

thermal trend

QUALITY THROUGH INNOVATION



**ELECTRIC
LADDER
RADIATORS**



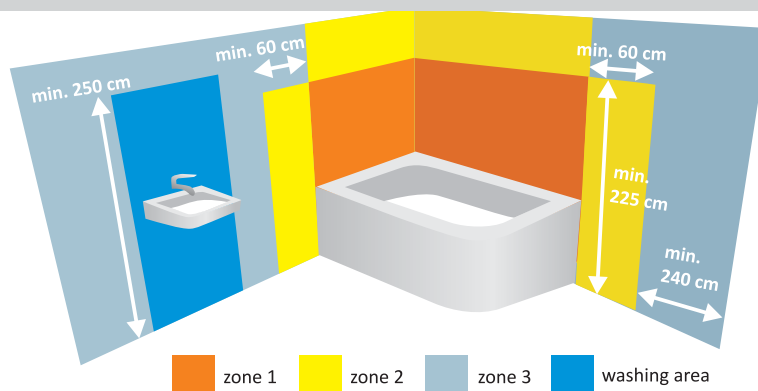
The benefits of electric radiators

- Low acquisition and installation costs** – Easy installation with minimum space requirement in comparison with other types of heating.
- Comfortable heat and health care** – Fast temperature control up to your needs and automated steel ladder regulation in respect to Smart home concept gently warms your body. Smaller airflow reduces dust swirling in the room.
- Aesthetic appearance** – **thermal trend** steel ladders offer a great range of models so that the heating system matches your requirements for desired design of your household.
- Energy savings** – Energy consumption is constantly decreasing thanks to the new construction and isolation material standards in the building industry. By adjusting the temperature, you can save up to 40% of energy costs.

Description

thermal trend steel ladder electric radiators are equipped with an electric heating rod and are factory pre-filled with an antifreeze mixture with a freezing point of -5 °C. Heating rod with corresponding input power heats the liquid. There is an installed temperature limiter set to 85°C, which protects the device against overheating. Bathroom radiators are supplied in two basic colors – WHITE and ANTHRACIT. You can also place an order for any chosen color from the RAL color sampler.

Use of product



Thermal Trend bathroom radiators can be placed anywhere in your household or industrial building. They are mostly used to heat bathrooms, dry towels, heat corridors, fitness, swimming pools and other type of rooms. You can install radiators in all zones. Thermostats should be placed in zones shown in the picture for the specific thermostat type. Electric power supply guarantees warm towels and heated rooms all over the year at high energy efficiency.

Electric radiators regulation with thermostats

E – Without thermostat. All electric radiators are equipped with a stainless steel heating rod type 1373/xx with input power 300 – 1350 W chosen based on the radiator size. Protection IP65 means that you can install the radiator in all zones **1,2**, and **3**. To place an order, please use the purchase code **E** for EXAMPLE **KH – E 450/970 300 W**

Shorty (ES) - is a simple thermostat with round temperature control device placed on the heating rod. Shorty complies to the IPX4 protection standard and should be installed in zones **2** and **3**. To place an order, please use the purchase code **ES** for EXAMPLE **D – ES 600/1510 – 700 W**

Tz33 (E33) - is a wall socket thermostat with easy round control device, LCD display and LED light. Thermostat complies to the IP20 protection standard and should be installed in zone **3**. Connected radiator can be installed in all zones. To place an order, please use the purchase code **E33** for EXAMPLE **DHR – E33 750/1510 – 800 W**

Tz63 (E63) - is a wall socket 3 buttons easy to operate thermostat with LCD display, LED light and a switcher to set up time to turn the heating system on or off when it would be convenient for you. Thermostat Tz63 complies to the IP20 protection standard and should be installed in zone **3** while connected radiator can be placed in all zones. To place an order, please use the purchase code **E63** for EXAMPLE **KM – E63 450/1815 – 700 W**

