



*KORALINE OLOC with forced convection  
and aluminium silver elox grille*

# KORALINE

free-standing convectors  
with forced convection

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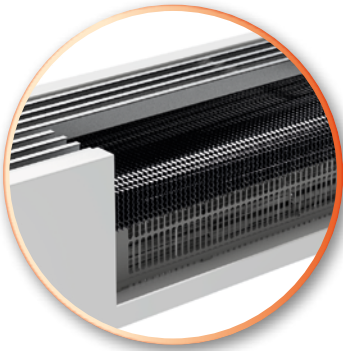


# KORALINE FREE-STANDING CONVECTORS WITH FORCED CONVECTION



## HIGH PERFORMANCE HEAT EXCHANGER

Specially designed Al/Cu heat exchanger ensures improved output and is the heart of every convector.



## UNIQUE FANS

New fans with EC aluminium motors for quiet operation and low power consumption.



## USER-FRIENDLY CONTROLS

User-friendly controls with room thermostats for smooth fan speed control, responding smoothly to changes in temperature to create a comfortable warm interior.

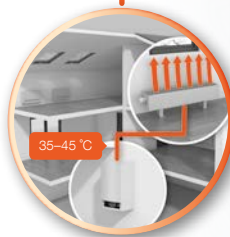


**OC** OPTIMIZED CONVECTION



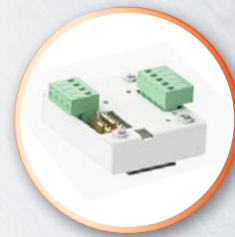
## INCREASED THERMAL OUTPUT

More efficient heating translates into financial savings and more comfortable, warm interior.



