KORADO®

KORALUX®

... heat for you

Towel rail radiators

NEW PRODUCT RANGE

02/2011

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^2 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.

The KORALUX 02/2011 catalogue replaces all previous issues.

KORALUX® NEW RANGES, NEW PRODUCTS, COMPETITIVE PRICES

KORADO is launching a new collection of towel rail radiators. Thanks to new production technologies, KORALUX radiators are now more accessible to even a larger group of customers. There are three brand new product lines which comprehensively cover the demands of all target groups. The advantages and characteristics of the new product lines are tailored to meet the requirements of our customers on the basis of long-term experience. The names of the product lines – COMFORT, CLASSIC and STANDARD – suggest the advantages of each of them.

KORALUX COMFORT

Premium towel rail radiators KORALUX COMFORT are designed to provide the maximum heat output which is guaranteed by their unique design. The premium models offered in this range meet the requirements of even the most demanding customers.

Products are offered in two versions, with straight or curved tubes, both with side or modern middle connection. For a convenient use the radiators can be fitted with an electric heating element.

KORALUX® NEW RANGES, NEW PRODUCTS, COMPETITIVE PRICES

KORALUX CLASSIC

The most popular towel rail radiators, especially thanks to their competitive price and sufficient heat output. They represent an ideal combination of price, heat output and quality.

Again you can choose between two versions, straight or curved tubes, with side or middle connection.

KORALUX STANDARD

You will find the smallest towel rail radiators on the market in this range. With a width of 400 mm, they are ideal for use in small bathrooms or as an alternative heat source suitable for combination with another type of heating, for example, under-floor heating.

You will appreciate the presence of this radiator in your bathroom, toilet and other small areas.

KORALUX® NEW RANGES, NEW PRODUCTS, COMPETITIVE PRICES

Variability of KORALUX

All KORALUX towel rail radiators are tailored to suit the requirements and demands of our customers. We place an emphasis on their design, wide range of uses and connection to the existing heating systems in buildings in traditional as well as modern style.

Other possibilities include combination with an electric heating element or using these models as direct-heating radiators.

The range of colours enables you to fit in these radiators into any interior.

KORALUX® NEW RANGES, NEW PRODUCTS, COMPETITIVE PRICES

KORADO Accessories

Drying your towels will be a pleasant side effect of heating and an additional function of your radiators. Thanks to the accessories offered, KORADO towel rail radiators can be used for efficient drying or storage of textiles such as towels or cloths without damaging the textiles or the radiator itself.

This is why the KORADO offer now includes towel hangers and pegs which extend the practical use of KORALUX towel rail radiators. Clear and simple fitting allows for their use on new as well as old radiators.

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ADVANTAGES OF KORADO® RADIATORS

• made to last •
• excellent finish •
• low water content •
• high resistance to excess pressure •
• low weight •
• multifunction packaging •
• ISO 9001:2008 guarantee of quality of products and services •

KORALUX® GENERAL INFORMATION

Description and Design

Towel rail radiators supplied under the trade name KORALUX, are manufactured from closed steel profiles of various diameters and shapes.

Overview of models

KORALUX

- version COMFORT
  - KORALUX LINEAR COMFORT
  - KORALUX LINEAR COMFORT - M
  - KORALUX RONDO COMFORT
  - KORALUX RONDO COMFORT - M
- version CLASSIC
  - KORALUX LINEAR CLASSIC
  - KORALUX LINEAR CLASSIC - M
  - KORALUX RONDO CLASSIC
  - KORALUX RONDO CLASSIC - M
- version STANDARD
  - KORALUX STANDARD

High Quality Finish

The technology used guarantees long-term corrosion resistance, mechanical durability, extremely good finish and also a hygienic radiator surface. Maximum effort is made to protect the environment.

The 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 cataphoretic method (KTL) and drying in an oven. This phase of treatment is of decisive importance for the long life span of the radiator.
3) Putting on the final layer of paint – epoxy-polyester powder is used. After it is oven dried and then cooled, the process of surface finishing is complete.

The basic colour is white RAL 9016. On special order you can get radiators in other colours selected from our colour card.

Basic Equipment

The distributing and collector profiles are equipped with outlets with G-threads. Included with every towel rail radiator are a blanking plug and air vent and a set of fittings for fixing the radiator to the wall.

Use

KORALUX towel rail radiators are primarily intended for heating bathrooms, water closets, kitchens, living spaces, offices, entrances and hallways of residential and public buildings. Their modern design allows them to blend in with most interiors and the choice of colours meets the requirements for good colour combinations. Their design and the available accessories also allow for multipurpose use. For example, they can be used for drying towels, textiles, garments and similar items.

Thanks to their design they can be used in heating systems which are gravity - or pressure - fed.

The following main water quality attributes must be adhered to: pH range 8.5-9.5 (this applies for systems which do not contain aluminium), overall water hardness (content of Ca + Mg ions) up to 1mmol/l, salinity within the range 300-500 μS/cm and oxygen content max. 0.1 mg/l.

Guarantees and Quality

The manufacturer guarantees that the product is leak proof and guarantees stated heat output of KORALUX towel rail radiators connected to the hot-water systems for 5 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.

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 target 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.

Heat Output

The stated heat outputs are determined in accordance with EN 442 in a notified laboratory.

The conformity with valid European standards was approved by Strojirensky zkusebni ustav, s.p. (Engineering Test Institute), Notified Body 1015, Hudcova 56b, 621 00 Brno, Czech Republic.

KORALUX® GENERAL INFORMATION

Electric Direct-Heating

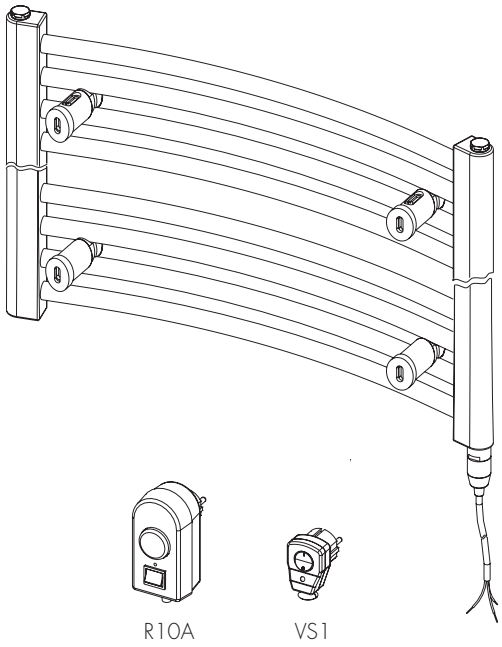
KORALUX towel rail radiators can be produced as independent direct-heating electric radiators. The radiators are fitted with an electric heater equipped with a temperature limiter and are filled with antifreeze. This enables their use in buildings where the temperature can be expected to drop to -10 °C.

The electric heater is connected to the main distribution frame by cable connected to the wiring box or the socket, if fitted with additional equipment the required comfort and economy levels are dependent on the following:

- the VS1 plug with manual control (order code Z-SKV-0002)
- the R10A electric temperature regulator (order code Z-SKV-0003)

The KORALUX direct-heating electric radiators can only be positioned vertically during installation and do not require either assembly or a safety pressure device for their operation.

KORALUX models are produced in the following versions:
KORALUX LINEAR COMFORT - E
KORALUX RONDO COMFORT - E
KORALUX LINEAR CLASSIC - E
KORALUX RONDO CLASSIC - E



Technical Data	KORALUX - E direct-heating electric radiator
Rated voltage	230 V / 50 Hz
Output range	200 ÷ 700 W
Temperature limiter	max. 90 °C
Protection	IP 44
Appliance class	I
Cable length	1,5 m
Working position	Vertical model with the electric power supply at the bottom

For basic Technical Data relating to the accessories of the KORALUX - E direct-heating electric radiators, see page 26.

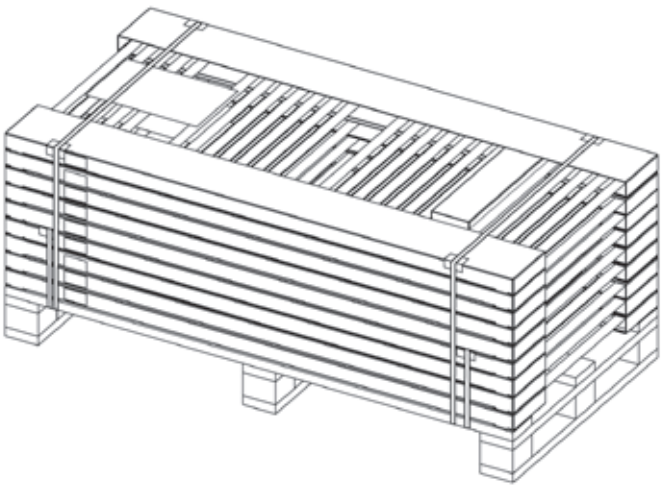
Packaging

KORALUX towel rail radiators are packaged in a carton and in a polyethylene shrinking foil. For assembly we recommend removing the packaging only in places where it is necessary, and not to remove the rest before the building work is completed. In this way the surface of the radiator is protected against dirt and damage.

Transport and storage

The radiators are stored on pallets according to the manufacturer's internal guidelines. Placing the pallets into layers is possible only in accordance with those guidelines. Pallets with radiators should only be transported in covered transport and stored in a dry sheltered place.

Packaging – Palletizing



KORALUX radiators

KORALUX® LINEAR COMFORT, LINEAR COMFORT - M

Technical Data

Height H	700, 900, 1220, 1500, 1820 mm
Length L	450, 600, 750 mm
Depth B	35 mm
Connecting pitch (KLT)	**h = L - 30 mm**
Connecting pitch (KLTM)	50 mm
Connecting thread (KLT)	4 x G 1/2 (inside)
Connecting thread (KLTM)	6 x G 1/2 (inside)
Highest allowed working pressure	10 bar
Test pressure	13 bar
Maximum water temperature	110 °C
Flow coefficient (KLT)	A_T = 2,1 x 10^{-4} m^2
Flow coefficient (KLTM)	A_T = 9,3 x 10^{-5} m^2
Coefficient of resistance (DN 15) (KLT)	ξ_T = 1,8
Coefficient of resistance (DN 15) (KLTM)	ξ_T = 9,3

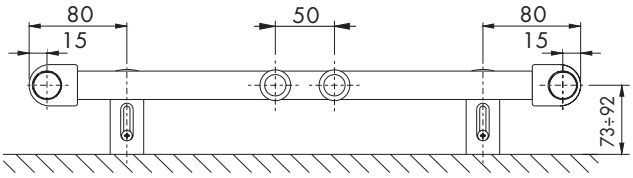
Design

KORALUX LINEAR COMFORT (KLT) is a towel rail radiator with **bottom connection from the bottom down** with connecting pitch **h** derived from its length **L**. The design of the radiator also allows for **double sided connection from the top down**.

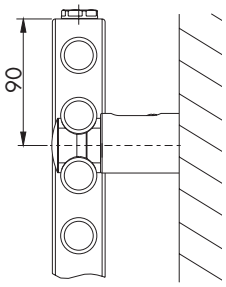
KORALUX LINEAR COMFORT - M (KLTM) is a towel rail radiator modified for **bottom middle connection** with a connecting pitch of 50 mm.

Steel tubes	∅ 24 mm
Steel profile	41 x 35 mm

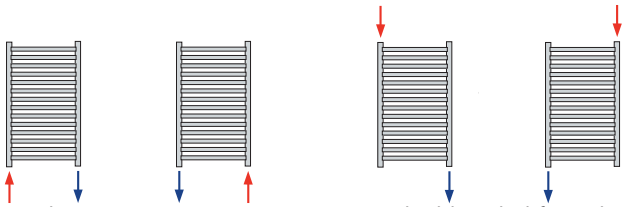
Fitting



The mounting set is delivered as standard and consists of 4 special plastic brackets, screws, dowels and assembly instructions.