MUSA Plus (EM) - is the latest generation digital chrono-thermostat for the automatic radiator temperature control. Musa Plus has a digital back-lit display, analogue buttons, internal beeper, water protection and an external sensor capable of keeping the room temperature at a desired value. You can use the unique „Open Windows Detection“ feature that enables you to be more energy efficient. You can choose from several operating modes: Comfort mode for keeping the room temperature at the value set by the user, Anti-freeze mode keeps the temperature above 7°C, Timer-2h can be used to quickly warm the room or to dry a towel, Chrono can configure different temperature values for each and every hour on different days of the week. Musa Plus has IP44 protection and should be installed in Zones 2 and **3**. To place an order, please use the purchase code **EM** for EXAMPLE **KDO – EM 600/960 – 400 W**

Type (sizes)	input	Type (sizes)	input	Type (sizes)	input	Type (sizes)	input	Type (sizes)	input
D - E 450/934	300 W	DHR - E 450/934	300 W	HTO - E 496/1126	400 W	KM - E 450/783	300 W	R - E 450/780	300 W
D - ET 450/934	300 W	DHR - ET 450/934	300 W	HTO - ET 496/1126	400 W	KM - ET 450/783	300 W	R - ET 450/780	300 W
D - E 600/934	400 W	DHR - E 600/934	400 W	HTO - E 596/1126	500 W	KM - E 600/783	400 W	R - E 600/780	300 W
D - ET 600/934	400 W	DHR - ET 600/934	400 W	HTO - ET 596/1126	500 W	KM - ET 600/783	400 W	R - ET 600/780	300 W
D - E 750/934	500 W	DHR - E 750/934	400 W	HTO - E 746/1126	700 W	KM - E 750/783	500 W	R - E 750/780	300 W
D - ET 750/934	500 W	DHR - ET 750/934	400 W	HTO - ET 746/1126	700 W	KM - ET 750/783	500 W	R - ET 750/780	300 W
D - E 450/1222	400 W	DHR - E 450/1222	400 W	HTO - E 496/1454	500 W	KM - E 900/783	500 W	R - E 450/1180	400 W
D - ET 450/1222	400 W	DHR - ET 450/1222	400 W	HTO - ET 496/1454	500 W	KM - ET 900/783	500 W	R - ET 450/1180	400 W
D - E 600/1222	500 W	DHR - E 600/1222	500 W	HTO - E 596/1454	600 W	KM - E 450/1233	400 W	R - E 600/1180	500 W
D - ET 600/1222	500 W	DHR - ET 600/1222	500 W	HTO - ET 596/1454	600 W	KM - ET 450/1233	400 W	R - ET 600/1180	500 W
D - E 750/1222	700 W	DHR - E 750/1222	600 W	HTO - E 746/1454	700 W	KM - E 600/1233	600 W	R - E 750/1180	600 W
D - ET 750/1222	700 W	DHR - ET 750/1222	600 W	HTO - ET 746/1454	700 W	KM - ET 600/1233	600 W	R - ET 750/1180	600 W
D - E 450/1510	600 W	DHR - E 450/1510	600 W	HTO - E 496/1782	700 W	KM - E 750/1233	700 W	R - E 450/1500	500 W
D - ET 450/1510	600W	DHR - ET 450/1510	600 W	HTO - ET 496/1782	700 W	KM - ET 750/1233	700 W	R - ET 450/1500	500 W
D - E 600/1510	700 W	DHR - E 600/1510	700 W	HTO - E 596/1782	800 W	KM - E 900/1233	900 W	R - E 600/1500	600 W
D - ET 600/1510	700 W	DHR - ET 600/1510	700 W	HTO - ET 596/1782	800 W	KM - ET 900/1233	900 W	R - ET 600/1500	600 W
D - E 750/1510	800 W	DHR - E 750/1510	800 W	HTO - E 746/1782	1000 W	KM - E 450/1815	700 W	R - E 750/1500	800 W
D - ET 750/1510	800 W	DHR - ET 750/1510	800 W	HTO - ET 746/1782	1000 W	KM - ET 450/1815	700 W	R - ET 750/1500	800 W
D - E 450/1798	700 W	DHR - E 450/1798	600 W			KM - E 600/1815	900 W	R - E 450/1820	600 W
D - ET 450/1798	700 W	DHR - ET 450/1798	600 W			KM - ET 600/1815	900 W	R - ET 450/1820	600 W
D - E 600/1798	800 W	DHR - E 600/1798	800 W			KM - E 750/1815	1250 W	R - E 600/1820	800 W
D - ET 600/1798	800 W	DHR - ET 600/1798	800 W			KM - ET 750/1815	1250 W	R - ET 600/1820	800 W
D - E 750/1798	1000 W	DHR - E 750/1798	1000 W			KM - E 900/1815	1350 W	R - E 750/1820	900 W
D - ET 750/1798	1000 W	DHR - ET 750/1798	1000 W			KM - ET 900/1815	1350 W	R - ET 750/1820	900 W