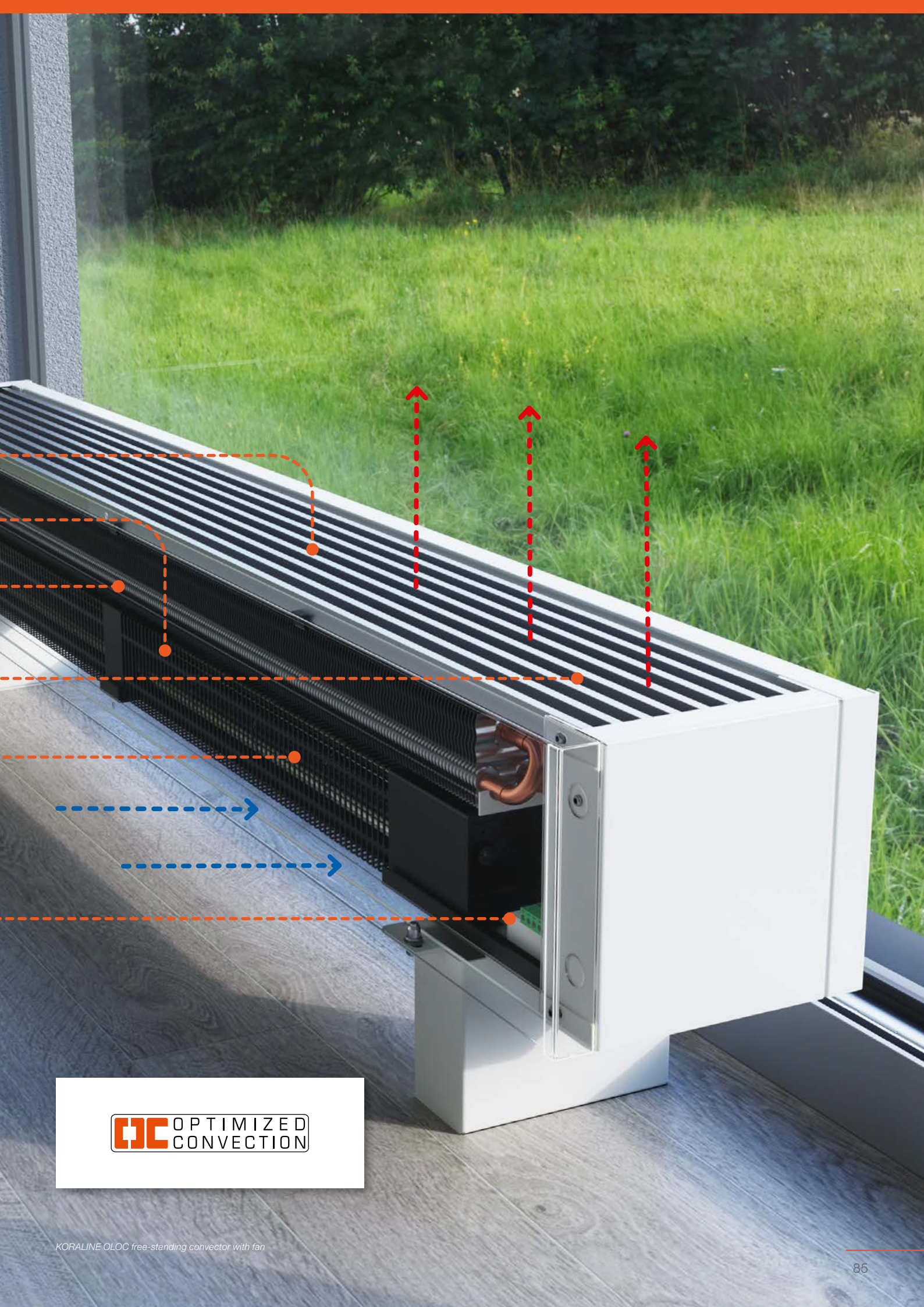
## SUITABLE FOR LOW TEMPERATURE SYSTEMS

Sufficient efficiency for heating with condensing boilers and heat pumps. Also suitable for passive or low-energy houses.



## GUARANTEED OUTPUT

Precise fan speed and declared output guaranteed thanks to sophisticated electronic control elements.



**OC** OPTIMIZED  
CONVECTION

KORALINE OLOC free-standing convector with fan

# KORALINE OLOC

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Free-standing convectors with forced convection  
and high-performance 24 V DC fans

# KORALINE OLOC

## Specifications

<b>Height</b>	150 mm
<b>Width</b>	111, 176, 236 mm
<b>Length</b>	900, 1 200, 1 600, 2 000, 2 400, 2 800 mm
<b>Output</b>	from 133 to 6 061 W
<b>Max. operating pressure</b>	1.2 MPa
<b>Max. operating temperature</b>	110 °C
<b>Max. surface temperature</b>	40 °C
<b>Connection thread</b>	inner G 1/2"
<b>Connection method</b>	lower



The **KORALINE OLOC** range of free-standing convectors is equipped with energy-saving, high-performance fans and an electric motor with minimum power consumption enabling convectors to achieve high efficiency even at low temperature gradients. This makes these convectors ideal for heating of buildings fitted with heat pumps. The convectors can be controlled via BMS and due to their immediate response to changes in room temperature, very quiet operation and low surface temperature, they are suitable for domestic dwellings, apartment buildings and other public buildings.

## Standard contents

- silver elox aluminium grille
- galvanized steel RAL 9016 white casing
- Al/Cu low-water volume heat exchangers, bleed valve, uniquely shaped fins
- set of low-energy EC 24 V DC quiet operation fans
- connection terminals and FCR-BOX electronic regulator
- floor-level brackets
- assembly instructions and durable packaging

## Optional accessories

- further RAL lacquers for casings available
- elbow or straight lockshield (see p. 96)
- elbow or straight thermostatic valve (see p. 96)
- TEP 24 thermoelectric actuator (see p. 95)
- SIEMENS RDG160T, RDG260KN or RAB21DC room thermostat (see p. 94)
- QAA32 room temperature sensor (see p. 94)
- IRA 211 remote control (see p. 95)
- NTC temperature sensor (see p. 95)
- DC voltage supply (see p. 96)
- R-Box (viz str. 96)



Thermostatic valve is NOT supplied as KORALINE OLOC Standard and must be ordered as Optional accessory.



KORALINE OLOC may not be used with floor-level bracket casing, wall or sub-floor brackets.



