PURMO
POLAND 2013

Technical catalogue

Aura convectors

°CLEVER
LOW TEMPERATURE RADIATORS

PURMO
clever heating solutions

convectors

type review 3

Aura Comfort ..... NEW 4

Aura Basic ..... NEW 12

Aura Bench ..... NEW 20

Aura Slim Comfort ..... NEW 26

Aura Slim Basic ..... NEW 36

how to mount our convectors 46

non-standard versions 49

hydraulic characteristics 50

operation and maintenance 51

conversion table 52

accessories 53

Aura convectors - terms of warranty 54

Type review

convectors

type examples

Aura Comfort

(floor mounted version)

2 connections

height [mm]:	90, 140, 240, 2800
width [mm]:	96, 146, 186, 236
overall length [mm]:	from 600 up to 2900

Aura Basic

(floor mounted version)

2 connections

height [mm]:	90, 140, 240, 280
width [mm]:	146, 186, 236
overall length [mm]:	from 600 up to 2900

Aura Bench

(floor mounted version with wooden bench)

2 connections

height [mm]:	140, 240, 280
width [mm]:	146, 186, 236
overall length [mm]:	from 800 up to 2200

Aura Slim Comfort

(wall mounted version)

2 connections

height [mm]:	140, 240, 280, 350, 500, 650
width [mm]:	80, 130, 180, 230
overall length [mm]:	from 400 up to 2000

Aura Slim Basic

(wall mounted version)

2 connections

height [mm]:	140, 240, 280, 350, 500, 650
width [mm]:	80, 130, 180, 230
overall length [mm]:	from 400 up to 2000

NEW

Aura Comfort

Aura Comfort convectors offer universal usage in office buildings, winter gardens or shop windows, particularly in rooms with huge glazed spaces. The heat exchanger from copper and aluminum has been put into a steel sheating with the duralumin grid. Sheating of Aura convectors is not directly heated by heating water so it effectively protects from energy losses by radiation against glazed surfaces and consequently reduces operating costs. The set is to be floor- mounted with the use of aesthetic mounting brackets. Aura Comfort convectors are produced in 265 standard dimensional types.

technical specification

• Width :	96, 146, 186, 236 mm
• Length :	from 600 up to 2900 mm
• Height :	90, 140, 240, 280 mm
• Connections :	2 x G ½" - internal thread
• Operating pressure :	10 bar
• Max. temperature :	110 °C
• Test pressure :	13 bar

• Accessories bundled with the radiator :
- corrosion-resistant, laminated heat exchanger of Cu/Al with low content of water terminated with two inlets with G ½" by internal thread
- sheathing with longitudinal duralumin
- brackets enabling fitting to complete or unfinished floor
- air-vent valve

steel sheating with duralumin grid and brackets are equipped with painting powder colour in RAL 9016

connection from the right side (in case of requirement for the connection from the left side, this must be stated in the order)

• Accessories bundled with the radiator optionally :
- regulatory features at the side of the water – thermostatic valve and lockable and regulatory screwing
- thermostatic head
- varnishing of sheathing and other components in a different colour shade than the white RAL 9016
- varnished exchanger
- covers for mounting brackets.

side views

h *- distance to the floor*

h = 100 mm for WKF version (to the finished floor)
h = 100 - 235 mm for WKH version (to the rough floor)

Aura Comfort

Construction of Aura Comfort convector

1 - Grid of the convector – longitudinal duralumin
2 - Sheathing of convector
3 - The heat exchanger of Cu/Al
4 - Automatic air-vent valve
5 - Brackets

Aura Comfort convector
– longitudinal duralumin grid.

weight and water volume

height	[mm]	90			140				240				280			
width	[mm]	96	146	236	96	146	186	236	96	146	186	236	96	146	186	236
weight WKF	[kg/m]	7.1	8.4	10.9	9.0	10.9	12.6	14.4	12.3	14.0	15.8	17.7	13.5	15.2	17.1	19.1
weight WKH	[kg/m]	10.7	11.4	13.7	12.2	13.9	15.5	17.2	15.4	17.0	18.7	20.5	16.6	18.2	20.0	21.8
water volume	[l/m]	0.2	0.4	0.8	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

Aura Comfort - *height 90 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKF 09 100 14 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]		
		96	146	236
600	**75/65/20**	**109**	**245**	**549**
	70/55/20	86	194	435
	55/45/20	54	121	271
700	**75/65/20**	**128**	**286**	**640**
	70/55/20	101	227	507
	55/45/20	63	141	316
800	**75/65/20**	**145**	**326**	**732**
	70/55/20	115	259	580
	55/45/20	72	161	361
900	**75/65/20**	**164**	**368**	**824**
	70/55/20	130	292	653
	55/45/20	81	182	407
1000	**75/65/20**	**182**	**408**	**915**
	70/55/20	144	324	726
	55/45/20	90	201	451
1100	**75/65/20**	**200**	**449**	**1006**
	70/55/20	159	356	798
	55/45/20	99	222	496
1200	**75/65/20**	**219**	**490**	**1098**
	70/55/20	174	389	871
	55/45/20	108	242	542
1300	**75/65/20**	**237**	**531**	**1190**
	70/55/20	188	421	944
	55/45/20	117	262	587
1400	**75/65/20**	**255**	**571**	**1281**
	70/55/20	202	453	1016
	55/45/20	126	282	632
1500	**75/65/20**	**273**	**612**	**1373**
	70/55/20	216	485	1089
	55/45/20	135	302	677
1600	**75/65/20**	**291**	**653**	**1464**
	70/55/20	231	518	1161
	55/45/20	144	322	722
1800	**75/65/20**	**327**	**734**	**1646**
	70/55/20	259	582	1305
	55/45/20	161	362	812
2000	**75/65/20**	**364**	**816**	**1830**
	70/55/20	289	647	1451
	55/45/20	180	403	903
2200	**75/65/20**		**898**	**2013**
	70/55/20		712	1596
	55/45/20		443	993
2400	**75/65/20**		**979**	**2196**
	70/55/20		776	1741
	55/45/20		483	1083
2600	**75/65/20**		**1061**	**2379**
	70/55/20		841	1886
	55/45/20		523	1174
2800	**75/65/20**		**1176**	**2604**
	70/55/20		933	2065
	55/45/20		580	1285
2900	**75/65/20**		**1233**	**2764**
	70/55/20		978	2192
	55/45/20		608	1364

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

convectors

Aura Comfort - *height 140 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKF 14 100 19 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		96	146	186	236
600	**75/65/20**	**197**	**379**	**554**	**722**
	70/55/20	156	301	439	573
	55/45/20	97	187	273	356
700	**75/65/20**	**229**	**442**	**647**	**842**
	70/55/20	182	350	513	668
	55/45/20	113	218	319	415
800	**75/65/20**	**262**	**506**	**739**	**963**
	70/55/20	208	401	586	764
	55/45/20	129	250	365	475
900	**75/65/20**	**295**	**569**	**832**	**1083**
	70/55/20	234	451	660	859
	55/45/20	146	281	410	534
1000	**75/65/20**	**328**	**632**	**924**	**1203**
	70/55/20	260	501	733	954
	55/45/20	162	312	456	594
1100	**75/65/20**	**360**	**695**	**1016**	**1324**
	70/55/20	285	551	806	1050
	55/45/20	178	343	501	653
1200	**75/65/20**	**393**	**758**	**1108**	**1444**
	70/55/20	312	601	879	1145
	55/45/20	194	374	547	712
1300	**75/65/20**	**431**	**834**	**1220**	**1591**
	70/55/20	342	661	967	1262
	55/45/20	213	411	602	785
1400	**75/65/20**	**469**	**909**	**1332**	**1737**
	70/55/20	372	721	1056	1377
	55/45/20	231	448	657	857
1500	**75/65/20**	**507**	**985**	**1444**	**1884**
	70/55/20	402	781	1145	1494
	55/45/20	250	486	712	929
1600	**75/65/20**	**544**	**1060**	**1556**	**2030**
	70/55/20	431	841	1234	1610
	55/45/20	268	523	768	1002
1800	**75/65/20**	**619**	**1211**	**1779**	**2322**
	70/55/20	491	960	1411	1841
	55/45/20	305	597	878	1146
2000	**75/65/20**	**695**	**1363**	**2003**	**2615**
	70/55/20	551	1081	1588	2074
	55/45/20	343	672	988	1290
2200	**75/65/20**	**770**	**1514**	**2227**	**2908**
	70/55/20	611	1201	1766	2306
	55/45/20	380	747	1099	1435
2400	**75/65/20**	**847**	**1666**	**2451**	**3200**
	70/55/20	672	1321	1944	2537
	55/45/20	418	822	1209	1579
2600	**75/65/20**	**925**	**1818**	**2675**	**3493**
	70/55/20	733	1442	2121	2770
	55/45/20	456	897	1320	1723
2800	**75/65/20**	**1008**	**1988**	**2912**	**3780**
	70/55/20	799	1576	2309	2997
	55/45/20	497	981	1437	1865
2900	**75/65/20**	**1041**	**2047**	**3010**	**3931**
	70/55/20	825	1623	2387	3117
	55/45/20	514	1010	1485	1939

