



BENCH CONVECTORS

KORALINE LD with board Economic LDE, Exclusive LDX

Bench convector with wooden board withstands static load without problems and is also suitable for sitting. Verified smart connection of the design, heat output and function is ideal not only for halls or conservatory, but also for office buildings and public centres.

KORALINE LD

Technical data

Height	300, 450 mm
Width	265, 315 mm
Length of bench	1 000, 1 200, 1 400, 1 600, 1 800, 2 000 mm
Output	from 721 to 3 525 W
Max. operating pressure	1,2 MPa
Max. operating temperature	110 °C
Max. surface temperature	40 °C
Connecting thread	female G 1/2"
Connection method	bottom (recommended), side
Cover panel design	wood – beech, oak, American walnut
Ordering code	see page 42



If the cover board is made of American walnut, the bench convector may be installed even in a wet environment – swimming pools, conservatory etc.

Standard supply content

- 1 wooden board as requested
- 2 galvanised steel or stainless-steel casing, class AISI 316 painted in RAL 9016 white
- 3 side connection cover
- 4 axial thermostatic valve 425, thread M 30 × 1,5 (see page 34)
- 5 extension piece 425 (see page 34)
- 6 Al/Cu heat exchanger with low water content, air vent, and vertically shaped slats for higher heat output
- 7 the assembly is in a resistant package containing assembly guide

Optional accessories

- cover wooden board – beech, oak or American walnut
- other colour of the casing according RAL colour chart

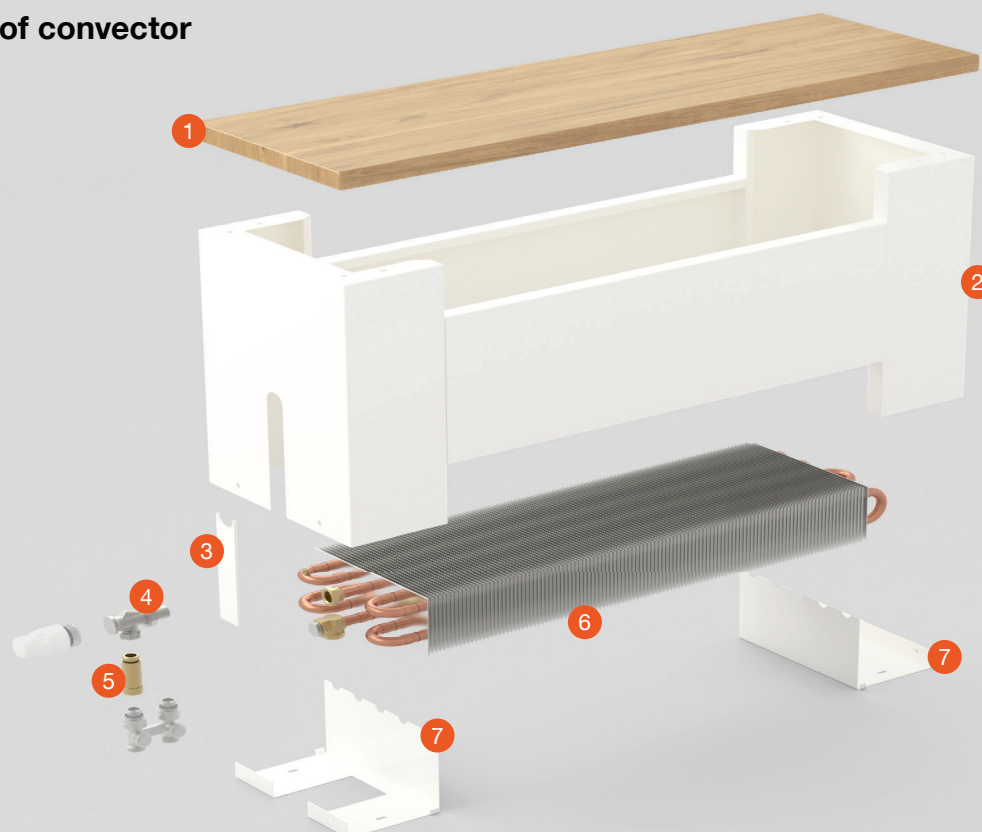
Model KORALINE Economic LDE

- 2 galvanised steel plate casing, painted in RAL 9016 white

Model KORALINE Exclusive LDX

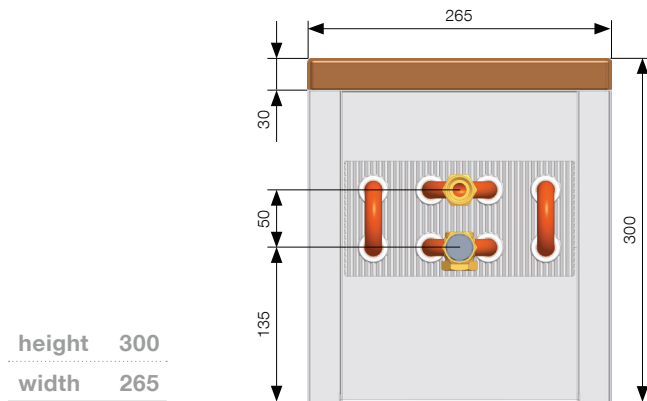
- 2 galvanised stainless-steel casing, AISI 316, painted in RAL 9016 white