Silver elox aluminium grille



Forced convection



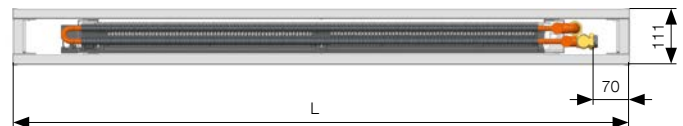
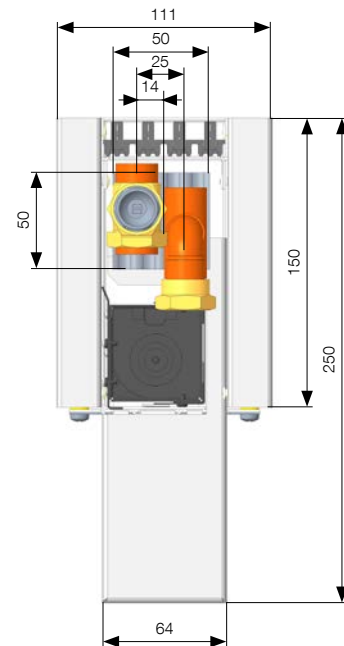
Quiet operation



Other RAL colour chart lacquers available

## Specifications

<b>Height</b>	150 mm
<b>Width</b>	111 mm
<b>Length</b>	900, 1 200, 1 600, 2 000, 2 400, 2 800 mm
<b>Heat exchanger height</b>	50 mm
<b>Heat exchanger width</b>	50 mm
<b>Heat exchanger effective length</b>	L - 300 mm
<b>Fan impeller diameter</b>	30 mm
<b>Connecting thread</b>	2× G 1/2" inner
<b>Connection method</b>	lower only



Measurements in mm.

## Heat outputs and technical data

Width [mm]		110																											
Height [mm]		150																											
Total length [mm]		900				1 200				1 600				2 000				2 400				2 800							
Power input [W]		0	1	2	2	0	1	2	2	0	1	2	3	0	1	2	3	0	2	3	5	0	2	4	6				
Sound pressure 1 m [dB(A)]		0	10.1	19.4	23.2	0	10.3	19.5	23.7	0	10.7	20.1	23.9	0	11.6	22.4	24.9	0	11.9	22.9	25.1	0	12	23.1	25.2				
Sound power [dB(A)]		0	25.7	32.7	41.4	0	26.5	33.9	42.3	0	26.4	34.7	43.4	0	26.8	35.7	44.3	0	27	36.5	45	0	26.5	37.6	45.8				
Switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3				
Thermal Output		Heat outputs [W]/EN 442																											
t <sub>i</sub> [°C]		t <sub>e</sub> [°C]																											
<b>90/70 °C</b>	20	160	366	498	629	240	550	746	943	347	794	1078	1362	453	1038	1410	1782	560	1282	1742	2201	667	1527	2073	2620				
	18	139	318	431	545	208	476	647	817	300	688	934	1181	393	900	1222	1544	485	1111	1509	1907	578	1323	1797	2271				
<b>75/65 °C</b>	20	<b>133</b>	<b>305</b>	<b>415</b>	<b>524</b>	<b>200</b>	<b>458</b>	<b>622</b>	<b>786</b>	<b>289</b>	<b>662</b>	<b>898</b>	<b>1135</b>	<b>378</b>	<b>865</b>	<b>1175</b>	<b>1485</b>	<b>467</b>	<b>1069</b>	<b>1451</b>	<b>1834</b>	<b>556</b>	<b>1272</b>	<b>1728</b>	<b>2183</b>				
	22	128	293	398	503	192	440	597	755	277	635	863	1090	363	831	1128	1425	448	1026	1393	1761	533	1221	1659	2096				
<b>70/55 °C</b>	18	119	272	369	466	178	408	554	700	257	589	800	1010	336	770	1046	1321	415	951	1292	1632	494	1132	1538	1943				
	20	113	260	352	445	170	389	529	668	246	562	764	965	321	735	999	1262	397	908	1234	1559	472	1081	1469	1856				
<b>55/45 °C</b>	22	108	247	336	424	162	371	504	637	234	536	728	920	306	701	952	1203	378	866	1176	1486	450	1031	1400	1769				
	18	85	195	265	335	128	293	398	503	185	423	575	727	242	554	752	950	299	684	929	1174	356	814	1106	1397				
<b>50/40 °C</b>	20	80	183	249	314	120	275	373	472	173	397	539	681	227	519	705	891	280	641	871	1100	333	763	1037	1310				
	22	75	171	232	293	112	256	348	440	162	370	503	636	212	484	658	831	261	598	813	1027	311	712	968	1223				
<b>45/35 °C</b>	18	72	165	224	283	108	247	336	424	156	357	485	613	204	467	634	802	252	577	784	990	300	687	933	1179				
	20	67	153	207	262	100	229	311	393	144	331	449	568	189	433	587	742	233	534	726	917	278	636	864	1092				
<b>45/35 °C</b>	22	61	140	191	241	92	211	286	362	133	304	413	522	174	398	540	683	215	492	668	844	256	585	795	1004				
	18	59	134	182	231	88	202	274	346	127	291	395	500	166	381	517	653	205	470	639	807	244	560	760	961				
<b>45/35 °C</b>	20	53	122	166	210	80	183	249	314	116	265	359	454	151	346	470	594	187	427	581	734	222	509	691	873				
	22	48	110	149	189	72	165	224	283	104	238	323	409	136	311	423	534	168	385	522	660	200	458	622	786				

Temperature exponent m = 1

Measurements in mm.