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Comfort - *height 240 mm*

convectors

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKF 24 100 19 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		96	146	186	236
600	**75/65/20**	**268**	**515**	**753**	**982**
	70/55/20	213	408	597	779
	55/45/20	132	254	371	484
700	**75/65/20**	**311**	**601**	**880**	**1145**
	70/55/20	247	477	698	908
	55/45/20	153	297	434	565
800	**75/65/20**	**356**	**688**	**1005**	**1310**
	70/55/20	282	546	797	1039
	55/45/20	176	339	496	646
900	**75/65/20**	**401**	**774**	**1132**	**1473**
	70/55/20	318	614	898	1168
	55/45/20	198	382	558	727
1000	**75/65/20**	**446**	**860**	**1257**	**1636**
	70/55/20	354	682	997	1297
	55/45/20	220	424	620	807
1100	**75/65/20**	**490**	**945**	**1382**	**1801**
	70/55/20	389	749	1096	1428
	55/45/20	242	466	682	889
1200	**75/65/20**	**534**	**1031**	**1508**	**1964**
	70/55/20	423	818	1196	1557
	55/45/20	263	509	744	969
1300	**75/65/20**	**586**	**1134**	**1660**	**2163**
	70/55/20	465	899	1316	1715
	55/45/20	289	559	819	1067
1400	**75/65/20**	**638**	**1237**	**1812**	**2362**
	70/55/20	506	981	1437	1873
	55/45/20	315	610	894	1165
1500	**75/65/20**	**689**	**1340**	**1964**	**2562**
	70/55/20	546	1063	1557	2032
	55/45/20	340	661	969	1264
1600	**75/65/20**	**740**	**1443**	**2116**	**2761**
	70/55/20	587	1144	1678	2189
	55/45/20	365	712	1044	1362
1800	**75/65/20**	**842**	**1648**	**2420**	**3158**
	70/55/20	668	1307	1919	2504
	55/45/20	415	813	1194	1558
2000	**75/65/20**	**945**	**1854**	**2724**	**3556**
	70/55/20	749	1470	2160	2820
	55/45/20	466	915	1344	1754
2200	**75/65/20**	**1047**	**2059**	**3029**	**3955**
	70/55/20	830	1633	2402	3136
	55/45/20	517	1016	1494	1951
2400	**75/65/20**	**1152**	**2266**	**3333**	**4352**
	70/55/20	913	1797	2643	3451
	55/45/20	568	1118	1644	2147
2600	**75/65/20**	**1258**	**2473**	**3638**	**4750**
	70/55/20	998	1961	2885	3767
	55/45/20	621	1220	1795	2343
2800	**75/65/20**	**1372**	**2688**	**3953**	**5162**
	70/55/20	1088	2131	3135	4093
	55/45/20	677	1326	1950	2547
2900	**75/65/20**	**1416**	**2784**	**4094**	**5346**
	70/55/20	1123	2208	3246	4239
	55/45/20	699	1373	2020	2637

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Comfort - *height 280 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKF 28 100 19 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		96	146	186	236
600	**75/65/20**	**290**	**557**	**814**	**1061**
	70/55/20	230	442	645	841
	55/45/20	143	275	402	523
700	**75/65/20**	**337**	**650**	**951**	**1238**
	70/55/20	267	515	754	982
	55/45/20	166	321	469	611
800	**75/65/20**	**385**	**744**	**1086**	**1416**
	70/55/20	305	590	861	1123
	55/45/20	190	367	536	699
900	**75/65/20**	**434**	**836**	**1223**	**1592**
	70/55/20	344	663	970	1262
	55/45/20	214	412	603	785
1000	**75/65/20**	**482**	**929**	**1358**	**1768**
	70/55/20	382	737	1077	1402
	55/45/20	238	458	670	872
1100	**75/65/20**	**529**	**1022**	**1494**	**1946**
	70/55/20	419	810	1185	1543
	55/45/20	261	504	737	960
1200	**75/65/20**	**578**	**1115**	**1630**	**2123**
	70/55/20	458	884	1293	1683
	55/45/20	285	550	804	1047
1300	**75/65/20**	**634**	**1226**	**1795**	**2338**
	70/55/20	503	972	1423	1854
	55/45/20	313	605	886	1153
1400	**75/65/20**	**689**	**1337**	**1959**	**2553**
	70/55/20	546	1060	1553	2024
	55/45/20	340	660	966	1260
1500	**75/65/20**	**745**	**1448**	**2123**	**2769**
	70/55/20	591	1148	1683	2196
	55/45/20	368	714	1047	1366
1600	**75/65/20**	**800**	**1559**	**2287**	**2984**
	70/55/20	634	1236	1814	2366
	55/45/20	395	769	1128	1472
1800	**75/65/20**	**910**	**1782**	**2616**	**3413**
	70/55/20	722	1413	2074	2706
	55/45/20	449	879	1291	1684
2000	**75/65/20**	**1022**	**2004**	**2945**	**3844**
	70/55/20	810	1589	2335	3048
	55/45/20	504	989	1453	1896
2200	**75/65/20**	**1132**	**2226**	**3274**	**4275**
	70/55/20	898	1765	2596	3390
	55/45/20	558	1098	1615	2109
2400	**75/65/20**	**1245**	**2449**	**3603**	**4704**
	70/55/20	987	1942	2857	3730
	55/45/20	614	1208	1778	2321
2600	**75/65/20**	**1360**	**2673**	**3932**	**5135**
	70/55/20	1078	2120	3118	4072
	55/45/20	671	1319	1940	2533
2800	**75/65/20**	**1477**	**2905**	**4272**	**5580**
	70/55/20	1171	2304	3388	4425
	55/45/20	729	1433	2108	2753
2900	**75/65/20**	**1530**	**3009**	**4425**	**5779**
	70/55/20	1213	2386	3509	4583
	55/45/20	755	1484	2183	2851

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Comfort - *installation of convector*

WKF

WKH

WKF convector with WZA frame

NOTE:
For convectors with brackets to the finished floor (WKF) an additional frame (WZA) can be ordered to protect the connection of installation. Applicable for convectors of the width of 146, 186 and 236 mm

Note:
Strong bracket for the installation to clean floors (WKF). Height-adjustable bracket for the installation to rough floors (WKH)).

Number of brackets:
Length from 600 up to 1600 mm: 2 pieces
Length from 1800 up to 2900 mm: 3 pieces
Non-standard brackets upon request
The illustration of brackets is only schematic

Optional accessories see page 53

Correction factor for the recount of heat output
Tables with correction factors for the recount of heat output see page 52.

Pressure drop
Diagrams of Pressure drop of exchanger for convectors see page 50.

description code

type		height		length		width		convector colour
WKF – Aura Comfort to finished floor WKH – Aura Comfort to rough floor	-	09 = 90 mm 14 = 140 mm 24 = 240 mm 28 = 280 mm	-	060 = 600 mm : : 290 = 2900 mm	-	09 = 96 mm 14 = 146 mm 19 = 186 mm 24 = 236 mm	-	00 = RAL 9016 0R.... = another RAL 0S.... = special colour

Example: Convector Aura Comfort, type WKF, brackets to the finished floor, height 240 mm, length 1800 mm, width 146 mm, colour RAL 9016

WKF	-	24	-	180	-	14	-	00

Convector description: WKF-24-180-14-00

NEW

Aura Basic

Aura Basic convectors offer universal usage in office buildings, winter gardens or shop windows, particularly in rooms with huge glazed spaces. The heat exchanger from copper and aluminum has been put into a steel sheating with the steel die –cut grid. Sheating of Aura convectors is not directly heated by heating water so it effectively protects from energy losses by radiation against glazed surfaces and consequently reduces operating costs. The set is to be floor- mounted with the use of aesthetic mounting brackets. Aura Basic convectors are produced in 198 standard dimensional types.

technical specification

• Width :	146, 186, 236 mm
• Length :	from 600 up to 2900 mm
• Height :	90, 140, 240, 280 mm
• Connections :	2 x G ½" - internal thread
• Operating pressure :	10 bar
• Max. temperature :	110 °C
• Test pressure :	13 bar

• Accessories bundled with the radiator :
- corrosion-resistant, laminated heat exchanger of Cu/Al with low content of water terminated with two inlets with G ½" by internal thread
- sheathing with steel die-cut grid
- brackets enabling fitting to complete or unfinished floor
- air-vent valve

steel sheating with duralumin grid and brackets are equipped with painting powder colour in RAL 9016

connection from the right side (in case of requirement for the connection from the left side, this must be stated in the order)

• Accessories bundled with the radiator optionally :
- regulatory features at the side of the water – thermostatic valve and lockable and regulatory screwing
- thermostatic head
- varnishing of sheathing and other components in a different colour shade than the white RAL 9016
- varnished exchanger
- covers for mounting brackets.

side views

h *- distance to the floor*

h = 100 mm for WKF version (to the finished floor)
h = 100 - 235 mm for WKH version (to the rough floor)

Aura Basic

Construction of Aura Basic

1 - Grid of the convector – steel die-cut
2 - Sheathing of convector
3 - The heat exchanger of Cu/Al
4 - Automatic air-vent valve
5 - Brackets

Aura Basic convector
steel die-cut grid powder painted

weight and water volume

height	[mm]	90		140			240			280		
width	[mm]	146	236	146	186	236	146	186	236	146	186	236
weight WBF	[kg/m]	8.3	10.4	10.9	12.4	14.0	14.0	15.6	17.3	15.2	16.8	18.6
weight WBH	[kg/m]	11.3	13.1	13.9	15.3	16.8	17.0	18.4	20.1	18.2	19.7	21.4
water volume	[l/m]	0.4	0.8	0.7	1.1	1.5	0.7	1.1	1.5	0.7	1.1	1.5

Aura Basic - *height 90 mm*

convectors

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBF 09 100 14 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters $t_z / t_p / t_i$ [°C]	B - width [mm]	
		146	236
600	**75/65/20**	**245**	**549**
	70/55/20	194	435
	55/45/20	121	271
700	**75/65/20**	**286**	**640**
	70/55/20	227	507
	55/45/20	141	316
800	**75/65/20**	**326**	**732**
	70/55/20	259	580
	55/45/20	161	361
900	**75/65/20**	**368**	**824**
	70/55/20	292	653
	55/45/20	182	407
1000	**75/65/20**	**408**	**915**
	70/55/20	324	726
	55/45/20	201	451
1100	**75/65/20**	**449**	**1006**
	70/55/20	356	798
	55/45/20	222	496
1200	**75/65/20**	**490**	**1098**
	70/55/20	389	871
	55/45/20	242	542
1300	**75/65/20**	**531**	**1190**
	70/55/20	421	944
	55/45/20	262	587
1400	**75/65/20**	**571**	**1281**
	70/55/20	453	1016
	55/45/20	282	632
1500	**75/65/20**	**612**	**1373**
	70/55/20	485	1089
	55/45/20	302	677
1600	**75/65/20**	**653**	**1464**
	70/55/20	518	1161
	55/45/20	322	722
1800	**75/65/20**	**734**	**1646**
	70/55/20	582	1305
	55/45/20	362	812
2000	**75/65/20**	**816**	**1830**
	70/55/20	647	1451
	55/45/20	403	903
2200	**75/65/20**	**898**	**2013**
	70/55/20	712	1596
	55/45/20	443	993
2400	**75/65/20**	**979**	**2196**
	70/55/20	776	1741
	55/45/20	483	1083
2600	**75/65/20**	**1061**	**2379**
	70/55/20	841	1886
	55/45/20	523	1174
2800	**75/65/20**	**1176**	**2604**
	70/55/20	933	2065
	55/45/20	580	1285
2900	**75/65/20**	**1233**	**2764**
	70/55/20	978	2192
	55/45/20	608	1364

