55                                  | 321                                   | 482  | 554  | 744  | 593                                     | 903  | 1052 | 1485 | 851                                   | 1288 | 1489 | 2032 |
|                  | 55/45                                  | 219                                   | 328  | 377  | 509  | 404                                     | 617  | 720  | 1007 | 578                                   | 876  | 1013 | 1369 |
| 1404             | 90/70                                  | 556                                   | 836  | 963  | 1284 | 1030                                    | 1563 | 1819 | 2588 | 1481                                  | 2239 | 2587 | 3566 |
|                  | 75/65                                  | 453                                   | 681  | 784  | 1049 | 839                                     | 1276 | 1485 | 2105 | 1205                                  | 1823 | 2107 | 2889 |
|                  | 70/55                                  | 374                                   | 562  | 646  | 868  | 692                                     | 1054 | 1228 | 1733 | 993                                   | 1503 | 1738 | 2371 |
|                  | 55/45                                  | 255                                   | 382  | 440  | 594  | 471                                     | 720  | 839  | 1175 | 674                                   | 1022 | 1182 | 1597 |
| 1604             | 90/70                                  | 635                                   | 956  | 1101 | 1467 | 1177                                    | 1787 | 2079 | 2958 | 1693                                  | 2559 | 2957 | 4076 |
|                  | 75/65                                  | 518                                   | 779  | 896  | 1199 | 959                                     | 1458 | 1698 | 2405 | 1378                                  | 2084 | 2408 | 3302 |
|                  | 70/55                                  | 428                                   | 642  | 739  | 992  | 791                                     | 1204 | 1403 | 1980 | 1135                                  | 1717 | 1986 | 2709 |
|                  | 55/45                                  | 292                                   | 437  | 502  | 679  | 539                                     | 822  | 959  | 1343 | 771                                   | 1168 | 1351 | 1825 |
| 1804             | 90/70                                  | 714                                   | 1075 | 1238 | 1650 | 1324                                    | 2010 | 2338 | 3328 | 1905                                  | 2879 | 3327 | 4585 |
|                  | 75/65                                  | 583                                   | 876  | 1008 | 1349 | 1079                                    | 1641 | 1910 | 2706 | 1550                                  | 2344 | 2710 | 3715 |
|                  | 70/55                                  | 481                                   | 722  | 831  | 1116 | 890                                     | 1355 | 1578 | 2228 | 1277                                  | 1932 | 2234 | 3048 |
|                  | 55/45                                  | 328                                   | 492  | 565  | 764  | 606                                     | 925  | 1079 | 1511 | 867                                   | 1314 | 1520 | 2053 |
| 2004             | 90/70                                  | 794                                   | 1194 | 1376 | 1834 | 1471                                    | 2234 | 2598 | 3697 | 2116                                  | 3199 | 3696 | 5095 |
|                  | 75/65                                  | 648                                   | 973  | 1120 | 1499 | 1199                                    | 1823 | 2122 | 3007 | 1722                                  | 2605 | 3011 | 4128 |
|                  | 70/55                                  | 535                                   | 803  | 924  | 1240 | 989                                     | 1506 | 1754 | 2475 | 1418                                  | 2147 | 2482 | 3387 |
|                  | 55/45                                  | 365                                   | 546  | 628  | 849  | 673                                     | 1028 | 1199 | 1679 | 963                                   | 1460 | 1689 | 2281 |



# RADIK® HYGIENE, HYGIENE VK

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 10 HYGIENE<br>Type 10 HYGIENE VK |      |      |      | Type 20S HYGIENE<br>Type 20S HYGIENE VK |      |      |      | Type 30 HYGIENE<br>Type 30 HYGIENE VK |      |      |      |
|------------------|----------------------------------------|---------------------------------------|------|------|------|-----------------------------------------|------|------|------|---------------------------------------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                         |      |      |      |                                         |      |      |      |                                       |      |      |      |
|                  |                                        | 303                                   | 503  | 603  | 903  | 303                                     | 503  | 603  | 903  | 303                                   | 503  | 603  | 903  |
| 404              | 90/70                                  |                                       | 215  | 248  | 331  |                                         | 403  | 469  | 666  |                                       | 577  | 667  | 917  |
|                  | 75/65                                  |                                       | 172  | 198  | 266  |                                         | 323  | 376  | 532  |                                       | 461  | 533  | 729  |
|                  | 70/55                                  |                                       | 139  | 160  | 215  |                                         | 261  | 304  | 428  |                                       | 372  | 430  | 585  |
|                  | 55/45                                  |                                       | 90   | 103  | 140  |                                         | 169  | 197  | 275  |                                       | 239  | 277  | 372  |
| 504              | 90/70                                  | 179                                   | 269  | 310  | 414  | 332                                     | 504  | 587  | 833  |                                       | 721  | 833  | 1146 |
|                  | 75/65                                  | 144                                   | 216  | 248  | 333  | 266                                     | 404  | 471  | 665  |                                       | 577  | 667  | 911  |
|                  | 70/55                                  | 116                                   | 174  | 200  | 269  | 214                                     | 326  | 380  | 535  |                                       | 465  | 537  | 731  |
|                  | 55/45                                  | 75                                    | 112  | 129  | 175  | 138                                     | 211  | 246  | 344  |                                       | 299  | 346  | 465  |
| 604              | 90/70                                  | 215                                   | 323  | 372  | 497  | 398                                     | 605  | 704  | 1000 | 572                                   | 865  | 1000 | 1375 |
|                  | 75/65                                  | 172                                   | 259  | 298  | 399  | 319                                     | 485  | 565  | 798  | 457                                   | 692  | 800  | 1093 |
|                  | 70/55                                  | 139                                   | 209  | 240  | 323  | 257                                     | 392  | 457  | 642  | 368                                   | 558  | 645  | 877  |
|                  | 55/45                                  | 90                                    | 134  | 154  | 210  | 166                                     | 253  | 296  | 412  | 237                                   | 359  | 415  | 558  |
| 704              | 90/70                                  | 251                                   | 377  | 434  | 580  | 465                                     | 706  | 821  | 1166 | 668                                   | 1010 | 1167 | 1604 |
|                  | 75/65                                  | 201                                   | 302  | 347  | 466  | 372                                     | 566  | 659  | 931  | 533                                   | 807  | 933  | 1275 |
|                  | 70/55                                  | 162                                   | 243  | 280  | 377  | 300                                     | 457  | 533  | 750  | 430                                   | 651  | 752  | 1023 |
|                  | 55/45                                  | 105                                   | 157  | 180  | 244  | 193                                     | 296  | 345  | 481  | 276                                   | 419  | 485  | 651  |
| 804              | 90/70                                  | 287                                   | 431  | 496  | 663  | 531                                     | 807  | 939  | 1333 | 763                                   | 1154 | 1333 | 1833 |
|                  | 75/65                                  | 230                                   | 345  | 397  | 532  | 425                                     | 646  | 753  | 1064 | 610                                   | 922  | 1066 | 1458 |
|                  | 70/55                                  | 185                                   | 278  | 320  | 431  | 343                                     | 522  | 609  | 857  | 491                                   | 744  | 860  | 1169 |
|                  | 55/45                                  | 120                                   | 179  | 206  | 279  | 221                                     | 338  | 394  | 550  | 316                                   | 479  | 554  | 744  |
| 904              | 90/70                                  | 322                                   | 485  | 558  | 746  | 597                                     | 907  | 1056 | 1499 | 858                                   | 1298 | 1500 | 2062 |
|                  | 75/65                                  | 258                                   | 388  | 446  | 599  | 478                                     | 727  | 847  | 1197 | 686                                   | 1038 | 1200 | 1640 |
|                  | 70/55                                  | 209                                   | 313  | 360  | 484  | 386                                     | 588  | 685  | 964  | 552                                   | 837  | 967  | 1315 |
|                  | 55/45                                  | 135                                   | 202  | 232  | 314  | 249                                     | 380  | 444  | 618  | 355                                   | 538  | 623  | 837  |
| 1004             | 90/70                                  | 358                                   | 539  | 620  | 828  | 664                                     | 1008 | 1173 | 1666 | 954                                   | 1442 | 1667 | 2291 |
|                  | 75/65                                  | 287                                   | 431  | 496  | 665  | 531                                     | 808  | 941  | 1330 | 762                                   | 1153 | 1333 | 1822 |
|                  | 70/55                                  | 232                                   | 348  | 400  | 538  | 428                                     | 653  | 761  | 1071 | 614                                   | 930  | 1075 | 1461 |
|                  | 55/45                                  | 150                                   | 224  | 257  | 349  | 276                                     | 422  | 493  | 687  | 395                                   | 598  | 692  | 931  |
| 1104             | 90/70                                  | 394                                   | 593  | 682  | 911  | 730                                     | 1109 | 1291 | 1833 | 1049                                  | 1586 | 1834 | 2520 |
|                  | 75/65                                  | 316                                   | 474  | 546  | 732  | 584                                     | 889  | 1035 | 1463 | 838                                   | 1268 | 1466 | 2004 |
|                  | 70/55                                  | 255                                   | 382  | 440  | 592  | 471                                     | 718  | 837  | 1178 | 675                                   | 1022 | 1182 | 1607 |
|                  | 55/45                                  | 165                                   | 246  | 283  | 384  | 304                                     | 464  | 542  | 756  | 434                                   | 658  | 761  | 1024 |
| 1204             | 90/70                                  | 430                                   | 646  | 744  | 994  | 796                                     | 1210 | 1408 | 1999 | 1145                                  | 1731 | 2000 | 2750 |
|                  | 75/65                                  | 344                                   | 517  | 595  | 798  | 637                                     | 970  | 1129 | 1596 | 914                                   | 1384 | 1600 | 2186 |
|                  | 70/55                                  | 278                                   | 417  | 480  | 646  | 514                                     | 784  | 913  | 1285 | 737                                   | 1115 | 1290 | 1754 |
|                  | 55/45                                  | 180                                   | 269  | 309  | 419  | 331                                     | 507  | 591  | 825  | 473                                   | 718  | 831  | 1117 |
| 1404             | 90/70                                  | 502                                   | 754  | 869  | 1160 | 929                                     | 1412 | 1643 | 2332 | 1335                                  | 2019 | 2334 | 3208 |
|                  | 75/65                                  | 402                                   | 603  | 694  | 931  | 743                                     | 1131 | 1317 | 1862 | 1067                                  | 1614 | 1866 | 2551 |
|                  | 70/55                                  | 325                                   | 487  | 560  | 754  | 600                                     | 914  | 1065 | 1499 | 859                                   | 1301 | 1505 | 2046 |
|                  | 55/45                                  | 210                                   | 314  | 360  | 489  | 387                                     | 591  | 690  | 962  | 552                                   | 837  | 969  | 1303 |
| 1604             | 90/70                                  | 573                                   | 862  | 993  | 1325 | 1062                                    | 1613 | 1877 | 2666 | 1526                                  | 2308 | 2667 | 3666 |
|                  | 75/65                                  | 459                                   | 690  | 794  | 1064 | 850                                     | 1293 | 1506 | 2128 | 1219                                  | 1845 | 2133 | 2915 |
|                  | 70/55                                  | 371                                   | 556  | 640  | 861  | 685                                     | 1045 | 1218 | 1713 | 982                                   | 1487 | 1720 | 2338 |
|                  | 55/45                                  | 240                                   | 359  | 412  | 559  | 442                                     | 676  | 789  | 1099 | 631                                   | 957  | 1108 | 1489 |
| 1804             | 90/70                                  | 645                                   | 970  | 1117 | 1491 | 1195                                    | 1815 | 2112 | 2999 | 1717                                  | 2596 | 3000 | 4124 |
|                  | 75/65                                  | 517                                   | 776  | 893  | 1197 | 956                                     | 1454 | 1694 | 2394 | 1372                                  | 2075 | 2399 | 3280 |
|                  | 70/55                                  | 417                                   | 626  | 720  | 969  | 771                                     | 1175 | 1370 | 1927 | 1105                                  | 1673 | 1935 | 2630 |
|                  | 55/45                                  | 270                                   | 403  | 463  | 629  | 497                                     | 760  | 887  | 1237 | 710                                   | 1077 | 1246 | 1675 |
| 2004             | 90/70                                  | 716                                   | 1077 | 1241 | 1657 | 1327                                    | 2016 | 2346 | 3332 | 1908                                  | 2885 | 3334 | 4583 |
|                  | 75/65                                  | 574                                   | 862  | 992  | 1330 | 1062                                    | 1616 | 1882 | 2660 | 1524                                  | 2306 | 2666 | 3644 |
|                  | 70/55                                  | 464                                   | 695  | 800  | 1076 | 857                                     | 1306 | 1522 | 2142 | 1228                                  | 1859 | 2150 | 2923 |
|                  | 55/45                                  | 300                                   | 448  | 515  | 698  | 552                                     | 844  | 986  | 1374 | 789                                   | 1196 | 1385 | 1861 |



# RADIK® HYGIENE, HYGIENE VK

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 10 HYGIENE<br>Type 10 HYGIENE VK |      |      |      | Type 20S HYGIENE<br>Type 20S HYGIENE VK |      |      |      | Type 30 HYGIENE<br>Type 30 HYGIENE VK |      |      |      |
|------------------|----------------------------------------|---------------------------------------|------|------|------|-----------------------------------------|------|------|------|---------------------------------------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                         |      |      |      |                                         |      |      |      |                                       |      |      |      |
|                  |                                        | 303                                   | 503  | 603  | 903  | 303                                     | 503  | 603  | 903  | 303                                   | 503  | 603  | 903  |
| 404              | 90/70                                  |                                       | 206  | 238  | 317  |                                         | 386  | 449  | 638  |                                       | 552  | 638  | 876  |
|                  | 75/65                                  |                                       | 164  | 188  | 253  |                                         | 307  | 358  | 505  |                                       | 438  | 506  | 691  |
|                  | 70/55                                  |                                       | 131  | 150  | 202  |                                         | 246  | 286  | 402  |                                       | 349  | 404  | 548  |
|                  | 55/45                                  |                                       | 82   | 94   | 128  |                                         | 155  | 181  | 251  |                                       | 219  | 253  | 340  |
| 504              | 90/70                                  | 172                                   | 258  | 297  | 397  | 318                                     | 483  | 562  | 797  |                                       | 690  | 798  | 1095 |
|                  | 75/65                                  | 136                                   | 205  | 235  | 316  | 252                                     | 384  | 447  | 631  |                                       | 547  | 633  | 864  |
|                  | 70/55                                  | 109                                   | 163  | 188  | 253  | 201                                     | 307  | 358  | 503  |                                       | 437  | 505  | 685  |
|                  | 55/45                                  | 69                                    | 102  | 118  | 160  | 126                                     | 193  | 226  | 314  |                                       | 274  | 317  | 425  |
| 604              | 90/70                                  | 206                                   | 309  | 356  | 476  | 381                                     | 579  | 674  | 956  | 548                                   | 828  | 957  | 1314 |
|                  | 75/65                                  | 164                                   | 245  | 282  | 379  | 302                                     | 460  | 536  | 757  | 434                                   | 657  | 759  | 1036 |
|                  | 70/55                                  | 131                                   | 196  | 225  | 304  | 242                                     | 368  | 429  | 603  | 346                                   | 524  | 606  | 822  |
|                  | 55/45                                  | 82                                    | 123  | 141  | 192  | 152                                     | 232  | 271  | 377  | 216                                   | 328  | 380  | 509  |
| 704              | 90/70                                  | 240                                   | 361  | 416  | 555  | 445                                     | 676  | 787  | 1116 | 639                                   | 966  | 1117 | 1533 |
|                  | 75/65                                  | 191                                   | 286  | 330  | 442  | 353                                     | 537  | 626  | 883  | 506                                   | 766  | 886  | 1209 |
|                  | 70/55                                  | 153                                   | 229  | 263  | 354  | 282                                     | 430  | 501  | 704  | 404                                   | 611  | 707  | 959  |
|                  | 55/45                                  | 96                                    | 143  | 165  | 224  | 177                                     | 271  | 316  | 440  | 252                                   | 383  | 443  | 594  |
| 804              | 90/70                                  | 274                                   | 413  | 475  | 635  | 508                                     | 772  | 899  | 1275 | 730                                   | 1104 | 1276 | 1753 |
|                  | 75/65                                  | 218                                   | 327  | 377  | 505  | 403                                     | 614  | 715  | 1010 | 579                                   | 875  | 1012 | 1382 |
|                  | 70/55                                  | 174                                   | 261  | 300  | 405  | 322                                     | 491  | 572  | 804  | 461                                   | 699  | 808  | 1096 |
|                  | 55/45                                  | 110                                   | 164  | 188  | 256  | 202                                     | 309  | 361  | 502  | 289                                   | 438  | 507  | 679  |
| 904              | 90/70                                  | 309                                   | 464  | 534  | 714  | 572                                     | 869  | 1011 | 1435 | 821                                   | 1242 | 1436 | 1972 |
|                  | 75/65                                  | 245                                   | 368  | 424  | 569  | 454                                     | 691  | 804  | 1136 | 651                                   | 985  | 1139 | 1554 |
|                  | 70/55                                  | 196                                   | 294  | 338  | 456  | 362                                     | 552  | 644  | 905  | 519                                   | 786  | 909  | 1234 |
|                  | 55/45                                  | 123                                   | 184  | 212  | 288  | 227                                     | 348  | 406  | 565  | 325                                   | 492  | 570  | 764  |
| 1004             | 90/70                                  | 343                                   | 516  | 594  | 793  | 635                                     | 965  | 1124 | 1594 | 913                                   | 1380 | 1595 | 2191 |
|                  | 75/65                                  | 273                                   | 409  | 471  | 632  | 504                                     | 767  | 894  | 1262 | 723                                   | 1094 | 1265 | 1727 |
|                  | 70/55                                  | 218                                   | 327  | 376  | 506  | 403                                     | 614  | 715  | 1005 | 577                                   | 873  | 1010 | 1371 |
|                  | 55/45                                  | 137                                   | 205  | 235  | 320  | 253                                     | 387  | 451  | 628  | 361                                   | 547  | 633  | 849  |
| 1104             | 90/70                                  | 377                                   | 567  | 653  | 873  | 699                                     | 1062 | 1236 | 1753 | 1004                                  | 1518 | 1755 | 2410 |
|                  | 75/65                                  | 300                                   | 450  | 518  | 695  | 555                                     | 844  | 983  | 1388 | 795                                   | 1204 | 1392 | 1900 |
|                  | 70/55                                  | 240                                   | 359  | 413  | 557  | 443                                     | 675  | 787  | 1106 | 634                                   | 960  | 1111 | 1508 |
|                  | 55/45                                  | 151                                   | 225  | 259  | 352  | 278                                     | 425  | 496  | 691  | 397                                   | 602  | 696  | 934  |
| 1204             | 90/70                                  | 412                                   | 619  | 713  | 952  | 762                                     | 1158 | 1348 | 1913 | 1095                                  | 1656 | 1914 | 2629 |
|                  | 75/65                                  | 327                                   | 491  | 565  | 758  | 605                                     | 921  | 1073 | 1514 | 868                                   | 1313 | 1518 | 2073 |
|                  | 70/55                                  | 261                                   | 392  | 451  | 607  | 483                                     | 737  | 859  | 1207 | 692                                   | 1048 | 1212 | 1645 |
|                  | 55/45                                  | 165                                   | 246  | 282  | 384  | 303                                     | 464  | 542  | 754  | 433                                   | 656  | 760  | 1019 |
| 1404             | 90/70                                  | 480                                   | 722  | 831  | 1111 | 889                                     | 1352 | 1573 | 2232 | 1278                                  | 1932 | 2234 | 3067 |
|                  | 75/65                                  | 382                                   | 573  | 659  | 885  | 706                                     | 1074 | 1251 | 1767 | 1012                                  | 1532 | 1771 | 2418 |
|                  | 70/55                                  | 305                                   | 457  | 526  | 709  | 564                                     | 859  | 1002 | 1408 | 807                                   | 1222 | 1414 | 1919 |
|                  | 55/45                                  | 192                                   | 287  | 329  | 448  | 354                                     | 541  | 632  | 879  | 505                                   | 766  | 886  | 1189 |
| 1604             | 90/70                                  | 549                                   | 825  | 950  | 1270 | 1016                                    | 1545 | 1798 | 2550 | 1460                                  | 2209 | 2553 | 3505 |
|                  | 75/65                                  | 436                                   | 655  | 753  | 1011 | 807                                     | 1228 | 1430 | 2019 | 1157                                  | 1751 | 2025 | 2763 |
|                  | 70/55                                  | 349                                   | 523  | 601  | 810  | 644                                     | 982  | 1145 | 1609 | 922                                   | 1397 | 1616 | 2193 |
|                  | 55/45                                  | 219                                   | 328  | 377  | 512  | 404                                     | 618  | 722  | 1005 | 577                                   | 875  | 1013 | 1359 |
| 1804             | 90/70                                  | 617                                   | 928  | 1069 | 1428 | 1143                                    | 1738 | 2022 | 2869 | 1643                                  | 2485 | 2872 | 3943 |
|                  | 75/65                                  | 491                                   | 736  | 847  | 1137 | 907                                     | 1381 | 1609 | 2272 | 1302                                  | 1970 | 2278 | 3109 |
|                  | 70/55                                  | 392                                   | 588  | 676  | 911  | 725                                     | 1105 | 1288 | 1810 | 1038                                  | 1572 | 1818 | 2467 |
|                  | 55/45                                  | 247                                   | 369  | 424  | 576  | 455                                     | 696  | 812  | 1131 | 649                                   | 985  | 1140 | 1528 |
| 2004             | 90/70                                  | 686                                   | 1031 | 1188 | 1587 | 1271                                    | 1931 | 2247 | 3188 | 1826                                  | 2761 | 3191 | 4381 |
|                  | 75/65                                  | 545                                   | 818  | 942  | 1264 | 1008                                    | 1535 | 1788 | 2524 | 1446                                  | 2189 | 2531 | 3454 |
|                  | 70/55                                  | 436                                   | 653  | 751  | 1012 | 805                                     | 1228 | 1431 | 2011 | 1153                                  | 1746 | 2020 | 2741 |
|                  | 55/45                                  | 274                                   | 410  | 471  | 640  | 505                                     | 773  | 903  | 1256 | 721                                   | 1094 | 1266 | 1698 |