Type (sizes)	input	Type (sizes)	input	Type (sizes)	input	Type (sizes)	input	Type (sizes)	input
KD - E 450/720	300 W	KDO - E 450/720	300 W	KH - E 450/730	300 W	KQ - E 450/720	300 W	RD - E 450/780	300 W
KD - ET 450/720	300 W	KDO - ET 450/720	300 W	KH - ET 450/730	300 W	KQ - ET 450/720	300 W	RD - ET 450/780	300 W
KD - E 600/720	300 W	KDO - E 600/720	300 W	KH - E 600/730	300 W	KQ - E 600/720	300 W	RD - E 600/780	400 W
KD - ET 600/720	300 W	KDO - ET 600/720	300 W	KH - ET 600/730	300 W	KQ - ET 600/720	300 W	RD - ET 600/780	400 W
KD - E 750/720	300 W	KDO - E 750/720	300 W	KH - E 750/730	300 W	KQ - E 750/720	300 W	RD - E 750/780	500 W
KD - ET 750/720	300 W	KDO - ET 750/720	300 W	KH - ET 750/730	300 W	KQ - ET 750/720	300 W	RD - ET 750/780	500 W
KD - E 450/960	300 W	KDO - E 450/960	300 W	KH - E 450/970	300 W	KQ - E 450/960	300 W	RD - E 450/1180	500 W
KD - ET 450/960	300 W	KDO - ET 450/960	300 W	KH - ET 450/970	300 W	KQ - ET 450/960	300 W	RD - ET 450/1180	500 W
KD - E 600/960	400 W	KDO - E 600/960	400 W	KH - E 600/970	400 W	KQ - E 600/960	400 W	RD - E 600/1180	700 W
KD - ET 600/960	400 W	KDO - ET 600/960	400 W	KH - ET 600/970	400 W	KQ - ET 600/960	400 W	RD - ET 600/1180	700 W
KD - E 750/960	500 W	KDO - E 750/960	500 W	KH - E 750/970	500 W	KQ - E 750/960	500 W	RD - E 750/1180	800 W
KD - ET 750/960	500 W	KDO - ET 750/960	500 W	KH - ET 750/970	500 W	KQ - ET 750/960	500 W	RD - ET 750/1180	800 W
KD - E 450/1320	500 W	KDO - E 450/1320	500 W	KH - E 450/1330	500 W	KQ - E 450/1320	500 W	RD - E 450/1500	700 W
KD - ET 450/1320	500 W	KDO - ET 450/1320	500 W	KH - ET 450/1330	500 W	KQ - ET 450/1320	500 W	RD - ET 450/1500	700 W
KD - E 600/1320	600 W	KDO - E 600/1320	600 W	KH - E 600/1330	600 W	KQ - E 600/1320	600 W	RD - E 600/1500	900 W
KD - ET 600/1320	600 W	KDO - ET 600/1320	600 W	KH - ET 600/1330	600 W	KQ - ET 600/1320	600 W	RD - ET 600/1500	900 W
KD - E 750/1320	700 W	KDO - E 750/1320	700 W	KH - E 750/1330	700 W	KQ - E 750/1320	700 W	RD - E 750/1500	1000 W
KD - ET 750/1320	700 W	KDO - ET 750/1320	700 W	KH - ET 750/1330	700 W	KQ - ET 750/1320	700 W	RD - ET 750/1500	1000 W
KD - E 450/1680	600 W	KDO - E 450/1680	600 W	KH - E 450/1690	600 W	KQ - E 450/1680	600 W	RD - E 450/1820	900 W
KD - ET 450/1680	600 W	KDO - ET 450/1680	600 W	KH - ET 450/1690	600 W	KQ - ET 450/1680	600 W	RD - ET 450/1820	900 W
KD - E 600/1680	800 W	KDO - E 600/1680	800 W	KH - E 600/1690	800 W	KQ - E 600/1680	800 W	RD - E 600/1820	1200 W
KD - ET 600/1680	800 W	KDO - ET 600/1680	800 W	KH - ET 600/1690	800 W	KQ - ET 600/1680	800 W	RD - ET 600/1820	1200 W
KD - E 750/1680	900 W	KDO - E 750/1680	900 W	KH - E 750/1690	900 W	KQ - E 750/1680	900 W	RD - E 750/1820	1350 W
KD - ET 750/1680	900 W	KDO - ET 750/1680	900 W	KH - ET 750/1690	900 W	KQ - ET 750/1680	900 W	RD - ET 750/1820	1350 W
KD - E 450/1840	700 W	KDO - E 450/1840	700 W	KH - E 450/1850	700 W	KQ - E 450/1850	700 W		
KD - ET 450/1840	700 W	KDO - ET 450/1840	700 W	KH - ET 450/1850	700 W	KQ - ET 450/1850	700 W		
KD - E 600/1840	900 W	KDO - E 600/1840	900 W	KH - E 600/1850	900 W	KQ - E 600/1850	900 W		
KD - ET 600/1840	900 W	KDO - ET 600/1840	900 W	KH - ET 600/1850	900 W	KQ - ET 600/1850	900 W		
KD - E 750/1840	1000 W	KDO - E 750/1840	1000 W	KH - E 750/1850	1000 W	KQ - E 750/1850	1000 W		
KD - ET 750/1840	1000 W	KDO - ET 750/1840	1000 W	KH - ET 750/1850	1000 W	KQ - ET 750/1850	1000 W		