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Basic - *height 140 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBF 14 100 14 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]		
		146	186	236
600	**75/65/20**	**379**	**554**	**722**
	70/55/20	301	439	573
	55/45/20	187	273	356
700	**75/65/20**	**442**	**647**	**842**
	70/55/20	350	513	668
	55/45/20	218	319	415
800	**75/65/20**	**506**	**739**	**963**
	70/55/20	401	586	764
	55/45/20	250	365	475
900	**75/65/20**	**569**	**832**	**1083**
	70/55/20	451	660	859
	55/45/20	281	410	534
1000	**75/65/20**	**632**	**924**	**1203**
	70/55/20	501	733	954
	55/45/20	312	456	594
1100	**75/65/20**	**695**	**1016**	**1324**
	70/55/20	551	806	1050
	55/45/20	343	501	653
1200	**75/65/20**	**758**	**1108**	**1444**
	70/55/20	601	879	1145
	55/45/20	374	547	712
1300	**75/65/20**	**834**	**1220**	**1591**
	70/55/20	661	967	1262
	55/45/20	411	602	785
1400	**75/65/20**	**909**	**1332**	**1737**
	70/55/20	721	1056	1377
	55/45/20	448	657	857
1500	**75/65/20**	**985**	**1444**	**1884**
	70/55/20	781	1145	1494
	55/45/20	486	712	929
1600	**75/65/20**	**1060**	**1556**	**2030**
	70/55/20	841	1234	1610
	55/45/20	523	768	1002
1800	**75/65/20**	**1211**	**1779**	**2322**
	70/55/20	960	1411	1841
	55/45/20	597	878	1146
2000	**75/65/20**	**1363**	**2003**	**2615**
	70/55/20	1081	1588	2074
	55/45/20	672	988	1290
2200	**75/65/20**	**1514**	**2227**	**2908**
	70/55/20	1201	1766	2306
	55/45/20	747	1099	1435
2400	**75/65/20**	**1666**	**2451**	**3200**
	70/55/20	1321	1944	2537
	55/45/20	822	1209	1579
2600	**75/65/20**	**1818**	**2675**	**3493**
	70/55/20	1442	2121	2770
	55/45/20	897	1320	1723
2800	**75/65/20**	**1988**	**2912**	**3780**
	70/55/20	1576	2309	2997
	55/45/20	981	1437	1865
2900	**75/65/20**	**2047**	**3010**	**3931**
	70/55/20	1623	2387	3117
	55/45/20	1010	1485	1939

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Basic - *height 240 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBF 24 100 14 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]		
		146	186	236
600	**75/65/20**	**515**	**753**	**982**
	70/55/20	408	597	779
	55/45/20	254	371	484
700	**75/65/20**	**601**	**880**	**1145**
	70/55/20	477	698	908
	55/45/20	297	434	565
800	**75/65/20**	**688**	**1005**	**1310**
	70/55/20	546	797	1039
	55/45/20	339	496	646
900	**75/65/20**	**774**	**1132**	**1473**
	70/55/20	614	898	1168
	55/45/20	382	558	727
1000	**75/65/20**	**860**	**1257**	**1636**
	70/55/20	682	997	1297
	55/45/20	424	620	807
1100	**75/65/20**	**945**	**1382**	**1801**
	70/55/20	749	1096	1428
	55/45/20	466	682	889
1200	**75/65/20**	**1031**	**1508**	**1964**
	70/55/20	818	1196	1557
	55/45/20	509	744	969
1300	**75/65/20**	**1134**	**1660**	**2163**
	70/55/20	899	1316	1715
	55/45/20	559	819	1067
1400	**75/65/20**	**1237**	**1812**	**2362**
	70/55/20	981	1437	1873
	55/45/20	610	894	1165
1500	**75/65/20**	**1340**	**1964**	**2562**
	70/55/20	1063	1557	2032
	55/45/20	661	969	1264
1600	**75/65/20**	**1443**	**2116**	**2761**
	70/55/20	1144	1678	2189
	55/45/20	712	1044	1362
1800	**75/65/20**	**1648**	**2420**	**3158**
	70/55/20	1307	1919	2504
	55/45/20	813	1194	1558
2000	**75/65/20**	**1854**	**2724**	**3556**
	70/55/20	1470	2160	2820
	55/45/20	915	1344	1754
2200	**75/65/20**	**2059**	**3029**	**3955**
	70/55/20	1633	2402	3136
	55/45/20	1016	1494	1951
2400	**75/65/20**	**2266**	**3333**	**4352**
	70/55/20	1797	2643	3451
	55/45/20	1118	1644	2147
2600	**75/65/20**	**2473**	**3638**	**4750**
	70/55/20	1961	2885	3767
	55/45/20	1220	1795	2343
2800	**75/65/20**	**2688**	**3953**	**5162**
	70/55/20	2131	3135	4093
	55/45/20	1326	1950	2547
2900	**75/65/20**	**2784**	**4094**	**5346**
	70/55/20	2208	3246	4239
	55/45/20	1373	2020	2637

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Basic - *height 280 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBF 28 100 14 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]		
		146	186	236
600	**75/65/20**	**557**	**814**	**1061**
	70/55/20	442	645	841
	55/45/20	275	402	523
700	**75/65/20**	**650**	**951**	**1238**
	70/55/20	515	754	982
	55/45/20	321	469	611
800	**75/65/20**	**744**	**1086**	**1416**
	70/55/20	590	861	1123
	55/45/20	367	536	699
900	**75/65/20**	**836**	**1223**	**1592**
	70/55/20	663	970	1262
	55/45/20	412	603	785
1000	**75/65/20**	**929**	**1358**	**1768**
	70/55/20	737	1077	1402
	55/45/20	458	670	872
1100	**75/65/20**	**1022**	**1494**	**1946**
	70/55/20	810	1185	1543
	55/45/20	504	737	960
1200	**75/65/20**	**1115**	**1630**	**2123**
	70/55/20	884	1293	1683
	55/45/20	550	804	1047
1300	**75/65/20**	**1226**	**1795**	**2338**
	70/55/20	972	1423	1854
	55/45/20	605	886	1153
1400	**75/65/20**	**1337**	**1959**	**2553**
	70/55/20	1060	1553	2024
	55/45/20	660	966	1260
1500	**75/65/20**	**1448**	**2123**	**2769**
	70/55/20	1148	1683	2196
	55/45/20	714	1047	1366
1600	**75/65/20**	**1559**	**2287**	**2984**
	70/55/20	1236	1814	2366
	55/45/20	769	1128	1472
1800	**75/65/20**	**1782**	**2616**	**3413**
	70/55/20	1413	2074	2706
	55/45/20	879	1291	1684
2000	**75/65/20**	**2004**	**2945**	**3844**
	70/55/20	1589	2335	3048
	55/45/20	989	1453	1896
2200	**75/65/20**	**2226**	**3274**	**4275**
	70/55/20	1765	2596	3390
	55/45/20	1098	1615	2109
2400	**75/65/20**	**2449**	**3603**	**4704**
	70/55/20	1942	2857	3730
	55/45/20	1208	1778	2321
2600	**75/65/20**	**2673**	**3932**	**5135**
	70/55/20	2120	3118	4072
	55/45/20	1319	1940	2533
2800	**75/65/20**	**2905**	**4272**	**5580**
	70/55/20	2304	3388	4425
	55/45/20	1433	2108	2753
2900	**75/65/20**	**3009**	**4425**	**5779**
	70/55/20	2386	3509	4583
	55/45/20	1484	2183	2851

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Basic - *installation of convector*

WBF

WBH

WBF convector with WZA frame

NOTE:
For convectors with brackets to the finished floor (WBF) an additional frame (WZA) can be ordered to protect the connection of installation. Applicable for convectors of the width of 146, 186 and 236 mm

Note:
Strong bracket for the installation to finished floor (WBF). Height-adjustable bracket for the installation to rough floors (WBH).

Number of brackets:
Length from 600 up to 1600 mm: 2 pieces
Length from 1800 up to 2900 mm: 3 pieces
Non-standard brackets upon request
The illustration of brackets is only schematic

Optional accessories see page 53

Correction factor for the recount of heat output
Tables with correction factors for the recount of heat output see page 52.

Pressure drop
Diagrams of Pressure drop of exchanger for convectors see page 50.

description code

type		height		length		width		convector colour
WBF - Aura Basic to finished floor WBH - Aura Basic to rough floor	-	09 = 90 mm 14 = 140 mm 24 = 240 mm 28 = 280 mm	-	060 = 600 mm : : 290 = 2900 mm	-	14 = 146 mm 19 = 186 mm 24 = 236 mm	-	00 = RAL 9016 0R.... = another RAL 0S.... = special colour

Example: Convector Aura Basic, type WBF, brackets to the finished floor, height 240 mm, length 1800 mm, width 146 mm, colour RAL 9016

WBF	-	24	-	180	-	14	-	00

Convector description: WBF-24-180-14-00

NEW

Aura Bench

Aura Bench convectors are available with brackets to finished floor. The supply includes brackets for the pew board. It is necessary to order the pew board separately.