# RADIK® CLEAN, CLEAN VK

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 10 CLEAN<br>Type 10 CLEAN VK |      |      |      |      | Type 20S CLEAN<br>Type 20S CLEAN VK |      |      |      |      | Type 30 CLEAN<br>Type 30 CLEAN VK |      |      |      |      |
|------------------|----------------------------------------|-----------------------------------|------|------|------|------|-------------------------------------|------|------|------|------|-----------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                     |      |      |      |      |                                     |      |      |      |      |                                   |      |      |      |      |
|                  |                                        | 300                               | 400  | 500  | 600  | 900  | 300                                 | 400  | 500  | 600  | 900  | 300                               | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 186                               | 238  | 288  | 337  | 490  | 330                                 | 418  | 503  | 586  | 819  | 480                               | 601  | 719  | 835  | 1176 |
|                  | 75/65                                  | 150                               | 192  | 233  | 274  | 397  | 267                                 | 338  | 407  | 473  | 663  | 389                               | 486  | 581  | 673  | 947  |
|                  | 70/55                                  | 122                               | 157  | 191  | 225  | 325  | 219                                 | 277  | 333  | 387  | 544  | 319                               | 398  | 475  | 550  | 773  |
|                  | 55/45                                  | 82                                | 105  | 128  | 152  | 218  | 148                                 | 186  | 224  | 260  | 366  | 215                               | 267  | 318  | 367  | 515  |
| 500              | 90/70                                  | 233                               | 297  | 360  | 422  | 613  | 413                                 | 522  | 629  | 732  | 1024 | 600                               | 752  | 899  | 1044 | 1470 |
|                  | 75/65                                  | 187                               | 240  | 291  | 342  | 496  | 334                                 | 423  | 509  | 592  | 829  | 486                               | 608  | 726  | 842  | 1184 |
|                  | 70/55                                  | 153                               | 196  | 239  | 281  | 406  | 274                                 | 347  | 417  | 484  | 680  | 399                               | 498  | 594  | 688  | 966  |
|                  | 55/45                                  | 102                               | 132  | 161  | 189  | 273  | 185                                 | 233  | 280  | 324  | 457  | 268                               | 334  | 397  | 459  | 644  |
| 600              | 90/70                                  | 279                               | 357  | 432  | 506  | 736  | 495                                 | 627  | 755  | 879  | 1229 | 720                               | 902  | 1079 | 1253 | 1764 |
|                  | 75/65                                  | 225                               | 288  | 350  | 410  | 595  | 401                                 | 507  | 610  | 710  | 995  | 583                               | 729  | 871  | 1010 | 1421 |
|                  | 70/55                                  | 184                               | 236  | 287  | 337  | 488  | 329                                 | 416  | 500  | 581  | 816  | 478                               | 597  | 712  | 825  | 1160 |
|                  | 55/45                                  | 123                               | 158  | 193  | 227  | 328  | 221                                 | 280  | 335  | 389  | 548  | 322                               | 401  | 477  | 551  | 773  |
| 700              | 90/70                                  | 326                               | 416  | 504  | 590  | 858  | 578                                 | 731  | 881  | 1025 | 1434 | 840                               | 1052 | 1259 | 1462 | 2058 |
|                  | 75/65                                  | 262                               | 336  | 408  | 479  | 694  | 468                                 | 592  | 712  | 828  | 1161 | 681                               | 851  | 1016 | 1179 | 1658 |
|                  | 70/55                                  | 214                               | 275  | 334  | 393  | 569  | 384                                 | 485  | 583  | 678  | 951  | 558                               | 697  | 831  | 963  | 1353 |
|                  | 55/45                                  | 143                               | 184  | 225  | 265  | 382  | 258                                 | 326  | 391  | 454  | 640  | 376                               | 468  | 556  | 643  | 902  |
| 800              | 90/70                                  | 372                               | 475  | 576  | 675  | 981  | 660                                 | 836  | 1007 | 1172 | 1639 | 961                               | 1203 | 1438 | 1670 | 2352 |
|                  | 75/65                                  | 300                               | 384  | 466  | 547  | 794  | 535                                 | 677  | 814  | 947  | 1327 | 778                               | 973  | 1161 | 1347 | 1895 |
|                  | 70/55                                  | 245                               | 314  | 382  | 449  | 650  | 439                                 | 554  | 666  | 775  | 1087 | 638                               | 796  | 950  | 1100 | 1546 |
|                  | 55/45                                  | 163                               | 210  | 257  | 303  | 437  | 295                                 | 373  | 447  | 519  | 731  | 429                               | 535  | 636  | 734  | 1031 |
| 900              | 90/70                                  | 419                               | 535  | 648  | 759  | 1103 | 743                                 | 940  | 1132 | 1318 | 1844 | 1081                              | 1353 | 1618 | 1879 | 2646 |
|                  | 75/65                                  | 337                               | 432  | 524  | 615  | 893  | 602                                 | 761  | 916  | 1065 | 1492 | 875                               | 1094 | 1307 | 1515 | 2132 |
|                  | 70/55                                  | 276                               | 353  | 430  | 505  | 732  | 493                                 | 624  | 750  | 872  | 1223 | 718                               | 896  | 1069 | 1238 | 1740 |
|                  | 55/45                                  | 184                               | 237  | 289  | 341  | 492  | 332                                 | 419  | 503  | 584  | 823  | 483                               | 601  | 715  | 826  | 1159 |
| 1000             | 90/70                                  | 465                               | 594  | 720  | 843  | 1226 | 825                                 | 1045 | 1258 | 1465 | 2048 | 1201                              | 1503 | 1798 | 2088 | 2940 |
|                  | 75/65                                  | 375                               | 480  | 583  | 684  | 992  | 668                                 | 846  | 1017 | 1184 | 1658 | 972                               | 1216 | 1452 | 1684 | 2369 |
|                  | 70/55                                  | 306                               | 393  | 478  | 562  | 813  | 548                                 | 693  | 833  | 968  | 1359 | 797                               | 996  | 1187 | 1375 | 1933 |
|                  | 55/45                                  | 204                               | 263  | 321  | 379  | 546  | 369                                 | 466  | 559  | 649  | 914  | 536                               | 668  | 795  | 918  | 1288 |
| 1100             | 90/70                                  | 512                               | 654  | 792  | 927  | 1348 | 908                                 | 1149 | 1384 | 1611 | 2253 | 1321                              | 1654 | 1978 | 2297 | 3234 |
|                  | 75/65                                  | 412                               | 528  | 641  | 752  | 1091 | 735                                 | 930  | 1119 | 1302 | 1824 | 1069                              | 1337 | 1597 | 1852 | 2606 |
|                  | 70/55                                  | 337                               | 432  | 525  | 618  | 894  | 603                                 | 762  | 916  | 1065 | 1495 | 877                               | 1095 | 1306 | 1513 | 2126 |
|                  | 55/45                                  | 225                               | 289  | 353  | 417  | 601  | 406                                 | 512  | 615  | 714  | 1005 | 590                               | 735  | 874  | 1010 | 1417 |
| 1200             | 90/70                                  | 558                               | 713  | 864  | 1012 | 1471 | 990                                 | 1254 | 1510 | 1758 | 2458 | 1441                              | 1804 | 2157 | 2505 | 3528 |
|                  | 75/65                                  | 450                               | 576  | 699  | 821  | 1190 | 802                                 | 1015 | 1221 | 1420 | 1990 | 1167                              | 1459 | 1742 | 2020 | 2842 |
|                  | 70/55                                  | 367                               | 471  | 573  | 674  | 975  | 658                                 | 832  | 1000 | 1162 | 1631 | 957                               | 1195 | 1425 | 1650 | 2320 |
|                  | 55/45                                  | 245                               | 316  | 385  | 455  | 655  | 443                                 | 559  | 671  | 779  | 1097 | 644                               | 802  | 954  | 1102 | 1546 |
| 1400             | 90/70                                  | 651                               | 832  | 1008 | 1180 | 1716 | 1155                                | 1463 | 1761 | 2051 | 2868 | 1681                              | 2105 | 2517 | 2923 | 4116 |
|                  | 75/65                                  | 525                               | 672  | 816  | 957  | 1389 | 936                                 | 1184 | 1424 | 1657 | 2321 | 1361                              | 1702 | 2032 | 2357 | 3316 |
|                  | 70/55                                  | 429                               | 550  | 669  | 786  | 1138 | 768                                 | 970  | 1166 | 1356 | 1903 | 1116                              | 1394 | 1662 | 1925 | 2706 |
|                  | 55/45                                  | 286                               | 368  | 449  | 531  | 765  | 517                                 | 652  | 783  | 908  | 1280 | 751                               | 935  | 1113 | 1285 | 1803 |
| 1600             | 90/70                                  | 744                               | 951  | 1152 | 1349 | 1961 | 1320                                | 1672 | 2013 | 2344 | 3277 | 1921                              | 2406 | 2877 | 3341 | 4704 |
|                  | 75/65                                  | 600                               | 768  | 932  | 1094 | 1587 | 1070                                | 1353 | 1628 | 1894 | 2653 | 1556                              | 1945 | 2323 | 2694 | 3790 |
|                  | 70/55                                  | 490                               | 628  | 764  | 898  | 1301 | 877                                 | 1109 | 1333 | 1549 | 2175 | 1276                              | 1593 | 1900 | 2200 | 3093 |
|                  | 55/45                                  | 327                               | 421  | 514  | 606  | 874  | 591                                 | 745  | 894  | 1038 | 1463 | 858                               | 1069 | 1272 | 1469 | 2061 |
| 1800             | 90/70                                  | 837                               | 1070 | 1296 | 1518 | 2207 | 1485                                | 1881 | 2265 | 2637 | 3687 | 2161                              | 2706 | 3236 | 3758 | 5292 |
|                  | 75/65                                  | 675                               | 864  | 1049 | 1231 | 1786 | 1203                                | 1522 | 1831 | 2130 | 2985 | 1750                              | 2188 | 2613 | 3030 | 4264 |
|                  | 70/55                                  | 551                               | 707  | 860  | 1011 | 1463 | 987                                 | 1247 | 1499 | 1743 | 2447 | 1435                              | 1792 | 2137 | 2475 | 3479 |
|                  | 55/45                                  | 368                               | 473  | 578  | 682  | 983  | 664                                 | 839  | 1006 | 1168 | 1645 | 966                               | 1203 | 1430 | 1652 | 2319 |
| 2000             | 90/70                                  | 930                               | 1189 | 1440 | 1686 | 2452 | 1650                                | 2090 | 2516 | 2930 | 4097 | 2401                              | 3007 | 3596 | 4176 | 5881 |
|                  | 75/65                                  | 750                               | 960  | 1165 | 1368 | 1984 | 1337                                | 1691 | 2035 | 2367 | 3316 | 1945                              | 2432 | 2904 | 3367 | 4737 |
|                  | 70/55                                  | 612                               | 785  | 955  | 1123 | 1626 | 1097                                | 1386 | 1666 | 1937 | 2718 | 1594                              | 1991 | 2374 | 2750 | 3866 |
|                  | 55/45                                  | 409                               | 526  | 642  | 758  | 1092 | 738                                 | 932  | 1118 | 1298 | 1828 | 1073                              | 1336 | 1589 | 1836 | 2576 |
| 2300             | 90/70                                  | 1070                              | 1367 | 1656 | 1939 | 2820 | 1898                                | 2403 | 2894 | 3369 | 4711 | 2762                              | 3458 | 4135 | 4802 | 6763 |
|                  | 75/65                                  | 862                               | 1104 | 1340 | 1573 | 2282 | 1537                                | 1945 | 2340 | 2722 | 3814 | 2236                              | 2796 | 3339 | 3872 | 5448 |
|                  | 70/55                                  | 704                               | 903  | 1098 | 1291 | 1869 | 1261                                | 1594 | 1916 | 2227 | 3126 | 1834                              | 2290 | 2731 | 3163 | 4446 |
|                  | 55/45                                  | 470                               | 605  | 738  | 872  | 1256 | 849                                 | 1071 | 1286 | 1492 | 2102 | 1234                              | 1537 | 1828 | 2111 | 2963 |
| 2600             | 90/70                                  | 1209                              | 1545 | 1872 | 2192 | 3187 | 2146                                | 2717 | 3271 | 3809 | 5326 | 3122                              | 3909 | 4674 | 5429 | 7645 |
|                  | 75/65                                  | 975                               | 1248 | 1515 | 1778 | 2579 | 1738                                | 2199 | 2645 | 3077 | 4311 | 2528                              | 3161 | 3775 | 4377 | 6159 |
|                  | 70/55                                  | 796                               | 1021 | 1242 | 1460 | 2113 | 1426                                | 1802 | 2166 | 2518 | 3534 | 2073                              | 2589 | 3087 | 3575 | 5026 |
|                  | 55/45                                  | 531                               | 684  | 835  | 985  | 1420 | 960                                 | 1211 | 1454 | 1687 | 2377 | 1395                              | 1737 | 2066 | 2387 | 3349 |
| 3000             | 90/70                                  | 1395                              | 1783 | 2160 | 2529 | 3678 | 2476                                | 3135 | 3774 | 4395 | 6145 | 3602                              | 4510 | 5394 | 6264 | 8821 |
|                  | 75/65                                  | 1125                              | 1440 | 1748 | 2051 | 2976 | 2005                                | 2537 | 3052 | 3551 | 4974 | 2917                              | 3647 | 4355 | 5051 | 7106 |
|                  | 70/55                                  | 918                               | 1178 | 1433 | 1685 | 2438 | 1645                                | 2079 | 2499 | 2905 | 4078 | 2392                              | 2987 | 3562 | 4125 | 5799 |
|                  | 55/45                                  | 613                               | 789  | 963  | 1137 | 1639 | 1107                                | 1398 | 1677 | 1946 | 2742 | 1609                              | 2005 | 2384 | 2754 | 3865 |