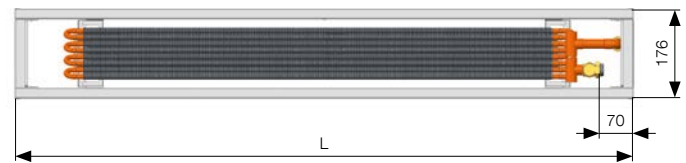
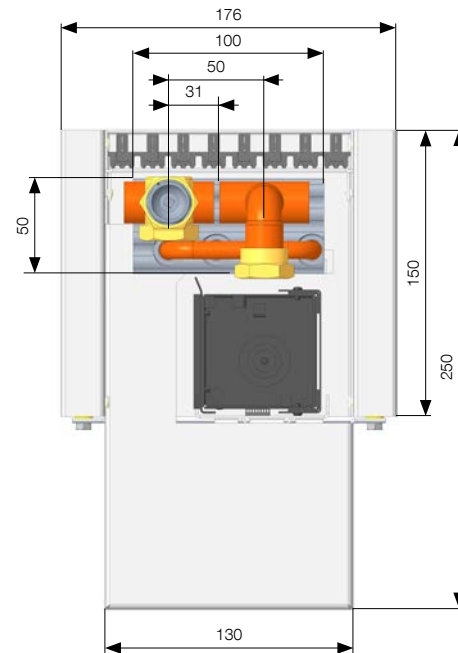
KORALINE OLOC may not be used with floor-level bracket casing, wall or sub-floor brackets.

### Further information

Correction coefficient p. 91, Assembly p. 92,  
Regulation and accessories p. 93, Colour chart p. 109

## Specifications

<b>Height</b>	150 mm
<b>Width</b>	176 mm
<b>Length</b>	900, 1 200, 1 600, 2 000, 2 400, 2 800 mm
<b>Heat exchanger height</b>	50 mm
<b>Heat exchanger width</b>	100 mm
<b>Heat exchanger effective length</b>	L - 300 mm
<b>Fan impeller diameter</b>	40 mm
<b>Connecting thread</b>	2× G 1/2" inner
<b>Connection method</b>	lower only



Measurements in mm.