Material – beech flat varnish. Other materials or implementations available upon request.
Length and width of the pew board in the ordering code is consistent with the length and width of the convector.

technical specification

• Width :	146, 186, 236 mm
• Length :	from 800 up to 2200 mm
• Height :	140, 240, 280 mm
• Connections :	2 x G ½" - internal thread
• Operating pressure :	10 bar
• Max. temperature :	110 °C
• Test pressure :	13 bar

side views (without bench)

bench dimentions

Bench length = convector length + 60 mm
Bench width = convector width + 60 mm
Bench thickness = 30 mm

Aura Bench

Construction of Aura Bench

1 - Wooden bench made of beech (WZD)
2 - Supports of the bench
3 - Grid of the convector – steel die-cut
4 - Sheathing of convector
5 - The heat exchanger of Cu/Al
6 - Automatic air-vent valve
7 - Brackets to the finished floor

weight and water volume

height	[mm]	140			240			280		
width	[mm]	146	186	236	146	186	236	146	186	236
convector WDF weight	[kg/m]	11.5	13.3	15.2	14.6	16.5	18.5	15.9	17.8	19.8
bench WZD weight	[kg/m]	4.3	5.3	6.4	4.3	5.3	6.4	4.3	5.3	6.4
water volume	[l/m]	0.7	1.1	1.5	0.7	1.1	1.5	0.7	1.1	1.5

Aura Bench *- height 140 mm*

convectors

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WDF 14 100 14 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]		
		146	**186**	**236**
800	**75/65/20**	**506**	**739**	**963**
	70/55/20	401	586	764
	55/45/20	250	365	475
1000	**75/65/20**	**632**	**924**	**1203**
	70/55/20	501	733	954
	55/45/20	312	456	594
1200	**75/65/20**	**758**	**1108**	**1444**
	70/55/20	601	879	1145
	55/45/20	374	547	712
1400	**75/65/20**	**909**	**1332**	**1737**
	70/55/20	721	1056	1377
	55/45/20	448	657	857
1600	**75/65/20**	**1060**	**1556**	**2030**
	70/55/20	841	1234	1610
	55/45/20	523	768	1002
2000	**75/65/20**	**1363**	**2003**	**2615**
	70/55/20	1081	1588	2074
	55/45/20	672	988	1290
2200	**75/65/20**	**1514**	**2227**	**2908**
	70/55/20	1201	1766	2306
	55/45/20	747	1099	1435

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Bench - *height 240 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WDF 24 100 14 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]		
		146	**186**	**236**
800	**75/65/20**	**688**	**1005**	**1310**
	70/55/20	546	797	1039
	55/45/20	339	496	646
1000	**75/65/20**	**860**	**1257**	**1636**
	70/55/20	682	997	1297
	55/45/20	424	620	807
1200	**75/65/20**	**1031**	**1508**	**1964**
	70/55/20	818	1196	1557
	55/45/20	509	744	969
1400	**75/65/20**	**1237**	**1812**	**2362**
	70/55/20	981	1437	1873
	55/45/20	610	894	1165
1600	**75/65/20**	**1443**	**2116**	**2761**
	70/55/20	1144	1678	2189
	55/45/20	712	1044	1362
2000	**75/65/20**	**1854**	**2724**	**3556**
	70/55/20	1470	2160	2820
	55/45/20	915	1344	1754
2200	**75/65/20**	**2059**	**3029**	**3955**
	70/55/20	1633	2402	3136
	55/45/20	1016	1494	1951

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Bench *- height 280 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WDF 28 100 14 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]		
		146	186	236
800	**75/65/20**	**744**	**1086**	**1416**
	70/55/20	590	861	1123
	55/45/20	367	536	699
1000	**75/65/20**	**929**	**1358**	**1768**
	70/55/20	737	1077	1402
	55/45/20	458	670	872
1200	**75/65/20**	**1115**	**1630**	**2123**
	70/55/20	884	1293	1683
	55/45/20	550	804	1047
1400	**75/65/20**	**1337**	**1959**	**2553**
	70/55/20	1060	1553	2024
	55/45/20	660	966	1260
1600	**75/65/20**	**1559**	**2287**	**2984**
	70/55/20	1236	1814	2366
	55/45/20	769	1128	1472
2000	**75/65/20**	**2004**	**2945**	**3844**
	70/55/20	1589	2335	3048
	55/45/20	989	1453	1896
2200	**75/65/20**	**2226**	**3274**	**4275**
	70/55/20	1765	2596	3390
	55/45/20	1098	1615	2109

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Optional accessories see page 53
Correction factor for the recount of heat output
Tables with correction factors for the recount of heat output see page 52.
Pressure drop
Diagrams of Pressure drop of exchanger for convectors see page 50.

description code

type		height		length		width		convector colour
WDF – Aura with wooden bench for mounting to the finished floor	-	14 = 140 mm 24 = 240 mm 28 = 280 mm	-	080 = 800 mm : 220 = 2200 mm	-	14 = 146 mm 19 = 186 mm 24 = 236 mm		00 = RAL 9016 0R.... = another RAL 0S.... = special colour

Example: Convector Aura Bench, type WDF for the finished floor, height 240 mm, length 1800 mm, width 146 mm, colour RAL 9016.

WDF	-	24	-	180	-	14	00

Convector description: WDF-24-180-14-00

type		height		length		material
WZD – wooden bench	-	14 = 146 mm 19 = 186 mm 24 = 236 mm	-	080 = 800 mm : 220 = 2200 mm	-	01 –beech flat varnish

Example: wooden bench (WZD) width 146 mm, length 1800 mm, material – beech fl at varnish

WZD	-	14	-	180	-	01

Bench description: WZD-14-180-01

NEW

Aura Slim Comfort

Wall –mounted Aura Slim convectors supplement in an optimum way the basic range of the onfloor Aura and trench convectors Aquilo. The universal product is also suitable for separate wall-mounted installation.
Aura Slim flat convectors meet the contradictory requirements for minimal dimensions, maximal output and amiable construction as for design.
The conception of Aura Slim convectors is built on implementation of steel sheating and grid with heat exchanger from copper and aluminum similar to those applied in the onfloor Aura convectors.
The basic colour version makes it possible for the body to adapt easily into its environment while the optional non-standard colourful version helps to emphasize the body and makes it an integral part of the interior. The modest and aesthetic design of the body is the principal prerequisite for the installation in private as well as public interiors, in the rooms of standard size as well as in vast spaces.
Aura Slim Comfort convectors are produced in 360 standard dimensional types.

technical specification

• Width :	80, 130, 180, 230 mm
• Length :	from 400 up to 2000 mm
• Height :	140, 240, 280, 350, 500, 650 mm
• Connections :	2 x G ½" - internal thread
• Operating pressure :	10 bar
• Max. temperature :	110 °C
• Test pressure :	13 bar

- Accessories bundled with the radiator :
  - the corrosion-resistant, laminated heat exchanger Cu/Al with low water content terminated with two inlets with G1/2 " by internal thread and connecting pitch of 50 mm
  - sheathing with longitudinal duralumin
  - brackets enabling assembly to the wall
  - air-vent valve

  steel sheating with duralumin grid and brackets are equipped with painting powder colour in RAL 9016

  connection from the right side (in case of requirement for the connection from the left side, this must be stated in the order)
- Accessories bundled with the radiator optionally :
  - regulatory features at the side of the water – thermostatic valve and lockable and regulatory screwing
  - thermostatic head
  - varnishing of sheathing and other components in a different colour shade than the white RAL 9016
  - varnished exchanger.

side views

Minimal distance to the floor - 100 mm.

Aura Slim Comfort

Construction of Aura Slim Comfort

1 - Grid of the convector – longitudinal duralumin
2 - Sheathing of convector
3 - The heat exchanger of Cu/Al
4 - Automatic air-vent valve
5 - Brackets

Aura Slim Comfort convector
– longitudinal duralumin grid.

weight and water volume

height	[mm]	140				240				280			
width	[mm]	80	130	180	230	80	130	180	230	80	130	180	230
weight WKE	[kg/m]	7.5	9.2	11.0	12.8	9.4	11.3	13.2	15.2	10.1	12.0	14.1	16.1
water volume	[l/m]	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

height	[mm]	350				500				650			
width	[mm]	80	130	180	230	80	130	180	230	80	130	180	230
weight WKE	[kg/m]	11.3	13.4	15.5	17.7	14.0	16.3	18.7	21.1	16.7	19.2	21.8	24.5
water volume	[l/m]	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

Aura Slim Comfort - *height 140 mm*

convectors

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKE 14 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**131**	**253**	**369**	**481**
	70/55/20	104	201	293	381
	55/45/20	65	125	182	237
500	**75/65/20**	**164**	**316**	**462**	**602**
	70/55/20	130	251	366	477
	55/45/20	81	156	228	297
600	**75/65/20**	**197**	**379**	**554**	**722**
	70/55/20	156	301	439	573
	55/45/20	97	187	273	356
700	**75/65/20**	**229**	**442**	**647**	**842**
	70/55/20	182	350	513	668
	55/45/20	113	218	319	415
800	**75/65/20**	**262**	**506**	**739**	**963**
	70/55/20	208	401	586	764
	55/45/20	129	250	365	475
900	**75/65/20**	**295**	**569**	**832**	**1083**
	70/55/20	234	451	660	859
	55/45/20	146	281	410	534
1000	**75/65/20**	**328**	**632**	**924**	**1203**
	70/55/20	260	501	733	954
	55/45/20	162	312	456	594
1100	**75/65/20**	**360**	**695**	**1016**	**1324**
	70/55/20	285	551	806	1050
	55/45/20	178	343	501	653
1200	**75/65/20**	**393**	**758**	**1108**	**1444**
	70/55/20	312	601	879	1145
	55/45/20	194	374	547	712
1300	**75/65/20**	**431**	**834**	**1220**	**1591**
	70/55/20	342	661	967	1262
	55/45/20	213	411	602	785
1400	**75/65/20**	**469**	**909**	**1332**	**1737**
	70/55/20	372	721	1056	1377
	55/45/20	231	448	657	857
1500	**75/65/20**	**507**	**985**	**1444**	**1884**
	70/55/20	402	781	1145	1494
	55/45/20	250	486	712	929
1600	**75/65/20**	**544**	**1060**	**1556**	**2030**
	70/55/20	431	841	1234	1610
	55/45/20	268	523	768	1002
1800	**75/65/20**	**619**	**1211**	**1779**	**2322**
	70/55/20	491	960	1411	1841
	55/45/20	305	597	878	1146
2000	**75/65/20**	**695**	**1363**	**2003**	**2615**
	70/55/20	551	1081	1588	2074
	55/45/20	343	672	988	1290