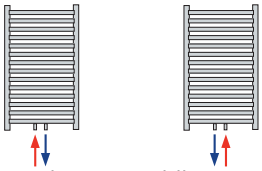
Type of Connection - KORALUX LINEAR COMFORT



bottom connection

double-sided from the top down

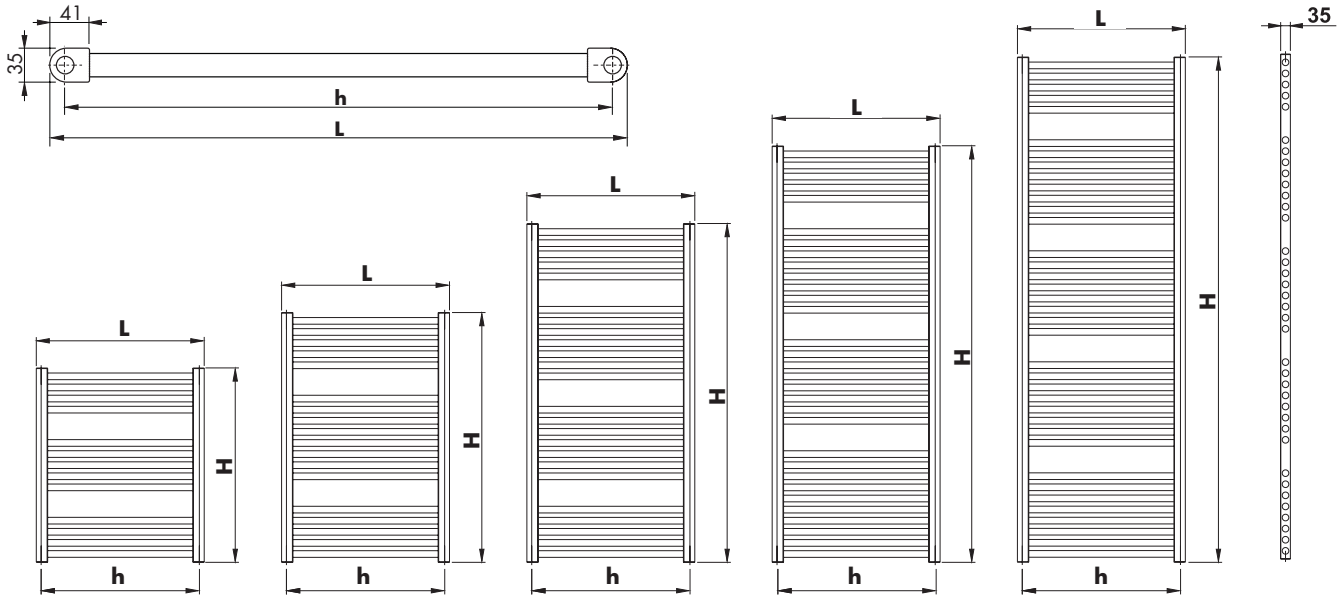
Type of Connection - KORALUX LINEAR COMFORT - M



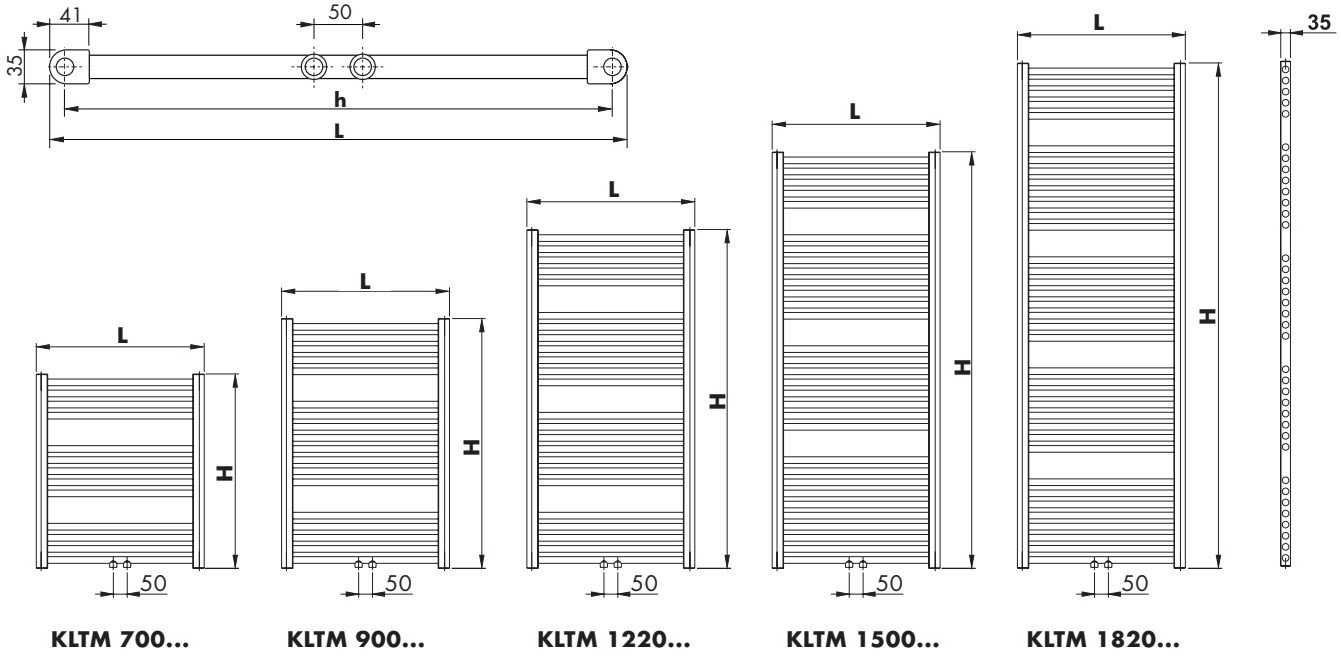
bottom middle*

*For radiators with the bottom middle connection you can use the integrated connection fittings HM delivered together with a thermostatic head (see page 27).

KORALUX® LINEAR COMFORT



KORALUX® LINEAR COMFORT - M



KORALUX® LINEAR COMFORT - E electric radiators

Model number	Electric input P [W]	M_c [kg]
KLTE 700.600	200	10,4
KLTE 700.750	200	12,2
KLTE 900.450	200	11,5
KLTE 900.600	300	13,9
KLTE 900.750	300	16,4
KLTE 1220.450	300	15,2
KLTE 1220.600	400	18,6

Model number	Electric input P [W]	M_c [kg]
KLTE 1220.750	500	21,9
KLTE 1500.450	400	19,2
KLTE 1500.600	500	23,5
KLTE 1500.750	600	27,9
KLTE 1820.450	400	22,9
KLTE 1820.600	600	28,2
KLTE 1820.750	700	33,4

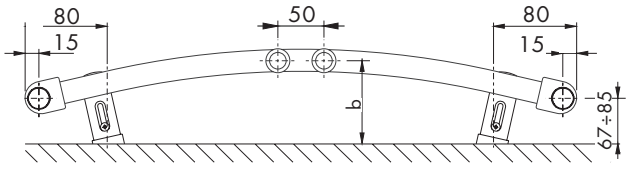
M_c = total weight of the radiator including electric heating element and filler

KORALUX® RONDO COMFORT, RONDO COMFORT - M

Technical Data

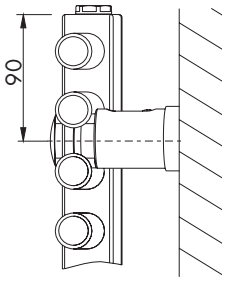
Height H	700, 900, 1220, 1500, 1820 mm
Length L	445, 595, 745 mm
Depth B	61, 68, 71 mm
Connecting pitch (KRT)	**h = L - 30 mm**
Connecting pitch (KRTM)	50 mm
Connecting thread (KRT)	4 x G 1/2 (inside)
Connecting thread (KRTM)	6 x G 1/2 (inside)
Highest allowed working pressure	10 bar
Test pressure	13 bar
Maximum water temperature	110 °C
Flow coefficient (KRT)	A_T = 2,1 x 10^{-4} m^2
Flow coefficient (KRTM)	A_T = 9,3 x 10^{-5} m^2
Coefficient of resistance (DN 15) (KRT)	ξ_T = 1,8
Coefficient of resistance (DN 15) (KRTM)	ξ_T = 9,3

Fitting



L [mm]	445	595	745
b [mm]	98 ÷ 116	105 ÷ 123	108 ÷ 126

The mounting set is delivered as standard and consists of 4 special plastic brackets, screws, dowels and assembly instructions.



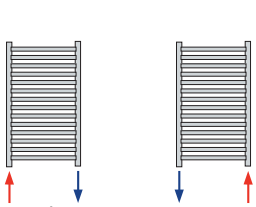
Design

KORALUX RONDO COMFORT (KRT) is a towel rail radiator with **bottom connection from the bottom down** with connecting pitch **h** derived from its length **L**. The design of the radiator also allows for **double sided connection from the top down**.

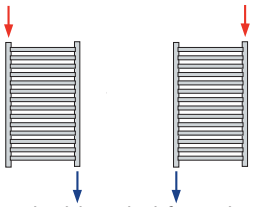
KORALUX RONDO COMFORT - M (KRTM) is a towel rail radiator modified for **bottom middle connection** with a connecting pitch of 50 mm.

Steel tubes ∅ 24 mm
Steel profile 41 x 35 mm

Type of Connection - KORALUX RONDO COMFORT

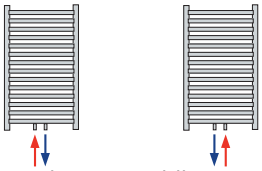


bottom connection



double-sided from the top down

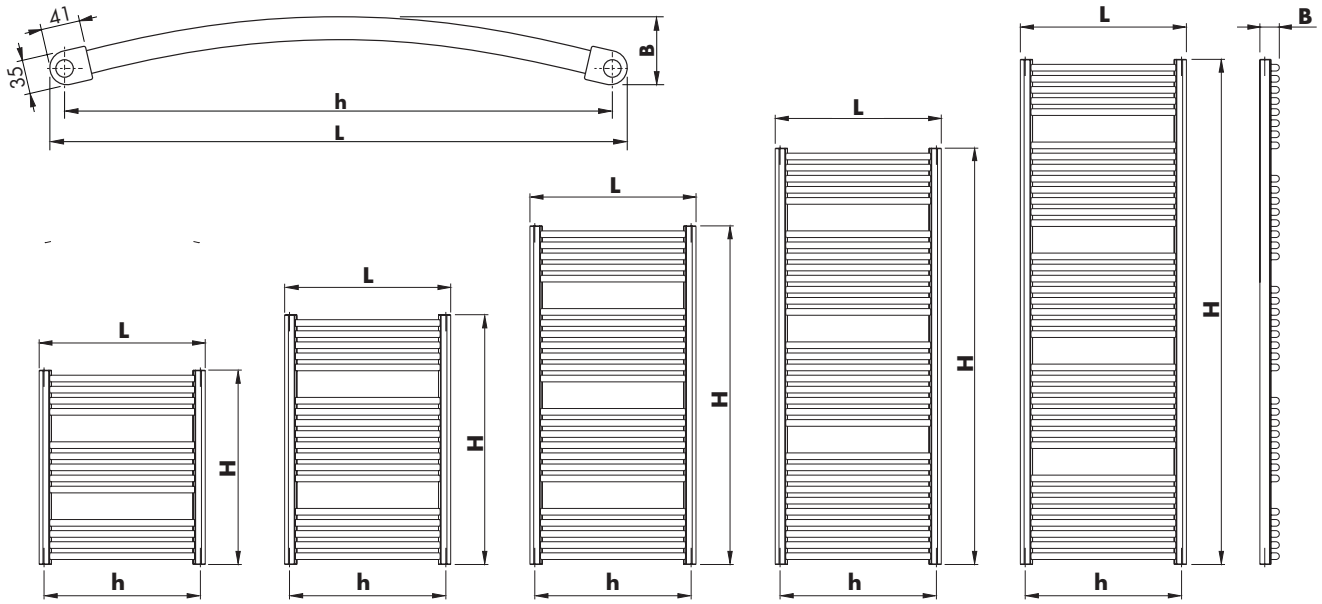
Type of Connection - KORALUX RONDO COMFORT - M



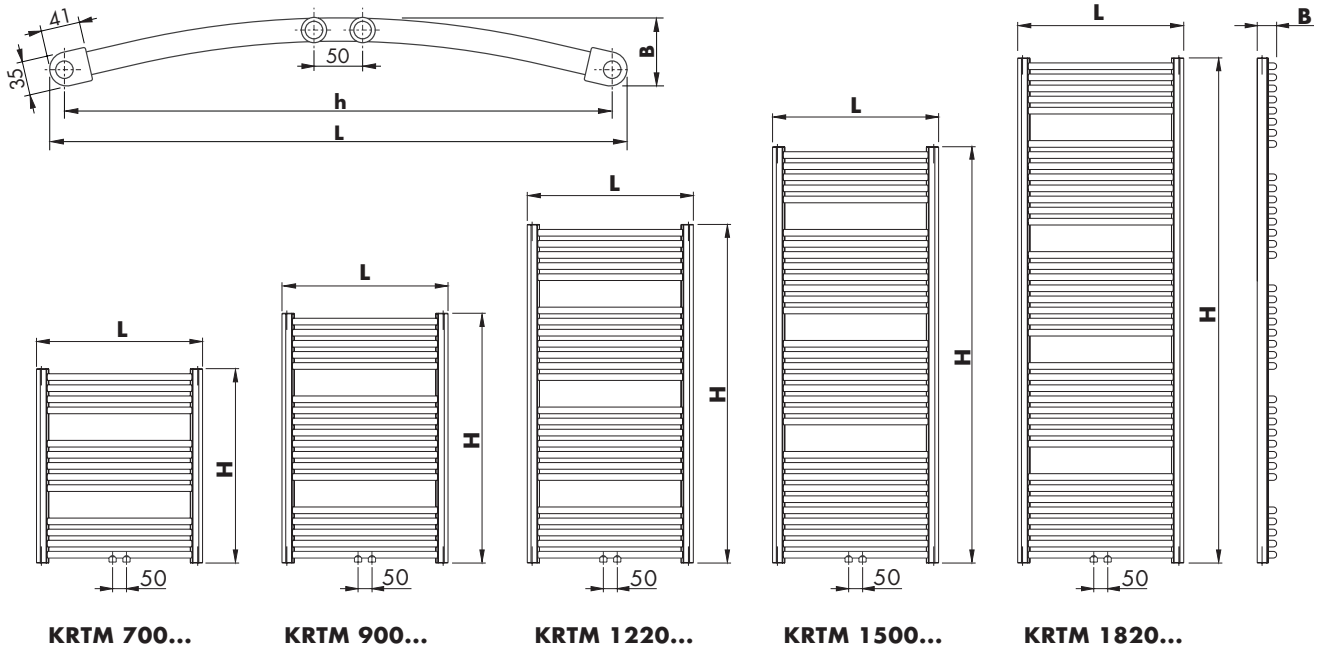
bottom middle*

*For radiators with the bottom middle connection you can use the integrated connection fittings HM delivered together with a thermostatic head (see page 27).