## Heat outputs and technical data

Width [mm]		180																											
Height [mm]		150																											
Total length [mm]		900				1 200				1 600				2 000				2 400				2 800							
Power input [W]		0	1	2	3	0	2	3	4	0	2	4	5	0	3	5	6	0	3	6	8	0	4	7	9				
Sound pressure 1 m [dB(A)]		0	19.8	27.6	30	0	20.1	28.3	31	0	21.2	29.5	32.4	0	21.9	30.5	33.5	0	22.4	31.3	34.5	0	22.7	31.9	35.3				
Sound power [dB(A)]		0	27.8	35.6	38	0	28.1	36.3	39	0	29.2	37.5	40.4	0	29.9	38.5	41.5	0	30.4	39.3	42.5	0	30.7	39.9	43.3				
Switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3				
Thermal Output		Heat outputs [W]/EN 442																											
t <sub>i</sub> [°C]																													
90/70 °C	20	250	1025	1208	1392	376	1537	1813	2088	543	2220	2618	3016	709	2904	3424	3944	876	3587	4229	4872	1043	4270	5035	5800				
	18	217	888	1047	1206	326	1332	1571	1810	470	1924	2269	2614	615	2517	2967	3418	760	3109	3666	4222	904	3701	4364	5027				
75/65 °C	20	209	854	1007	1160	313	1281	1511	1740	452	1850	2182	2513	591	2420	2853	3287	730	2989	3525	4060	869	3558	4196	4833				
	22	200	820	967	1114	300	1230	1450	1670	434	1776	2095	2413	568	2323	2739	3155	701	2869	3384	3898	835	3416	4028	4640				
70/55 °C	18	186	760	896	1032	279	1140	1344	1549	402	1647	1942	2237	526	2154	2539	2925	650	2660	3137	3613	774	3167	3734	4302				
	20	177	726	856	986	266	1089	1284	1479	384	1573	1855	2136	503	2057	2425	2794	621	2541	2996	3451	739	3025	3567	4108				
55/45 °C	22	169	692	816	940	254	1038	1224	1409	366	1499	1767	2036	479	1960	2311	2662	592	2421	2855	3289	704	2882	3399	3915				
	18	134	547	644	742	200	820	967	1114	289	1184	1396	1609	378	1549	1826	2103	467	1913	2256	2598	556	2277	2685	3093				
50/40 °C	20	125	512	604	696	188	769	906	1044	271	1110	1309	1508	355	1452	1712	1972	438	1793	2115	2436	522	2135	2518	2900				
	22	117	478	564	650	175	717	846	974	253	1036	1222	1407	331	1355	1598	1841	409	1674	1974	2274	487	1993	2350	2707				
45/35 °C	18	113	461	544	626	169	692	816	940	244	999	1178	1357	319	1307	1541	1775	394	1614	1903	2192	470	1922	2266	2610				
	20	104	427	504	580	157	641	755	870	226	925	1091	1257	296	1210	1427	1643	365	1495	1762	2030	435	1779	2098	2417				
45/35 °C	22	96	393	463	534	144	589	695	800	208	851	1004	1156	272	1113	1313	1512	336	1375	1621	1868	400	1637	1930	2223				
	18	92	376	443	510	138	564	665	766	199	814	960	1106	260	1065	1255	1446	321	1315	1551	1786	383	1566	1846	2127				
45/35 °C	20	83	342	403	464	125	512	604	696	181	740	873	1005	236	968	1141	1315	292	1196	1410	1624	348	1423	1678	1933				
	22	75	307	363	418	113	461	544	626	163	666	785	905	213	871	1027	1183	263	1076	1269	1462	313	1281	1511	1740				

Temperature exponent m = 1

Measurements in mm.



KORALINE OLOC may not be used with floor-level bracket casing, wall or sub-floor brackets.

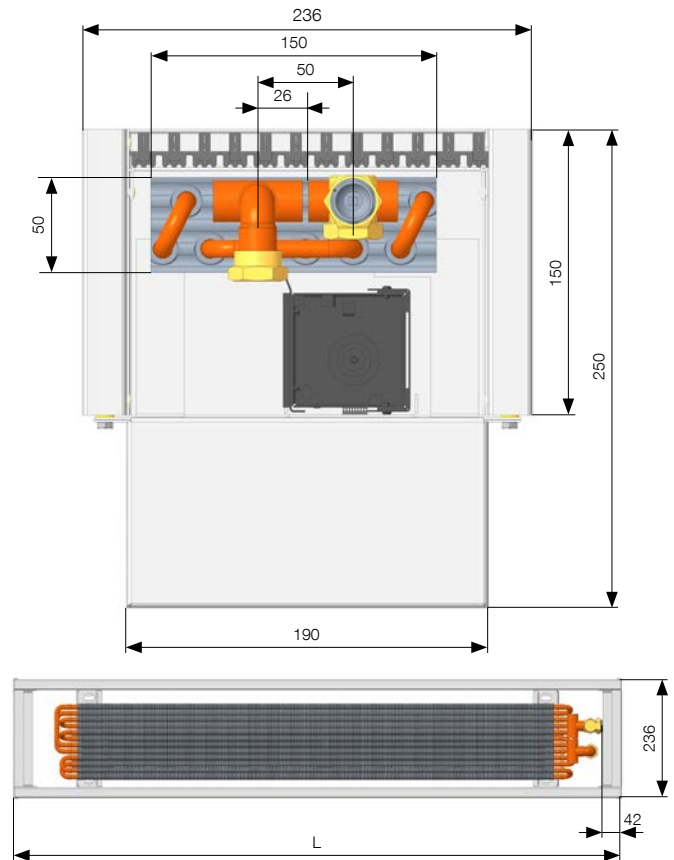
### Further information

Correction coefficient p. 91, Assembly p. 92,  
Regulation and accessories p. 93, Colour chart p. 109



## Specifications

<b>Height</b>	150 mm
<b>Width</b>	236 mm
<b>Length</b>	900, 1 200, 1 600, 2 000, 2 400, 2 800 mm
<b>Heat exchanger height</b>	50 mm
<b>Heat exchanger width</b>	150 mm
<b>Heat exchanger effective length</b>	L - 260 mm
<b>Fan impeller diameter</b>	40 mm
<b>Connecting thread</b>	2× G 1/2" inner
<b>Connection method</b>	lower only



## Heat outputs and technical data

Measurements in mm.