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Comfort - *height 240 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKE 24 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**179**	**344**	**503**	**655**
	70/55/20	142	273	399	519
	55/45/20	88	170	248	323
500	**75/65/20**	**223**	**430**	**628**	**818**
	70/55/20	177	341	498	649
	55/45/20	110	212	310	404
600	**75/65/20**	**268**	**515**	**753**	**982**
	70/55/20	213	408	597	779
	55/45/20	132	254	371	484
700	**75/65/20**	**311**	**601**	**880**	**1145**
	70/55/20	247	477	698	908
	55/45/20	153	297	434	565
800	**75/65/20**	**356**	**688**	**1005**	**1310**
	70/55/20	282	546	797	1039
	55/45/20	176	339	496	646
900	**75/65/20**	**401**	**774**	**1132**	**1473**
	70/55/20	318	614	898	1168
	55/45/20	198	382	558	727
1000	**75/65/20**	**446**	**860**	**1257**	**1636**
	70/55/20	354	682	997	1297
	55/45/20	220	424	620	807
1100	**75/65/20**	**490**	**945**	**1382**	**1801**
	70/55/20	389	749	1096	1428
	55/45/20	242	466	682	889
1200	**75/65/20**	**534**	**1031**	**1508**	**1964**
	70/55/20	423	818	1196	1557
	55/45/20	263	509	744	969
1300	**75/65/20**	**586**	**1134**	**1660**	**2163**
	70/55/20	465	899	1316	1715
	55/45/20	289	559	819	1067
1400	**75/65/20**	**638**	**1237**	**1812**	**2362**
	70/55/20	506	981	1437	1873
	55/45/20	315	610	894	1165
1500	**75/65/20**	**689**	**1340**	**1964**	**2562**
	70/55/20	546	1063	1557	2032
	55/45/20	340	661	969	1264
1600	**75/65/20**	**740**	**1443**	**2116**	**2761**
	70/55/20	587	1144	1678	2189
	55/45/20	365	712	1044	1362
1800	**75/65/20**	**842**	**1648**	**2420**	**3158**
	70/55/20	668	1307	1919	2504
	55/45/20	415	813	1194	1558
2000	**75/65/20**	**945**	**1854**	**2724**	**3556**
	70/55/20	749	1470	2160	2820
	55/45/20	466	915	1344	1754

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Comfort - *height 280 mm*

convectors

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKE 28 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**193**	**372**	**543**	**708**
	70/55/20	153	295	431	561
	55/45/20	95	184	268	349
500	**75/65/20**	**241**	**464**	**679**	**885**
	70/55/20	191	368	538	702
	55/45/20	119	229	335	437
600	**75/65/20**	**290**	**557**	**814**	**1061**
	70/55/20	230	442	645	841
	55/45/20	143	275	402	523
700	**75/65/20**	**337**	**650**	**951**	**1238**
	70/55/20	267	515	754	982
	55/45/20	166	321	469	611
800	**75/65/20**	**385**	**744**	**1086**	**1416**
	70/55/20	305	590	861	1123
	55/45/20	190	367	536	699
900	**75/65/20**	**434**	**836**	**1223**	**1592**
	70/55/20	344	663	970	1262
	55/45/20	214	412	603	785
1000	**75/65/20**	**482**	**929**	**1358**	**1768**
	70/55/20	382	737	1077	1402
	55/45/20	238	458	670	872
1100	**75/65/20**	**529**	**1022**	**1494**	**1946**
	70/55/20	419	810	1185	1543
	55/45/20	261	504	737	960
1200	**75/65/20**	**578**	**1115**	**1630**	**2123**
	70/55/20	458	884	1293	1683
	55/45/20	285	550	804	1047
1300	**75/65/20**	**634**	**1226**	**1795**	**2338**
	70/55/20	503	972	1423	1854
	55/45/20	313	605	886	1153
1400	**75/65/20**	**689**	**1337**	**1959**	**2553**
	70/55/20	546	1060	1553	2024
	55/45/20	340	660	966	1260
1500	**75/65/20**	**745**	**1448**	**2123**	**2769**
	70/55/20	591	1148	1683	2196
	55/45/20	368	714	1047	1366
1600	**75/65/20**	**800**	**1559**	**2287**	**2984**
	70/55/20	634	1236	1814	2366
	55/45/20	395	769	1128	1472
1800	**75/65/20**	**910**	**1782**	**2616**	**3413**
	70/55/20	722	1413	2074	2706
	55/45/20	449	879	1291	1684
2000	**75/65/20**	**1022**	**2004**	**2945**	**3844**
	70/55/20	810	1589	2335	3048
	55/45/20	504	989	1453	1896

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Comfort - *height 350 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKE 35 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**216**	**417**	**624**	**810**
	70/55/20	171	331	495	642
	55/45/20	107	206	308	400
500	**75/65/20**	**270**	**521**	**781**	**1013**
	70/55/20	214	413	619	803
	55/45/20	133	257	385	500
600	**75/65/20**	**325**	**625**	**937**	**1215**
	70/55/20	258	496	743	963
	55/45/20	160	308	462	599
700	**75/65/20**	**378**	**729**	**1093**	**1418**
	70/55/20	300	578	867	1124
	55/45/20	186	360	539	700
800	**75/65/20**	**432**	**833**	**1249**	**1620**
	70/55/20	343	661	990	1285
	55/45/20	213	411	616	799
900	**75/65/20**	**487**	**937**	**1405**	**1823**
	70/55/20	386	743	1114	1446
	55/45/20	240	462	693	899
1000	**75/65/20**	**541**	**1041**	**1561**	**2025**
	70/55/20	429	825	1238	1606
	55/45/20	267	514	770	999
1100	**75/65/20**	**593**	**1146**	**1717**	**2228**
	70/55/20	470	909	1362	1767
	55/45/20	293	565	847	1099
1200	**75/65/20**	**648**	**1250**	**1873**	**2430**
	70/55/20	514	991	1485	1927
	55/45/20	320	617	924	1199
1300	**75/65/20**	**711**	**1354**	**2030**	**2633**
	70/55/20	564	1074	1610	2088
	55/45/20	351	668	1002	1299
1400	**75/65/20**	**773**	**1458**	**2186**	**2835**
	70/55/20	613	1156	1733	2248
	55/45/20	381	719	1078	1399
1500	**75/65/20**	**835**	**1562**	**2342**	**3038**
	70/55/20	662	1239	1857	2409
	55/45/20	412	771	1155	1499
1600	**75/65/20**	**897**	**1666**	**2498**	**3240**
	70/55/20	711	1321	1981	2569
	55/45/20	443	822	1232	1598
1800	**75/65/20**	**1021**	**1875**	**2810**	**3645**
	70/55/20	810	1487	2228	2890
	55/45/20	504	925	1386	1798
2000	**75/65/20**	**1146**	**2083**	**3122**	**4050**
	70/55/20	909	1652	2476	3212
	55/45/20	565	1028	1540	1998

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Comfort - *height 500 mm*

convectors

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKE 50 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**249**	**479**	**745**	**997**
	70/55/20	197	380	591	791
	55/45/20	123	236	368	492
500	**75/65/20**	**311**	**599**	**931**	**1246**
	70/55/20	247	475	738	988
	55/45/20	153	296	459	615
600	**75/65/20**	**374**	**718**	**1117**	**1495**
	70/55/20	297	569	886	1185
	55/45/20	185	354	551	738
700	**75/65/20**	**434**	**838**	**1303**	**1745**
	70/55/20	344	665	1033	1384
	55/45/20	214	413	643	861
800	**75/65/20**	**496**	**958**	**1490**	**1994**
	70/55/20	393	760	1182	1581
	55/45/20	245	473	735	984
900	**75/65/20**	**559**	**1078**	**1676**	**2243**
	70/55/20	443	855	1329	1779
	55/45/20	276	532	827	1107
1000	**75/65/20**	**621**	**1197**	**1862**	**2492**
	70/55/20	492	949	1477	1976
	55/45/20	306	591	919	1229
1100	**75/65/20**	**682**	**1317**	**2048**	**2742**
	70/55/20	541	1044	1624	2174
	55/45/20	336	650	1010	1353
1200	**75/65/20**	**745**	**1437**	**2234**	**2991**
	70/55/20	591	1139	1771	2372
	55/45/20	368	709	1102	1476
1300	**75/65/20**	**817**	**1557**	**2421**	**3240**
	70/55/20	648	1235	1920	2569
	55/45/20	403	768	1194	1598
1400	**75/65/20**	**888**	**1676**	**2607**	**3489**
	70/55/20	704	1329	2067	2767
	55/45/20	438	827	1286	1721
1500	**75/65/20**	**960**	**1796**	**2793**	**3739**
	70/55/20	761	1424	2215	2965
	55/45/20	474	886	1378	1845
1600	**75/65/20**	**1031**	**1916**	**2979**	**3988**
	70/55/20	818	1519	2362	3162
	55/45/20	509	945	1470	1967
1800	**75/65/20**	**1173**	**2155**	**3351**	**4486**
	70/55/20	930	1709	2657	3557
	55/45/20	579	1063	1653	2213
2000	**75/65/20**	**1318**	**2395**	**3724**	**4985**
	70/55/20	1045	1899	2953	3953
	55/45/20	650	1182	1837	2459