KORALUX® RONDO COMFORT



KORALUX® RONDO COMFORT - M



KORALUX® RONDO COMFORT - € electric radiators

Model number	Electric input P [W]	M_c [kg]	Model number	Electric input P [W]	M_c [kg]
KRTE 700.600	200	10,4	**KRTE 1220.750**	500	21,9
KRTE 700.750	200	12,2	**KRTE 1500.450**	400	19,2
KRTE 900.450	200	11,5	**KRTE 1500.600**	500	23,5
KRTE 900.600	300	14,0	**KRTE 1500.750**	600	27,9
KRTE 900.750	300	16,4	**KRTE 1820.450**	400	22,9
KRTE 1220.450	300	15,2	**KRTE 1820.600**	600	28,2
KRTE 1220.600	400	18,6	**KRTE 1820.750**	700	33,4

M_c = total weight of the radiator including electric heating element and filler

KORALUX® LINEAR COMFORT, LINEAR COMFORT - M
KORALUX® RONDO COMFORT, RONDO COMFORT - M

HEAT OUTPUT
IN WATTS CERTIFIED TO EN 442

BASIC
TECHNICAL PARAMETERS

Model number	H [mm]	L [mm]	h [mm]	t_1/t_2 [°C]	Q [W] for t_i[°C] 15	18	20	22	24	Nominal heat output Q_N [W] (75/65/20°C)	Tempera-ture exponent n [-]	Radiator weight M_T [kg]	Water volume V_T [l]	Max. heat output E-elemen P [W]*
KLT (KLTM) 700.450 **KRT (KRTM) 700.450**	700	450 445	420 (50) 415 (50)	90/70 70/55 55/45	396 268 183	373 246 164	357 232 151	342 219 138	327 205 126	287	1.2452	5,0	3,4	-
KLT (KLTM) 700.600 **KRT (KRTM) 700.600**	700	600 595	570 (50) 565 (50)	90/70 70/55 55/45	509 345 237	479 318 212	460 300 195	441 282 179	422 265 163	370	1.2358	6,1	4,1	200
KLT (KLTM) 700.750 **KRT (KRTM) 700.750**	700	750 745	720 (50) 715 (50)	90/70 70/55 55/45	617 420 289	582 387 259	559 365 239	535 344 219	512 323 200	450	1.2263	7,2	4,8	200
KLT (KLTM) 900.450 **KRT (KRTM) 900.450**	900	450 445	420 (50) 415 (50)	90/70 70/55 55/45	508 344 236	479 317 211	459 299 194	440 281 178	421 263 162	369	1.2434	6,6	4,5	200
KLT (KLTM) 900.600 **KRT (KRTM) 900.600**	900	600 595	570 (50) 565 (50)	90/70 70/55 55/45	654 443 304	616 408 272	591 385 250	566 362 230	542 340 209	475	1.2384	8,2	5,5	300
KLT (KLTM) 900.750 **KRT (KRTM) 900.750**	900	750 745	720 (50) 715 (50)	90/70 70/55 55/45	796 540 371	750 498 332	720 470 306	690 442 281	660 415 256	579	1.2334	9,7	6,6	300
KLT (KLTM) 1220.450 **KRT (KRTM) 1220.450**	1220	450 445	420 (50) 415 (50)	90/70 70/55 55/45	696 470 321	656 432 286	629 407 263	602 383 241	576 359 219	504	1.2549	8,9	6,1	300
KLT (KLTM) 1220.600 **KRT (KRTM) 1220.600**	1220	600 595	570 (50) 565 (50)	90/70 70/55 55/45	897 606 414	845 558 370	810 526 341	776 494 312	742 463 284	650	1.2499	10,9	7,4	400
KLT (KLTM) 1220.750 **KRT (KRTM) 1220.750**	1220	750 745	720 (50) 715 (50)	90/70 70/55 55/45	1090 737 505	1027 679 451	985 640 416	944 602 381	902 565 346	791	1.2448	13,0	8,8	500
KLT (KLTM) 1500.450 **KRT (KRTM) 1500.450**	1500	450 445	420 (50) 415 (50)	90/70 70/55 55/45	866 583 398	815 536 355	782 506 326	748 475 299	715 445 272	626	1.2598	11,2	7,7	400
KLT (KLTM) 1500.600 **KRT (KRTM) 1500.600**	1500	600 595	570 (50) 565 (50)	90/70 70/55 55/45	1117 753 514	1051 693 459	1008 653 422	965 614 387	923 575 352	808	1.2548	13,8	9,4	500
KLT (KLTM) 1500.750 **KRT (KRTM) 1500.750**	1500	750 745	720 (50) 715 (50)	90/70 70/55 55/45	1358 917 627	1279 844 560	1227 796 516	1175 748 472	1123 701 430	984	1.2497	16,5	11,2	600
KLT (KLTM) 1820.450 **KRT (KRTM) 1820.450**	1820	450 445	420 (50) 415 (50)	90/70 70/55 55/45	1069 719 490	1006 661 437	965 623 402	923 585 368	883 548 334	772	1.2634	13,4	9,2	400
KLT (KLTM) 1820.600 **KRT (KRTM) 1820.600**	1820	600 595	570 (50) 565 (50)	90/70 70/55 55/45	1378 928 633	1297 853 564	1244 804 519	1191 756 475	1138 708 432	996	1.2594	16,6	11,3	600
KLT (KLTM) 1820.750 **KRT (KRTM) 1820.750**	1820	750 745	720 (50) 715 (50)	90/70 70/55 55/45	1676 1130 772	1578 1040 688	1513 980 634	1449 921 580	1385 863 528	1213	1.2553	19,8	13,4	700

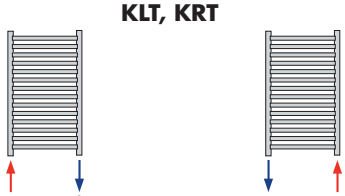
* Stated maximum output values of the electric heating element apply for combined heating (see page 26)

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

K_T	a	b	c_0	c_1
2,26531 x 10^{-5}	0,8842066	0,9284211	1,2280052	2,37639 x 10^{-5}

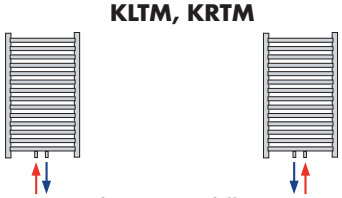
Stated heat output values apply for the illustrated types of radiator connections:

KLT, KRT



bottom connection

KLTM, KRTM



bottom middle

KORALUX® LINEAR COMFORT
KORALUX® RONDO COMFORT

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

BASIC TECHNICAL PARAMETERS

Model number	H [mm]	L [mm]	h [mm]	t_1/t_2 [°C]	Q [W] for t_i[°C]					Nominal heat output Q_N [W] (75/65/20°C)	Tempera-ture exponent n [-]	Radiator weight M_T [kg]	Water volume V_T [l]	Max. heat output E-elemen P [W]*
					15	18	20	22	24					
KLT 700.450	700	450	420	90/70	432	407	390	373	357	312	1.2638	5,0	3,4	-
KRT 700.450		445	415	70/55	291	267	252	237	222					
				55/45	198	176	162	149	135					
KLT 700.600	700	600	570	90/70	550	518	497	477	456	400	1.2354	6,1	4,1	200
KRT 700.600		595	565	70/55	373	344	324	305	286					
				55/45	256	229	211	194	176					
KLT 700.750	700	750	720	90/70	662	625	600	575	551	485	1.2069	7,2	4,8	200
KRT 700.750		745	715	70/55	453	418	395	372	350					
				55/45	314	281	260	239	218					
KLT 900.450	900	450	420	90/70	558	525	503	481	460	402	1.2699	6,6	4,5	200
KRT 900.450		445	415	70/55	374	344	324	304	285					
				55/45	254	227	209	191	173					
KLT 900.600	900	600	570	90/70	710	669	642	614	588	515	1.2463	8,2	5,5	300
KRT 900.600		595	565	70/55	480	442	417	392	367					
				55/45	329	294	270	248	225					
KLT 900.750	900	750	720	90/70	855	806	774	742	710	624	1.2227	9,7	6,6	300
KRT 900.750		745	715	70/55	582	537	507	477	448					
				55/45	402	359	332	304	277					
KLT 1220.450	1220	450	420	90/70	764	718	688	658	629	549	1.2797	8,9	6,1	300
KRT 1220.450		445	415	70/55	511	469	442	415	388					
				55/45	346	308	283	259	235					
KLT 1220.600	1220	600	570	90/70	974	916	878	841	804	703	1.2638	10,9	7,4	400
KRT 1220.600		595	565	70/55	655	602	567	533	499					
				55/45	446	397	366	335	304					
KLT 1220.750	1220	750	720	90/70	1175	1107	1062	1017	972	852	1.2479	13,0	8,8	500
KRT 1220.750		745	715	70/55	794	731	689	648	608					
				55/45	544	485	447	409	372					
KLT 1500.450	1500	450	420	90/70	952	894	856	819	782	682	1.2921	11,2	7,7	400
KRT 1500.450		445	415	70/55	634	582	548	514	481					
				55/45	428	381	350	319	290					
KLT 1500.600	1500	600	570	90/70	1217	1144	1096	1049	1001	874	1.2859	13,8	9,4	500
KRT 1500.600		595	565	70/55	813	746	703	660	617					
				55/45	550	489	450	411	373					
KLT 1500.750	1500	750	720	90/70	1474	1386	1328	1271	1214	1060	1.2798	16,5	11,2	600
KRT 1500.750		745	715	70/55	986	906	853	801	749					
				55/45	669	595	547	500	454					
KLT 1820.450	1820	450	420	90/70	1175	1104	1057	1011	965	841	1.2981	13,4	9,2	400
KRT 1820.450		445	415	70/55	782	717	675	633	592					
				55/45	527	468	430	392	356					
KLT 1820.600	1820	600	570	90/70	1506	1415	1355	1295	1237	1078	1.2967	16,6	11,3	600
KRT 1820.600		595	565	70/55	1002	919	865	812	759					
				55/45	676	601	552	503	456					
KLT 1820.750	1820	750	720	90/70	1825	1715	1642	1570	1499	1307	1.2953	19,8	13,4	700
KRL 1820.750		745	715	70/55	1215	1115	1049	984	920					
				55/45	820	729	669	611	554					

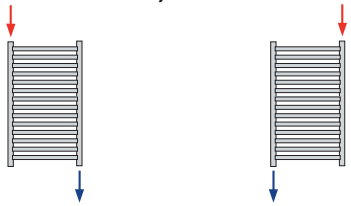
* Stated maximum output values of the electric heating element apply for combined heating (see page 26)

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

K_T	a	b	c_0	c_1
2,88645 x 10^{-5}	0,8625333	0,9234257	1,2296735	2,46711 x 10^{-5}

Stated heat output values apply for the illustrated types of radiator connections:

KLT, KRT



double-sided from the top down

KORALUX® LINEAR CLASSIC, LINEAR CLASSIC - M

Technical Data

Height H	700, 900, 1220, 1500, 1820 mm
Length L	450, 600, 750 mm
Depth B	30 mm
Connecting pitch (KLC)	**h = L - 30 mm**
Connecting pitch (KLCM)	50 mm
Connecting thread (KLC)	4 x G 1/2 (inside)
Connecting thread (KLCM)	6 x G 1/2 (inside)
Highest allowed working pressure	10 bar
Test pressure	13 bar
Maximum water temperature	110 °C
Flow coefficient (KLC)	$A_T = 2{,}1 \times 10^{-4}\ m^2$
Flow coefficient (KLCM)	$A_T = 7{,}1 \times 10^{-5}\ m^2$
Coefficient of resistance (DN 15) (KLC)	$\xi_T = 1{,}8$
Coefficient of resistance (DN 15) (KLCM)	$\xi_T = 16{,}0$

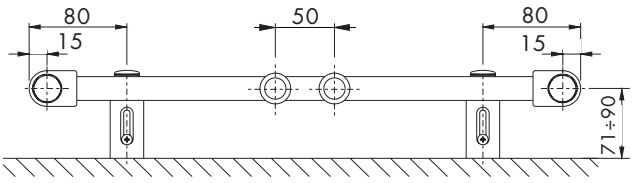
Design

KORALUX LINEAR CLASSIC (KLC) is a towel rail radiator with **bottom connection from the bottom down** with connecting pitch **h** derived from its length **L**. The design of the radiator also allows for **double sided connection from the top down**.