Width [mm]		240																											
Height [mm]		150																											
Total length [mm]		900				1 200				1 600				2 000				2 400				2 800							
Power input [W]		0	1	2	3	0	2	3	4	0	2	4	5	0	3	5	6	0	3	6	8	0	4	7	9				
Sound pressure 1 m [dB(A)]		0	19.8	27.6	30	0	20.1	28.3	31	0	21.2	29.5	32.4	0	21.9	30.5	33.5	0	22.4	31.3	34.5	0	22.7	31.9	35.3				
Sound power [dB(A)]		0	27.8	35.6	38	0	28.1	36.3	39	0	29.2	37.5	40.4	0	29.9	38.5	41.5	0	30.4	39.3	42.5	0	30.7	39.9	43.3				
Switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3				
Thermal Output		Heat outputs [W]/EN 442																											
t <sub>i</sub> [°C]																													
90/70 °C	20	313	1183	1508	1833	460	1738	2215	2692	655	2477	3157	3837	851	3216	4099	4982	1046	3956	5042	6128	1242	4695	5984	7273				
	18	271	1025	1307	1588	398	1506	1919	2333	568	2147	2736	3325	737	2788	3553	4318	907	3428	4370	5311	1076	4069	5186	6303				
75/65 °C	20	<b>261</b>	<b>986</b>	<b>1257</b>	<b>1527</b>	<b>383</b>	<b>1448</b>	<b>1846</b>	<b>2243</b>	<b>546</b>	<b>2064</b>	<b>2631</b>	<b>3197</b>	<b>709</b>	<b>2680</b>	<b>3416</b>	<b>4152</b>	<b>872</b>	<b>3297</b>	<b>4201</b>	<b>5106</b>	<b>1035</b>	<b>3913</b>	<b>4987</b>	<b>6061</b>				
	22	250	946	1206	1466	368	1390	1772	2153	524	1982	2526	3070	681	2573	3279	3986	837	3165	4033	4902	994	3756	4787	5818				
70/55 °C	18	232	877	1118	1359	341	1289	1642	1996	486	1837	2341	2846	631	2386	3040	3695	776	2934	3739	4545	921	3482	4438	5394				
	20	222	838	1068	1298	326	1231	1569	1907	464	1755	2236	2718	603	2278	2904	3529	741	2802	3571	4340	880	3326	4239	5152				
55/45 °C	22	211	799	1018	1237	310	1173	1495	1817	442	1672	2131	2590	574	2171	2767	3363	706	2670	3403	4136	838	3169	4039	4909				
	18	167	631	804	977	245	927	1181	1436	349	1321	1684	2046	454	1715	2186	2657	558	2110	2689	3268	662	2504	3192	3879				
50/40 °C	20	156	592	754	916	230	869	1107	1346	328	1239	1578	1918	425	1608	2050	2491	523	1978	2521	3064	621	2348	2992	3637				
	22	146	552	704	855	214	811	1033	1256	306	1156	1473	1791	397	1501	1913	2325	488	1846	2353	2860	580	2191	2793	3394				
45/35 °C	18	141	532	679	825	207	782	997	1211	295	1115	1421	1727	383	1447	1845	2242	471	1780	2269	2757	559	2113	2693	3273				
	20	130	493	628	764	192	724	923	1122	273	1032	1315	1599	354	1340	1708	2076	436	1648	2101	2553	517	1956	2493	3030				
45/35 °C	22	120	454	578	702	176	666	849	1032	251	950	1210	1471	326	1233	1571	1910	401	1516	1933	2349	476	1800	2294	2788				
	18	115	434	553	672	169	637	812	987	240	908	1158	1407	312	1179	1503	1827	384	1450	1849	2247	455	1722	2194	2667				
45/35 °C	20	104	394	503	611	153	579	738	897	218	826	1052	1279	284	1072	1366	1661	349	1319	1681	2043	414	1565	1995	2424				
	22	94	355	452	550	138	521	664	807	197	743	947	1151	255	965	1230	1495	314	1187	1513	1838	373	1409	1795	2182				

Temperature exponent m = 1

Measurements in mm.