# RADIK® CLEAN, CLEAN VK

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 10 CLEAN<br>Type 10 CLEAN VK |      |      |      |      | Type 20S CLEAN<br>Type 20S CLEAN VK |      |      |      |      | Type 30 CLEAN<br>Type 30 CLEAN VK |      |      |      |      |
|------------------|----------------------------------------|-----------------------------------|------|------|------|------|-------------------------------------|------|------|------|------|-----------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                     |      |      |      |      |                                     |      |      |      |      |                                   |      |      |      |      |
|                  |                                        | 300                               | 400  | 500  | 600  | 900  | 300                                 | 400  | 500  | 600  | 900  | 300                               | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 167                               | 214  | 259  | 304  | 441  | 297                                 | 376  | 452  | 526  | 737  | 432                               | 540  | 646  | 749  | 1055 |
|                  | 75/65                                  | 132                               | 169  | 206  | 242  | 350  | 236                                 | 298  | 359  | 417  | 585  | 343                               | 429  | 512  | 593  | 834  |
|                  | 70/55                                  | 105                               | 135  | 165  | 194  | 280  | 189                                 | 239  | 287  | 334  | 469  | 275                               | 343  | 409  | 473  | 665  |
|                  | 55/45                                  | 66                                | 86   | 105  | 124  | 178  | 120                                 | 152  | 182  | 211  | 298  | 175                               | 218  | 258  | 298  | 418  |
| 500              | 90/70                                  | 209                               | 267  | 324  | 379  | 551  | 371                                 | 470  | 565  | 658  | 921  | 540                               | 676  | 807  | 937  | 1319 |
|                  | 75/65                                  | 165                               | 212  | 257  | 302  | 438  | 295                                 | 373  | 449  | 522  | 732  | 429                               | 536  | 640  | 741  | 1042 |
|                  | 70/55                                  | 132                               | 169  | 206  | 242  | 350  | 237                                 | 299  | 359  | 417  | 586  | 344                               | 429  | 511  | 591  | 831  |
|                  | 55/45                                  | 83                                | 107  | 131  | 155  | 222  | 151                                 | 190  | 228  | 264  | 372  | 219                               | 272  | 323  | 373  | 523  |
| 600              | 90/70                                  | 250                               | 320  | 388  | 455  | 661  | 445                                 | 564  | 678  | 790  | 1105 | 648                               | 811  | 969  | 1124 | 1582 |
|                  | 75/65                                  | 198                               | 254  | 308  | 362  | 525  | 354                                 | 448  | 538  | 626  | 878  | 515                               | 643  | 767  | 889  | 1250 |
|                  | 70/55                                  | 158                               | 203  | 247  | 291  | 420  | 284                                 | 359  | 431  | 500  | 703  | 413                               | 515  | 613  | 710  | 997  |
|                  | 55/45                                  | 99                                | 128  | 157  | 186  | 267  | 181                                 | 228  | 273  | 317  | 447  | 262                               | 326  | 388  | 447  | 627  |
| 700              | 90/70                                  | 292                               | 374  | 453  | 531  | 771  | 520                                 | 658  | 791  | 921  | 1289 | 756                               | 946  | 1130 | 1312 | 1846 |
|                  | 75/65                                  | 231                               | 296  | 360  | 423  | 613  | 413                                 | 522  | 628  | 730  | 1024 | 601                               | 750  | 895  | 1037 | 1459 |
|                  | 70/55                                  | 184                               | 237  | 288  | 339  | 491  | 331                                 | 418  | 503  | 584  | 821  | 481                               | 601  | 715  | 828  | 1163 |
|                  | 55/45                                  | 116                               | 150  | 183  | 217  | 311  | 211                                 | 266  | 319  | 369  | 521  | 306                               | 381  | 452  | 522  | 732  |
| 800              | 90/70                                  | 334                               | 427  | 518  | 607  | 882  | 594                                 | 751  | 904  | 1053 | 1473 | 864                               | 1081 | 1292 | 1499 | 2110 |
|                  | 75/65                                  | 264                               | 338  | 411  | 483  | 700  | 472                                 | 597  | 718  | 834  | 1170 | 686                               | 858  | 1023 | 1186 | 1667 |
|                  | 70/55                                  | 211                               | 271  | 329  | 388  | 561  | 378                                 | 478  | 574  | 667  | 938  | 550                               | 686  | 818  | 946  | 1329 |
|                  | 55/45                                  | 133                               | 171  | 209  | 248  | 356  | 241                                 | 304  | 364  | 422  | 596  | 350                               | 435  | 517  | 596  | 836  |
| 900              | 90/70                                  | 376                               | 480  | 582  | 683  | 992  | 668                                 | 845  | 1018 | 1184 | 1658 | 972                               | 1216 | 1453 | 1686 | 2374 |
|                  | 75/65                                  | 297                               | 381  | 463  | 544  | 788  | 531                                 | 671  | 807  | 939  | 1317 | 772                               | 965  | 1151 | 1334 | 1876 |
|                  | 70/55                                  | 237                               | 304  | 371  | 436  | 631  | 426                                 | 538  | 646  | 751  | 1055 | 619                               | 772  | 920  | 1064 | 1495 |
|                  | 55/45                                  | 149                               | 193  | 235  | 278  | 400  | 271                                 | 342  | 410  | 475  | 670  | 394                               | 490  | 581  | 671  | 941  |
| 1000             | 90/70                                  | 417                               | 534  | 647  | 759  | 1102 | 742                                 | 939  | 1131 | 1316 | 1842 | 1080                              | 1351 | 1614 | 1874 | 2637 |
|                  | 75/65                                  | 330                               | 423  | 514  | 604  | 875  | 590                                 | 746  | 897  | 1043 | 1463 | 858                               | 1072 | 1279 | 1482 | 2084 |
|                  | 70/55                                  | 263                               | 338  | 412  | 485  | 701  | 473                                 | 598  | 718  | 834  | 1172 | 688                               | 858  | 1022 | 1183 | 1661 |
|                  | 55/45                                  | 166                               | 214  | 262  | 309  | 445  | 301                                 | 380  | 455  | 528  | 745  | 437                               | 544  | 646  | 745  | 1045 |
| 1100             | 90/70                                  | 459                               | 587  | 712  | 835  | 1212 | 816                                 | 1033 | 1244 | 1447 | 2026 | 1188                              | 1486 | 1776 | 2061 | 2901 |
|                  | 75/65                                  | 363                               | 465  | 565  | 664  | 963  | 649                                 | 821  | 987  | 1147 | 1609 | 944                               | 1179 | 1407 | 1630 | 2292 |
|                  | 70/55                                  | 290                               | 372  | 453  | 533  | 771  | 520                                 | 657  | 790  | 917  | 1289 | 756                               | 944  | 1124 | 1301 | 1828 |
|                  | 55/45                                  | 182                               | 235  | 288  | 340  | 489  | 331                                 | 418  | 501  | 581  | 819  | 481                               | 598  | 711  | 820  | 1150 |
| 1200             | 90/70                                  | 501                               | 641  | 777  | 911  | 1322 | 891                                 | 1127 | 1357 | 1579 | 2210 | 1296                              | 1621 | 1937 | 2248 | 3165 |
|                  | 75/65                                  | 396                               | 508  | 617  | 725  | 1050 | 708                                 | 895  | 1076 | 1252 | 1756 | 1030                              | 1286 | 1535 | 1778 | 2501 |
|                  | 70/55                                  | 316                               | 406  | 494  | 582  | 841  | 568                                 | 717  | 861  | 1001 | 1407 | 825                               | 1030 | 1227 | 1419 | 1994 |
|                  | 55/45                                  | 199                               | 257  | 314  | 371  | 534  | 361                                 | 456  | 546  | 633  | 894  | 525                               | 653  | 775  | 894  | 1254 |
| 1400             | 90/70                                  | 584                               | 747  | 906  | 1062 | 1543 | 1039                                | 1315 | 1583 | 1842 | 2578 | 1512                              | 1892 | 2260 | 2623 | 3692 |
|                  | 75/65                                  | 462                               | 592  | 720  | 846  | 1225 | 826                                 | 1044 | 1256 | 1460 | 2048 | 1201                              | 1501 | 1791 | 2075 | 2918 |
|                  | 70/55                                  | 369                               | 473  | 576  | 679  | 981  | 662                                 | 837  | 1005 | 1168 | 1641 | 963                               | 1201 | 1431 | 1656 | 2326 |
|                  | 55/45                                  | 232                               | 299  | 366  | 433  | 623  | 421                                 | 531  | 637  | 739  | 1043 | 612                               | 762  | 905  | 1043 | 1463 |
| 1600             | 90/70                                  | 668                               | 854  | 1035 | 1214 | 1763 | 1188                                | 1503 | 1809 | 2105 | 2947 | 1728                              | 2162 | 2583 | 2998 | 4220 |
|                  | 75/65                                  | 528                               | 677  | 822  | 966  | 1400 | 944                                 | 1194 | 1435 | 1669 | 2341 | 1373                              | 1715 | 2046 | 2371 | 3334 |
|                  | 70/55                                  | 421                               | 541  | 659  | 776  | 1121 | 757                                 | 956  | 1149 | 1334 | 1876 | 1100                              | 1373 | 1635 | 1892 | 2658 |
|                  | 55/45                                  | 265                               | 342  | 419  | 495  | 712  | 482                                 | 607  | 728  | 844  | 1192 | 700                               | 870  | 1034 | 1192 | 1672 |
| 1800             | 90/70                                  | 751                               | 961  | 1165 | 1366 | 1984 | 1336                                | 1691 | 2035 | 2369 | 3315 | 1943                              | 2432 | 2906 | 3372 | 4747 |
|                  | 75/65                                  | 594                               | 761  | 925  | 1087 | 1575 | 1062                                | 1343 | 1615 | 1877 | 2633 | 1544                              | 1930 | 2302 | 2668 | 3751 |
|                  | 70/55                                  | 474                               | 609  | 741  | 873  | 1261 | 852                                 | 1076 | 1292 | 1501 | 2110 | 1238                              | 1544 | 1840 | 2129 | 2991 |
|                  | 55/45                                  | 298                               | 385  | 471  | 557  | 801  | 542                                 | 683  | 819  | 950  | 1341 | 787                               | 979  | 1163 | 1342 | 1881 |
| 2000             | 90/70                                  | 835                               | 1068 | 1294 | 1518 | 2204 | 1484                                | 1879 | 2261 | 2632 | 3683 | 2159                              | 2702 | 3229 | 3747 | 5274 |
|                  | 75/65                                  | 660                               | 846  | 1028 | 1208 | 1750 | 1180                                | 1492 | 1794 | 2086 | 2926 | 1716                              | 2144 | 2558 | 2964 | 4168 |
|                  | 70/55                                  | 526                               | 676  | 824  | 970  | 1402 | 946                                 | 1195 | 1436 | 1668 | 2344 | 1375                              | 1716 | 2044 | 2365 | 3323 |
|                  | 55/45                                  | 332                               | 428  | 523  | 619  | 890  | 602                                 | 759  | 910  | 1055 | 1490 | 875                               | 1088 | 1292 | 1491 | 2090 |
| 2300             | 90/70                                  | 960                               | 1228 | 1488 | 1745 | 2535 | 1707                                | 2160 | 2600 | 3026 | 4236 | 2483                              | 3107 | 3713 | 4309 | 6066 |
|                  | 75/65                                  | 759                               | 973  | 1182 | 1389 | 2013 | 1357                                | 1716 | 2063 | 2399 | 3365 | 1973                              | 2466 | 2942 | 3409 | 4793 |
|                  | 70/55                                  | 605                               | 778  | 947  | 1115 | 1612 | 1088                                | 1374 | 1651 | 1918 | 2696 | 1582                              | 1973 | 2351 | 2720 | 3821 |
|                  | 55/45                                  | 381                               | 492  | 602  | 712  | 1023 | 692                                 | 873  | 1047 | 1214 | 1713 | 1006                              | 1251 | 1486 | 1714 | 2404 |
| 2600             | 90/70                                  | 1085                              | 1388 | 1683 | 1973 | 2865 | 1930                                | 2442 | 2939 | 3421 | 4788 | 2807                              | 3513 | 4198 | 4871 | 6857 |
|                  | 75/65                                  | 858                               | 1100 | 1336 | 1570 | 2275 | 1534                                | 1940 | 2332 | 2712 | 3804 | 2231                              | 2787 | 3325 | 3853 | 5418 |
|                  | 70/55                                  | 684                               | 879  | 1071 | 1261 | 1822 | 1230                                | 1554 | 1866 | 2168 | 3048 | 1788                              | 2231 | 2658 | 3075 | 4320 |
|                  | 55/45                                  | 431                               | 556  | 680  | 804  | 1157 | 783                                 | 987  | 1183 | 1372 | 1937 | 1137                              | 1414 | 1680 | 1938 | 2717 |
| 3000             | 90/70                                  | 1252                              | 1601 | 1942 | 2276 | 3306 | 2227                                | 2818 | 3392 | 3948 | 5525 | 3239                              | 4053 | 4843 | 5621 | 7912 |
|                  | 75/65                                  | 990                               | 1269 | 1542 | 1812 | 2625 | 1770                                | 2238 | 2691 | 3129 | 4389 | 2574                              | 3216 | 3837 | 4446 | 6252 |
|                  | 70/55                                  | 790                               | 1014 | 1235 | 1455 | 2102 | 1419                                | 1793 | 2154 | 2502 | 3517 | 2063                              | 2574 | 3066 | 3548 | 4984 |
|                  | 55/45                                  | 497                               | 642  | 785  | 928  | 1335 | 903                                 | 1139 | 1365 | 1583 | 2235 | 1312                              | 1632 | 1938 | 2236 | 3135 |



# RADIK® CLEAN, CLEAN VK

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 22 °C            |                                        | Type 10 CLEAN<br>Type 10 CLEAN VK |      |      |      |      | Type 20S CLEAN<br>Type 20S CLEAN VK |      |      |      |      | Type 30 CLEAN<br>Type 30 CLEAN VK |      |      |      |      |
|------------------|----------------------------------------|-----------------------------------|------|------|------|------|-------------------------------------|------|------|------|------|-----------------------------------|------|------|------|------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]                     |      |      |      |      |                                     |      |      |      |      |                                   |      |      |      |      |
|                  |                                        | 300                               | 400  | 500  | 600  | 900  | 300                                 | 400  | 500  | 600  | 900  | 300                               | 400  | 500  | 600  | 900  |
| 400              | 90/70                                  | 159                               | 204  | 247  | 290  | 421  | 284                                 | 359  | 432  | 503  | 704  | 413                               | 516  | 617  | 716  | 1007 |
|                  | 75/65                                  | 125                               | 160  | 195  | 229  | 332  | 224                                 | 283  | 340  | 395  | 555  | 325                               | 406  | 485  | 561  | 789  |
|                  | 70/55                                  | 99                                | 127  | 154  | 182  | 263  | 177                                 | 224  | 269  | 313  | 440  | 258                               | 322  | 383  | 443  | 622  |
|                  | 55/45                                  | 60                                | 78   | 95   | 113  | 162  | 110                                 | 138  | 166  | 192  | 272  | 160                               | 198  | 235  | 271  | 380  |
| 500              | 90/70                                  | 199                               | 255  | 309  | 363  | 527  | 355                                 | 449  | 540  | 629  | 880  | 516                               | 646  | 771  | 895  | 1259 |
|                  | 75/65                                  | 156                               | 200  | 244  | 286  | 415  | 280                                 | 353  | 425  | 494  | 693  | 407                               | 508  | 606  | 702  | 986  |
|                  | 70/55                                  | 123                               | 158  | 193  | 227  | 329  | 222                                 | 280  | 336  | 391  | 550  | 322                               | 402  | 479  | 554  | 778  |
|                  | 55/45                                  | 75                                | 97   | 119  | 141  | 203  | 137                                 | 173  | 207  | 240  | 340  | 200                               | 248  | 294  | 339  | 476  |
| 600              | 90/70                                  | 239                               | 306  | 371  | 435  | 632  | 426                                 | 539  | 648  | 754  | 1056 | 619                               | 775  | 925  | 1074 | 1511 |
|                  | 75/65                                  | 187                               | 240  | 292  | 344  | 498  | 336                                 | 424  | 510  | 593  | 832  | 488                               | 609  | 727  | 842  | 1184 |
|                  | 70/55                                  | 148                               | 190  | 232  | 273  | 394  | 266                                 | 336  | 404  | 469  | 659  | 387                               | 483  | 575  | 665  | 933  |
|                  | 55/45                                  | 91                                | 117  | 143  | 169  | 243  | 165                                 | 208  | 249  | 289  | 408  | 239                               | 298  | 353  | 407  | 571  |
| 700              | 90/70                                  | 279                               | 357  | 433  | 508  | 737  | 497                                 | 628  | 756  | 880  | 1232 | 722                               | 904  | 1080 | 1253 | 1763 |
|                  | 75/65                                  | 219                               | 280  | 341  | 401  | 580  | 391                                 | 495  | 595  | 692  | 971  | 569                               | 711  | 848  | 982  | 1381 |
|                  | 70/55                                  | 173                               | 222  | 270  | 318  | 460  | 311                                 | 392  | 471  | 547  | 769  | 451                               | 563  | 670  | 775  | 1089 |
|                  | 55/45                                  | 106                               | 136  | 167  | 198  | 284  | 192                                 | 242  | 290  | 337  | 476  | 279                               | 347  | 412  | 475  | 666  |
| 800              | 90/70                                  | 319                               | 408  | 495  | 580  | 843  | 568                                 | 718  | 864  | 1006 | 1408 | 826                               | 1033 | 1234 | 1432 | 2015 |
|                  | 75/65                                  | 250                               | 321  | 390  | 458  | 663  | 447                                 | 566  | 680  | 790  | 1109 | 651                               | 813  | 969  | 1123 | 1578 |
|                  | 70/55                                  | 197                               | 253  | 309  | 364  | 526  | 355                                 | 448  | 538  | 625  | 879  | 516                               | 643  | 766  | 886  | 1244 |
|                  | 55/45                                  | 121                               | 156  | 191  | 226  | 325  | 220                                 | 277  | 332  | 385  | 544  | 319                               | 397  | 471  | 543  | 761  |
| 900              | 90/70                                  | 359                               | 459  | 557  | 653  | 948  | 639                                 | 808  | 972  | 1132 | 1584 | 929                               | 1162 | 1388 | 1610 | 2266 |
|                  | 75/65                                  | 281                               | 361  | 438  | 515  | 746  | 503                                 | 636  | 765  | 889  | 1248 | 732                               | 914  | 1090 | 1263 | 1775 |
|                  | 70/55                                  | 222                               | 285  | 347  | 409  | 591  | 399                                 | 504  | 606  | 703  | 989  | 580                               | 724  | 862  | 997  | 1400 |
|                  | 55/45                                  | 136                               | 175  | 215  | 254  | 365  | 247                                 | 312  | 373  | 433  | 612  | 359                               | 446  | 530  | 611  | 856  |
| 1000             | 90/70                                  | 399                               | 510  | 619  | 726  | 1053 | 710                                 | 898  | 1080 | 1257 | 1760 | 1032                              | 1291 | 1542 | 1789 | 2518 |
|                  | 75/65                                  | 312                               | 401  | 487  | 573  | 829  | 559                                 | 707  | 850  | 988  | 1387 | 813                               | 1016 | 1211 | 1403 | 1973 |
|                  | 70/55                                  | 247                               | 317  | 386  | 455  | 657  | 444                                 | 560  | 673  | 782  | 1099 | 645                               | 804  | 958  | 1108 | 1556 |
|                  | 55/45                                  | 151                               | 195  | 239  | 282  | 406  | 275                                 | 346  | 415  | 481  | 680  | 399                               | 496  | 589  | 679  | 951  |
| 1100             | 90/70                                  | 438                               | 561  | 680  | 798  | 1159 | 781                                 | 988  | 1188 | 1383 | 1936 | 1135                              | 1420 | 1697 | 1968 | 2770 |
|                  | 75/65                                  | 344                               | 441  | 536  | 630  | 912  | 615                                 | 778  | 935  | 1087 | 1525 | 895                               | 1117 | 1333 | 1543 | 2170 |
|                  | 70/55                                  | 271                               | 349  | 425  | 500  | 723  | 488                                 | 616  | 740  | 860  | 1209 | 709                               | 885  | 1053 | 1218 | 1711 |
|                  | 55/45                                  | 166                               | 214  | 262  | 311  | 446  | 302                                 | 381  | 456  | 529  | 747  | 439                               | 546  | 648  | 747  | 1046 |
| 1200             | 90/70                                  | 478                               | 612  | 742  | 871  | 1264 | 851                                 | 1077 | 1297 | 1509 | 2113 | 1239                              | 1549 | 1851 | 2147 | 3022 |
|                  | 75/65                                  | 375                               | 481  | 585  | 687  | 995  | 671                                 | 848  | 1020 | 1186 | 1664 | 976                               | 1219 | 1454 | 1684 | 2367 |
|                  | 70/55                                  | 296                               | 380  | 463  | 546  | 788  | 532                                 | 672  | 807  | 938  | 1319 | 774                               | 965  | 1149 | 1329 | 1867 |
|                  | 55/45                                  | 181                               | 234  | 286  | 339  | 487  | 330                                 | 415  | 498  | 577  | 815  | 479                               | 595  | 706  | 814  | 1141 |
| 1400             | 90/70                                  | 558                               | 714  | 866  | 1016 | 1475 | 993                                 | 1257 | 1513 | 1760 | 2465 | 1445                              | 1808 | 2159 | 2505 | 3526 |
|                  | 75/65                                  | 437                               | 561  | 682  | 802  | 1161 | 783                                 | 990  | 1190 | 1383 | 1941 | 1139                              | 1422 | 1696 | 1964 | 2762 |
|                  | 70/55                                  | 345                               | 444  | 541  | 637  | 920  | 621                                 | 784  | 942  | 1094 | 1539 | 903                               | 1126 | 1341 | 1551 | 2178 |
|                  | 55/45                                  | 211                               | 273  | 334  | 395  | 568  | 385                                 | 485  | 581  | 673  | 951  | 559                               | 694  | 824  | 950  | 1332 |
| 1600             | 90/70                                  | 638                               | 816  | 990  | 1161 | 1685 | 1135                                | 1437 | 1729 | 2012 | 2817 | 1651                              | 2066 | 2468 | 2863 | 4029 |
|                  | 75/65                                  | 500                               | 641  | 779  | 916  | 1327 | 895                                 | 1131 | 1360 | 1581 | 2218 | 1301                              | 1625 | 1938 | 2245 | 3156 |
|                  | 70/55                                  | 394                               | 507  | 618  | 728  | 1051 | 710                                 | 896  | 1077 | 1250 | 1759 | 1032                              | 1287 | 1532 | 1772 | 2489 |
|                  | 55/45                                  | 242                               | 312  | 382  | 452  | 649  | 440                                 | 554  | 664  | 770  | 1087 | 638                               | 794  | 942  | 1086 | 1522 |
| 1800             | 90/70                                  | 717                               | 918  | 1113 | 1306 | 1896 | 1277                                | 1616 | 1945 | 2263 | 3169 | 1858                              | 2324 | 2776 | 3221 | 4533 |
|                  | 75/65                                  | 562                               | 721  | 877  | 1031 | 1493 | 1007                                | 1273 | 1530 | 1778 | 2496 | 1464                              | 1828 | 2180 | 2526 | 3551 |
|                  | 70/55                                  | 444                               | 570  | 695  | 819  | 1183 | 799                                 | 1009 | 1211 | 1407 | 1978 | 1161                              | 1448 | 1724 | 1994 | 2800 |
|                  | 55/45                                  | 272                               | 351  | 429  | 508  | 730  | 494                                 | 623  | 747  | 866  | 1223 | 718                               | 893  | 1060 | 1222 | 1712 |
| 2000             | 90/70                                  | 797                               | 1020 | 1237 | 1451 | 2107 | 1419                                | 1796 | 2161 | 2514 | 3521 | 2064                              | 2582 | 3085 | 3579 | 5037 |
|                  | 75/65                                  | 625                               | 801  | 974  | 1145 | 1658 | 1119                                | 1414 | 1700 | 1976 | 2773 | 1626                              | 2031 | 2423 | 2806 | 3945 |
|                  | 70/55                                  | 493                               | 634  | 772  | 910  | 1314 | 887                                 | 1121 | 1346 | 1563 | 2198 | 1290                              | 1608 | 1915 | 2215 | 3111 |
|                  | 55/45                                  | 302                               | 390  | 477  | 565  | 812  | 549                                 | 692  | 830  | 962  | 1359 | 798                               | 992  | 1177 | 1357 | 1902 |
| 2300             | 90/70                                  | 917                               | 1173 | 1423 | 1669 | 2423 | 1632                                | 2065 | 2485 | 2892 | 4049 | 2374                              | 2970 | 3547 | 4116 | 5792 |
|                  | 75/65                                  | 719                               | 922  | 1120 | 1317 | 1907 | 1286                                | 1626 | 1955 | 2272 | 3189 | 1870                              | 2336 | 2786 | 3227 | 4537 |
|                  | 70/55                                  | 567                               | 729  | 888  | 1046 | 1511 | 1020                                | 1289 | 1548 | 1797 | 2528 | 1483                              | 1850 | 2203 | 2547 | 3578 |
|                  | 55/45                                  | 347                               | 448  | 549  | 650  | 933  | 632                                 | 796  | 954  | 1106 | 1563 | 918                               | 1141 | 1354 | 1561 | 2188 |
| 2600             | 90/70                                  | 1036                              | 1326 | 1608 | 1887 | 2738 | 1845                                | 2334 | 2809 | 3269 | 4577 | 2684                              | 3357 | 4010 | 4652 | 6547 |
|                  | 75/65                                  | 812                               | 1042 | 1267 | 1489 | 2156 | 1454                                | 1838 | 2210 | 2569 | 3605 | 2114                              | 2641 | 3150 | 3648 | 5129 |
|                  | 70/55                                  | 641                               | 824  | 1004 | 1183 | 1708 | 1154                                | 1457 | 1750 | 2032 | 2858 | 1677                              | 2091 | 2490 | 2880 | 4044 |
|                  | 55/45                                  | 392                               | 507  | 620  | 734  | 1055 | 714                                 | 900  | 1079 | 1251 | 1767 | 1037                              | 1290 | 1531 | 1765 | 2473 |
| 3000             | 90/70                                  | 1196                              | 1530 | 1856 | 2177 | 3160 | 2129                                | 2694 | 3241 | 3772 | 5281 | 3096                              | 3873 | 4627 | 5368 | 7555 |
|                  | 75/65                                  | 937                               | 1202 | 1461 | 1718 | 2488 | 1678                                | 2121 | 2550 | 2964 | 4160 | 2440                              | 3047 | 3634 | 4209 | 5918 |
|                  | 70/55                                  | 740                               | 951  | 1158 | 1365 | 1971 | 1331                                | 1681 | 2019 | 2345 | 3297 | 1935                              | 2413 | 2873 | 3323 | 4667 |
|                  | 55/45                                  | 453                               | 585  | 716  | 847  | 1217 | 824                                 | 1039 | 1245 | 1443 | 2039 | 1197                              | 1488 | 1766 | 2036 | 2854 |