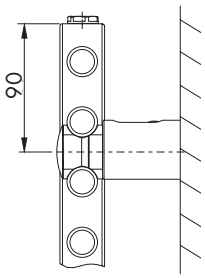
KORALUX LINEAR CLASSIC - M (KLCM) is a towel rail radiator modified for **bottom middle connection** with a connecting pitch of 50 mm.

Steel tubes	∅ 20 mm
Steel profile	40 x 30 mm

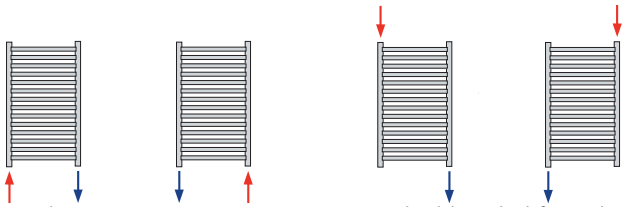
Fitting



The mounting set is delivered as standard and consists of 4 special plastic brackets, screws, dowels and assembly instructions.



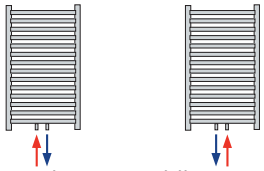
Type of Connection - KORALUX LINEAR CLASSIC



bottom connection

double-sided from the top down

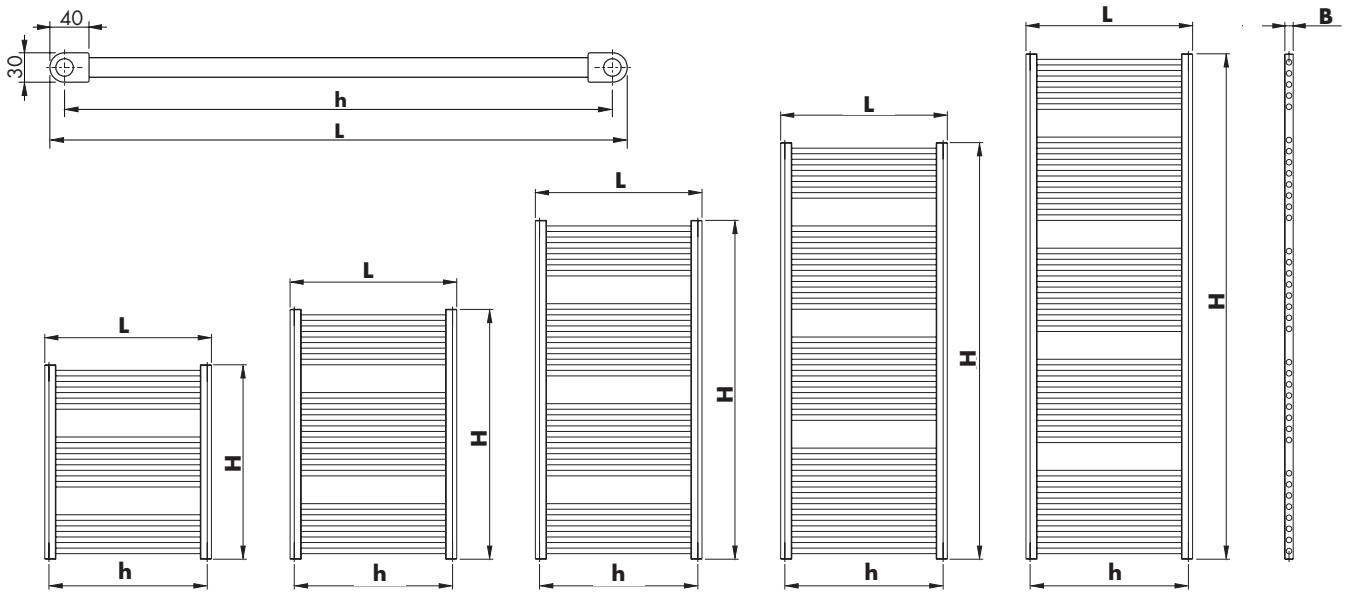
Type of Connection - KORALUX LINEAR CLASSIC - M



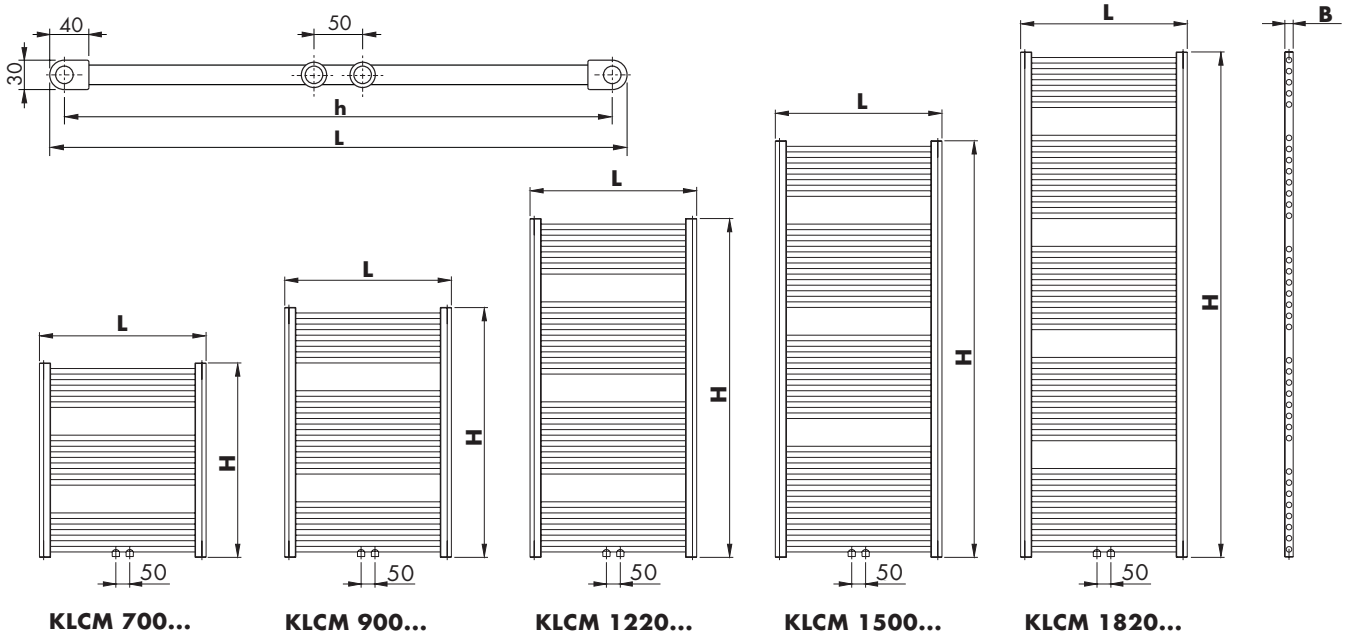
bottom middle*

*For radiators with the bottom middle connection you can use the integrated connection fittings HM delivered together with a thermostatic head (see page 27).

KORALUX® LINEAR CLASSIC



KORALUX® LINEAR CLASSIC - M



KORALUX® LINEAR CLASSIC - Є electric radiators

Model number	Electric input P [W]	M_c [kg]
KLCE 700.600	200	8,7
KLCE 700.750	200	10,1
KLCE 900.450	200	9,6
KLCE 900.600	200	11,5
KLCE 900.750	300	13,4
KLCE 1220.450	300	12,8
KLCE 1220.600	300	15,3

Model number	Electric input P [W]	M_c [kg]
KLCE 1220.750	400	17,9
KLCE 1500.450	300	16,0
KLCE 1500.600	400	19,3
KLCE 1500.750	500	22,7
KLCE 1820.450	400	19,1
KLCE 1820.600	500	23,1
KLCE 1820.750	700	27,2

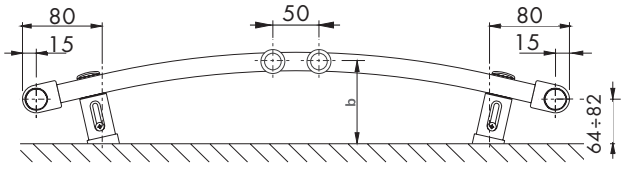
M_c = total weight of the radiator including electric heating element and filler

KORALUX® RONDO CLASSIC, RONDO CLASSIC - M

Technical Data

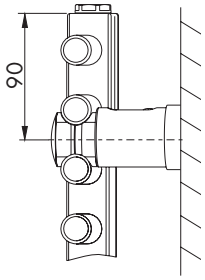
Height H	700, 900, 1220, 1500, 1820 mm
Length L	445, 595, 745 mm
Depth B	55, 63, 67 mm
Connecting pitch (KRC)	**h = L - 30 mm**
Connecting pitch (KRCM)	50 mm
Connecting thread (KRC)	4 x G 1/2 (inside)
Connecting thread (KRCM)	6 x G 1/2 (inside)
Highest allowed working pressure	10 bar
Test pressure	13 bar
Maximum water temperature	110 °C
Flow coefficient (KRC)	A_T = 2,1 x 10^{-4} m^2
Flow coefficient (KRCM)	A_T = 7,1 x 10^{-5} m^2
Coefficient of resistance (DN 15) (KRC)	ξ_T = 1,8
Coefficient of resistance (DN 15) (KRCM)	ξ_T = 16,0

Fitting



L [mm]	445	595	745
b [mm]	94 ÷ 112	102 ÷ 120	106 ÷ 124

The mounting set is delivered as standard and consists of 4 special plastic brackets, screws, dowels and assembly instructions.



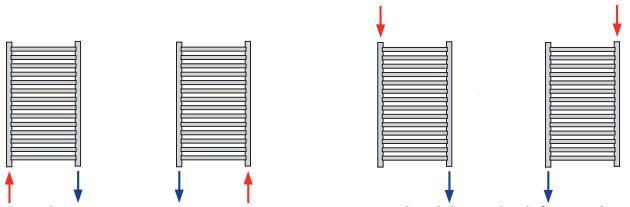
Design

KORALUX RONDO CLASSIC (KRC) is a towel rail radiator with **bottom connection from the bottom down** with connecting pitch **h** derived from its length **L**. The design of the radiator also allows for **double sided connection from the top down**.

KORALUX RONDO CLASSIC - M (KRCM) is a towel rail radiator modified for **bottom middle connection** with a connecting pitch of 50 mm.