Assembly of convector

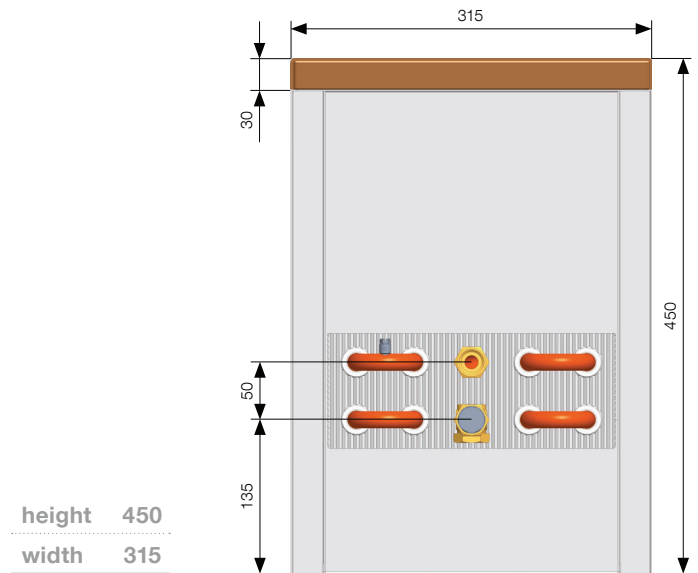


OVERVIEW OF TYPES

KORALINE with wooden board



Dimensions are given in mm.



HEAT OUTPUTS

Heat outputs [W] at $t_1/t_2/t_3$ = at 75/65/20 °C ($\Delta t=50$), 65/55/20 °C ($\Delta t=40$) and 55/45/20 °C ($\Delta t=30$)/EN 442

KORALINE LD			
Length	$t_1/t_2/t_3$ [°C]	Height 300	Height 450
		Width 265	Width 315
1000	75/65/20	721	1483
	65/55/20	524	1088
	55/45/20	348	730
1200	75/65/20	934	1891
	65/55/20	679	1388
	55/45/20	450	931
1400	75/65/20	1147	2300
	65/55/20	834	1688
	55/45/20	553	1133
1600	75/65/20	1360	2708
	65/55/20	989	1988
	55/45/20	656	1334

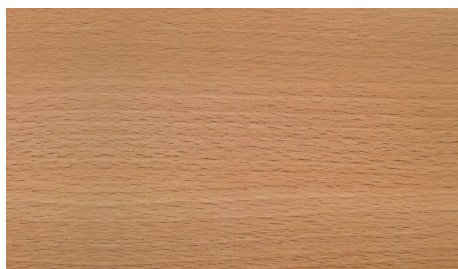
KORALINE LD			
Length	$t_1/t_2/t_3$ [°C]	Height 300	Height 450
		Width 265	Width 315
1800	75/65/20	1573	3117
	65/55/20	1144	2287
	55/45/20	758	1535
2000	75/65/20	1786	3525
	65/55/20	1299	2587
	55/45/20	861	1736
Temperature exponent n [-]		1,4290	1,3864



An example of conversion to other temperature gradient see page 41 or on www.licon.cz

COVER BOARD VARIANTS

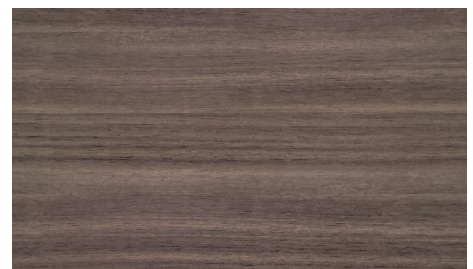
Wooden boards are painted with non-toxic transparent lacquer.



beech



oak



American walnut

ASSEMBLY

Assembly procedure

Fix the brackets to the floor (see assembly manual for mounting dimensions). Install the heat exchanger on top of the brackets and connect it to the water system. Cover with the casing and fix to the brackets. For detail information see the assembly manual. For correct function and maximum output, heat units must be filled after assembly with heating medium and properly bled.