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Comfort - *height 650 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WKE 65 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**276**	**531**	**848**	**1161**
	70/55/20	219	421	672	921
	55/45/20	136	262	418	573
500	**75/65/20**	**344**	**663**	**1060**	**1452**
	70/55/20	273	526	841	1151
	55/45/20	170	327	523	716
600	**75/65/20**	**414**	**796**	**1272**	**1742**
	70/55/20	328	631	1009	1381
	55/45/20	204	393	628	859
700	**75/65/20**	**481**	**929**	**1484**	**2032**
	70/55/20	381	737	1177	1611
	55/45/20	237	458	732	1002
800	**75/65/20**	**550**	**1061**	**1696**	**2323**
	70/55/20	436	841	1345	1842
	55/45/20	271	523	837	1146
900	**75/65/20**	**620**	**1194**	**1908**	**2613**
	70/55/20	492	947	1513	2072
	55/45/20	306	589	941	1289
1000	**75/65/20**	**689**	**1327**	**2120**	**2904**
	70/55/20	546	1052	1681	2303
	55/45/20	340	655	1046	1433
1100	**75/65/20**	**756**	**1459**	**2331**	**3194**
	70/55/20	599	1157	1848	2533
	55/45/20	373	720	1150	1576
1200	**75/65/20**	**826**	**1592**	**2543**	**3484**
	70/55/20	655	1262	2017	2763
	55/45/20	408	785	1255	1719
1300	**75/65/20**	**905**	**1725**	**2755**	**3775**
	70/55/20	718	1368	2185	2993
	55/45/20	446	851	1359	1862
1400	**75/65/20**	**984**	**1857**	**2967**	**4065**
	70/55/20	780	1473	2353	3223
	55/45/20	485	916	1464	2005
1500	**75/65/20**	**1064**	**1990**	**3179**	**4356**
	70/55/20	844	1578	2521	3454
	55/45/20	525	982	1568	2149
1600	**75/65/20**	**1143**	**2123**	**3391**	**4646**
	70/55/20	906	1683	2689	3684
	55/45/20	564	1047	1673	2292
1800	**75/65/20**	**1300**	**2388**	**3815**	**5226**
	70/55/20	1031	1894	3025	4144
	55/45/20	641	1178	1882	2578
2000	**75/65/20**	**1460**	**2653**	**4239**	**5807**
	70/55/20	1158	2104	3361	4605
	55/45/20	720	1309	2091	2865

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Note:
Number of brackets:

Length from 400 do 1600 mm: 2 pieces
Length from 1800 up to 2000 mm: 3 pieces

The illustration of brackets is only schematic

Optional accessories see page 53

Correction factor for the recount of heat output
Tables with correction factors for the recount of heat output see page 52.

Pressure drop
Diagrams of Pressure drop of exchanger for convectors see page 50.

description code

type		height		length		width		convector colour
WKE – Aura Slim Comfort	-	14 = 140 mm 24 = 240 mm 28 = 280 mm 35 = 350 mm 50 = 500 mm 65 = 650 mm	-	040 = 400 mm : : : : 200 = 2000 mm	-	08 = 80 mm 13 = 130 mm 18 = 180 mm 23 = 230 mm	-	00 = RAL 9016 0R.... = another RAL 0S.... = special colour

Example: Convector Aura Slim Comfort, type WKE to the wall, height 240 mm, length 1800 mm, width 130 mm, colour RAL 9016

WKE	-	24	-	180	-	13	-	00

Convector description: WKE-24-180-13-00

NEW

Aura Slim Basic

Wall –mounted Aura Slim convectors supplement in an optimum way the basic range of the onfloor Aura and trench convectors Aquilo. The universal product is also suitable for separate wall-mounted installation.
Aura Slim flat convectors meet the contradictory requirements for minimal dimensions, maximal output and amiable construction as for design.
The conception of Aura Slim convectors is built on implementation of steel sheating and grid with heat exchanger from copper and aluminum similar to those applied in the onfloor Aura convectors.
The basic colour version makes it possible for the body to adapt easily into its environment while the optional non-standard colourful version helps to emphasize the body and makes it an integral part of the interior. The modest and aesthetic design of the body is the principal prerequisite for the installation in private as well as public interiors, in the rooms of standard size as well as in vast spaces.
Aura Slim Comfort convectors are produced in 360 standard dimensional types.

technical specification

• Width :	80, 130, 180, 230 mm
• Length :	from 400 up to 2000 mm
• Height :	140, 240, 280, 350, 500, 650 mm
• Connections :	2 x G ½" - internal thread
• Operating pressure :	10 bar
• Max. temperature :	110 °C
• Test pressure :	13 bar

- Accessories bundled with the radiator :
  - corrosion-resistant, laminated heat exchanger Cu/Al with low water content terminated with two inlets with G1/2 " by internal thread and connecting pitch of 50 mm
  - sheathing with steel die-cut grid
  - brackets enabling assembly to the wall
  - air-vent valve

  steel sheating with duralumin grid and brackets are equipped with painting powder colour in RAL 9016

  connection from the right side (in case of requirement for the connection from the left side, this must be stated in the order)
- Accessories bundled with the radiator optionally :
  - regulatory features at the side of the water – thermostatic valve and lockable and regulatory screwing
  - thermostatic head
  - varnishing of sheathing and other components in a different colour shade than the white RAL 9016
  - varnished exchanger.

side views

Minimal distance to the floor - 100 mm.

Aura Slim Basic

Construction of Aura Slim Basic

1 - Grid of the convector – steel die-cut
2 - Sheathing of convector
3 - The heat exchanger of Cu/Al
4 - Automatic air-vent valve
5 - Brackets

Aura Slim Basic convector
steel die-cut grid powder painted

weight and water volume

height	[mm]	140				240				280			
width	[mm]	80	130	180	230	80	130	180	230	80	130	180	230
weight WBEH	[kg/m]	7.0	8.5	10.1	11.6	8.8	10.4	12.1	13.9	9.5	11.2	13.0	14.8
water volume	[l/m]	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

height	[mm]	350				500				650			
width	[mm]	80	130	180	230	80	130	180	230	80	130	180	230
weight WBEH	[kg/m]	10.7	12.5	14.4	16.4	13.4	15.5	17.6	19.7	16.1	18.4	20.7	23.1
water volume	[l/m]	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.5

Aura Slim Basic - *height 140 mm*

convectors

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBE 14 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**131**	**253**	**369**	**481**
	70/55/20	104	201	293	381
	55/45/20	65	125	182	237
500	**75/65/20**	**164**	**316**	**462**	**602**
	70/55/20	130	251	366	477
	55/45/20	81	156	228	297
600	**75/65/20**	**197**	**379**	**554**	**722**
	70/55/20	156	301	439	573
	55/45/20	97	187	273	356
700	**75/65/20**	**229**	**442**	**647**	**842**
	70/55/20	182	350	513	668
	55/45/20	113	218	319	415
800	**75/65/20**	**262**	**506**	**739**	**963**
	70/55/20	208	401	586	764
	55/45/20	129	250	365	475
900	**75/65/20**	**295**	**569**	**832**	**1083**
	70/55/20	234	451	660	859
	55/45/20	146	281	410	534
1000	**75/65/20**	**328**	**632**	**924**	**1203**
	70/55/20	260	501	733	954
	55/45/20	162	312	456	594
1100	**75/65/20**	**360**	**695**	**1016**	**1324**
	70/55/20	285	551	806	1050
	55/45/20	178	343	501	653
1200	**75/65/20**	**393**	**758**	**1108**	**1444**
	70/55/20	312	601	879	1145
	55/45/20	194	374	547	712
1300	**75/65/20**	**431**	**834**	**1220**	**1591**
	70/55/20	342	661	967	1262
	55/45/20	213	411	602	785
1400	**75/65/20**	**469**	**909**	**1332**	**1737**
	70/55/20	372	721	1056	1377
	55/45/20	231	448	657	857
1500	**75/65/20**	**507**	**985**	**1444**	**1884**
	70/55/20	402	781	1145	1494
	55/45/20	250	486	712	929
1600	**75/65/20**	**544**	**1060**	**1556**	**2030**
	70/55/20	431	841	1234	1610
	55/45/20	268	523	768	1002
1800	**75/65/20**	**619**	**1211**	**1779**	**2322**
	70/55/20	491	960	1411	1841
	55/45/20	305	597	878	1146
2000	**75/65/20**	**695**	**1363**	**2003**	**2615**
	70/55/20	551	1081	1588	2074
	55/45/20	343	672	988	1290

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Basic - *height 240 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBE 24 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**179**	**344**	**503**	**655**
	70/55/20	142	273	399	519
	55/45/20	88	170	248	323
500	**75/65/20**	**223**	**430**	**628**	**818**
	70/55/20	177	341	498	649
	55/45/20	110	212	310	404
600	**75/65/20**	**268**	**515**	**753**	**982**
	70/55/20	213	408	597	779
	55/45/20	132	254	371	484
700	**75/65/20**	**311**	**601**	**880**	**1145**
	70/55/20	247	477	698	908
	55/45/20	153	297	434	565
800	**75/65/20**	**356**	**688**	**1005**	**1310**
	70/55/20	282	546	797	1039
	55/45/20	176	339	496	646
900	**75/65/20**	**401**	**774**	**1132**	**1473**
	70/55/20	318	614	898	1168
	55/45/20	198	382	558	727
1000	**75/65/20**	**446**	**860**	**1257**	**1636**
	70/55/20	354	682	997	1297
	55/45/20	220	424	620	807
1100	**75/65/20**	**490**	**945**	**1382**	**1801**
	70/55/20	389	749	1096	1428
	55/45/20	242	466	682	889
1200	**75/65/20**	**534**	**1031**	**1508**	**1964**
	70/55/20	423	818	1196	1557
	55/45/20	263	509	744	969
1300	**75/65/20**	**586**	**1134**	**1660**	**2163**
	70/55/20	465	899	1316	1715
	55/45/20	289	559	819	1067
1400	**75/65/20**	**638**	**1237**	**1812**	**2362**
	70/55/20	506	981	1437	1873
	55/45/20	315	610	894	1165
1500	**75/65/20**	**689**	**1340**	**1964**	**2562**
	70/55/20	546	1063	1557	2032
	55/45/20	340	661	969	1264
1600	**75/65/20**	**740**	**1443**	**2116**	**2761**
	70/55/20	587	1144	1678	2189
	55/45/20	365	712	1044	1362
1800	**75/65/20**	**842**	**1648**	**2420**	**3158**
	70/55/20	668	1307	1919	2504
	55/45/20	415	813	1194	1558
2000	**75/65/20**	**945**	**1854**	**2724**	**3556**
	70/55/20	749	1470	2160	2820
	55/45/20	466	915	1344	1754