KORALINE OLOC may not be used with floor-level bracket casing, wall or sub-floor brackets.

### Further information

Correction coefficient p. 91, Assembly p. 92,  
Regulation and accessories p. 93, Colour chart p. 109

# CORRECTION COEFFICIENT $kt$ FOR OTHER TEMPERATURE GRADIENTS $\Delta t$ [K]

## KORALINE OLOC 15/11, 15/18, 15/24

$\Delta t$ [K]	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
$kt$	0.360	0.380	0.400	0.420	0.440	0.460	0.480	0.500	0.520	0.540	0.560	0.580	0.600	0.620	0.640	0.660	0.680	0.700	0.720	0.740	0.760	0.780

$\Delta t$ [K]	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
$kt$	0.800	0.820	0.840	0.860	0.880	0.900	0.920	0.940	0.960	0.980	1.000	1.020	1.040	1.060	1.080	1.100	1.120	1.140	1.160	1.180	1.200

Temperature exponent  $m = 1$

## Free-standing convector weights and water volumes

KORALINE OLOC	15/11	15/18	15/24
[kg/m]	9.20	11.21	12.10
[l/m]	0.28	0.60	0.85

Weights shown not including packaging.

## Convector composition

- 1 silver elox aluminium grille
- 2 galvanized steel casing
- 3 Al/Cu heat exchanger
- 4 24 V DC fans
- 5 fan supports
- 6 floor-level brackets
- 7 connection terminals and electronic regulator FCR BOX
- 8 DIN 7981 screw
- 9 lockshield

- Standard contents
- Summary of optional KORALINE OLOC accessories, see p. 87



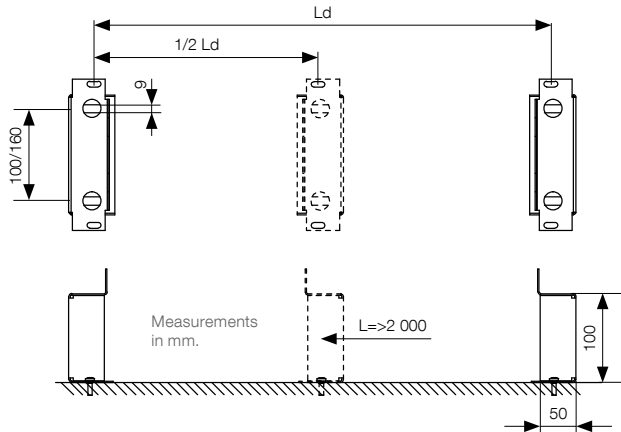
Regulation is not included as standard and must be ordered separately according to technical parameters.  
Regulation is identical for all OC system convectors with forced convection. For electrical regulation an control elements, see p. 93.

# OLOC FREE-STANDING CONVECTORS ASSEMBLY AND MOUNTING

## KORALINE OLOC assembly instructions (valid for all sizes)

Insert the fan bar into the bracket to establish the spacing for anchoring the bracket to the floor. The heat exchanger is then placed on the bracket and connected to the heating system. The heat exchangers must be bled. The fan sits on the fan support and is connected to

the FCR Box. The final step is to install the aluminium grille and attach it by screwing it to the brackets. The grille is removable for easy cleaning. Please refer to the installation instructions for more detailed information.



L = Convector length

Ld = L - 300 mm (for convectors up to 1 400 mm in length)

Ld = L - 400 mm (for convectors up to 2 000 mm in length)

Ld = L - 600 mm (for convectors up to 2 000 mm in length)



For KORALINE OLOC convectors over 2 000 mm in length, we recommend the use of a central bracket for increased stability.

## ORDER CODE

KORALINE	Forced convection	Length [cm]	Height [cm]	Width [cm]	Casing colour (RAL colour chart)	Grille colour	Heat exchanger colour	Electrical regulation	
OLOC	-	...	/	..	/	..	- 1 RAL 9016 9 other RAL colour	10 elox silver	1 without colour - RT standard

### Example order code: OLOC-200/15/18-1101-RT

KORALINE OLOC free-standing convector with fan, Length 200 cm, Height 15 cm, Width 18 cm, Steel casing white RAL 9016, Aluminium silver elox grille, non-lacquered heat exchanger.