Purchase codes glossary

D - ET - 450 / 934 - 300 W

Radiator type

Width

Height

Input power

Heating rod with a specific thermostat type

Type DHR and HTO has the electric rod and thermostat installed on a different side depending on the chosen right or left model type

E is a model without thermostat

For models ET with thermostat, please choose purchase code for a specific thermostat type ET33, ET63, EM or ES.
We recommend to choose thermostat EM (Musa)



Type D

Material: Steel 32 mm vertical pipes with flat horizontal bars

Height: 934, 1222, 1510, 1798 mm

Width: 450, 600, 750 mm

Input power: 300 – 1000 W



Type DHR

Material: Steel 32 mm vertical pipes fixed on the side with flat rail horizontal bars
– Right or Left version

Height: 934, 1222, 1510, 1798 mm

Width: 450, 600, 750 mm

Input power: 300 – 1000 W



Typ KM

Material: Steel vertical D profile pipes 35×41 mm with horizontal curved oval tubes 15×30 mm

Height: 783, 1233, 1815 mm

Width: 450, 600, 750, 900 mm

Input power: 300 – 1350 W



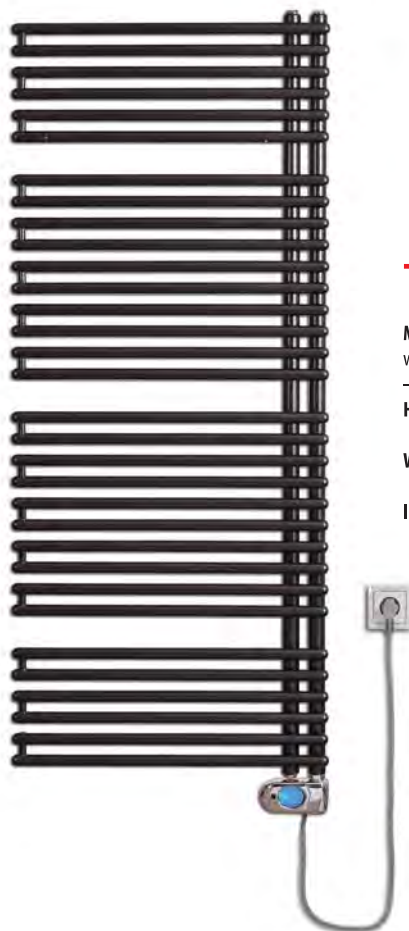
Typ KH

Material: Steel vertical square rails 30×30 mm with horizontal square rails 30×15 mm

Height: 730, 970, 1330, 1690, 1850 mm

Width: 450, 600, 750 mm