Steel tubes ∅ 20 mm
Steel profile 40 x 30 mm

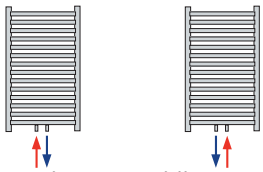
Type of Connection - KORALUX RONDO CLASSIC



bottom connection

double-sided from the top down

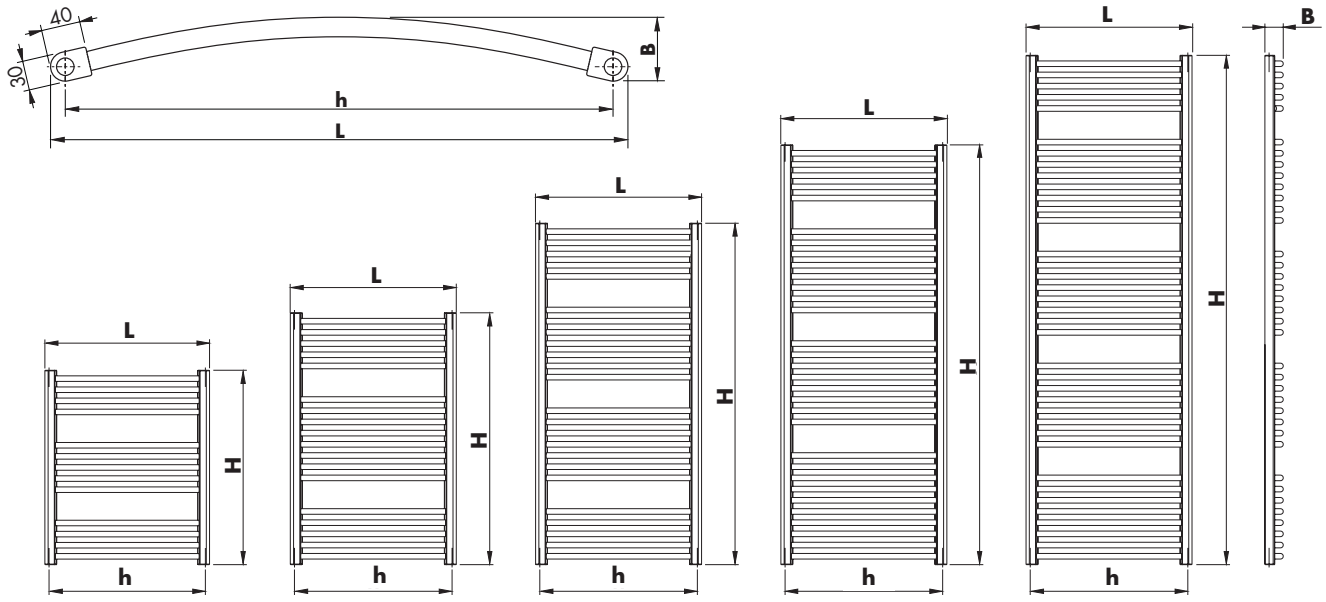
Type of Connection - KORALUX RONDO CLASSIC - M



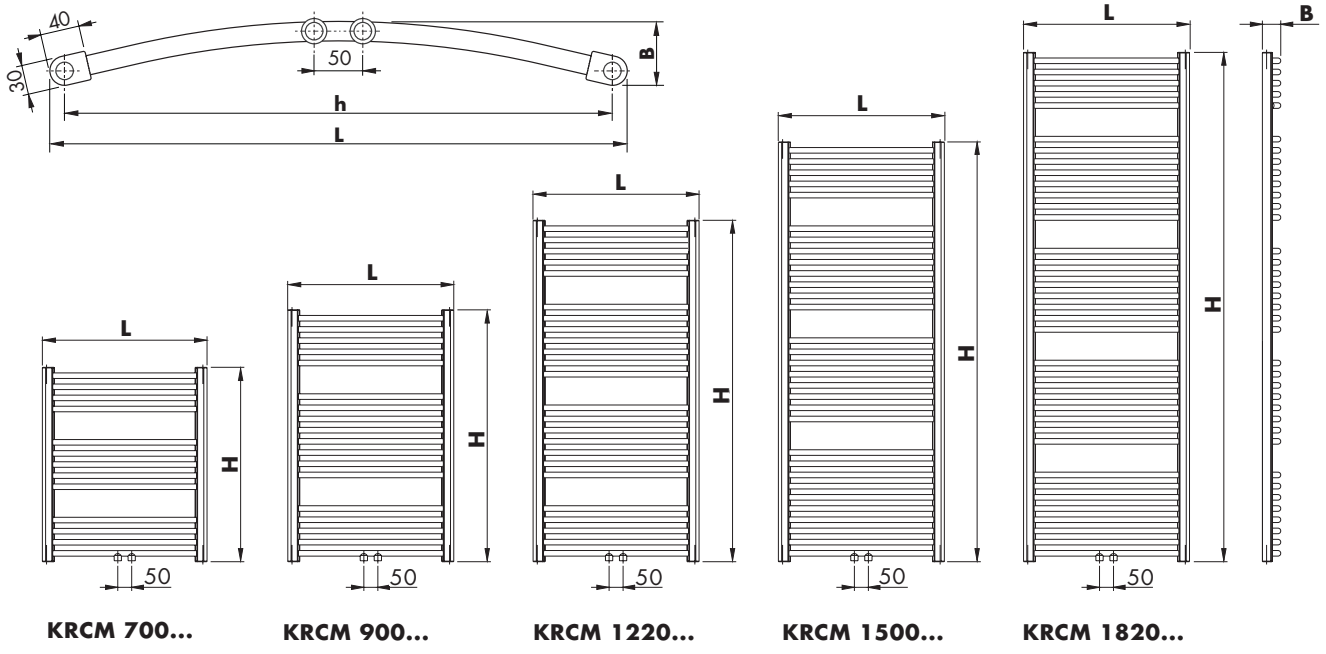
bottom middle*

*For radiators with the bottom middle connection you can use the integrated connection fittings HM delivered together with a thermostatic head (see page 27).

KORALUX® RONDO CLASSIC



KORALUX® RONDO CLASSIC - M



KORALUX® RONDO CLASSIC - E electric radiators

Model number	Electric input P [W]	M_c [kg]	Model number	Electric input P [W]	M_c [kg]
KRCE 700.600	200	8,7	**KRCE 1220.750**	400	17,9
KRCE 700.750	200	10,1	**KRCE 1500.450**	300	16,0
KRCE 900.450	200	9,6	**KRCE 1500.600**	400	19,3
KRCE 900.600	200	11,5	**KRCE 1500.750**	500	22,7
KRCE 900.750	300	13,4	**KRCE 1820.450**	400	19,1
KRCE 1220.450	300	12,8	**KRCE 1820.600**	500	23,1
KRCE 1220.600	300	15,3	**KRCE 1820.750**	700	27,2

M_c = total weight of the radiator including electric heating element and filler

KORALUX® LINEAR CLASSIC, LINEAR CLASSIC - M
KORALUX® RONDO CLASSIC, RONDO CLASSIC - M

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

BASIC TECHNICAL PARAMETERS

Model number	H [mm]	L [mm]	h [mm]	t_1/t_2 [°C]	Q [W] for t_i[°C]					Nominal heat output Q_N [W] (75/65/20°C)	Tempera-ture exponent n [-]	Radiator weight M_T [kg]	Water volume V_T [l]	Max. heat output E-elemen P [W]*
					15	18	20	22	24					
KLC (KLCM) 700.450 **KRC (KRCM) 700.450**	700	450 445	420 (50) 415 (50)	90/70 70/55 55/45	367 249 171	346 230 153	332 217 141	318 204 130	304 191 118	267	1.2309	4,4	2,5	-
KLC (KLCM) 700.600 **KRC (KRCM) 700.600**	700	600 595	570 (50) 565(50)	90/70 70/55 55/45	468 318 219	441 293 196	423 277 181	406 261 166	388 245 151	341	1.2260	5,4	3,0	200
KLC (KLCM) 700.750 **KRC (KRCM) 700.750**	700	750 745	720 (50) 715 (50)	90/70 70/55 55/45	564 385 265	532 355 237	511 335 219	490 315 201	469 296 183	412	1.2211	6,3	3,5	200
KLC (KLCM) 900.450 **KRC (KRCM) 900.450**	900	450 445	420 (50) 415 (50)	90/70 70/55 55/45	479 325 223	451 299 199	433 282 183	415 265 168	397 249 153	348	1.2399	5,9	3,4	200
KLC (KLCM) 900.600 **KRC (KRCM) 900.600**	900	600 595	570 (50) 565 (50)	90/70 70/55 55/45	609 413 284	574 381 254	551 359 234	528 338 215	505 317 195	443	1.2344	7,2	4,0	200
KLC (KLCM) 900.750 **KRC (KRCM) 900.750**	900	750 745	720 (50) 715 (50)	90/70 70/55 55/45	734 499 344	692 460 307	664 434 283	637 409 260	609 384 237	535	1.2288	8,5	4,7	300
KLC (KLCM) 1220.450 **KRC (KRCM) 1220.450**	1220	450 445	420 (50) 415 (50)	90/70 70/55 55/45	661 446 305	623 411 272	597 387 251	572 364 230	547 341 209	479	1.2524	7,9	4,5	300
KLC (KLCM) 1220.600 **KRC (KRCM) 1220.600**	1220	600 595	570 (50) 565 (50)	90/70 70/55 55/45	843 570 390	794 524 348	761 494 321	729 465 294	697 436 267	611	1.2468	9,6	5,4	300
KLC (KLCM) 1220.750 **KRC (KRCM) 1220.750**	1220	750 745	720 (50) 715 (50)	90/70 70/55 55/45	1015 687 471	956 633 421	917 597 388	879 562 356	841 527 324	737	1.2412	11,3	6,3	400
KLC (KLCM) 1500.450 **KRC (KRCM) 1500.450**	1500	450 445	420 (50) 415 (50)	90/70 70/55 55/45	825 556 380	777 512 339	745 483 312	713 454 286	682 425 260	597	1.2546	9,9	5,7	300
KLC (KLCM) 1500.600 **KRC (KRCM) 1500.600**	1500	600 595	570 (50) 565 (50)	90/70 70/55 55/45	1050 709 485	989 653 433	948 616 399	908 579 365	869 543 332	761	1.2490	12,1	6,9	400
KLC (KLCM) 1500.750 **KRC (KRCM) 1500.750**	1500	750 745	720 (50) 715 (50)	90/70 70/55 55/45	1266 857 587	1193 789 524	1144 744 483	1096 700 443	1048 656 403	919	1.2433	14,3	8,0	500
KLC (KLCM) 1820.450 **KRC (KRCM) 1820.450**	1820	450 445	420 (50) 415 (50)	90/70 70/55 55/45	1014 685 468	955 630 418	916 594 385	877 559 353	839 524 321	735	1.2503	11,9	6,8	400
KLC (KLCM) 1820.600 **KRC (KRCM) 1820.600**	1820	600 595	570 (50) 565 (50)	90/70 70/55 55/45	1293 873 598	1217 804 534	1168 758 492	1118 713 450	1069 668 410	937	1.2481	14,5	8,2	500
KLC (KLCM) 1820.750 **KRC (KRCM) 1820.750**	1820	750 745	720 (50) 715 (50)	90/70 70/55 55/45	1559 1054 722	1469 971 645	1409 915 594	1349 861 544	1290 807 495	1131	1.2458	17,2	9,7	700

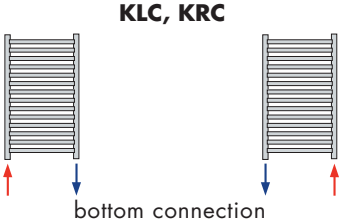
* Stated maximum output values of the electric heating element apply for combined heating (see page 26)

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

K_T	a	b	c_0	c_1
1,60403 x 10^{-5}	0,8452976	1,0126953	1,2279575	9,83047 x 10^{-6}

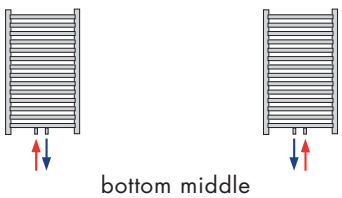
Stated heat output values apply for the illustrated types of radiator connections:

KLC, KRC



bottom connection

KLCM, KRCM



bottom middle

KORALUX® LINEAR CLASSIC
KORALUX® RONDO CLASSIC

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

BASIC TECHNICAL PARAMETERS

Model number	H [mm]	L [mm]	h [mm]	t_1/t_2 [°C]	Q [W] for t_i[°C]					Nominal heat output Q_N [W] (75/65/20°C)	Temperature exponent n [-]	Radiator weight M_T [kg]	Water volume V_T [l]	Max. heat output E-element P [W]*
					15	18	20	22	24					
KLC 700.450	700	450	420	90/70	404	380	364	349	333	291	1.2765	4,4	2,5	-
KRC 700.450		445	415	70/55	271	249	234	220	206					
				55/45	184	164	150	138	125					
KLC 700.600	700	600	570	90/70	513	483	463	444	424	372	1.2435	5,4	3,0	200
KRC 700.600		595	565	70/55	347	319	301	283	266					
				55/45	238	212	196	179	163					
KLC 700.750	700	750	720	90/70	613	579	556	533	510	449	1.2105	6,3	3,5	200
KRC 700.750		745	715	70/55	419	387	366	344	323					
				55/45	290	260	240	221	201					
KLC 900.450	900	450	420	90/70	526	494	474	453	433	378	1.2783	5,9	3,4	200
KRC 900.450		445	415	70/55	352	323	304	286	267					
				55/45	239	212	195	178	162					
KLC 900.600	900	600	570	90/70	665	627	601	575	550	482	1.2509	7,2	4,0	200
KRC 900.600		595	565	70/55	449	413	390	367	343					
				55/45	307	274	253	231	210					
KLC 900.750	900	750	720	90/70	799	754	723	693	664	583	1.2235	8,5	4,7	300
KRC 900.750		745	715	70/55	544	502	474	446	419					
				55/45	375	336	310	284	259					
KLC 1220.450	1220	450	420	90/70	722	679	651	622	594	519	1.2811	7,9	4,5	300
KRC 1220.450		445	415	70/55	483	443	418	392	367					
				55/45	327	291	268	245	222					
KLC 1220.600	1220	600	570	90/70	917	863	827	792	757	662	1.2627	9,6	5,4	300
KRC 1220.600		595	565	70/55	617	567	534	502	470					
				55/45	420	374	345	315	287					
KLC 1220.750	1220	750	720	90/70	1101	1037	995	953	912	799	1.2442	11,3	6,3	400
KRC 1220.750		745	715	70/55	745	686	647	608	570					
				55/45	510	456	420	385	350					
KLC 1500.450	1500	450	420	90/70	895	842	806	771	737	643	1.2847	9,9	5,7	300
KRC 1500.450		445	415	70/55	598	549	517	485	454					
				55/45	405	360	331	302	274					
KLC 1500.600	1500	600	570	90/70	1140	1072	1027	983	939	820	1.2775	12,1	6,9	400
KRC 1500.600		595	565	70/55	763	701	660	620	580					
				55/45	518	461	424	387	351					
KLC 1500.750	1500	750	720	90/70	1375	1293	1240	1186	1134	991	1.2703	14,3	8,0	500
KRC 1500.750		745	715	70/55	923	848	799	750	702					
				55/45	627	559	514	470	427					
KLC 1820.450	1820	450	420	90/70	1095	1029	986	943	901	786	1.2864	11,9	6,8	400
KRC 1820.450		445	415	70/55	731	671	632	593	555					
				55/45	495	440	404	369	335					
KLC 1820.600	1820	600	570	90/70	1397	1313	1258	1203	1149	1003	1.2848	14,5	8,2	500
KRC 1820.600		595	565	70/55	933	857	807	757	708					
				55/45	631	562	516	472	428					
KLC 1820.750	1820	750	720	90/70	1686	1585	1518	1453	1387	1211	1.2831	17,2	9,7	700
KRC 1820.750		745	715	70/55	1127	1034	974	914	855					
				55/45	763	679	624	570	517					

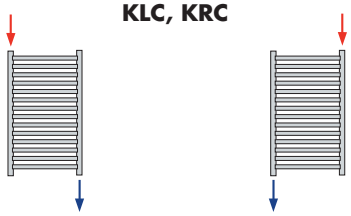
* Stated maximum output values of the electric heating element apply for combined heating (see page 26)

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

K_T	a	b	c_0	c_1
1,33063 x 10^{-5}	0,8465104	1,0389605	1,2584421	1,02361 x 10^{-7}

Stated heat output values apply for the illustrated types of radiator connections:

KLC, KRC



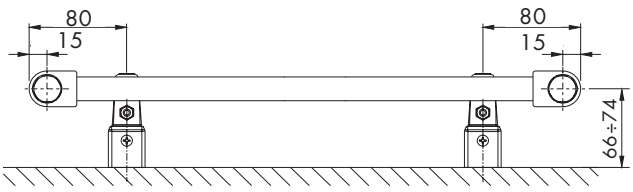
double-sided from the top down

KORALUX® STANDARD

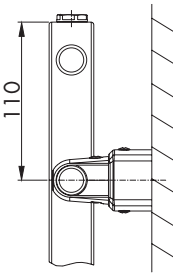
Technical Data

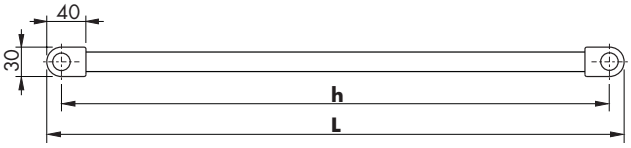
Height H	700, 900, 1220, 1500,mm
Length L	400, 500, 600 mm
Depth B	30 mm
Connecting pitch	**h = L - 30 mm**
Connecting thread	4 x G 1/2 (inside)
Highest allowed working pressure	10 bar
Test pressure	13 bar
Maximum water temperature	110 °C
Flow coefficient	A_T =1,6 x 10^{-4} m^2
Coefficient of resistance (DN 15)	ξ_T = 3,1

Fitting



The mounting set is delivered as standard and consists of 4 special plastic brackets, screws, dowels and assembly instructions.



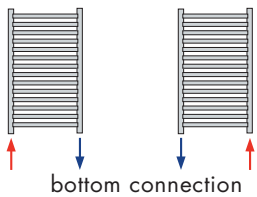


Design

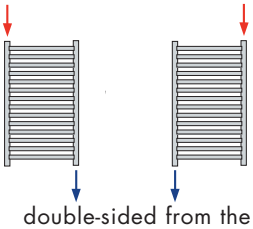
KORALUX STANDARD (KS) is a towel rail radiator with **bottom connection from the bottom down** with connecting pitch **h** derived from its length **L**. The design of the radiator also allows for **double sided connection from the top down**.

Steel tubes ∅ 20 mm
Steel profile 40 x 30 mm

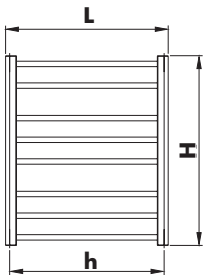
Type of Connection - KORALUX STANDARD



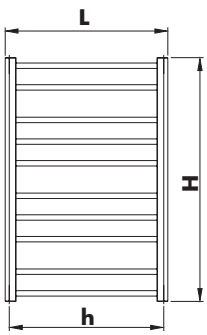
bottom connection



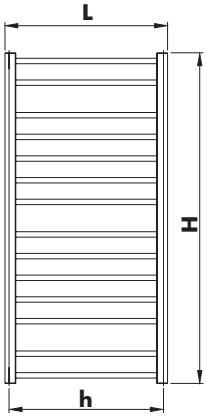
double-sided from the top down



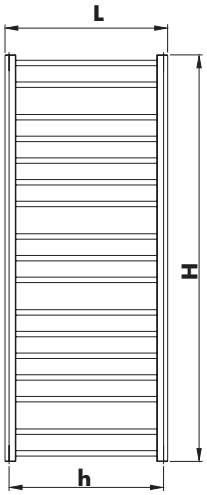
KS 700...



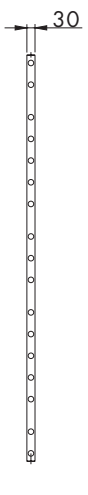
KS 900...



KS 1220...



KS 1500...



KORALUX® STANDARD

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

BASIC TECHNICAL PARAMETERS

Model number	H [mm]	L [mm]	h [mm]	t_1/t_2 [°C]	Q [W] for t_i[°C]					Nominal heat output Q_N [W] (75/65/20°C)	Temperature exponent n [-]	Radiator weight M_T [kg]	Water volume V_T [l]
					15	18	20	22	24				
KS 700.400	700	400	370	90/70	272	257	246	236	226	198	1,2347	3,3	1,9
				75/65	223	208	198	188	178				
				70/55	185	170	161	151	142				
				55/45	127	113	105	96	87				
KS 700.500	700	500	470	90/70	317	299	287	275	263	231	1,2278	3,7	2,1
				75/65	260	242	231	220	208				
				70/55	216	199	188	177	166				
				55/45	148	133	122	112	102				
KS 700.600	700	600	570	90/70	360	340	326	313	299	263	1,2209	4,1	2,3
				75/65	296	276	263	250	237				
				70/55	246	226	214	201	189				
				55/45	169	152	140	128	117				
KS 900.400	900	400	370	90/70	347	328	315	302	289	254	1,2153	4,2	2,5
				75/65	285	266	254	242	229				
				70/55	237	219	207	195	183				
				55/45	164	147	136	124	113				
KS 900.500	900	500	470	90/70	407	384	368	353	338	297	1,2219	4,7	2,7
				75/65	334	312	297	282	268				
				70/55	277	256	241	227	213				
				55/45	191	171	158	145	132				
KS 900.600	900	600	570	90/70	463	436	418	401	384	337	1,2285	5,2	3,0
				75/65	379	354	337	320	304				
				70/55	314	290	274	258	242				
				55/45	216	194	179	164	149				
KS 1220.400	1220	400	370	90/70	473	446	428	411	393	345	1,2274	5,7	3,4
				75/65	388	362	345	328	311				
				70/55	322	297	280	264	247				
				55/45	222	198	183	168	153				
KS 1220.500	1220	500	470	90/70	554	522	501	480	459	403	1,2341	6,4	3,7
				75/65	454	423	403	383	363				
				70/55	376	346	327	308	288				
				55/45	258	231	213	195	178				
KS 1220.600	1220	600	570	90/70	631	594	570	546	522	458	1,2407	7,1	4,1
				75/65	516	481	458	435	413				
				70/55	427	393	371	349	327				
				55/45	293	262	241	221	201				
KS 1500.400	1500	400	370	90/70	588	554	532	509	487	427	1,2423	7,0	4,1
				75/65	481	448	427	406	385				
				70/55	398	367	346	325	305				
				55/45	273	244	225	206	187				
KS 1500.500	1500	500	470	90/70	688	648	622	595	569	499	1,2456	7,8	4,6
				75/65	562	524	499	474	449				
				70/55	465	428	404	380	356				
				55/45	319	284	262	240	218				
KS 1500.600	1500	600	570	90/70	782	737	707	677	647	567	1,2489	8,6	5,0
				75/65	639	596	567	539	511				
				70/55	528	486	459	431	404				
				55/45	362	323	297	272	248				

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

K_T	a	b	c_0	c_1
6,09652 x 10^{-5}	0,6969140	0,9191200	1,2108153	2,19842 x 10^{-5}

Stated heat output values apply for the illustrated types of radiator connections:

KS

bottom connection

KORALUX® STANDARD

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

BASIC TECHNICAL PARAMETERS

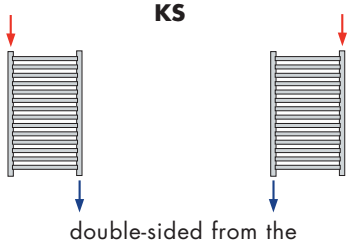
Model number	H [mm]	L [mm]	h [mm]	t_1/t_2 [°C]	Q [W] for t_i[°C]					Nominal heat output Q_N [W] (75/65/20°C)	Temperature exponent n [-]	Radiator weight M_T [kg]	Water volume V_T [l]
					15	18	20	22	24				
KS 700.400	700	400	370	90/70	295	278	266	255	244	213	1.2674	3,3	1,9
				75/65	241	224	213	202	191				
				70/55	198	182	172	161	151				
				55/45	135	120	111	101	92				
KS 700.500	700	500	470	90/70	345	324	311	298	285	249	1.2616	3,7	2,1
				75/65	281	262	249	236	224				
				70/55	232	213	201	189	177				
				55/45	158	141	130	119	108				
KS 700.600	700	600	570	90/70	391	368	353	338	323	283	1.2557	4,1	2,3
				75/65	319	297	283	269	255				
				70/55	264	243	229	215	201				
				55/45	180	161	148	135	123				
KS 900.400	900	400	370	90/70	378	356	342	328	313	275	1.2365	4,2	2,5
				75/65	310	289	275	261	248				
				70/55	256	236	223	210	197				
				55/45	176	157	145	133	121				
KS 900.500	900	500	470	90/70	444	418	401	384	367	322	1.2432	4,7	2,7
				75/65	363	338	322	306	290				
				70/55	300	276	261	245	230				
				55/45	206	184	169	155	141				
KS 900.600	900	600	570	90/70	504	474	455	436	417	365	1.2499	5,2	3,0
				75/65	411	383	365	347	329				
				70/55	340	313	295	278	260				
				55/45	233	208	191	175	159				
KS 1220.400	1220	400	370	90/70	512	482	463	444	425	373	1.2274	5,7	3,4
				75/65	420	392	373	355	336				
				70/55	348	321	303	285	267				
				55/45	240	214	198	181	165				
KS 1220.500	1220	500	470	90/70	599	565	542	519	497	436	1.2341	6,4	3,7
				75/65	491	458	436	414	393				
				70/55	407	375	354	333	312				
				55/45	280	250	230	211	192				
KS 1220.600	1220	600	570	90/70	683	643	617	591	566	496	1.2407	7,1	4,1
				75/65	559	521	496	471	447				
				70/55	463	426	402	378	354				
				55/45	317	283	261	239	218				
KS 1500.400	1500	400	370	90/70	634	597	572	548	524	458	1.2640	7,0	4,1
				75/65	517	481	458	435	412				
				70/55	427	392	370	347	325				
				55/45	290	259	238	218	198				
KS 1500.500	1500	500	470	90/70	741	698	669	641	612	536	1.2568	7,8	4,6
				75/65	605	563	536	509	482				
				70/55	499	459	433	407	381				
				55/45	341	304	280	256	233				
KS 1500.600	1500	600	570	90/70	841	792	760	727	695	609	1.2532	8,6	5,0
				75/65	687	640	609	578	548				
				70/55	567	522	492	463	434				
				55/45	388	346	319	292	265				