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Basic - *height 280 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBE 28 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**193**	**372**	**543**	**708**
	70/55/20	153	295	431	561
	55/45/20	95	184	268	349
500	**75/65/20**	**241**	**464**	**679**	**885**
	70/55/20	191	368	538	702
	55/45/20	119	229	335	437
600	**75/65/20**	**290**	**557**	**814**	**1061**
	70/55/20	230	442	645	841
	55/45/20	143	275	402	523
700	**75/65/20**	**337**	**650**	**951**	**1238**
	70/55/20	267	515	754	982
	55/45/20	166	321	469	611
800	**75/65/20**	**385**	**744**	**1086**	**1416**
	70/55/20	305	590	861	1123
	55/45/20	190	367	536	699
900	**75/65/20**	**434**	**836**	**1223**	**1592**
	70/55/20	344	663	970	1262
	55/45/20	214	412	603	785
1000	**75/65/20**	**482**	**929**	**1358**	**1768**
	70/55/20	382	737	1077	1402
	55/45/20	238	458	670	872
1100	**75/65/20**	**529**	**1022**	**1494**	**1946**
	70/55/20	419	810	1185	1543
	55/45/20	261	504	737	960
1200	**75/65/20**	**578**	**1115**	**1630**	**2123**
	70/55/20	458	884	1293	1683
	55/45/20	285	550	804	1047
1300	**75/65/20**	**634**	**1226**	**1795**	**2338**
	70/55/20	503	972	1423	1854
	55/45/20	313	605	886	1153
1400	**75/65/20**	**689**	**1337**	**1959**	**2553**
	70/55/20	546	1060	1553	2024
	55/45/20	340	660	966	1260
1500	**75/65/20**	**745**	**1448**	**2123**	**2769**
	70/55/20	591	1148	1683	2196
	55/45/20	368	714	1047	1366
1600	**75/65/20**	**800**	**1559**	**2287**	**2984**
	70/55/20	634	1236	1814	2366
	55/45/20	395	769	1128	1472
1800	**75/65/20**	**910**	**1782**	**2616**	**3413**
	70/55/20	722	1413	2074	2706
	55/45/20	449	879	1291	1684
2000	**75/65/20**	**1022**	**2004**	**2945**	**3844**
	70/55/20	810	1589	2335	3048
	55/45/20	504	989	1453	1896

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Basic - *height 350 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBE 35 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**216**	**417**	**624**	**810**
	70/55/20	171	331	495	642
	55/45/20	107	206	308	400
500	**75/65/20**	**270**	**521**	**781**	**1013**
	70/55/20	214	413	619	803
	55/45/20	133	257	385	500
600	**75/65/20**	**325**	**625**	**937**	**1215**
	70/55/20	258	496	743	963
	55/45/20	160	308	462	599
700	**75/65/20**	**378**	**729**	**1093**	**1418**
	70/55/20	300	578	867	1124
	55/45/20	186	360	539	700
800	**75/65/20**	**432**	**833**	**1249**	**1620**
	70/55/20	343	661	990	1285
	55/45/20	213	411	616	799
900	**75/65/20**	**487**	**937**	**1405**	**1823**
	70/55/20	386	743	1114	1446
	55/45/20	240	462	693	899
1000	**75/65/20**	**541**	**1041**	**1561**	**2025**
	70/55/20	429	825	1238	1606
	55/45/20	267	514	770	999
1100	**75/65/20**	**593**	**1146**	**1717**	**2228**
	70/55/20	470	909	1362	1767
	55/45/20	293	565	847	1099
1200	**75/65/20**	**648**	**1250**	**1873**	**2430**
	70/55/20	514	991	1485	1927
	55/45/20	320	617	924	1199
1300	**75/65/20**	**711**	**1354**	**2030**	**2633**
	70/55/20	564	1074	1610	2088
	55/45/20	351	668	1002	1299
1400	**75/65/20**	**773**	**1458**	**2186**	**2835**
	70/55/20	613	1156	1733	2248
	55/45/20	381	719	1078	1399
1500	**75/65/20**	**835**	**1562**	**2342**	**3038**
	70/55/20	662	1239	1857	2409
	55/45/20	412	771	1155	1499
1600	**75/65/20**	**897**	**1666**	**2498**	**3240**
	70/55/20	711	1321	1981	2569
	55/45/20	443	822	1232	1598
1800	**75/65/20**	**1021**	**1875**	**2810**	**3645**
	70/55/20	810	1487	2228	2890
	55/45/20	504	925	1386	1798
2000	**75/65/20**	**1146**	**2083**	**3122**	**4050**
	70/55/20	909	1652	2476	3212
	55/45/20	565	1028	1540	1998

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Basic - *height 500 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBE 50 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**249**	**479**	**745**	**997**
	70/55/20	197	380	591	791
	55/45/20	123	236	368	492
500	**75/65/20**	**311**	**599**	**931**	**1246**
	70/55/20	247	475	738	988
	55/45/20	153	296	459	615
600	**75/65/20**	**374**	**718**	**1117**	**1495**
	70/55/20	297	569	886	1185
	55/45/20	185	354	551	738
700	**75/65/20**	**434**	**838**	**1303**	**1745**
	70/55/20	344	665	1033	1384
	55/45/20	214	413	643	861
800	**75/65/20**	**496**	**958**	**1490**	**1994**
	70/55/20	393	760	1182	1581
	55/45/20	245	473	735	984
900	**75/65/20**	**559**	**1078**	**1676**	**2243**
	70/55/20	443	855	1329	1779
	55/45/20	276	532	827	1107
1000	**75/65/20**	**621**	**1197**	**1862**	**2492**
	70/55/20	492	949	1477	1976
	55/45/20	306	591	919	1229
1100	**75/65/20**	**682**	**1317**	**2048**	**2742**
	70/55/20	541	1044	1624	2174
	55/45/20	336	650	1010	1353
1200	**75/65/20**	**745**	**1437**	**2234**	**2991**
	70/55/20	591	1139	1771	2372
	55/45/20	368	709	1102	1476
1300	**75/65/20**	**817**	**1557**	**2421**	**3240**
	70/55/20	648	1235	1920	2569
	55/45/20	403	768	1194	1598
1400	**75/65/20**	**888**	**1676**	**2607**	**3489**
	70/55/20	704	1329	2067	2767
	55/45/20	438	827	1286	1721
1500	**75/65/20**	**960**	**1796**	**2793**	**3739**
	70/55/20	761	1424	2215	2965
	55/45/20	474	886	1378	1845
1600	**75/65/20**	**1031**	**1916**	**2979**	**3988**
	70/55/20	818	1519	2362	3162
	55/45/20	509	945	1470	1967
1800	**75/65/20**	**1173**	**2155**	**3351**	**4486**
	70/55/20	930	1709	2657	3557
	55/45/20	579	1063	1653	2213
2000	**75/65/20**	**1318**	**2395**	**3724**	**4985**
	70/55/20	1045	1899	2953	3953
	55/45/20	650	1182	1837	2459

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Basic - *height 650 mm*

NEW

RADIATOR DESCRIPTION - AN EXAMPLE : AURA WBE 65 100 18 00

name
height [cm]
length [cm]
width [cm]
convector colour

Lc overall length [mm]	parameters t_z / t_p / t_i [°C]	B - width [mm]			
		80	130	180	230
400	**75/65/20**	**276**	**531**	**848**	**1161**
	70/55/20	219	421	672	921
	55/45/20	136	262	418	573
500	**75/65/20**	**344**	**663**	**1060**	**1452**
	70/55/20	273	526	841	1151
	55/45/20	170	327	523	716
600	**75/65/20**	**414**	**796**	**1272**	**1742**
	70/55/20	328	631	1009	1381
	55/45/20	204	393	628	859
700	**75/65/20**	**481**	**929**	**1484**	**2032**
	70/55/20	381	737	1177	1611
	55/45/20	237	458	732	1002
800	**75/65/20**	**550**	**1061**	**1696**	**2323**
	70/55/20	436	841	1345	1842
	55/45/20	271	523	837	1146
900	**75/65/20**	**620**	**1194**	**1908**	**2613**
	70/55/20	492	947	1513	2072
	55/45/20	306	589	941	1289
1000	**75/65/20**	**689**	**1327**	**2120**	**2904**
	70/55/20	546	1052	1681	2303
	55/45/20	340	655	1046	1433
1100	**75/65/20**	**756**	**1459**	**2331**	**3194**
	70/55/20	599	1157	1848	2533
	55/45/20	373	720	1150	1576
1200	**75/65/20**	**826**	**1592**	**2543**	**3484**
	70/55/20	655	1262	2017	2763
	55/45/20	408	785	1255	1719
1300	**75/65/20**	**905**	**1725**	**2755**	**3775**
	70/55/20	718	1368	2185	2993
	55/45/20	446	851	1359	1862
1400	**75/65/20**	**984**	**1857**	**2967**	**4065**
	70/55/20	780	1473	2353	3223
	55/45/20	485	916	1464	2005
1500	**75/65/20**	**1064**	**1990**	**3179**	**4356**
	70/55/20	844	1578	2521	3454
	55/45/20	525	982	1568	2149
1600	**75/65/20**	**1143**	**2123**	**3391**	**4646**
	70/55/20	906	1683	2689	3684
	55/45/20	564	1047	1673	2292
1800	**75/65/20**	**1300**	**2388**	**3815**	**5226**
	70/55/20	1031	1894	3025	4144
	55/45/20	641	1178	1882	2578
2000	**75/65/20**	**1460**	**2653**	**4239**	**5807**
	70/55/20	1158	2104	3361	4605
	55/45/20	720	1309	2091	2865

Convectors' heat output [W] in accordance with PN-EN 442 standard for parameters 75/65/20°C, 70/55/20°C and 55/45/20°C.

All Aura convectors available on request.

Aura Slim Basic - *installation of convector*

Note:
Number of brackets:

Length from 400 do 1600 mm: 2 pieces
Length from 1800 up to 2000 mm: 3 pieces

The illustration of brackets is only schematic

Optional accessories see page 53

Correction factor for the recount of heat output
Tables with correction factors for the recount of heat output see page 52.