# RADIK® RADIK KLASIK - R

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 15 °C            |                                        | Type 20 R     | Type 21 R | Type 22 R | Type 33 R |
|------------------|----------------------------------------|---------------|-----------|-----------|-----------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |           |           |           |
|                  |                                        | 554           | 554       | 554       | 554       |
| 400              | 90/70                                  | 511           | 682       | 889       | 1274      |
|                  | 75/65                                  | 414           | 550       | 716       | 1026      |
|                  | 70/55                                  | 340           | 449       | 585       | 837       |
| 500              | 90/70                                  | 639           | 852       | 1111      | 1593      |
|                  | 75/65                                  | 518           | 687       | 896       | 1283      |
|                  | 70/55                                  | 425           | 561       | 731       | 1047      |
| 600              | 90/70                                  | 767           | 1023      | 1334      | 1911      |
|                  | 75/65                                  | 621           | 825       | 1075      | 1539      |
|                  | 70/55                                  | 510           | 674       | 877       | 1256      |
| 700              | 90/70                                  | 895           | 1193      | 1556      | 2230      |
|                  | 75/65                                  | 725           | 962       | 1254      | 1796      |
|                  | 70/55                                  | 595           | 786       | 1023      | 1465      |
| 800              | 90/70                                  | 1023          | 1364      | 1778      | 2548      |
|                  | 75/65                                  | 828           | 1100      | 1433      | 2052      |
|                  | 70/55                                  | 680           | 898       | 1169      | 1675      |
| 900              | 90/70                                  | 1150          | 1534      | 2001      | 2867      |
|                  | 75/65                                  | 932           | 1237      | 1612      | 2309      |
|                  | 70/55                                  | 764           | 1010      | 1316      | 1884      |
| 1000             | 90/70                                  | 1278          | 1705      | 2223      | 3185      |
|                  | 75/65                                  | 1035          | 1375      | 1791      | 2566      |
|                  | 70/55                                  | 849           | 1123      | 1462      | 2093      |
| 1100             | 90/70                                  | 1406          | 1875      | 2445      | 3504      |
|                  | 75/65                                  | 1139          | 1512      | 1970      | 2822      |
|                  | 70/55                                  | 934           | 1235      | 1608      | 2303      |
| 1200             | 90/70                                  | 1534          | 2046      | 2667      | 3822      |
|                  | 75/65                                  | 1243          | 1650      | 2149      | 3079      |
|                  | 70/55                                  | 1019          | 1347      | 1754      | 2512      |
| 1400             | 90/70                                  | 1789          | 2387      | 3112      | 4459      |
|                  | 75/65                                  | 1450          | 1924      | 2508      | 3592      |
|                  | 70/55                                  | 1189          | 1572      | 2047      | 2931      |
| 1600             | 90/70                                  | 2045          | 2728      | 3557      | 5096      |
|                  | 75/65                                  | 1657          | 2199      | 2866      | 4105      |
|                  | 70/55                                  | 1359          | 1796      | 2339      | 3349      |
| 1800             | 90/70                                  | 2301          | 3069      | 4001      | 5733      |
|                  | 75/65                                  | 1864          | 2474      | 3224      | 4618      |
|                  | 70/55                                  | 1529          | 2021      | 2631      | 3768      |
| 2000             | 90/70                                  | 2556          | 3409      | 4446      | 6370      |
|                  | 75/65                                  | 2071          | 2749      | 3582      | 5131      |
|                  | 70/55                                  | 1699          | 2245      | 2924      | 4187      |
| 2300             | 90/70                                  | 2940          | 3921      | 5113      | 7326      |
|                  | 75/65                                  | 2382          | 3162      | 4120      | 5901      |
|                  | 70/55                                  | 1954          | 2582      | 3362      | 4815      |
| 2600             | 90/70                                  | 3323          | 4432      | 5780      | 8281      |
|                  | 75/65                                  | 2692          | 3574      | 4657      | 6671      |
|                  | 70/55                                  | 2208          | 2919      | 3801      | 5443      |
| 3000             | 90/70                                  | 3834          | 5114      | 6669      | 9555      |
|                  | 75/65                                  | 3106          | 4124      | 5373      | 7697      |
|                  | 70/55                                  | 2548          | 3368      | 4386      | 6280      |
|                  | 55/45                                  | 1716          | 2248      | 2924      | 4184      |

| 18 °C            |                                        | Type 20 R     | Type 21 R | Type 22 R | Type 33 R |
|------------------|----------------------------------------|---------------|-----------|-----------|-----------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |           |           |           |
|                  |                                        | 554           | 554       | 554       | 554       |
| 400              | 90/70                                  | 480           | 640       | 834       | 1195      |
|                  | 75/65                                  | 385           | 510       | 664       | 952       |
|                  | 70/55                                  | 312           | 411       | 535       | 766       |
| 500              | 90/70                                  | 600           | 800       | 1042      | 1493      |
|                  | 75/65                                  | 481           | 638       | 831       | 1190      |
|                  | 70/55                                  | 390           | 514       | 669       | 958       |
| 600              | 90/70                                  | 720           | 960       | 1251      | 1792      |
|                  | 75/65                                  | 577           | 765       | 997       | 1428      |
|                  | 70/55                                  | 467           | 617       | 803       | 1149      |
| 700              | 90/70                                  | 840           | 1119      | 1459      | 2091      |
|                  | 75/65                                  | 674           | 893       | 1163      | 1665      |
|                  | 70/55                                  | 545           | 719       | 936       | 1341      |
| 800              | 90/70                                  | 961           | 1279      | 1668      | 2390      |
|                  | 75/65                                  | 770           | 1020      | 1329      | 1903      |
|                  | 70/55                                  | 623           | 822       | 1070      | 1532      |
| 900              | 90/70                                  | 1081          | 1439      | 1876      | 2688      |
|                  | 75/65                                  | 866           | 1148      | 1495      | 2141      |
|                  | 70/55                                  | 701           | 925       | 1204      | 1724      |
| 1000             | 90/70                                  | 1201          | 1599      | 2085      | 2987      |
|                  | 75/65                                  | 962           | 1275      | 1661      | 2379      |
|                  | 70/55                                  | 779           | 1028      | 1338      | 1915      |
| 1100             | 90/70                                  | 1321          | 1759      | 2293      | 3286      |
|                  | 75/65                                  | 1058          | 1403      | 1827      | 2617      |
|                  | 70/55                                  | 857           | 1130      | 1472      | 2107      |
| 1200             | 90/70                                  | 1441          | 1919      | 2502      | 3584      |
|                  | 75/65                                  | 1155          | 1530      | 1993      | 2855      |
|                  | 70/55                                  | 935           | 1233      | 1605      | 2299      |
| 1400             | 90/70                                  | 1681          | 2239      | 2919      | 4182      |
|                  | 75/65                                  | 1347          | 1785      | 2326      | 3331      |
|                  | 70/55                                  | 1091          | 1439      | 1873      | 2682      |
| 1600             | 90/70                                  | 1921          | 2559      | 3336      | 4779      |
|                  | 75/65                                  | 1539          | 2040      | 2658      | 3807      |
|                  | 70/55                                  | 1247          | 1644      | 2141      | 3065      |
| 1800             | 90/70                                  | 2161          | 2879      | 3753      | 5377      |
|                  | 75/65                                  | 1732          | 2295      | 2990      | 4283      |
|                  | 70/55                                  | 1402          | 1850      | 2408      | 3448      |
| 2000             | 90/70                                  | 2401          | 3198      | 4170      | 5974      |
|                  | 75/65                                  | 1924          | 2550      | 3322      | 4759      |
|                  | 70/55                                  | 1558          | 2055      | 2676      | 3831      |
| 2300             | 90/70                                  | 2762          | 3678      | 4795      | 6870      |
|                  | 75/65                                  | 2213          | 2933      | 3821      | 5472      |
|                  | 70/55                                  | 1792          | 2364      | 3077      | 4406      |
| 2600             | 90/70                                  | 3122          | 4158      | 5421      | 7766      |
|                  | 75/65                                  | 2502          | 3316      | 4319      | 6186      |
|                  | 70/55                                  | 2026          | 2672      | 3478      | 4980      |
| 3000             | 90/70                                  | 3602          | 4798      | 6255      | 8961      |
|                  | 75/65                                  | 2886          | 3826      | 4984      | 7138      |
|                  | 70/55                                  | 2337          | 3083      | 4014      | 5746      |
|                  | 55/45                                  | 1525          | 1992      | 2590      | 3705      |



# RADIK® RADIK KLASIK - R

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| 20 °C            |                                        | Type 20 R     | Type 21 R | Type 22 R | Type 33 R |
|------------------|----------------------------------------|---------------|-----------|-----------|-----------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |           |           |           |
|                  |                                        | 554           | 554       | 554       | 554       |
| 400              | 90/70                                  | 460           | 612       | 798       | 1143      |
|                  | 75/65                                  | 366           | 484       | 630       | 903       |
|                  | 70/55                                  | 293           | 386       | 503       | 720       |
| 500              | 90/70                                  | 575           | 765       | 997       | 1428      |
|                  | 75/65                                  | 457           | 605       | 788       | 1129      |
|                  | 70/55                                  | 366           | 483       | 628       | 900       |
| 600              | 90/70                                  | 690           | 918       | 1196      | 1714      |
|                  | 75/65                                  | 548           | 726       | 946       | 1354      |
|                  | 70/55                                  | 440           | 579       | 754       | 1079      |
| 700              | 90/70                                  | 805           | 1071      | 1396      | 2000      |
|                  | 75/65                                  | 640           | 847       | 1103      | 1580      |
|                  | 70/55                                  | 513           | 676       | 880       | 1259      |
| 800              | 90/70                                  | 920           | 1224      | 1595      | 2285      |
|                  | 75/65                                  | 731           | 968       | 1261      | 1806      |
|                  | 70/55                                  | 586           | 772       | 1005      | 1439      |
| 900              | 90/70                                  | 1035          | 1377      | 1795      | 2571      |
|                  | 75/65                                  | 823           | 1089      | 1418      | 2031      |
|                  | 70/55                                  | 660           | 869       | 1131      | 1619      |
| 1000             | 90/70                                  | 1150          | 1530      | 1994      | 2857      |
|                  | 75/65                                  | 914           | 1210      | 1576      | 2257      |
|                  | 70/55                                  | 733           | 966       | 1257      | 1799      |
| 1100             | 90/70                                  | 1265          | 1683      | 2193      | 3142      |
|                  | 75/65                                  | 1005          | 1331      | 1734      | 2483      |
|                  | 70/55                                  | 806           | 1062      | 1382      | 1979      |
| 1200             | 90/70                                  | 1380          | 1836      | 2393      | 3428      |
|                  | 75/65                                  | 1097          | 1452      | 1891      | 2708      |
|                  | 70/55                                  | 880           | 1159      | 1508      | 2159      |
| 1400             | 90/70                                  | 1609          | 2142      | 2792      | 3999      |
|                  | 75/65                                  | 1280          | 1694      | 2206      | 3160      |
|                  | 70/55                                  | 1026          | 1352      | 1759      | 2519      |
| 1600             | 90/70                                  | 1839          | 2448      | 3190      | 4571      |
|                  | 75/65                                  | 1462          | 1936      | 2522      | 3611      |
|                  | 70/55                                  | 1173          | 1545      | 2011      | 2878      |
| 1800             | 90/70                                  | 2069          | 2754      | 3589      | 5142      |
|                  | 75/65                                  | 1645          | 2178      | 2837      | 4063      |
|                  | 70/55                                  | 1319          | 1738      | 2262      | 3238      |
| 2000             | 90/70                                  | 2299          | 3059      | 3988      | 5713      |
|                  | 75/65                                  | 1828          | 2420      | 3152      | 4514      |
|                  | 70/55                                  | 1466          | 1931      | 2513      | 3598      |
| 2300             | 90/70                                  | 2644          | 3518      | 4586      | 6570      |
|                  | 75/65                                  | 2102          | 2783      | 3625      | 5191      |
|                  | 70/55                                  | 1686          | 2221      | 2890      | 4138      |
| 2600             | 90/70                                  | 2989          | 3977      | 5184      | 7427      |
|                  | 75/65                                  | 2376          | 3146      | 4098      | 5868      |
|                  | 70/55                                  | 1906          | 2510      | 3267      | 4678      |
| 3000             | 90/70                                  | 3449          | 4589      | 5982      | 8570      |
|                  | 75/65                                  | 2742          | 3630      | 4728      | 6771      |
|                  | 70/55                                  | 2199          | 2897      | 3770      | 5397      |
|                  | 55/45                                  | 1400          | 1825      | 2372      | 3394      |

| 22 °C            |                                        | Type 20 R     | Type 21 R | Type 22 R | Type 33 R |
|------------------|----------------------------------------|---------------|-----------|-----------|-----------|
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm] |           |           |           |
|                  |                                        | 554           | 554       | 554       | 554       |
| 400              | 90/70                                  | 440           | 584       | 762       | 1091      |
|                  | 75/65                                  | 347           | 458       | 597       | 855       |
|                  | 70/55                                  | 275           | 362       | 471       | 674       |
| 500              | 90/70                                  | 550           | 730       | 952       | 1364      |
|                  | 75/65                                  | 433           | 573       | 746       | 1068      |
|                  | 70/55                                  | 344           | 452       | 588       | 842       |
| 600              | 90/70                                  | 659           | 877       | 1142      | 1637      |
|                  | 75/65                                  | 520           | 687       | 895       | 1282      |
|                  | 70/55                                  | 412           | 543       | 706       | 1011      |
| 700              | 90/70                                  | 769           | 1023      | 1333      | 1909      |
|                  | 75/65                                  | 606           | 802       | 1044      | 1495      |
|                  | 70/55                                  | 481           | 633       | 824       | 1179      |
| 800              | 90/70                                  | 879           | 1169      | 1523      | 2182      |
|                  | 75/65                                  | 693           | 916       | 1194      | 1709      |
|                  | 70/55                                  | 550           | 723       | 941       | 1347      |
| 900              | 90/70                                  | 989           | 1315      | 1714      | 2455      |
|                  | 75/65                                  | 780           | 1031      | 1343      | 1923      |
|                  | 70/55                                  | 619           | 814       | 1059      | 1516      |
| 1000             | 90/70                                  | 1099          | 1461      | 1904      | 2728      |
|                  | 75/65                                  | 866           | 1146      | 1492      | 2136      |
|                  | 70/55                                  | 687           | 904       | 1177      | 1684      |
| 1100             | 90/70                                  | 1209          | 1607      | 2095      | 3000      |
|                  | 75/65                                  | 953           | 1260      | 1641      | 2350      |
|                  | 70/55                                  | 756           | 995       | 1294      | 1853      |
| 1200             | 90/70                                  | 1319          | 1753      | 2285      | 3273      |
|                  | 75/65                                  | 1040          | 1375      | 1790      | 2564      |
|                  | 70/55                                  | 825           | 1085      | 1412      | 2021      |
| 1400             | 90/70                                  | 1539          | 2045      | 2666      | 3819      |
|                  | 75/65                                  | 1213          | 1604      | 2089      | 2991      |
|                  | 70/55                                  | 962           | 1266      | 1647      | 2358      |
| 1600             | 90/70                                  | 1759          | 2338      | 3047      | 4364      |
|                  | 75/65                                  | 1386          | 1833      | 2387      | 3418      |
|                  | 70/55                                  | 1100          | 1447      | 1883      | 2695      |
| 1800             | 90/70                                  | 1978          | 2630      | 3427      | 4910      |
|                  | 75/65                                  | 1560          | 2062      | 2685      | 3845      |
|                  | 70/55                                  | 1237          | 1628      | 2118      | 3032      |
| 2000             | 90/70                                  | 2198          | 2922      | 3808      | 5455      |
|                  | 75/65                                  | 1733          | 2291      | 2984      | 4273      |
|                  | 70/55                                  | 1375          | 1809      | 2353      | 3369      |
| 2300             | 90/70                                  | 2528          | 3360      | 4379      | 6274      |
|                  | 75/65                                  | 1993          | 2635      | 3431      | 4914      |
|                  | 70/55                                  | 1581          | 2080      | 2706      | 3874      |
| 2600             | 90/70                                  | 2858          | 3799      | 4951      | 7092      |
|                  | 75/65                                  | 2253          | 2979      | 3879      | 5555      |
|                  | 70/55                                  | 1787          | 2351      | 3059      | 4379      |
| 3000             | 90/70                                  | 3297          | 4383      | 5712      | 8183      |
|                  | 75/65                                  | 2599          | 3437      | 4476      | 6409      |
|                  | 70/55                                  | 2062          | 2713      | 3530      | 5053      |
|                  | 55/45                                  | 1277          | 1662      | 2159      | 3089      |