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

K_T	a	b	c_0	c_1
2,60605 x 10^{-5}	0,6991236	1,0406641	1,2617516	-8,966688 x 10^{-6}

Stated heat output values apply for the illustrated types of radiator connections:

KS



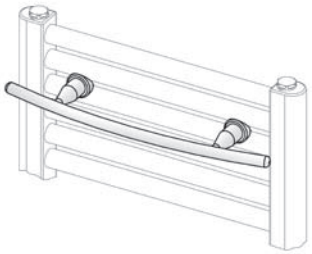
double-sided from the top down

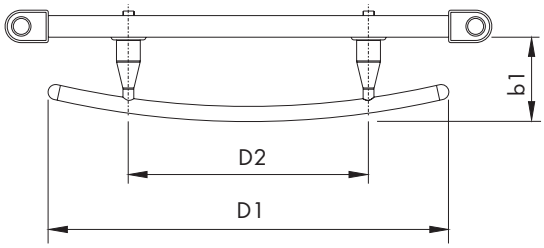
The company reserves the right to make technical changes.

KORALUX® ACCESSORIES

Towel hanger for KORALUX

- designed for use with all models of KORALUX towel rail radiators except for the KORALUX STANDARD model
- simple fitting and removal
- manufactured from stainless steel
- the choice of length of the hanger **D1** depends on the length of the radiator **L**
- maximum vertical load on the hanger is **50 N**
- the set contains 1 pc of the Towel hanger for KORALUX

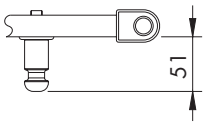




Type	D1 [mm]	D2 [mm]	b1 [mm]	Order number
Towel hanger for KORALUX 370	370	222	78	Z-D033
Towel hanger for KORALUX 518	518	370	93	Z-D034

Towel peg for KORALUX

- designed for use with all models of KORALUX towel rail radiators except for the KORALUX STANDARD model
- simple fitting and removal
- manufactured from stainless steel
- maximum vertical load on peg is **50 N**
- the set contains 1 pc of the Towel peg for KORALUX



Type	Order number
Towel peg for KORALUX	Z-D037

KORALUX® COMBINED HEATING

Combined Heating

All KORALUX towel rail radiators connected to the heating element system can be supplemented with electric heating element without using the integrated temperature regulator Z-KTT-XXXX, or they can be used with the integrated temperature regulator Z-KTTR-XXXX.
This way a towel rail radiator for combined heating (warm-water – electricity) is created which can be used regardless of whether the heating system is in operation.
The basic version of these electric radiators is connected to the main distribution frame by a cable connected to the wiring box if the electric radiator does not have an integrated temperature regulator, a modified cable enabling direct connection to a socket can be used.
However, the accessories must be ordered according to the required comfort and economy levels and must be installed on the cable. The following accessories are primarily concerned:

- the VS1 plug with manual switch (order code Z-SKV-0002)
- the R10A electric temperature regulator (order code Z-SKV-0003)

Basic Technical Data - Electric Radiators

Technical Data	Electric heating element without integrated temperature regulator Z-KTT-XXXX	Electric heating element with integrated temperature regulator Z-KTTR-XXXX
Switch	Yes*	Yes
Indication of operation	Yes*	Yes
Indication of fault condition	No	Yes
Thermostat	Yes**	Yes
Temperature limiter	Yes	Yes
Selection of operation modes	No	Yes
Rated voltage	230 V /50 Hz	230 V /50 Hz
Input range	200 ÷ 700 W	200 ÷ 700 W
Protection	IP 44	IP 44
Appliance class	1	1
Cable length	1,5 m	1,2 m
Connecting thread	G 1/2	G 1/2
Working position	Vertical model with the electric power supply at the bottom	Vertical model with the regulator on the bottom-left or bottom-right side
Optimization of service position	No	Yes

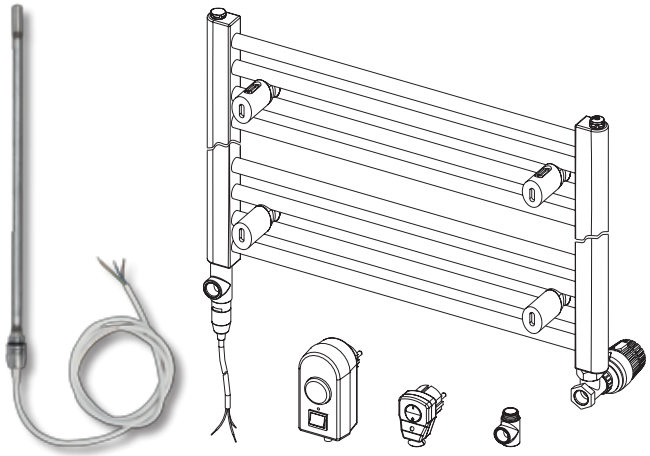
* applicable only when the VS1 plug or the R10A temperature regulator are used
** applicable only when the R10A temperature regulator is used

Basic Technical Data - Accessories

Technical Data	VS1 plug Z-SKV-0002	R10A Temperature regulator Z-SKV-0003
Switch	Yes	Yes
Indication of operation	Yes	Yes
Thermostat	No	Yes
Rated voltage	230 V /50 Hz	230 V /50 Hz
Protection	IP 41	IP 21
Working position	In compliance with General Safety Regulation	Vertical model with the lead-in cable at the bottom

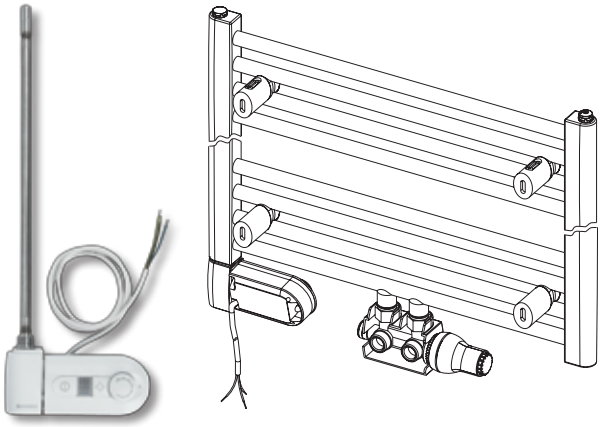
Electric heating element

without integrated temperature regulator



Accessories | **R10A temperature regulator** | **VS1 plug** | **„T" - branch**

with integrated temperature regulator



Warning for your safety:

- The installation and replacement of the heating element, replacement of the power cable and fitting of all electric accessories may be carried out only by a person with the required and valid professional qualification.
- The recommended (maximum) heat output values of the electric heating elements mentioned in the technical data sheet of each individual towel rail radiator KORALUX may not be exceeded.
- If the same outlet is used both for connection of the radiator to the heating system and for the installation of the electric heating element it is necessary to order the "T-branch" (article code Z-SKV-0001).
- The allowed working position is only vertical with the power cable below, that means the electric heating element may be inserted in the radiator only from below.
- The radiator may not be aerated and must be permanently connected to the heating system.
- Please study carefully the attached "Operating Instructions" where all principles and conditions of a safe operation of the radiator with combined heating are explained and highlighted clearly and demonstrably.

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.

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	KORALUX LINEAR COMFORT - M KORALUX LINEAR CLASSIC - M
	KORALUX RONDO COMFORT - M KORALUX RONDO CLASSIC - M
KORATHERM	KORATHERM HORIZONTAL-M
	KORATHERM VERTICAL-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.

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

Way of connection

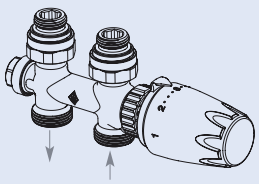
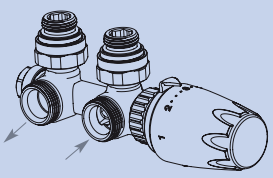
Connection to the heating system is accomplished using a G 3/4 external thread and a clamp connection can be used for copper, plastic, precision steel or multilayer pipes.

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.

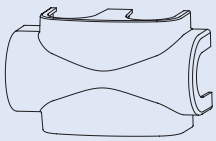
The valve on the fittings is equipped with M 30 x 1.5 external connection threading for mounting of the thermostatic head, which is delivered as standard with the HM Connection fitting.

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

KORALUX® INFORMATION FOR ORDERING

LINEAR COMFORT, LINEAR COMFORT - M

Model number	H [mm]	L [mm]	Order code
KLT 700.450	700	450	KLT07000450-XY
KLT 700.600	700	600	KLT07000600-XY
KLT 700.750	700	750	KLT07000750-XY
KLT 900.450	900	450	KLT09000450-XY
KLT 900.600	900	600	KLT09000600-XY
KLT 900.750	900	750	KLT09000750-XY
KLT 1220.450	1220	450	KLT12200450-XY
KLT 1220.600	1220	600	KLT12200600-XY
KLT 1220.750	1220	750	KLT12200750-XY
KLT 1500.450	1500	450	KLT15000450-XY
KLT 1500.600	1500	600	KLT15000600-XY
KLT 1500.750	1500	750	KLT15000750-XY
KLT 1820.450	1820	450	KLT18200450-XY
KLT 1820.600	1820	600	KLT18200600-XY
KLT 1820.750	1820	750	KLT18200750-XY
KLTM 700.450	700	450	KLT07000450MXY
KLTM 700.600	700	600	KLT07000600MXY
KLTM 700.750	700	750	KLT07000750MXY
KLTM 900.450	900	450	KLT09000450MXY
KLTM 900.600	900	600	KLT09000600MXY
KLTM 900.750	900	750	KLT09000750MXY
KLTM 1220.450	1220	450	KLT12200450MXY
KLTM 1220.600	1220	600	KLT12200600MXY
KLTM 1220.750	1220	750	KLT12200750MXY
KLTM 1500.450	1500	450	KLT15000450MXY
KLTM 1500.600	1500	600	KLT15000600MXY
KLTM 1500.750	1500	750	KLT15000750MXY
KLTM 1820.450	1820	450	KLT18200450MXY
KLTM 1820.600	1820	600	KLT18200600MXY
KLTM 1820.750	1820	750	KLT18200750MXY

RONDO COMFORT, RONDO COMFORT - M

Model number	H [mm]	L [mm]	Order code
KRT 700.450	700	445	KRT07000450-XY
KRT 700.600	700	595	KRT07000600-XY
KRT 700.750	700	745	KRT07000750-XY
KRT 900.450	900	445	KRT09000450-XY
KRT 900.600	900	595	KRT09000600-XY
KRT 900.750	900	745	KRT09000750-XY
KRT 1220.450	1220	445	KRT12200450-XY
KRT 1220.600	1220	595	KRT12200600-XY
KRT 1220.750	1220	745	KRT12200750-XY
KRT 1500.450	1500	445	KRT15000450-XY
KRT 1500.600	1500	595	KRT15000600-XY
KRT 1500.750	1500	745	KRT15000750-XY
KRT 1820.450	1820	445	KRT18200450-XY
KRT 1820.600	1820	595	KRT18200600-XY
KRT 1820.750	1820	745	KRT18200750-XY
KRTM 700.450	700	445	KRT07000450MXY
KRTM 700.600	700	595	KRT07000600MXY
KRTM 700.750	700	745	KRT07000750MXY
KRTM 900.450	900	445	KRT09000450MXY
KRTM 900.600	900	595	KRT09000600MXY
KRTM 900.750	900	745	KRT09000750MXY
KRTM 1220.450	1220	445	KRT12200450MXY
KRTM 1220.600	1220	595	KRT12200600MXY
KRTM 1220.750	1220	745	KRT12200750MXY
KRTM 1500.450	1500	445	KRT15000450MXY
KRTM 1500.600	1500	595	KRT15000600MXY
KRTM 1500.750	1500	745	KRT15000750MXY
KRTM 1820.450	1820	445	KRT18200450MXY
KRTM 1820.600	1820	595	KRT18200600MXY
KRTM 1820.750	1820	745	KRT18200750MXY