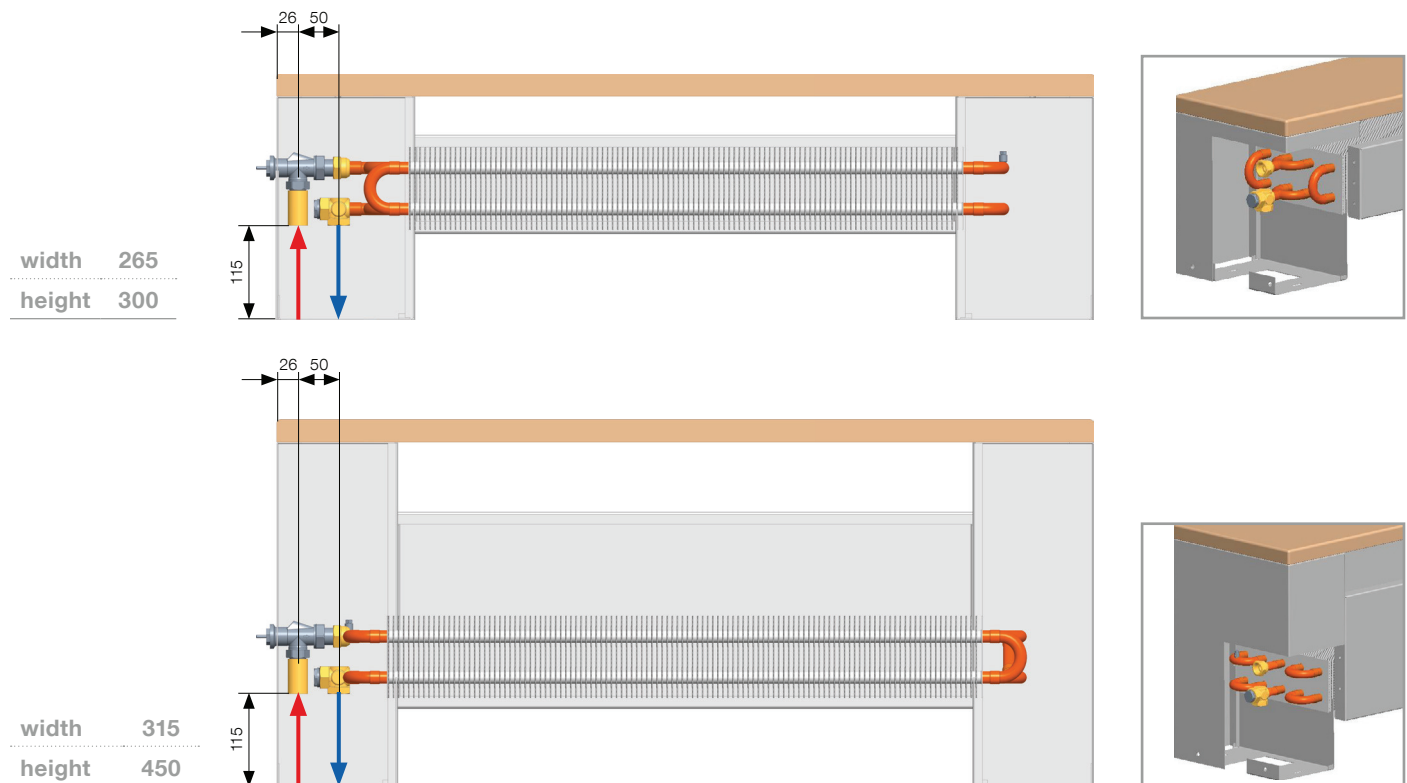
Attention!

Boards are made from natural materials. Therefore, minor variations in colour can occur. The supplier cannot fully guarantee the colours displayed and accept claims due to eventual colour variations. After installing, the board is fixed on sides to prevent undesirable movement.

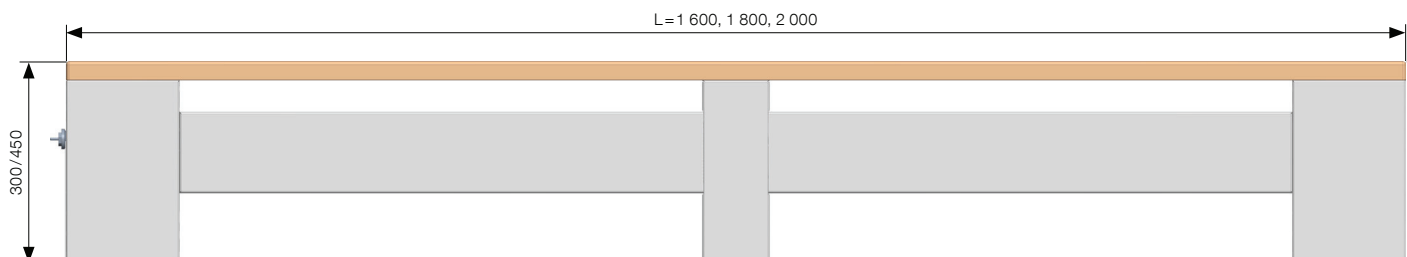
Bench convectors with a board for wet environment

Convectors designed for use at pool areas must be kept clean and washed with clean water on a regular basis. For a wet environment, we suggest the version Exclusive, with a cover panel made of American walnut.

Bottom connection



From the length of 1 600 mm, bench convectors KORALINE with board are supplied with a central support.



Dimensions are given in mm.