# RADIK® COMBI VK

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

| t <sub>i</sub>   |                                        | Type 22 COMBI VK |      |       |      |       |      |                                        |       |                                    |      |                                                       |      |
|------------------|----------------------------------------|------------------|------|-------|------|-------|------|----------------------------------------|-------|------------------------------------|------|-------------------------------------------------------|------|
|                  |                                        | 15 °C            |      | 20 °C |      | 22 °C |      | Radiator weight<br>M <sub>r</sub> [kg] |       | Water volume<br>V <sub>r</sub> [l] |      | Max. output of<br>the el. heating<br>element<br>P [W] |      |
| Length L<br>[mm] | t <sub>1</sub> /t <sub>2</sub><br>[°C] | Height H [mm]    |      |       |      |       |      |                                        |       |                                    |      |                                                       |      |
|                  |                                        | 500              | 600  | 500   | 600  | 500   | 600  | 500                                    | 600   | 500                                | 600  | 500                                                   | 600  |
| 800              | 90/70                                  | 1577             | 1845 | 1419  | 1658 | 1357  | 1585 | 26,64                                  | 29,56 | 4,9                                | 5,7  | 600                                                   | 700  |
|                  | 75/65                                  | 1278             | 1493 | 1129  | 1317 | 1070  | 1248 |                                        |       |                                    |      |                                                       |      |
|                  | 70/55                                  | 1049             | 1223 | 906   | 1055 | 850   | 989  |                                        |       |                                    |      |                                                       |      |
|                  | 55/45                                  | 707              | 822  | 577   | 670  | 527   | 611  |                                        |       |                                    |      |                                                       |      |
| 1000             | 90/70                                  | 1972             | 2306 | 1774  | 2073 | 1696  | 1981 | 30,80                                  | 36,90 | 6,2                                | 7,1  | 800                                                   | 900  |
|                  | 75/65                                  | 1598             | 1866 | 1411  | 1646 | 1338  | 1560 |                                        |       |                                    |      |                                                       |      |
|                  | 70/55                                  | 1311             | 1529 | 1132  | 1318 | 1062  | 1236 |                                        |       |                                    |      |                                                       |      |
|                  | 55/45                                  | 884              | 1027 | 721   | 837  | 658   | 763  |                                        |       |                                    |      |                                                       |      |
| 1200             | 90/70                                  | 2366             | 2767 | 2129  | 2488 | 2035  | 2378 | 36,96                                  | 44,28 | 7,4                                | 8,5  | 900                                                   | 1000 |
|                  | 75/65                                  | 1918             | 2239 | 1693  | 1975 | 1605  | 1872 |                                        |       |                                    |      |                                                       |      |
|                  | 70/55                                  | 1574             | 1835 | 1358  | 1582 | 1274  | 1483 |                                        |       |                                    |      |                                                       |      |
|                  | 55/45                                  | 1061             | 1233 | 866   | 1004 | 790   | 916  |                                        |       |                                    |      |                                                       |      |
| 1400             | 90/70                                  | 2760             | 3229 | 2483  | 2902 | 2374  | 2774 | 43,12                                  | 51,66 | 8,7                                | 9,9  | 1000                                                  | 1200 |
|                  | 75/65                                  | 2237             | 2612 | 1975  | 2304 | 1873  | 2184 |                                        |       |                                    |      |                                                       |      |
|                  | 70/55                                  | 1836             | 2141 | 1585  | 1846 | 1487  | 1730 |                                        |       |                                    |      |                                                       |      |
|                  | 55/45                                  | 1238             | 1438 | 1010  | 1172 | 922   | 1069 |                                        |       |                                    |      |                                                       |      |
| 1600             | 90/70                                  | 3155             | 3690 | 2838  | 3317 | 2714  | 3170 | 49,28                                  | 59,04 | 9,9                                | 11,4 | 1200                                                  | 1350 |
|                  | 75/65                                  | 2557             | 2986 | 2258  | 2634 | 2140  | 2496 |                                        |       |                                    |      |                                                       |      |
|                  | 70/55                                  | 2098             | 2446 | 1811  | 2109 | 1699  | 1977 |                                        |       |                                    |      |                                                       |      |
|                  | 55/45                                  | 1414             | 1644 | 1154  | 1339 | 1053  | 1221 |                                        |       |                                    |      |                                                       |      |

Notice:

The maximum output of the electrical heating element  $P$  [W] is dependent on the particular type and size of the radiator and must not be exceeded in any case.

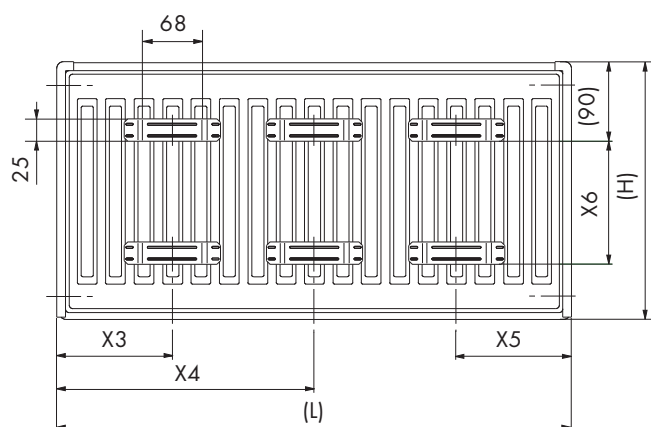
## RADIK COMBI VK

|                               |       | Type 22 COMBI VK |          |
|-------------------------------|-------|------------------|----------|
| Height $H$ [mm]               |       | 500              | 600      |
| Standard heat output<br>[W/m] |       | 1411             | 1646     |
| Temp. exponent $n$ [-]        |       | 1,2981           | 1,3085   |
| $K_r$                         | $c_0$ | 15,43760         | 1,31477  |
| $b$                           | $c_1$ | 0,87128          | -0,01226 |
| Radiator weight<br>[kg/m]     |       | 30,80            | 36,90    |
| Water volume<br>[l/m]         |       | 6,2              | 7,1      |

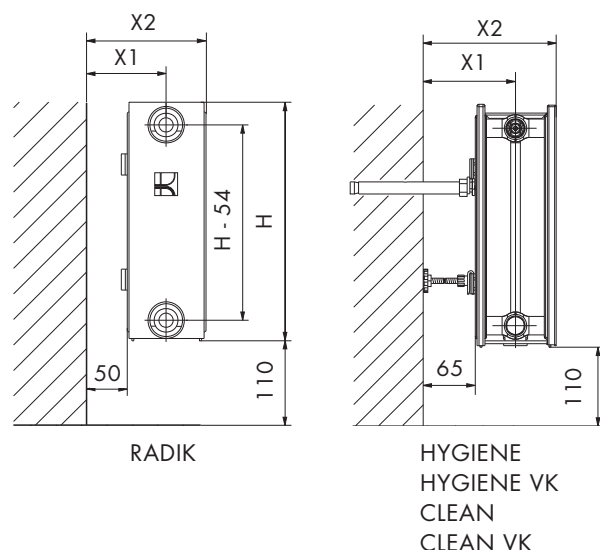


# RADIK® DATA FOR FITTINGS

## Location of hangers



## Position of radiator



## Table of sizes

| Length L [mm] |   | 400 | 500 - 1600 | 1800 | 2000 | 2300 | 2600 | 3000 |
|---------------|---|-----|------------|------|------|------|------|------|
| X3            | A | 133 | 133        | 133  | 133  | 133  | 133  | 133  |
|               | B | 167 | 167        | 167  | 167  | 167  | 167  | 167  |
|               | C | 117 | 150        | 150  | 150  | 150  | 150  | 150  |
|               | D | 100 | 133        | 133  | 133  | 133  | 133  | 133  |
| X4            | A | -   | -          | 900  | 1000 | 1133 | 1300 | 1500 |
|               | B | -   | -          | 900  | 1000 | 1133 | 1300 | 1500 |
|               | C | -   | -          | 883  | 983  | 1150 | 1283 | 1483 |
|               | D | -   | -          | 900  | 1000 | 1133 | 1300 | 1500 |
| X5            | A | 133 | 133        | 133  | 133  | 133  | 133  | 133  |
|               | B | 100 | 133        | 133  | 133  | 133  | 133  | 133  |
|               | C | 117 | 150        | 150  | 150  | 150  | 150  | 150  |
|               | D | 167 | 167        | 167  | 167  | 167  | 167  | 167  |

**A** - for types 10, 20, 20S, 21, 22, 22 COMBI VK, 30, 33, 20 VK, 20 VKL, 20S VK, 21 VK, 21 VKL, 22 VK, 22 VKL, 30 VK, 33 VK, 33 VKL

**B** - for type 10 VK

**C** - for types 11, 11 VK, 11 VKL

**D** - for type 10 VKL

PLAN KLASIK = HYGIENE = CLEAN = KLASIK

PLAN VK = HYGIENE VK = CLEAN VK = VKM = VK

PLAN 11 VKL = 11 VKL

## Table of sizes

| Type      | 10<br>10 VK<br>10 VKL<br>10 VKM | 11<br>11 VK<br>11 VKL<br>11 VKM | 20<br>20 VK<br>20 VKL<br>20 VKM | 21<br>21 VK<br>21 VKL<br>21 VKM | 22<br>22 VK<br>22 VKL<br>22 VKM<br>22 COMBI VK | 33<br>33 VK<br>33 VKL<br>33 VKM |
|-----------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------------------------|---------------------------------|
| <b>X1</b> | 32                              | 75                              | 83                              | 83                              | 100                                            | 100                             |
| <b>X2</b> | 64                              | 107                             | 116                             | 116                             | 150                                            | 205                             |

The **X2** figure is increased by 2 mm for PLAN radiators.

Notice:

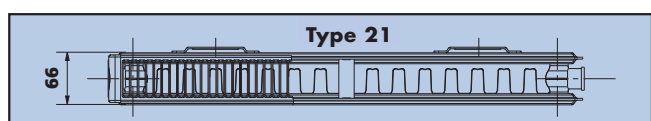
The values of parameters **X1** and **X2** depend on type of brackets applied.

## Table of sizes HYGIENE, HYGIENE VK, CLEAN, CLEAN VK

| Type      | 10<br>10 VK | 20 S<br>20 S VK | 30<br>30 VK |
|-----------|-------------|-----------------|-------------|
| <b>X1</b> | 47          | 115             | 115         |
| <b>X2</b> | 79          | 165             | 220         |

The **X2** figure is increased by 2 mm for models HYGIENE, HYGIENE VK.

| Height<br>H [mm] | 300 | 400 | 500 | 600 | 900 |
|------------------|-----|-----|-----|-----|-----|
| <b>X6</b>        | 145 | 245 | 345 | 445 | 745 |



## Overview of types

| Type           | Number of panels | Number of converter plates |
|----------------|------------------|----------------------------|
| <b>Type 10</b> | 1                | 0                          |
| <b>Type 11</b> | 1                | 1                          |
| <b>Type 20</b> | 2                | 0                          |
| <b>Type 21</b> | 2                | 1                          |
| <b>Type 22</b> | 2                | 2                          |
| <b>Type 30</b> | 3                | 0                          |
| <b>Type 33</b> | 3                | 3                          |



# RADIK® BASIC TECHNICAL PARAMETERS

## RADIK KLASIK, RADIK VK, RADIK VKU, RADIK VKL

|                                           | Type 10<br>Type 10 VK<br>Type 10 VKL |            |        |        |            | Type 11<br>Type 11 VK<br>Type 11 VKL |            |        |             |        | Type 20<br>Type 20 VK<br>Type 20 VKL<br>Type 20 VKU |        |        |            |        |
|-------------------------------------------|--------------------------------------|------------|--------|--------|------------|--------------------------------------|------------|--------|-------------|--------|-----------------------------------------------------|--------|--------|------------|--------|
| Height H [mm]                             | 300                                  | 400        | 500    | 600    | 900        | 300                                  | 400        | 500    | 600         | 900    | 300                                                 | 400    | 500    | 600        | 900    |
| Standard heat output<br>[W/m]             | 330                                  | 423        | 514    | 604    | 875        | 549                                  | 708        | 858    | 1002        | 1394   | 554                                                 | 698    | 838    | 978        | 1398   |
| Temp. exponent n [-]                      | 1,3319                               | 1,3193     | 1,3068 | 1,2942 | 1,3083     | 1,3156                               | 1,3140     | 1,3123 | 1,3107      | 1,3206 | 1,2986                                              | 1,2995 | 1,3005 | 1,3014     | 1,3548 |
| K <sub>T</sub>                            | c <sub>0</sub>                       | 0,01983700 |        |        | 1,29050000 |                                      | 0,01407200 |        | 1,34220000  |        | 0,05138300                                          |        |        | 1,28720000 |        |
| b                                         | c <sub>1</sub>                       | 0,81190000 |        |        | 0,00003492 |                                      | 0,94200000 |        | -0,00004407 |        | 0,73450000                                          |        |        | 0,00005091 |        |
| Radiator weight<br>[kg/m]                 | 6,38                                 | 8,40       | 10,41  | 12,43  | 19,20      | 10,42                                | 14,15      | 17,87  | 21,60       | 32,80  | 13,00                                               | 17,23  | 21,47  | 25,70      | 38,70  |
| Water volume<br>[l/m]                     | 1,9                                  | 2,3        | 2,7    | 3,1    | 4,3        | 1,9                                  | 2,3        | 2,7    | 3,1         | 4,3    | 3,7                                                 | 4,4    | 5,1    | 5,8        | 8,3    |
| Flow coefficient A <sub>T</sub> [m²]      | 6,5 x 10 <sup>-5</sup> (DN 15)       |            |        |        |            | 6,5 x 10 <sup>-5</sup> (DN 15)       |            |        |             |        | 1,0 x 10 <sup>-4</sup> (DN 15)                      |        |        |            |        |
| Resistance coefficient ξ <sub>T</sub> [-] | 19,0 (DN 15)                         |            |        |        |            | 19,0 (DN 15)                         |            |        |             |        | 8,5 (DN 15)                                         |        |        |            |        |

Stated values for the flow coefficient  $A_T$  and the coefficient of resistance  $\xi_r$  apply only to the model RADIK KLASIK.