Input power: 300 – 1000 W



Typ HTO

Material: Steel 32 mm vertical pipes fixed on the side with vertical 22 mm tubes
– Right or Left version

Height: 1126, 1454, 1782 mm

Width: 496, 596, 746 mm

Input power: 400 – 1000 W



Typ KD

Material: Steel vertical pipes in D profile 30×40 mm with horizontal tubes 20 mm or 22 mm

Height: 720, 960, 1320, 1680, 1840 mm

Width: 450, 600, 750 mm

Input power: 300 – 1000 W



Typ KDO

Material: Steel vertical pipes in D profile 30×40 mm with curved horizontal tubes 20 mm or 22 mm

Height: 720, 960, 1320, 1680, 1840 mm

Width: 450, 600, 750 mm

Input power: 300 – 1000 W



Typ KQ

Material: Steel vertical square rails 30×30 mm with horizontal square rails 18×18 mm

Height: 730, 960, 1320, 1680, 1850 mm

Width: 450, 600, 750 mm

Input power: 300 – 1000 W



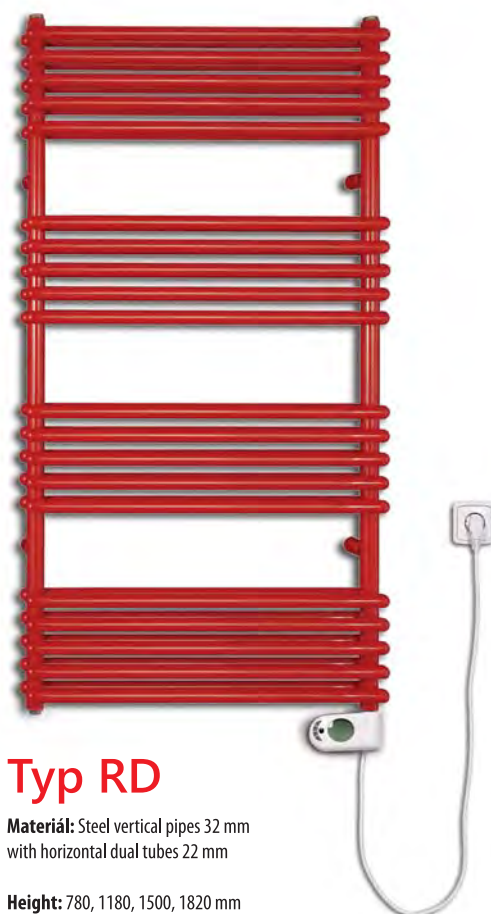
Typ R

Material: Steel vertical pipes 32 mm with horizontal tubes 22 mm

Height: 780, 1180, 1500, 1820 mm

Width: 450, 600, 750, mm

Input power: 300 – 900 W



Typ RD

Material: Steel vertical pipes 32 mm with horizontal dual tubes 22 mm

Height: 780, 1180, 1500, 1820 mm

Width: 450, 600, 750, mm

Input power: 300 – 1350 W



Shorty



Tz33



Tz63



MUSA Plus