LINEAR CLASSIC, LINEAR CLASSIC - M

Model number	H [mm]	L [mm]	Order code
KLC 700.450	700	450	KLC07000450-XY
KLC 700.600	700	600	KLC07000600-XY
KLC 700.750	700	750	KLC07000750-XY
KLC 900.450	900	450	KLC09000450-XY
KLC 900.600	900	600	KLC09000600-XY
KLC 900.750	900	750	KLC09000750-XY
KLC 1220.450	1220	450	KLC12200450-XY
KLC 1220.600	1220	600	KLC12200600-XY
KLC 1220.750	1220	750	KLC12200750-XY
KLC 1500.450	1500	450	KLC15000450-XY
KLC 1500.600	1500	600	KLC15000600-XY
KLC 1500.750	1500	750	KLC15000750-XY
KLC 1820.450	1820	450	KLC18200450-XY
KLC 1820.600	1820	600	KLC18200600-XY
KLC 1820.750	1820	750	KLC18200750-XY
KLCM 700.450	700	450	KLC07000450MXY
KLCM 700.600	700	600	KLC07000600MXY
KLCM 700.750	700	750	KLC07000750MXY
KLCM 900.450	900	450	KLC09000450MXY
KLCM 900.600	900	600	KLC09000600MXY
KLCM 900.750	900	750	KLC09000750MXY
KLCM 1220.450	1220	450	KLC12200450MXY
KLCM 1220.600	1220	600	KLC12200600MXY
KLCM 1220.750	1220	750	KLC12200750MXY
KLCM 1500.450	1500	450	KLC15000450MXY
KLCM 1500.600	1500	600	KLC15000600MXY
KLCM 1500.750	1500	750	KLC15000750MXY
KLCM 1820.450	1820	450	KLC18200450MXY
KLCM 1820.600	1820	600	KLC18200600MXY
KLCM 1820.750	1820	750	KLC18200750MXY

RONDO CLASSIC, RONDO CLASSIC - M

Model number	H [mm]	L [mm]	Order code
KRC 700.450	700	445	KRC07000450-XY
KRC 700.600	700	595	KRC07000600-XY
KRC 700.750	700	745	KRC07000750-XY
KRC 900.450	900	445	KRC09000450-XY
KRC 900.600	900	595	KRC09000600-XY
KRC 900.750	900	745	KRC09000750-XY
KRC 1220.450	1220	445	KRC12200450-XY
KRC 1220.600	1220	595	KRC12200600-XY
KRC 1220.750	1220	745	KRC12200750-XY
KRC 1500.450	1500	445	KRC15000450-XY
KRC 1500.600	1500	595	KRC15000600-XY
KRC 1500.750	1500	745	KRC15000750-XY
KRC 1820.450	1820	445	KRC18200450-XY
KRC 1820.600	1820	595	KRC18200600-XY
KRC 1820.750	1820	745	KRC18200750-XY
KRCM 700.450	700	445	KRC07000450MXY
KRCM 700.600	700	595	KRC07000600MXY
KRCM 700.750	700	745	KRC07000750MXY
KRCM 900.450	900	445	KRC09000450MXY
KRCM 900.600	900	595	KRC09000600MXY
KRCM 900.750	900	745	KRC09000750MXY
KRCM 1220.450	1220	445	KRC12200450MXY
KRCM 1220.600	1220	595	KRC12200600MXY
KRCM 1220.750	1220	745	KRC12200750MXY
KRCM 1500.450	1500	445	KRC15000450MXY
KRCM 1500.600	1500	595	KRC15000600MXY
KRCM 1500.750	1500	745	KRC15000750MXY
KRCM 1820.450	1820	445	KRC18200450MXY
KRCM 1820.600	1820	595	KRC18200600MXY
KRCM 1820.750	1820	745	KRC18200750MXY

STANDARD

Model number	H [mm]	L [mm]	Order code
KS 700.400	700	400	KS-07000400-XY
KS 700.500	700	500	KS-07000500-XY
KS 700.600	700	600	KS-07000600-XY
KS 900.400	900	400	KS-09000400-XY
KS 900.500	900	500	KS-09000500-XY
KS 900.600	900	600	KS-09000600-XY

STANDARD

Model number	H [mm]	L [mm]	Order code
KS 1220.400	1220	400	KS-12200400-XY
KS 1220.500	1220	500	KS-12200500-XY
KS 1220.600	1220	600	KS-12200600-XY
KS 1500.400	1500	400	KS-15000400-XY
KS 1500.500	1500	500	KS-15000500-XY
KS 1500.600	1500	600	KS-15000600-XY

The company reserves the right to make technical changes.

KORALUX® INFORMATION FOR ORDERING

KORALUX LINEAR COMFORT - E
KORALUX RONDO COMFORT - E

Model number	H [mm]	L [mm]	Order code
KLTE 700.600	700	600	KLT07000600-XYE
KLTE 700.750	700	750	KLT07000750-XYE
KLTE 900.450	900	450	KLT09000450-XYE
KLTE 900.600	900	600	KLT09000600-XYE
KLTE 900.750	900	750	KLT09000750-XYE
KLTE 1220.450	1220	450	KLT12200450-XYE
KLTE 1220.600	1220	600	KLT12200600-XYE
KLTE 1220.750	1220	750	KLT12200750-XYE
KLTE 1500.450	1500	450	KLT15000450-XYE
KLTE 1500.600	1500	600	KLT15000600-XYE
KLTE 1500.750	1500	750	KLT15000750-XYE
KLTE 1820.450	1820	450	KLT18200450-XYE
KLTE 1820.600	1820	600	KLT18200600-XYE
KLTE 1820.750	1820	750	KLT18200750-XYE
KRTE 700.600	700	595	KRT07000600-XYE
KRTE 700.750	700	745	KRT07000750-XYE
KRTE 900.450	900	445	KRT09000450-XYE
KRTE 900.600	900	595	KRT09000600-XYE
KRTE 900.750	900	745	KRT09000750-XYE
KRTE 1220.450	1220	445	KRT12200450-XYE
KRTE 1220.600	1220	595	KRT12200600-XYE
KRTE 1220.750	1220	745	KRT12200750-XYE
KRTE 1500.450	1500	445	KRT15000450-XYE
KRTE 1500.600	1500	595	KRT15000600-XYE
KRTE 1500.750	1500	745	KRT15000750-XYE
KRTE 1820.450	1820	445	KRT18200450-XYE
KRTE 1820.600	1820	595	KRT18200600-XYE
KRTE 1820.750	1820	745	KRT18200750-XYE

KORALUX LINEAR CLASSIC - E
KORALUX RONDO CLASSIC - E

Model number	H [mm]	L [mm]	Order code
KLCE 700.600	700	600	KLC07000600-XYE
KLCE 700.750	700	750	KLC07000750-XYE
KLCE 900.450	900	450	KLC09000450-XYE
KLCE 900.600	900	600	KLC09000600-XYE
KLCE 900.750	900	750	KLC09000750-XYE
KLCE 1220.450	1220	450	KLC12200450-XYE
KLCE 1220.600	1220	600	KLC12200600-XYE
KLCE 1220.750	1220	750	KLC12200750-XYE
KLCE 1500.450	1500	450	KLC15000450-XYE
KLCE 1500.600	1500	600	KLC15000600-XYE
KLCE 1500.750	1500	750	KLC15000750-XYE
KLCE 1820.450	1820	450	KLC18200450-XYE
KLCE 1820.600	1820	600	KLC18200600-XYE
KLCE 1820.750	1820	750	KLC18200750-XYE
KRCE 700.600	700	595	KRC07000600-XYE
KRCE 700.750	700	745	KRC07000750-XYE
KRCE 900.450	900	445	KRC09000450-XYE
KRCE 900.600	900	595	KRC09000600-XYE
KRCE 900.750	900	745	KRC09000750-XYE
KRCE 1220.450	1220	445	KRC12200450-XYE
KRCE 1220.600	1220	595	KRC12200600-XYE
KRCE 1220.750	1220	745	KRC12200750-XYE
KRCE 1500.450	1500	445	KRC15000450-XYE
KRCE 1500.600	1500	595	KRC15000600-XYE
KRCE 1500.750	1500	745	KRC15000750-XYE
KRCE 1820.450	1820	445	KRC18200450-XYE
KRCE 1820.600	1820	595	KRC18200600-XYE
KRCE 1820.750	1820	745	KRC18200750-XYE

Combined heating - Electric heater

Electric heating element without integrated temperature regulator		Electric heating element with integrated temperature regulator	
Output [W]	Order code	Output [W]	Order code
200	Z-KTT-0200	200	Z-KTTR-0200
300	Z-KTT-0300	300	Z-KTTR-0300
400	Z-KTT-0400	400	Z-KTTR-0400
500	Z-KTT-0500	500	Z-KTTR-0500
600	Z-KTT-0600	600	Z-KTTR-0600
700	Z-KTT-0700	700	Z-KTTR-0700

Table for Creation of a Code

KLC HHHH LLLL - XY E

- electric version
- colour code
- way of connection
- nominal dimensions
- model number

Table for Creation of a Code

Z - KTT - XXXX

- Output in W
- Electric heating element without integrated temperature regulator

Z - KTTR - XXXX

- Output in W
- Electric heating element with integrated temperature regulator

Colours

	code
white RAL 9016	10

KORALUX towel rail radiators are supplied, in addition to standard white RAL 9016, also in other colour shades. See further information on colours available and codes in our current colour card RADIK, KORALUX and KORATHERM.

Combined heating - accessories

Name	Order code
„T" - branch	Z-SKV-0001
VS1 plug	Z-SKV-0002
R10A temperature regulator	Z-SKV-0003

KORALUX® 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 120 °C).
The object of the said standard in not surface finish of radiators operating with temperatures exceeding 120 °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 reguirements 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 abbrasive).
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. B reach of the scope of the standard DIN 55 900 by the user may be the cause of extinction of the producer´s quarantees.

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 55 900 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.

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	Unsufficiently 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.

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.

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. C losed 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 12 l/s – with permanent air-ventilation or with opened windows
Bathroom, toilet	25 l/s – when being used 10 l/s – with permanent air-ventilation or with opened windows
Garage a) separate b) shared	50 l/s – separate 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 corrossion 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).

KORALUX® QUALITY AND SAFETY

Quality of Towel Rail Radiators KORALUX

The well-established quality management system according to ISO 9001:2008 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**

KEMA CERTIFICATE
ISO 9001:2008
DUTCH COUNCIL FOR ACCREDITATION C 013

Towel Rail Radiators KORALUX
- safety and conformity with the European directives and standards

- **European standard EN 442 for radiators**

EN EURONORM 442

- **The conformity mark CE** indicates that the towel rail radiators KORALUX 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.

CE

KORALUX® SERVICE

Service for business partners and customers

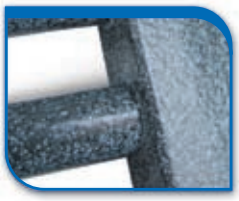
An expert for every situation – that is one of the basic ideas of the philosophy of the company KORADO with regard to service. The company KORADO pays great attention to communication with its partners on the market. It offers designers, merchants, and installers of heating systems broad support and 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 brochres and information leaflets for individual models of radiators, supplements and accessories
- Internet web page **http://www.korado.com**
- e-mail **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.

KORALUX® COLOUR CARD

code 10
White RAL 9016

code 29*
Antico Sandstone

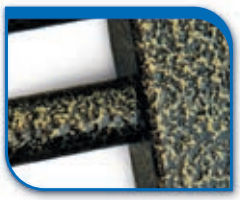


code 30*
Antico Granit

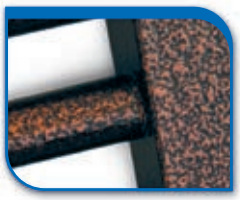
code 41
Alloy Green

code 40
Alloy Black

code 43
Pearl Silver



code 44
Pearl Gold



code 45
Pearl Brown

code 46
Pearl Green

code 35
Silber

code 42
Gold

code 32
Anthrazit Metallic

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

Notice:
The colour of the radiator may vary in comparison with the colour shown in the KORALUX 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: KORALUX 20%.

CE

CE mark used
from the year 2005

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