## RADIK VKM

|                            |                | Type 10 VKM |        |        |             |        | Type 11 VKM |        |        |            |        | Type 20 VKM |        |        |            |        |
|----------------------------|----------------|-------------|--------|--------|-------------|--------|-------------|--------|--------|------------|--------|-------------|--------|--------|------------|--------|
| Height H [mm]              |                | 300         | 400    | 500    | 600         | 900    | 300         | 400    | 500    | 600        | 900    | 300         | 400    | 500    | 600        | 900    |
| Standard heat output [W/m] |                | 375         | 476    | 572    | 665         | 922    | 533         | 683    | 831    | 979        | 1432   | 627         | 784    | 934    | 1080       | 1502   |
| Temp. exponent n [-]       |                | 1,2945      | 1,3013 | 1,3081 | 1,3149      | 1,3331 | 1,2583      | 1,2772 | 1,2962 | 1,3151     | 1,3291 | 1,2960      | 1,3027 | 1,3093 | 1,3160     | 1,3456 |
| K <sub>T</sub>             | c <sub>0</sub> | 0,01616400  |        |        | 1,32460000  |        | 0,03737600  |        |        | 1,27140000 |        | 0,05474000  |        |        | 1,30360000 |        |
| b                          | c <sub>1</sub> | 0,85720000  |        |        | -0,00001748 |        | 0,79480000  |        |        | 0,00004924 |        | 0,73930000  |        |        | 0,00002583 |        |
| Radiator weight [kg/m]     |                | 6,90        | 8,77   | 10,63  | 12,50       | 18,50  | 10,29       | 13,48  | 16,67  | 19,86      | 31,00  | 13,67       | 17,58  | 21,50  | 25,42      | 37,50  |
| Water volume [l/m]         |                | 1,9         | 2,3    | 2,7    | 3,1         | 4,5    | 1,9         | 2,3    | 2,7    | 3,1        | 4,5    | 3,7         | 4,5    | 5,3    | 6,2        | 8,7    |

## RADIK MM

|                                           |                | Type 10 MM                       |        |        |             |        | Type 11 MM                       |            |        |        |             | Type 20 MM                       |        |            |        |        |            |  |
|-------------------------------------------|----------------|----------------------------------|--------|--------|-------------|--------|----------------------------------|------------|--------|--------|-------------|----------------------------------|--------|------------|--------|--------|------------|--|
| Height H [mm]                             |                | 300                              | 400    | 500    | 600         | 900    | 300                              | 400        | 500    | 600    | 900         | 300                              | 400    | 500        | 600    | 900    |            |  |
| Standard heat output [W/m]                |                | 359                              | 464    | 564    | 661         | 927    | 572                              | 728        | 876    | 1017   | 1404        | 581                              | 735    | 884        | 1032   | 1469   |            |  |
| Temp. exponent n [-]                      |                | 1,2848                           | 1,2852 | 1,2856 | 1,286       | 1,3011 | 1,2631                           | 1,2693     | 1,2754 | 1,2816 | 1,3014      | 1,2893                           | 1,2982 | 1,3071     | 1,3160 | 1,3321 |            |  |
| K <sub>T</sub>                            | c <sub>0</sub> | 0,01042300                       |        |        | 1,31201000  |        |                                  | 0,02394200 |        |        | 1,30032000  |                                  |        | 0,04454500 |        |        | 1,29117000 |  |
| b                                         | c <sub>1</sub> | 0,93910200                       |        |        | -0,00003545 |        |                                  | 0,88171000 |        |        | -0,00002999 |                                  |        | 0,76841900 |        |        | 0,00003559 |  |
| Radiator weight [kg/m]                    |                | 6,38                             | 8,40   | 10,41  | 12,43       | 19,20  | 10,42                            | 14,15      | 17,87  | 21,60  | 32,80       | 13,00                            | 17,23  | 21,47      | 25,70  | 38,70  |            |  |
| Water volume [l/m]                        |                | 1,9                              | 2,3    | 2,7    | 3,1         | 4,3    | 1,9                              | 2,3        | 2,7    | 3,1    | 4,3         | 3,7                              | 4,4    | 5,1        | 5,8    | 8,3    |            |  |
| Flow coefficient A <sub>T</sub> [m²]      |                | 3,399 x 10 <sup>-5</sup> (DN 15) |        |        |             |        | 3,399 x 10 <sup>-5</sup> (DN 15) |            |        |        |             | 3,906 x 10 <sup>-5</sup> (DN 15) |        |            |        |        |            |  |
| Resistance coefficient ξ <sub>T</sub> [-] |                | 70 (DN 15)                       |        |        |             |        | 70 (DN 15)                       |            |        |        |             | 53 (DN 15)                       |        |            |        |        |            |  |



# RADIK® BASIC TECHNICAL PARAMETERS

## RADIK KLASIK, RADIK VK, RADIK VKU, RADIK VKL

|                                           | Type 21<br>Type 21 VK<br>Type 21 VKL<br>Type 21 VKU |            |        |        |             | Type 22<br>Type 22 VK<br>Type 22 VKL<br>Type 22 VKU |            |        |        |             | Type 33<br>Type 33 VK<br>Type 33 VKL<br>Type 33 VKU |            |        |        |             |       |
|-------------------------------------------|-----------------------------------------------------|------------|--------|--------|-------------|-----------------------------------------------------|------------|--------|--------|-------------|-----------------------------------------------------|------------|--------|--------|-------------|-------|
| Height H [mm]                             | 300                                                 | 400        | 500    | 600    | 900         | 300                                                 | 400        | 500    | 600    | 900         | 300                                                 | 400        | 500    | 600    | 900         |       |
| Standard heat output [W/m]                | 745                                                 | 937        | 1117   | 1288   | 1754        | 966                                                 | 1216       | 1452   | 1679   | 2313        | 1379                                                | 1738       | 2079   | 2406   | 3328        |       |
| Temp. exponent n [-]                      | 1,3197                                              | 1,3238     | 1,3278 | 1,3319 | 1,3578      | 1,3297                                              | 1,3316     | 1,3334 | 1,3353 | 1,3574      | 1,2977                                              | 1,3129     | 1,3282 | 1,3434 | 1,3626      |       |
| K <sub>T</sub>                            | c <sub>0</sub>                                      | 0,03399300 |        |        | 1,35050000  |                                                     | 0,05120200 |        |        | 1,34380000  |                                                     | 0,07428700 |        |        | 1,33630000  |       |
| b                                         | c <sub>1</sub>                                      | 0,83090000 |        |        | -0,00002395 |                                                     | 0,80550000 |        |        | -0,00000514 |                                                     | 0,80730000 |        |        | -0,00000262 |       |
| Radiator weight [kg/m]                    | 15,60                                               |            | 20,57  | 25,53  | 30,50       | 47,00                                               | 18,40      | 24,37  | 30,33  | 36,30       | 56,30                                               | 27,70      | 36,83  | 45,97  | 55,10       | 84,50 |
| Water volume [l/m]                        | 3,7                                                 |            | 4,4    | 5,1    | 5,8         | 8,3                                                 | 3,7        | 4,4    | 5,1    | 5,8         | 8,4                                                 | 5,3        | 6,4    | 7,6    | 8,7         | 12,6  |
| Flow coefficient A <sub>T</sub> [m²]      | 1,0 x 10 <sup>-4</sup> (DN 15)                      |            |        |        |             | 1,0 x 10 <sup>-4</sup> (DN 15)                      |            |        |        |             | 1,18 x 10 <sup>-4</sup> (DN 15)                     |            |        |        |             |       |
| Resistance coefficient ξ <sub>T</sub> [-] | 8,5 (DN 15)                                         |            |        |        |             | 8,5 (DN 15)                                         |            |        |        |             | 5,8 (DN 15)                                         |            |        |        |             |       |

Stated values for the flow coefficient  $A_T$  and the coefficient of resistance  $\xi_T$  apply only to the model RADIK KLASIK.

## RADIK VKM

|                            |                | Type 21 VKM |        |        |            |        | Type 22 VKM |        |        |             |        | Type 33 VKM |        |        |             |        |
|----------------------------|----------------|-------------|--------|--------|------------|--------|-------------|--------|--------|-------------|--------|-------------|--------|--------|-------------|--------|
| Height H [mm]              |                | 300         | 400    | 500    | 600        | 900    | 300         | 400    | 500    | 600         | 900    | 300         | 400    | 500    | 600         | 900    |
| Standard heat output [W/m] |                | 748         | 937    | 1118   | 1294       | 1802   | 950         | 1204   | 1447   | 1680        | 2335   | 1331        | 1716   | 2075   | 2411        | 3286   |
| Temp. exponent n [-]       |                | 1,3135      | 1,3259 | 1,3384 | 1,3508     | 1,3791 | 1,2985      | 1,3122 | 1,3260 | 1,3397      | 1,3609 | 1,3190      | 1,3273 | 1,3357 | 1,3440      | 1,3708 |
| K <sub>T</sub>             | c <sub>0</sub> | 0,05250800  |        |        | 1,33530000 |        | 0,04268400  |        |        | 1,33820000  |        | 0,02273700  |        |        | 1,39030000  |        |
| b                          | c <sub>1</sub> | 0,75670000  |        |        | 0,00002048 |        | 0,83910000  |        |        | -0,00000944 |        | 0,98690000  |        |        | -0,00007695 |        |
| Radiator weight [kg/m]     |                | 15,50       | 20,22  | 24,94  | 29,67      | 45,17  | 17,90       | 23,60  | 29,30  | 35,00       | 54,00  | 26,20       | 34,70  | 43,20  | 51,70       | 80,75  |
| Water volume [l/m]         |                | 3,7         | 4,5    | 5,3    | 6,2        | 8,7    | 3,7         | 4,5    | 5,3    | 6,2         | 8,9    | 5,4         | 6,7    | 8,0    | 9,3         | 13,0   |

## RADIK MM

|                                           |                | Type 21 MM                       |        |        |             |        | Type 22 MM                       |        |        |            |        | Type 33 MM                       |        |        |             |        |
|-------------------------------------------|----------------|----------------------------------|--------|--------|-------------|--------|----------------------------------|--------|--------|------------|--------|----------------------------------|--------|--------|-------------|--------|
| Height H [mm]                             |                | 300                              | 400    | 500    | 600         | 900    | 300                              | 400    | 500    | 600        | 900    | 300                              | 400    | 500    | 600         | 900    |
| Standard heat output [W/m]                |                | 736                              | 932    | 1114   | 1284        | 1731   | 982                              | 1233   | 1472   | 1702       | 2357   | 1279                             | 1665   | 2028   | 2369        | 3258   |
| Temp. exponent n [-]                      |                | 1,2990                           | 1,3075 | 1,3161 | 1,3246      | 1,3517 | 1,2941                           | 1,3069 | 1,3197 | 1,3325     | 1,3408 | 1,3036                           | 1,3122 | 1,3208 | 1,3294      | 1,3487 |
| K <sub>T</sub>                            | c <sub>0</sub> | 0,02336240                       |        |        | 1,35811000  |        | 0,06657990                       |        |        | 1,31712000 |        | 0,01766570                       |        |        | 1,37772000  |        |
| b                                         | c <sub>1</sub> | 0,89572800                       |        |        | -0,00005488 |        | 0,77778600                       |        |        | 0,00000880 |        | 1,03453000                       |        |        | -0,00008574 |        |
| Radiator weight [kg/m]                    |                | 15,60                            | 20,57  | 25,53  | 30,50       | 47,00  | 18,40                            | 24,37  | 30,33  | 36,30      | 56,30  | 27,70                            | 36,83  | 45,97  | 55,10       | 84,50  |
| Water volume [l/m]                        |                | 3,7                              | 4,4    | 5,1    | 5,8         | 8,3    | 3,7                              | 4,4    | 5,1    | 5,8        | 8,4    | 5,3                              | 6,4    | 7,6    | 8,7         | 12,6   |
| Flow coefficient A <sub>T</sub> [m²]      |                | 3,906 x 10 <sup>-5</sup> (DN 15) |        |        |             |        | 3,906 x 10 <sup>-5</sup> (DN 15) |        |        |            |        | 3,906 x 10 <sup>-5</sup> (DN 15) |        |        |             |        |
| Resistance coefficient ξ <sub>T</sub> [-] |                | 53 (DN 15)                       |        |        |             |        | 53 (DN 15)                       |        |        |            |        | 53 (DN 15)                       |        |        |             |        |



# RADIK® BASIC TECHNICAL PARAMETERS

## RADIK PLAN KLASIK, RADIK PLAN VK, RADIK PLAN VKL

|                                                   |                | Type 10 PLAN<br>Type 10 PLAN VK<br>Type 10 PLAN VKL |        |        |            |        | Type 11 PLAN<br>Type 11 PLAN VK<br>Type 11 PLAN VKL |        |        |             |        | Type 20 PLAN<br>Type 20 PLAN VK<br>Type 20 PLAN VKL |        |        |            |        |
|---------------------------------------------------|----------------|-----------------------------------------------------|--------|--------|------------|--------|-----------------------------------------------------|--------|--------|-------------|--------|-----------------------------------------------------|--------|--------|------------|--------|
| Height H [mm]                                     |                | 300                                                 | 400    | 500    | 600        | 900    | 300                                                 | 400    | 500    | 600         | 900    | 300                                                 | 400    | 500    | 600        | 900    |
| Standard heat output [W/m]                        |                | 305                                                 | 389    | 470    | 550        | 787    | 533                                                 | 678    | 818    | 953         | 1337   | 530                                                 | 657    | 780    | 903        | 1273   |
| Temp. exponent n [-]                              |                | 1.3150                                              | 1.2981 | 1.2813 | 1.2644     | 1.2979 | 1,2683                                              | 1,2683 | 1,2682 | 1,2682      | 1,3015 | 1.2804                                              | 1.2803 | 1.2801 | 1.2800     | 1.2978 |
| K <sub>T</sub>                                    | c <sub>0</sub> | 0,01918200                                          |        |        | 1,28816000 |        | 0,02916400                                          |        |        | 1,28020000  |        | 0,08742900                                          |        |        | 1,24660000 |        |
| b                                                 | c <sub>1</sub> | 0,81440000                                          |        |        | 0,00001277 |        | 0,84290000                                          |        |        | -0,00000253 |        | 0,65840000                                          |        |        | 0,00006546 |        |
| Radiator weight [kg/m]                            |                | 8,94                                                | 11,60  | 14,27  | 16,93      | 26,80  | 12,98                                               | 17,35  | 21,73  | 26,10       | 40,40  | 15,75                                               | 20,63  | 25,52  | 30,40      | 46,30  |
| Water volume [l/m]                                |                | 1,9                                                 | 2,3    | 2,7    | 3,1        | 4,3    | 1,9                                                 | 2,3    | 2,7    | 3,1         | 4,3    | 3,7                                                 | 4,4    | 5,1    | 5,8        | 8,3    |
| Flow coefficient A <sub>r</sub> [m <sup>2</sup> ] |                | 6,5 x 10 <sup>-5</sup> (DN 15)                      |        |        |            |        | 6,5 x 10 <sup>-5</sup> (DN 15)                      |        |        |             |        | 1,0 x 10 <sup>-4</sup> (DN 15)                      |        |        |            |        |
| Resistance coefficient ξ <sub>r</sub> [-]         |                | 19,0 (DN 15)                                        |        |        |            |        | 19,0 (DN 15)                                        |        |        |             |        | 8,5 (DN 15)                                         |        |        |            |        |

Stated values for the flow coefficient  $A_T$  and the coefficient of resistance  $\xi_T$  apply only to the model RADIK PLAN KLASIK.

## RADIK PLAN VKM

|                            |                | Type 10 PLAN VKM |        |        |             |        | Type 11 PLAN VKM |        |        |            |        | Type 20 PLAN VKM |        |        |            |        |
|----------------------------|----------------|------------------|--------|--------|-------------|--------|------------------|--------|--------|------------|--------|------------------|--------|--------|------------|--------|
| Height H [mm]              |                | 300              | 400    | 500    | 600         | 900    | 300              | 400    | 500    | 600        | 900    | 300              | 400    | 500    | 600        | 900    |
| Standard heat output [W/m] |                | 333              | 423    | 510    | 593         | 831    | 530              | 658    | 780    | 897        | 1231   | 587              | 721    | 848    | 969        | 1307   |
| Temp. exponent n [-]       |                | 1,2835           | 1,2866 | 1,3005 | 1,2929      | 1,2701 | 1,2617           | 1,2698 | 1,2778 | 1,2859     | 1,3249 | 1,2836           | 1,2865 | 1,2895 | 1,2924     | 1,3117 |
| K <sub>T</sub>             | c <sub>0</sub> | 0,01898350       |        |        | 1,28222000  |        | 0,05473850       |        |        | 1,27950000 |        | 0,06835010       |        |        | 1,28816000 |        |
| b                          | c <sub>1</sub> | 0,83406000       |        |        | -0,00000009 |        | 0,72786000       |        |        | 0,00001831 |        | 0,70185000       |        |        | 0,00001277 |        |
| Radiator weight [kg/m]     |                | 8,71             | 11,32  | 14,11  | 16,54       | 24,47  | 13,13            | 16,81  | 20,50  | 24,19      | 35,25  | 16,33            | 20,78  | 25,22  | 29,67      | 43,00  |
| Water volume [l/m]         |                | 1,9              | 2,3    | 2,7    | 3,1         | 4,5    | 1,9              | 2,3    | 2,7    | 3,1        | 4,5    | 3,7              | 4,5    | 5,3    | 6,2        | 8,7    |

## RADIK CLEAN, RADIK CLEAN VK

|                                           |                | Type 10 CLEAN<br>Type 10 CLEAN VK |        |        |            |        | Type 20S CLEAN<br>Type 20S CLEAN VK |        |        |            |        | Type 30 CLEAN<br>Type 30 CLEAN VK |        |        |            |        |
|-------------------------------------------|----------------|-----------------------------------|--------|--------|------------|--------|-------------------------------------|--------|--------|------------|--------|-----------------------------------|--------|--------|------------|--------|
| Height H [mm]                             |                | 300                               | 400    | 500    | 600        | 900    | 300                                 | 400    | 500    | 600        | 900    | 300                               | 400    | 500    | 600        | 900    |
| Standard heat output [W/m]                |                | 330                               | 423    | 514    | 604        | 875    | 590                                 | 746    | 897    | 1043       | 1463   | 858                               | 1072   | 1279   | 1482       | 2084   |
| Temp. exponent n [-]                      |                | 1,3319                            | 1,3193 | 1,3068 | 1,2942     | 1,3083 | 1,3018                              | 1,3072 | 1,3127 | 1,3181     | 1,3058 | 1,3037                            | 1,3124 | 1,3212 | 1,3299     | 1,3355 |
| K <sub>T</sub>                            | c <sub>0</sub> | 0,01983700                        |        |        | 1,29050000 |        | 0,03582000                          |        |        | 1,30280000 |        | 0,08627700                        |        |        | 1,29690000 |        |
| b                                         | c <sub>1</sub> | 0,81190000                        |        |        | 0,00003492 |        | 0,80660000                          |        |        | 0,00000963 |        | 0,71530000                        |        |        | 0,00004341 |        |
| Radiator weight [kg/m]                    |                | 6,38                              | 8,40   | 10,41  | 12,43      | 19,20  | 12,80                               | 16,77  | 20,73  | 24,70      | 36,70  | 19,00                             | 24,73  | 30,47  | 36,20      | 56,60  |
| Water volume [l/m]                        |                | 1,9                               | 2,3    | 2,7    | 3,1        | 4,3    | 3,7                                 | 4,4    | 5,1    | 5,8        | 8,3    | 5,3                               | 6,4    | 7,6    | 8,7        | 12,6   |
| Flow coefficient A <sub>T</sub> [m²]      |                | 6,5 x 10 <sup>-5</sup> (DN 15)    |        |        |            |        | 1,0 x 10 <sup>-4</sup> (DN 15)      |        |        |            |        | 1,18 x 10 <sup>-4</sup> (DN 15)   |        |        |            |        |
| Resistance coefficient ξ <sub>T</sub> [-] |                | 19,0 (DN 15)                      |        |        |            |        | 8,5 (DN 15)                         |        |        |            |        | 5,8 (DN 15)                       |        |        |            |        |

Stated values for the flow coefficient  $A_T$  and the coefficient of resistance  $\xi_T$  apply only to the model RADIK CLEAN.



# RADIK® BASIC TECHNICAL PARAMETERS

## RADIK PLAN KLASIK, RADIK PLAN VK, RADIK PLAN VKL

|                                           |                | Type 21 PLAN<br>Type 21 PLAN VK<br>Type 21 PLAN VKL |        |        |            |        | Type 22 PLAN<br>Type 22 PLAN VK<br>Type 22 PLAN VKL |            |        |        |            | Type 33 PLAN<br>Type 33 PLAN VK<br>Type 33 PLAN VKL |        |            |        |             |
|-------------------------------------------|----------------|-----------------------------------------------------|--------|--------|------------|--------|-----------------------------------------------------|------------|--------|--------|------------|-----------------------------------------------------|--------|------------|--------|-------------|
| Height H [mm]                             |                | 300                                                 | 400    | 500    | 600        | 900    | 300                                                 | 400        | 500    | 600    | 900        | 300                                                 | 400    | 500        | 600    | 900         |
| Standard heat output [W/m]                |                | 727                                                 | 896    | 1060   | 1222       | 1711   | 948                                                 | 1187       | 1414   | 1631   | 2243       | 1337                                                | 1689   | 2022       | 2341   | 3231        |
| Temp. exponent n [-]                      |                | 1,3098                                              | 1,3145 | 1,3192 | 1,3239     | 1,3455 | 1,3141                                              | 1,3174     | 1,3208 | 1,3241 | 1,3314     | 1,3284                                              | 1,3252 | 1,3219     | 1,3187 | 1,3565      |
| K <sub>r</sub>                            | c <sub>0</sub> | 0,11665000                                          |        |        | 1,28640000 |        |                                                     | 0,06239700 |        |        | 1,32230000 |                                                     |        | 0,06322600 |        | 1,34170000  |
| b                                         | c <sub>1</sub> | 0,63580000                                          |        |        | 0,00006698 |        |                                                     | 0,78080000 |        |        | 0,00000157 |                                                     |        | 0,82820000 |        | -0,00001160 |
| Radiator weight [kg/m]                    |                | 18,20                                               | 23,87  | 29,53  | 35,20      | 54,60  | 21,00                                               | 27,57      | 34,13  | 40,70  | 64,40      | 30,40                                               | 39,70  | 49,00      | 58,30  | 92,75       |
| Water volume [l/m]                        |                | 3,7                                                 | 4,4    | 5,1    | 5,8        | 8,3    | 3,7                                                 | 4,4        | 5,1    | 5,8    | 8,4        | 5,3                                                 | 6,4    | 7,6        | 8,7    | 12,6        |
| Flow coefficient A <sub>r</sub> [m²]      |                | 1,0 x 10 -4 (DN 15)                                 |        |        |            |        | 1,0 x 10 -4 (DN 15)                                 |            |        |        |            | 1,18 x 10 -4 (DN 15)                                |        |            |        |             |
| Resistance coefficient ξ <sub>r</sub> [-] |                | 8,5 (DN 15)                                         |        |        |            |        | 8,5 (DN 15)                                         |            |        |        |            | 5,8 (DN 15)                                         |        |            |        |             |

Stated values for the flow coefficient  $A_T$  and the coefficient of resistance  $\xi_T$  apply only to the model RADIK PLAN KLASIK.

## RADIK PLAN VKM

|                             |                | Type 21 PLAN VKM |        |        |             |        | Type 22 PLAN VKM |            |        |        |             | Type 33 PLAN VKM |        |            |        |             |
|-----------------------------|----------------|------------------|--------|--------|-------------|--------|------------------|------------|--------|--------|-------------|------------------|--------|------------|--------|-------------|
| Height <b>H</b> [mm]        |                | 300              | 400    | 500    | 600         | 900    | 300              | 400        | 500    | 600    | 900         | 300              | 400    | 500        | 600    | 900         |
| Standard heat output [W/m]  |                | 720              | 904    | 1072   | 1226        | 1617   | 914              | 1165       | 1400   | 1621   | 2215        | 1337             | 1689   | 2022       | 2341   | 3231        |
| Temp. exponent <b>n</b> [-] |                | 1,3019           | 1,3144 | 1,3268 | 1,3393      | 1,3553 | 1,2863           | 1,2990     | 1,3117 | 1,3244 | 1,3493      | 1,3284           | 1,3252 | 1,3219     | 1,3187 | 1,3565      |
| K <sub>r</sub>              | c <sub>0</sub> | 0,02292700       |        |        | 1,37408000  |        |                  | 0,02809110 |        |        | 1,34778000  |                  |        | 0,06322600 |        | 1,34170000  |
| b                           | c <sub>1</sub> | 0,88738300       |        |        | -0,00007040 |        |                  | 0,90711100 |        |        | -0,00004768 |                  |        | 0,82820000 |        | -0,00001160 |
| Radiator weight [kg/m]      |                | 17,92            | 23,72  | 29,53  | 35,33       | 52,75  | 19,80            | 26,67      | 33,53  | 40,40  | 61,00       | 28,70            | 38,17  | 47,63      | 57,10  | 85,50       |
| Water volume [l/m]          |                | 3,7              | 4,5    | 5,3    | 6,2         | 8,7    | 3,7              | 4,5        | 5,3    | 6,2    | 8,9         | 5,4              | 6,7    | 8,0        | 9,3    | 13,0        |

## RADIK HYGIENE, RADIK HYGIENE VK

|                                           |                | Type 10 HYGIENE<br>Type 10 HYGIENE VK |        |          |        | Type 20S HYGIENE<br>Type 20S HYGIENE VK |        |         |        | Type 30 HYGIENE<br>Type 30 HYGIENE VK |        |          |        |
|-------------------------------------------|----------------|---------------------------------------|--------|----------|--------|-----------------------------------------|--------|---------|--------|---------------------------------------|--------|----------|--------|
| Height <b>H</b> [mm]                      |                | 303                                   | 503    | 603      | 903    | 303                                     | 503    | 603     | 903    | 303                                   | 503    | 603      | 903    |
| Standard heat output<br>[W/m]             |                | 287                                   | 431    | 496      | 665    | 531                                     | 808    | 941     | 1330   | 762                                   | 1153   | 1333     | 1822   |
| Temp. exponent <b>n</b> [-]               |                | 1,2577                                | 1,2656 | 1,2695   | 1,2463 | 1,2649                                  | 1,2557 | 1,2512  | 1,2776 | 1,2737                                | 1,2697 | 1,2677   | 1,3001 |
| K <sub>T</sub>                            | c <sub>0</sub> | 5,66770                               |        | 1,29117  |        | 10,00560                                |        | 1,25240 |        | 13,78020                              |        | 1,29919  |        |
| b                                         | c <sub>1</sub> | 0,88776                               |        | -0,05518 |        | 0,79639                                 |        | 0,02021 |        | 0,86461                               |        | -0,03112 |        |
| Radiator weight<br>[kg/m]                 |                | 8,80                                  | 14,00  | 16,70    | 25,30  | 15,60                                   | 25,10  | 29,80   | 46,00  | 24,90                                 | 37,50  | 43,90    | 63,50  |
| Water volume<br>[l/m]                     |                | 1,9                                   | 2,7    | 3,1      | 4,3    | 3,7                                     | 5,1    | 5,8     | 8,4    | 5,3                                   | 7,6    | 8,7      | 12,6   |
| Flow coefficient<br>A <sub>T</sub> [m²]   |                | 6,5 x 10 <sup>-5</sup> (DN 15)        |        |          |        | 1,0 x 10 <sup>-4</sup> (DN 15)          |        |         |        | 1,18 x 10 <sup>-4</sup> (DN 15)       |        |          |        |
| Resistance coefficient ξ <sub>T</sub> [-] |                | 19,0 (DN 15)                          |        |          |        | 8,5 (DN 15)                             |        |         |        | 5,8 (DN 15)                           |        |          |        |

Stated values for the flow coefficient  $A_T$  and the coefficient of resistance  $\xi_T$  apply only to the model RADIK HYGIENE.



# HM FITTINGS

## Description

Connection fittings HM have been specially developed for steel panel radiators RADIK MM, i.e. radiators without valve and with bottom connection with a connecting pitch of 50 mm. They can also be used for all other KORALUX and KORATHERM radiators with the same type of connection to the heating system.

It is the integrated fittings, i.e. the body of the fittings has an integrated valve and an adjustable screw connection so it is possible to disconnect the radiator from the heating system without interrupting operation.

The fittings enable to preset the flow rate of the radiator, its closure at the inlet and outlet and thanks to the thermostatic head also regulation of the heat output of the radiator in relation to the temperature in the heated room. The presetting level is given by the number of turns on the plug of the adjustment screw connection from the "closed" position. Presetting of the regulation level is reproducible, i.e. when the flow is closed and then opened again, there is no change in the set regulation level.

## Delivery equipment

The following parts of HM fittings are delivered as standard:

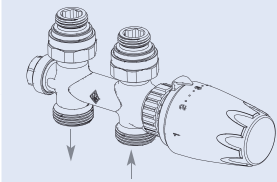
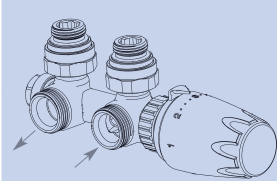
- integrated fittings in straight or angular design
- thermostatic head in white or chrome
- 2x reduction G 1/2 to G 3/4 with sealing "O" ring
- 2x flat sealing pieces from EPDM rubber
- assembly and operating instructions

Subject to special request, the following can be supplied:

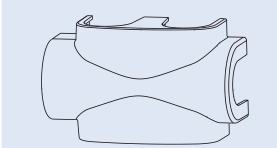
- universal cover for the fittings in white
- universal cover for the fittings in chrome

## How to order

### HM Fitting

|                                                                                     | Design   | Colour of the thermostatic head | Order number |
|-------------------------------------------------------------------------------------|----------|---------------------------------|--------------|
|  | straight | white                           | Z-D023       |
|                                                                                     |          | chrome                          | Z-D024       |
|  | angular  | white                           | Z-D025       |
|                                                                                     |          | chrome                          | Z-D026       |

### HM Fitting Cover

|                                                                                     |           |        |        |
|-------------------------------------------------------------------------------------|-----------|--------|--------|
|  | universal | white  | Z-D027 |
|                                                                                     |           | chrome | Z-D028 |

## Use

The fittings are designed for two-pipe pressurized heating systems. They can be used for the following range of KORADO radiators:

| Product range | Radiator model                                         |
|---------------|--------------------------------------------------------|
| RADIK         | RADIK MM, RADIK PLAN VERTIKAL-M, RADIK LINE VERTIKAL-M |
|               | KORALUX LINEAR CLASSIC-M, KORALUX LINEAR PLUS-M        |
| KORALUX       | KORALUX RONDO-M, KORALUX RONDO PLUS-M                  |
|               | KORALUX TUBUS-M                                        |
| KORATHERM     | KORATHERM HORIZONTAL-M                                 |
|               | KORATHERM VERTIKAL-M                                   |

Note:

When using internal stand brackets Z-U130, Z-U330 for the RADIK MM model and Z-U580, Z-U581 stand brackets for the KORATHERM HORIZONTAL-M model, HM connection fittings can be used from length L = 700 mm.

## Way of connection

Connection to the heating system is accomplished using a G 3/4 external thread and a clamp connection can be used for copper, plastic, precision steel or multilayer pipes.

Connection of the fittings to the radiator is accomplished with the aid of a self-sealing double nipple (reduction) G 1/2 to G 3/4, which is delivered as standard.

The valve on the fittings is equipped with M 30 x 1.5 external connection threading for mounting of the thermostatic head, which is delivered as standard with the HM Connection fitting.

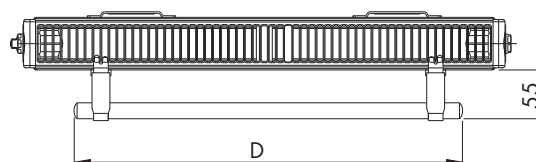


## RADIK® ACCESSORIES

### Towel dryer for RADIK



- designed to be used for all types of the following models of panel radiators RADIK:
  - RADIK KLASIK
  - RADIK KLASIK-R
  - RADIK VK
  - RADIK VKL
  - RADIK VKU
  - RADIK VKM
  - RADIK COMBI VK
  - RADIK MM
  - RADIK CLEAN
  - RADIK CLEAN VK
- easy mounting and demounting
- no need to remove the top grill
- metal parts painted in white
- the towel dryer length **D** is not dependent on the radiator length **L**
- max. vertical load of the towel dryer is **50 N**



| Type                       | Towel dryer length D [mm] | Order number |
|----------------------------|---------------------------|--------------|
| Towel dryer for RADIK 600  | 600                       | Z-D030       |
| Towel dryer for RADIK 900  | 900                       | Z-D031       |
| Towel dryer for RADIK 1200 | 1200                      | Z-D032       |

### Radiator brush



- intended for cleaning all radiators KORADO
- easy and quick cleaning
- no need to remove the top grill



| Type           | Order number |
|----------------|--------------|
| Radiator brush | Z-D029       |



# RADIK® SVÚOM PRAHA – INFORMATION

## (I.E. STATE RESEARCH INSTITUTE FOR PROTECTION OF MATERIALS)

The below given information defines conditions for appropriate using steel radiators which are protected with final surface finish in accordance with DIN 55 900 standard. It also specifies critical locations, spaces and environment limiting their applications. KORADO, a.s. (joint-stock co.) recommends the below given advice to be strictly respected at all practical applications because this will be taken into consideration in case of judgement and evaluation of any future claims and/or complaints.

### POSSIBILITIES AND LIMITATIONS FOR USING STEEL RADIATORS WITH SURFACE FINISH ACCORDING TO DIN 55 900 STANDARD:

(Explicit comment from the Prague State Research Institute for Protection of Materials)

## 1. REQUIREMENTS FOR SURFACE FINISH OF RADIATORS

### 1.1. General

The requirements concerning the surface finish of radiators are defined in German standard DIN 55 900 which bears the following title: "Surface finish of radiators. Terminology, requirements, tests. Surface finish made industrially."

The said standard relates to materials which are used for surface finish of radiators and it is binding for industrially made surface finish of radiators for hot water heating and low pressure steam heating (temperature of the heat-carrying medium up to 130 °C).

The object of the said standard is not surface finish of radiators operating with temperatures exceeding 130 °C or which are to be used in spaces with aggressive and/or humid environment air. Kitchens, bathrooms etc. and places outside the reach of water shower spraying and toilets are not considered to be spaces with aggressive and/or humid environment air.

The DIN 55 900 standard is divided into 2 parts: DIN 55 900-1 defines the base paint layer for radiators, DIN 55 900-2 defines the final surface finish of radiators. The said standard specifies requirements on paint coating materials applicable for surface finish, i.e. both their physical-mechanical properties (adhesion, impact resistance) and corrosion resistance (resistance against condensating water).

In general terms, the said standard also requires that radiators with final paint coating must be protected appropriately for and during: transportation, storage, and mounting, and it must be possible to clean the radiators surface with common detergents (non abrasive).

The said standard is the basis for definition and assessment of the surface finish quality and for compliance with all principles therein stipulated, all of which is binding both for manufacturers and users of radiators. Beyond the scope of the standard DIN 55 900 by the user may be the cause of extinction of the producer's guarantees.

## 2. QUALITATIVE DESCRIPTION OF TYPICAL ENVIRONMENTS

The qualitative description of typical environments with relevant grades of corrosivity is given in the table under the following title:

Qualitative description of typical environments for judgement of corrosivity grades:

The radiators with surface finish complying with the DIN 55

| Corrosivity grade | Corrosivity | Examples of typical interior environments                                                                                                                                                                                                      |
|-------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C-1               | Very low    | Heated spaces with relative low humidity (30 – 65 %) and with negligible uncleanliness, e.g. office premises, schools, museums, flats, hotels, shops, etc.                                                                                     |
| C-2               | Low         | Uninsufficiently heated spaces with changeable temperature and with relative humidity exceeding 70 %. Rare occurrence of condensation and minor uncleanliness, e.g. warehouses, corridors, gym halls, etc.                                     |
| C-3               | Average     | Spaces with average occurrence of condensation and with average uncleanliness caused by technological or other processes, e.g. food production premises, laundry plants, breweries, dairy houses, meat packing factories, etc.                 |
| C-4               | High        | Spaces with high occurrence of condensation and with average uncleanliness caused by technological or other processes, e.g. industrial manufacturing premises, swimming pools, bath houses, car-washing facilities, public WCs, stables, etc.. |
| C-5               | Very High   | Spaces with nearly constant occurrence of condensation and/or with high uncleanliness caused by technological processes, e.g. mining premises, underground technological spaces/rooms/halls, unaired shelters in tropical humid areas.         |

DIN 55 900 standard are applicable in spaces/premises with C 1 interior air environment without limitation for a long period of service.

However, pursuant to the DIN 55 900-2 standard, the radiators must not be placed in spaces with aggressive or humid environment air (C2 – C5). Any placement of such radiators in the lower defined spaces must be considered as critical.

## 3. POSSIBILITIES AND LIMITATIONS FOR USING STEEL RADIATORS WITH SURFACE FINISH COMPLYING WITH DIN 55 900 STANDARD:

### 3.1. Spaces with possible water spray or water solutions spray

In spaces/premises with the C 1 interior environment air, e.g. in flats, offices, schools and other public buildings, there are also some rooms (kitchens, bathrooms, toilets) wherein some places with corrosion activity of C 2 – C 5 can be found.

These are places within a direct reach of water spray or water solutions spray (e.g. places under kitchen sinks, under wash-basins, under showers, and some other places which are regularly sprayed with water). Such places are considered as spaces with humid or aggressive environment air and they are not suitable for placing radiators there even though the whole rooms in question (i.e. kitchens, bathrooms, toilets) are not considered to have aggressive or humid environment air.



# RADIK® SVÚOM PRAHA – INFORMATION

(I.E. STATE RESEARCH INSTITUTE FOR PROTECTION OF MATERIALS)

That is why the guaranty claims resulting from the title of corrosion or from a change of the surface appearance cannot be applied on those radiators which are placed within reach of water spray or within reach of aggressive solutions (C2 – C 5 spaces). In case it is necessary to place radiators within such a reach or in the middle of such an area, special protective measures must be applied (e.g. using zinc-coated or corrosion more resistant sheets, appropriate encasing etc.) which prevent corrosion damage of the surface finish of the radiators in question.

Radiators with surface finish complying with the DIN 55 900 standard can thus be installed in kitchens, bathrooms and toilets, provided they are located in the suitable place of the room.

## 3.2 Spaces which are unsufficiently air-ventilated

These are rooms (spaces with C 2 interior environment air and higher) with windows which are never opened or rooms without windows where no sufficient air exchange can be achieved and maintained. In such spaces, humidity from air can often condensate on turned-off and therefore cold radiators. This condensated humidity can damage the protective coating due to corrosion or blistering.

Regular air-ventilation of the heated rooms/premises is the necessary protection of the surface finish of radiators against humidity and condensated water. It is not recommended, as a kind of protection against condensated humidity, to turn off radiators which are placed in unsufficiently air-ventilated rooms.

Using radiators complying with the surface finish according to DIN 55 900 inside bathrooms, toilets and launderettes (without windows) is possible only if air-ventilation is maintained in accordance with DIN 18 017 standard, Part 1 and Part 3, wherein hour exchanges of air volumes are defined. Analogically, requirements re. temperature-humidity microclimate are given in ČSN EN ISO 7730 standard.

If no regular air-ventilation is possible, or if no permanent air exchange can be achieved, radiators must be in continuous operation so that cooling down of such surfaces is prevented where air humidity would condensate.

Users of such unaired and humid rooms (e.g bathrooms, launderettes) must respect this fact. Closed rooms with installed radiators must be heated or air-ventilated regularly. Requirements defining air-ventilation of flats or houses are given in the following table:

| Room                            | Air exchange rate                                                                           |
|---------------------------------|---------------------------------------------------------------------------------------------|
| Kitchen                         | 50 l/s – during operation<br>12 l/s – with permanent air-ventilation or with opened windows |
| Bathroom, toilet                | 25 l/s – when being used<br>10 l/s – with permanent air-ventilation or with opened windows  |
| Garage a) separate<br>b) shared | 50 l/s – separate<br>7,5 l/s car – shared                                                   |

## 3.3 Spaces with permanent increased humidity or aggressivity of environment air

This relates to critical rooms and premises (C2 – C 5), i.e. swimming pools, saunas, public toilets, car-washing facilities, laundry plants, battery recharging workshops, various premises in chemical and food processing industries, and rooms and spaces where wet cleaning is carried out by means of low or high pressure equipment etc. The radiators complying with DIN 55 900 are not suitable for application in such premises.

If the said radiators are still to be installed into such difficult conditions, it is necessary to consult the manufacturer for the best possible placement of the radiators and to set limitations for usage of these radiators with standard surface finish. Inside the above mentioned critical premises there are usually also places with the corrosion impact of grade C 1, such as offices, changing rooms, workshops, dining halls etc. wherein the radiators complying with DIN 55 900 can be applied without limitations.

## 4. STORING OF RADIATORS AND MOUNTING OF RADIATORS

The DIN 55 900 standard requires that radiators provided with the final surface coating must be appropriately protected for and during transportation and for storage and mounting and that it must be possible to clean the radiators surface with common detergents. The following advice is to be respected.

### 4.1 Transportation

During transportation but also during storage and final mounting of radiators, it is necessary to prevent any damage of the radiator coating and/or of all covering elements. No damage caused by rain or by any aggressive impurities may occur.

### 4.2 Storage

Radiators provided with final surface finish must be stored at the user's in dry and well air-ventilated spaces so that no corrosion damage of the radiators surface finish occurs.

### 4.3 Protection of the surface finish during mounting

Mounting of the radiators is to be carried out in such a manner that the protective wrapping is removed only after all building construction jobs (e.g. floor tiling, concrete works, wall painting/ decorating and cleaning) has been finished in order to prevent any damage of radiators, especially any damage of their surface finish. The radiators can be mounted and put into operation without removing the protective wrapping.

### 4.4 Cleaning

Radiators with final surface finish can be cleaned with such suitable water-borne detergents which are commonly used in households without any adverse impact on the painted surface. Such detergents must neither be abrasive (they would abrade the surface) nor strongly alkaline or acidic (i.e. chemically aggressive).



# RADIK® QUALITY AND SAFETY

## Quality of steel panel radiators RADIK

The high quality of radiators has been confirmed by acquiring the right to use the national quality marks for the European markets. This marks declares that the stipulated requirements on quality of material, technology, production process and tests of radiators RADIK are strictly followed.

The well-established quality management system according to ISO 9001:2008 in combination with the national quality marks guarantees the highest degree in achieving a permanent quality of products and all activities of KORADO company on European as well as world-wide markets.

### • Quality management system according to ISO 9001:2008



### • Quality mark for the English market

- it has been granted for the following product range of the steel panel radiators RADIK



| No. BSI              | Model                                    |                                            |
|----------------------|------------------------------------------|--------------------------------------------|
| licence<br>KM 51 646 | RADIK KLASIK, RADIK VK Type 10           |                                            |
|                      | RADIK KLASIK, RADIK VK Type 11           |                                            |
|                      | RADIK KLASIK, RADIK VK Type 20           |                                            |
|                      | RADIK KLASIK, RADIK VK Type 21           |                                            |
|                      | RADIK KLASIK, RADIK VK Type 22           |                                            |
|                      | RADIK KLASIK, RADIK VK Type 33           |                                            |
|                      | RADIK PLAN KLASIK, RADIK PLAN VK Type 11 |                                            |
|                      | RADIK PLAN KLASIK, RADIK PLAN VK Type 20 |                                            |
|                      | RADIK PLAN KLASIK, RADIK PLAN VK Type 21 |                                            |
|                      | RADIK PLAN KLASIK, RADIK PLAN VK Type 22 |                                            |
|                      | RADIK PLAN KLASIK, RADIK PLAN VK Type 33 |                                            |
|                      |                                          | Height 500, 600 mm<br>Length 400 - 2000 mm |

## Steel panel radiators RADIK

- safety and conformity with the European directives and standards

### • European standard EN 442 for radiators



- **The conformity mark CE** indicates that steel panel radiators RADIK are in conformity with the EU directive 89/106/EHS (government regulation No. 190/2002 Sb.) and that this conformity was approved by the notified body No.1015, Strojírenský zkušební ústav, s.p. Brno.





# RADIK® QUALITY AND SAFETY

## • Quality mark for the German market

it has been granted for the following product range of the steel panel radiators RADIK.



| Reg. No. GZ | Model            | Type     |
|-------------|------------------|----------|
| <b>0320</b> | RADIK HYGIENE    | Type 10  |
|             | RADIK HYGIENE VK | Type 10  |
| <b>0321</b> | RADIK HYGIENE    | Type 20S |
|             | RADIK HYGIENE VK | Type 20S |
| <b>0322</b> | RADIK HYGIENE    | Type 30  |
|             | RADIK HYGIENE VK | Type 30  |
| <b>0457</b> | RADIK COMBI VK   | Type 22  |
| <b>0458</b> | RADIK COMBI VK   | Type 33  |
| <b>0565</b> | RADIK VKM        | Type 10  |
| <b>0566</b> | RADIK KLASIK     | Type 11  |
|             | RADIK VK         | Type 11  |
|             | RADIK VKL        | Type 11  |
|             | RADIK VKM        | Type 11  |
|             | RADIK STANDARD   | Type 11  |
| <b>0567</b> | RADIK VKM        | Type 20  |
| <b>0568</b> | RADIK KLASIK     | Type 21  |
|             | RADIK VK         | Type 21  |
|             | RADIK VKU        | Type 21  |
|             | RADIK VKL        | Type 21  |
|             | RADIK VKM        | Type 21  |
|             | RADIK STANDARD   | Type 21  |
| <b>0569</b> | RADIK KLASIK     | Type 22  |
|             | RADIK VK         | Type 22  |
|             | RADIK VKU        | Type 22  |
|             | RADIK VKL        | Type 22  |
|             | RADIK VKM        | Type 22  |
|             | RADIK STANDARD   | Type 22  |
| <b>0570</b> | RADIK KLASIK     | Type 33  |
|             | RADIK VK         | Type 33  |
|             | RADIK VKU        | Type 33  |
|             | RADIK VKL        | Type 33  |
|             | RADIK VKM        | Type 33  |
|             | RADIK STANDARD   | Type 33  |
| <b>0571</b> | RADIK KLASIK     | Type 10  |
|             | RADIK VK         | Type 10  |
|             | RADIK VKL        | Type 10  |
|             | RADIK CLEAN      | Type 10  |
|             | RADIK CLEAN VK   | Type 10  |
|             | RADIK STANDARD   | Type 10  |
| <b>0572</b> | RADIK KLASIK     | Type 20  |
|             | RADIK VK         | Type 20  |
|             | RADIK VKU        | Type 20  |
|             | RADIK VKL        | Type 20  |

| Reg. No. GZ | Model             | Type     |
|-------------|-------------------|----------|
| <b>0573</b> | RADIK CLEAN       | Type 20S |
|             | RADIK CLEAN VK    | Type 20S |
|             | RADIK STANDARD    | Type 20  |
| <b>0574</b> | RADIK CLEAN       | Type 30  |
|             | RADIK CLEAN VK    | Type 30  |
|             | RADIK STANDARD    | Type 30  |
| <b>0577</b> | RADIK PLAN KLASIK | Type 10  |
|             | RADIK PLAN VK     | Type 10  |
|             | RADIK PLAN VKL    | Type 10  |
| <b>0578</b> | RADIK PLAN KLASIK | Type 11  |
|             | RADIK PLAN VK     | Type 11  |
|             | RADIK PLAN VKL    | Type 11  |
| <b>0579</b> | RADIK PLAN KLASIK | Type 20  |
|             | RADIK PLAN VK     | Type 20  |
|             | RADIK PLAN VKL    | Type 20  |
| <b>0580</b> | RADIK PLAN KLASIK | Type 21  |
|             | RADIK PLAN VK     | Type 21  |
|             | RADIK PLAN VKL    | Type 21  |
| <b>0581</b> | RADIK PLAN KLASIK | Type 22  |
|             | RADIK PLAN VK     | Type 22  |
|             | RADIK PLAN VKL    | Type 22  |
| <b>0582</b> | RADIK PLAN KLASIK | Type 33  |
|             | RADIK PLAN VK     | Type 33  |
|             | RADIK PLAN VKL    | Type 33  |
|             | RADIK PLAN VKM    | Type 33  |
| <b>0583</b> | RADIK PLAN VKM    | Type 11  |
| <b>0584</b> | RADIK PLAN VKM    | Type 20  |
| <b>0585</b> | RADIK PLAN VKM    | Type 21  |
| <b>0586</b> | RADIK PLAN VKM    | Type 22  |
| <b>0617</b> | RADIK MM          | Type 10  |
| <b>0618</b> | RADIK MM          | Type 11  |
| <b>0619</b> | RADIK MM          | Type 20  |
| <b>0620</b> | RADIK MM          | Type 21  |
| <b>0621</b> | RADIK MM          | Type 22  |
| <b>0622</b> | RADIK MM          | Type 33  |



# RADIK® DATA FOR PLACING ORDERS

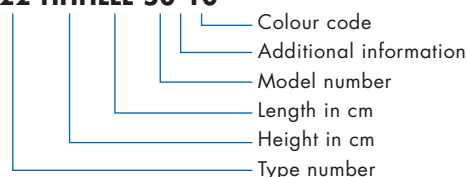
| Steel panel radiators | Version        | Model                   | Type         | Code for ordering |
|-----------------------|----------------|-------------------------|--------------|-------------------|
| RADIK                 | KLASIK         | RADIK KLASIK            | 10           | 10-HHHLLL-50-10   |
|                       |                |                         | 11           | 11-HHHLLL-50-10   |
|                       |                |                         | 20           | 20-HHHLLL-50-10   |
|                       |                |                         | 21           | 21-HHHLLL-50-10   |
|                       |                |                         | 22           | 22-HHHLLL-50-10   |
|                       |                |                         | 33           | 33-HHHLLL-50-10   |
|                       |                | RADIK KLASIK - R        | 20 R         | 20-HHHLLL-R0-10   |
|                       |                |                         | 21 R         | 21-HHHLLL-R0-10   |
|                       |                |                         | 22 R         | 22-HHHLLL-R0-10   |
|                       |                | RADIK KLASIK - Z        | 33 R         | 33-HHHLLL-R0-10   |
|                       |                |                         | 10           | 10-HHHLLL-50Z10   |
|                       |                |                         | 11           | 11-HHHLLL-50Z10   |
|                       |                |                         | 20           | 20-HHHLLL-50Z10   |
|                       |                |                         | 21           | 21-HHHLLL-50Z10   |
|                       |                |                         | 22           | 22-HHHLLL-50Z10   |
|                       |                |                         | 33           | 33-HHHLLL-50Z10   |
|                       | VENTIL KOMPAKT | RADIK VK                | 10 VK        | 10-HHHLLL-60-10   |
|                       |                |                         | 11 VK        | 11-HHHLLL-60-10   |
|                       |                |                         | 20 VK        | 20-HHHLLL-60-10   |
|                       |                |                         | 21 VK        | 21-HHHLLL-60-10   |
|                       |                |                         | 22 VK        | 22-HHHLLL-60-10   |
|                       |                |                         | 33 VK        | 33-HHHLLL-60-10   |
|                       |                | RADIK VK - Z            | 10 VK        | 10-HHHLLL-60Z10   |
|                       |                |                         | 11 VK        | 11-HHHLLL-60Z10   |
|                       |                |                         | 20 VK        | 20-HHHLLL-60Z10   |
|                       |                |                         | 21 VK        | 21-HHHLLL-60Z10   |
|                       |                |                         | 22 VK        | 22-HHHLLL-60Z10   |
|                       |                |                         | 33 VK        | 33-HHHLLL-60Z10   |
|                       |                | RADIK VKU               | 20 VKU       | 20-HHHLLL-C0-10   |
|                       |                |                         | 21 VKU       | 21-HHHLLL-C0-10   |
|                       |                |                         | 22 VKU       | 22-HHHLLL-C0-10   |
|                       |                |                         | 33 VKU       | 33-HHHLLL-C0-10   |
|                       |                | RADIK VKL               | 10 VKL       | 10-HHHLLL-E0-10   |
|                       |                |                         | 11 VKL       | 11-HHHLLL-E0-10   |
|                       |                |                         | 20 VKL       | 20-HHHLLL-E0-10   |
|                       |                |                         | 21 VKL       | 21-HHHLLL-E0-10   |
|                       |                |                         | 22 VKL       | 22-HHHLLL-E0-10   |
|                       |                |                         | 33 VKL       | 33-HHHLLL-E0-10   |
|                       |                | RADIK VKM               | 10 VKM       | 10-HHHLLL-G0-10   |
|                       |                |                         | 11 VKM       | 11-HHHLLL-G0-10   |
|                       |                |                         | 20 VKM       | 20-HHHLLL-G0-10   |
|                       |                |                         | 21 VKM       | 21-HHHLLL-G0-10   |
|                       |                |                         | 22 VKM       | 22-HHHLLL-G0-10   |
|                       |                |                         | 33 VKM       | 33-HHHLLL-G0-10   |
|                       |                | RADIK COMBI VK          | 22 COMBI VK  | 22-HHHLLL-N0-10   |
|                       | PLAN           | RADIK PLAN KLASIK       | 10 PLAN      | 10-HHHLLL-80-10   |
|                       |                |                         | 11 PLAN      | 11-HHHLLL-80-10   |
|                       |                |                         | 20 PLAN      | 20-HHHLLL-80-10   |
|                       |                |                         | 21 PLAN      | 21-HHHLLL-80-10   |
|                       |                |                         | 22 PLAN      | 22-HHHLLL-80-10   |
|                       |                |                         | 33 PLAN      | 33-HHHLLL-80-10   |
|                       |                | RADIK PLAN VK           | 10 PLAN VK   | 10-HHHLLL-70-10   |
|                       |                |                         | 11 PLAN VK   | 11-HHHLLL-70-10   |
|                       |                |                         | 20 PLAN VK   | 20-HHHLLL-70-10   |
|                       |                |                         | 21 PLAN VK   | 21-HHHLLL-70-10   |
|                       |                |                         | 22 PLAN VK   | 22-HHHLLL-70-10   |
|                       |                |                         | 33 PLAN VK   | 33-HHHLLL-70-10   |
|                       |                | RADIK PLAN VKL          | 10 PLAN VKL  | 10-HHHLLL-10-10   |
|                       |                |                         | 11 PLAN VKL  | 11-HHHLLL-10-10   |
|                       |                |                         | 20 PLAN VKL  | 20-HHHLLL-10-10   |
|                       |                |                         | 21 PLAN VKL  | 21-HHHLLL-10-10   |
|                       |                |                         | 22 PLAN VKL  | 22-HHHLLL-10-10   |
|                       |                |                         | 33 PLAN VKL  | 33-HHHLLL-10-10   |
|                       |                | RADIK PLAN VKM          | 10 PLAN VKM  | 10-HHHLLL-H0-10   |
|                       |                |                         | 11 PLAN VKM  | 11-HHHLLL-H0-10   |
|                       |                |                         | 20 PLAN VKM  | 20-HHHLLL-H0-10   |
|                       |                |                         | 21 PLAN VKM  | 21-HHHLLL-H0-10   |
|                       |                |                         | 22 PLAN VKM  | 22-HHHLLL-H0-10   |
|                       |                |                         | 33 PLAN VKM  | 33-HHHLLL-H0-10   |
|                       | VERTIKAL       | RADIK PLAN VERTIKAL - M | 10           | 10-HHHLLL-V0-10   |
|                       |                | RADIK LINE VERTIKAL - M | 20           | 20-HHHLLL-V0-10   |
|                       | MM             | RADIK MM                | 10           | 10-HHHLLL-U0-10   |
|                       |                |                         | 20           | 20-HHHLLL-U0-10   |
|                       |                |                         | 10 MM        | 10-HHHLLL-M0-10   |
|                       |                |                         | 11 MM        | 11-HHHLLL-M0-10   |
|                       |                |                         | 20 MM        | 20-HHHLLL-M0-10   |
|                       | HYGIENE        | RADIK HYGIENE           | 21 MM        | 21-HHHLLL-M0-10   |
|                       |                |                         | 22 MM        | 22-HHHLLL-M0-10   |
|                       |                |                         | 33 MM        | 33-HHHLLL-M0-10   |
|                       |                | RADIK HYGIENE VK        | 10           | 10-HHHLLL-K0-10   |
|                       |                |                         | 205          | 20-HHHLLL-K0-10   |
|                       |                |                         | 30           | 30-HHHLLL-K0-10   |
|                       |                | RADIK CLEAN             | 10 VK        | 10-HHHLLL-P0-10   |
|                       |                |                         | 205 VK       | 20-HHHLLL-P0-10   |
|                       |                |                         | 30 VK        | 30-HHHLLL-P0-10   |
|                       |                | RADIK CLEAN             | 10 CLEAN     | 10-HHHLLL-50-10   |
|                       |                |                         | 205 CLEAN    | 20-HHHLLL-A0-10   |
|                       |                |                         | 30 CLEAN     | 30-HHHLLL-A0-10   |
|                       |                | RADIK CLEAN VK          | 10 CLEAN VK  | 10-HHHLLL-60-10   |
|                       |                |                         | 205 CLEAN VK | 20-HHHLLL-80-10   |
|                       |                |                         | 30 CLEAN VK  | 30-HHHLLL-80-10   |



## RADIK® ORDER CODE

### Table for creation of a code

**22-HHHLLL-50-10**



### Example for creation of a code

**RADIK VK** steel panel radiator.

type 22, height H = 500 mm, length L = 1800 mm, Colour White RAL 9016

Correct code: 22-HHHLLL-60-10  
22-050180-60-10

## RADIK® SERVICES

### Services for business partners and customers

An expert for every situation – that is one of the basic ideas of the philosophy of the company KORADO with regard to service. The company KORADO pays great attention to communication with its partners on the market. It offers designers, merchants, and installers of heating systems broad support and complete technical documentation and information for daily work. The goal is clear and comprehensible – to create conditions allowing individual professional groups to design, sell, and fit RADIK, KORALUX and KORATHERM radiators so that the final customer can take advantage of their features to a full extent. To fulfill this philosophy, the company KORADO offers:

- technical catalogues for RADIK steel panel radiators, KORALUX towel rail radiators, KORATHERM flat panel radiators, KORAMONT fitting technology catalogue
- price lists for RADIK steel panel radiators, KORALUX towel rail radiators, KORATHERM flat panel radiators
- range of prospectuses and information leaflets for individual models of radiators, supplements and accessories
- Internet web page <http://www.korado.com>
- e-mail [info@korado.cz](mailto:info@korado.cz)
- professional lectures at the company training center
- Image CD with details about the products and the company
- professional consulting at specialized exhibitions in the Czech Republic and abroad
- The up-to-date offer is available and regularly updated on the Internet and on the Image CD.



# RADIK® COLOUR CARD

## COMFORT LINE



**code 50**  
White RAL 9010



**code 14**  
Jasmine



**code 26**  
Pergamon



**code 16**  
Bahama



**code 22**  
Manhattan



**code 20**  
Ägäis



**code 28**  
Sugar Blue



**code 33**  
Vanilla



**code 36**  
Yellow RAL 1018



**code 37**  
Red RAL 3001



**code 38**  
Blue RAL 5015

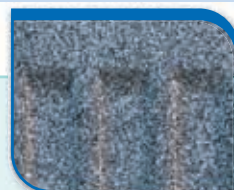


**code 39**  
Black RAL 9005

## DESIGN LINE



**code 29\***  
Antico Sandstone



**code 30\***  
Antico Granit



**code 41**  
Alloy Green



**code 40**  
Alloy Black



**code 43**  
Pearl Silver



**code 44**  
Pearl Gold



**code 45**  
Pearl Brown



**code 46**  
Pearl Green

## STANDARD



**code 10**  
White RAL 9016



**code 35**  
Silber



**code 42**  
Gold



**code 32**  
Anthrazit Metallic

### Notice:

The colour of the radiator may vary in comparison with the colour shown in the RADIK colour card.

\*Irregular pigment of Colours coded 29 and 30 is their natural feature.

The standard paint finish is white RAL 9016, other colours are available at an extra charge.

**Surcharge: RADIK 30%.**

GUARANTEE



KORADO®



CE mark used  
from the year 2005



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