Pressure drop
Diagrams of Pressure drop of exchanger for convectors see page 50.

description code

type		height		length		width		convector colour
WBE – Aura Slim Basic	-	14 = 140 mm 24 = 240 mm 28 = 280 mm 35 = 350 mm 50 = 500 mm 65 = 650 mm	-	040 = 400 mm : : : : 200 = 2000 mm	-	08 = 80 mm 13 = 130 mm 18 = 180 mm 23 = 230 mm	-	00 = RAL 9016 0R.... = another RAL 0S.... = special colour

Example: Convector Aura Slim Basic, type WBE to the wall, height 240 mm, length 1800 mm, width 130 mm, colour RAL 9016

WBE	-	24	-	180	-	13	-	00

Convector description: WBE-24-180-13-00

How to mount our convectors

Aura Comfort

Height 09 (90 mm)

How to mount our convectors

Aura Comfort

Height 14 (140 mm), 24 (240 mm), 28 (280 mm)
- width 96, 146 mm, 186 mm and 236 mm

Aura Basic

Height 14 (140 mm), 24 (240 mm), 28 (280 mm)
– only width 146 mm, 186 mm and 236 mm

How to mount our convectors

Aura Slim Comfort, Aura Slim Basic

Height 14 (140 mm), 24 (240 mm), 28 (280 mm), 35 (350 mm), 50 (500 mm), 65 (650 mm)

Installation from the floor

Installation from the wall

grids

The grids of convectors in the Classic version can be produced from anodized duralumin profi le, or in a diff erent colour version than is the sheathing of the convector. The grids of convectors in the Basic version can be made in various patterns. It is always necessary to consult the solution with the producer.

length of convector over 2900 mm

Convectors in lengths of 3000 to 3600 mm can be made from two pieces of sheathing and one heat exchanger. Sheathings are, in this case, tightly connected to each other and form one whole.

non-standard brackets

Numerous installations require non-standard fitting of convectors. In these cases, it is possible to produce brackets in non-standard versions of above all non-standard heights. The solution must be consulted with the producer.

thermo actuators

During application of electrical thermo actuators, it is possible to produce sheathing without an aperture on thermo-head. The thermo actuator thus remains completely hidden under the sheathing of the convector. This variant can be used also with standard thermo-heads – an unauthorized handling is thus obstructed. The solution must be consulted with the producer

Hydraulic characteristics

Aura, Aura Slim

1	WKF-09-LLL-09
2	WKF-09-LLL-14
3	WKF-14-LLL-09, WKF-24-LLL-09, WKF-28-LLL-09
4	WKE-HH-LLL-08

1	WKF-09-LLL-24
2	WKF-14-LLL-14, WKF-24-LLL-14, WKF-28-LLL-14
3	WKE-HH-LLL-13

1	WKF-14-LLL-19, WKF-24-LLL-19, WKF-28-LLL-19
2	WKE-HH-LLL-18

1	WKF-14-LLL-24, WKF-24-LLL-24, WKF-28-LLL-24
2	WKE-HH-LLL-23

LLL – convector overall length
HH – convector height

Operation and maintenance of convectors

To secure the proper function of the convector, long-term failure-free operation and maximal life time, it is necessary to secure regular maintenance:

- before the initiation of heating season, we recommend to remove dust with the help of a vacuum cleaner with a brush adapter from heat exchanger
- possible impurities on the sheathing of convector to remove only with damp cloth
- for the cleaning of convectors, neither abrasive cleaning agents nor detergents on the basis of chlorine can be used
- the convector operates on the basis or air circulation, that is why it is necessary to retain free space under the convector and not to cover the expiratory grid

Installation of convectors

- convectors are intended for installation in closed warm-water system
- convectors are intended only for installation in interiors
- convectors must not be installed in surrounding with aggressive or damp environment (swimming-pools, greenhouses,...), if they are not made from materials which are intended for it
- installation of thermostatic valve and regulatory and closing screwing (they are not part of the standard supply enables regulation of circuit and easy dismantling of heat exchanger
- protect by covering the sheathing of the convector for the whole time of installation and remove the protection up to the termination of all interior adjustments (above all painting)

Conversion table

supply water temperature [°C]	air temperature [°C]	n=1,3 return water temperature [°C] 25	30	35	40	45	50	55	60	65	70	75	80	85
90	15	0,57	0,69	0,79	0,89	0,98	1,07	1,16	1,24	1,32	1,40	1,48	1,55	1,63
	20	0,40	0,54	0,65	0,75	0,84	0,93	1,02	1,10	1,18	1,26	1,33	1,41	1,48
	24	0,22	0,41	0,53	0,64	0,73	0,82	0,91	0,99	1,07	1,15	1,22	1,30	1,37
85	15	0,54	0,65	0,75	0,84	0,93	1,02	1,10	1,18	1,26	1,33	1,41	1,48	
	20	0,37	0,50	0,61	0,71	0,80	0,88	0,96	1,04	1,12	1,20	1,27	1,34	
	24	0,20	0,38	0,50	0,60	0,69	0,78	0,86	0,94	1,01	1,09	1,16	1,23	
80	15	0,50	0,61	0,71	0,80	0,88	0,96	1,04	1,12	1,20	1,27	1,34		
	20	0,35	0,47	0,57	0,66	0,75	0,83	0,91	0,99	1,06	1,13	1,20		
	24	0,19	0,35	0,46	0,56	0,65	0,73	0,81	0,88	0,96	1,03	1,10		
75	15	0,47	0,57	0,66	0,75	0,83	0,91	0,99	1,06	1,13	1,20			
	20	0,32	0,44	0,53	0,62	0,70	0,78	0,86	0,93	1,00	1,07			
	24	0,17	0,33	0,43	0,52	0,60	0,68	0,76	0,83	0,90	0,96			
70	15	0,44	0,53	0,62	0,70	0,78	0,86	0,93	1,00	1,07				
	20	0,30	0,40	0,50	0,58	0,66	0,73	0,80	0,87	0,94				
	24	0,15	0,30	0,40	0,48	0,56	0,63	0,70	0,77	0,84				
65	15	0,40	0,50	0,58	0,66	0,73	0,80	0,87	0,94					
	20	0,27	0,37	0,46	0,54	0,61	0,68	0,75	0,81					
	24	0,14	0,27	0,36	0,44	0,51	0,58	0,65	0,71					
60	15	0,37	0,46	0,54	0,61	0,68	0,75	0,81						
	20	0,24	0,34	0,42	0,49	0,56	0,63	0,69						
	24	0,12	0,24	0,33	0,40	0,47	0,53	0,60						
55	15	0,34	0,42	0,49	0,56	0,63	0,69							
	20	0,22	0,30	0,38	0,45	0,51	0,57							
	24	0,10	0,21	0,29	0,36	0,42	0,48							
50	15	0,30	0,38	0,45	0,51	0,57								
	20	0,19	0,27	0,34	0,40	0,46								
	24	0,09	0,19	0,26	0,32	0,37								
45	15	0,27	0,34	0,40	0,46									
	20	0,16	0,24	0,30	0,35									
	24	0,07	0,16	0,22	0,27									

example:

the WKE-14-100-18-00 convector, heat output at 75/65/20 °C: QN = 924 W,
supply temperature: 50 °C, return temperature: 40 °C, air temperature: 20 °C, heat transfer coefficient K1 = 0,40
Calculated heat output: Q = QN x K1 = 924 W x 0,40 = 370 W

Heat output of convector WKE-14-100-18-00 for parameters 50/40/20 C is 370 W.

	description	order code
	PTV-03 axial thermostatic valve DN15 for Aura Comfort: PN10/110 °C	**AZA3PTV03**

valve setting	1	2	3	4	5	N
k_{vs} [m³/h]	0.13	0.23	0.34	0.52	0.66	0.77

	description	order code
	PRS-02 cut-off valve DN15 for Aura Comfort: PN10/110 °C	**AZA3PRS02**

rotation no. until total cut-off	1	1.5	2	2.5	3	4	open
k_{vs} [m³/h]	0.65	1	1.3	1.7	1.9	2.3	2.5

	description	order code
	Thermostatic head with the thread M30 x 1.5 Setting range of temperatures 7-28 °C Thermostatic head in colour confi guration white/chrome **THL-01** Thermostatic head in colour confi guration chrome/chrome **THL-02** Thermostatic head in colour confi guration stainless steel **THL-03**	**AZA3THC01** **AZA3THC02** **AZA3THC03**
	WZS-01 Mounting set for the central connection in the axis of the convector for convectors of the width of 186 mm Aura Comfort, Aura Basic	**AZA3WZS01**
	WZS-02 Mounting set for the central connection in the axis of the convector for convectors of the width of 146 and 236 mm Aura Comfort, Aura Basic	**AZA3WZS02**
	Bracket covers For Aura Basic, Aura Comfort, Aura Bench models for the installation to the finished floor colour white RAL 9016 bracket cover at other RAL colours available on request width 146 mm width 186 mm width 246 mm	**AZAWZA1410000** **AZAWZA1910000** **AZAWZA2410000**

AURA Convectors - Terms of warranty

1. PURMO Aura convectors are marketed and made available pursuant to the Regulation (EU) of the European Parliament and of the European Council No. 305/2011 laying down harmonized conditions for the marketing of construction products.

2. **Rettig Heating Sp. z o.o. located in Rybnik at Przemysłowa street (hereinafter referred to as the Guarantor) gives 10 years guarantee (from date of purchase) in the EU area for PURMO Aura convectors mounted in water installation of the central heating.**

3. **The guarantee is valid for convectors mounted in the water installations of the central heating**:
   - in closed system with an expansion tank;
   - powered from the heat centre, boiler house or heat pump;
   - made from black steel / copper or plastic pipes with an anti-diffusion barrier;
   - equipped with local air vents (no central vent system is allowed);
   - used for heating residential areas, office buildings, service stations or other buildings that are neither exposed on pernicious corrosive substance activity nor permanent or temporary moistness of the convector surface.

   Installation of Purmo Aura convectors in small open system installations (up to 25 kW) is allowed provided the corrosion inhibitors are used.
   During the warranty period the convectors and their components with the faults originated from the manufacturer and reported not later than one month after having been discovered will be repaired or exchanged into new, free of defects devices.

4. The guarantee is recognized when:
   - **there is an evidence of purchase, that is the invoice,**
   - **the convectors have been mounted in water central heating systems in compliance with the national technical regulations and standards,**
   - **adhering to the requirements of the Guarantor included in technical catalogue and installation instruction.**

5. Maximal operating pressure in central heating installation for PURMO Aura convectors may not exceed 10 bars and the maximal service temperature is 110 °C.
   In high and high-rise buildings a zone distribution system must be applied. The tightness test must be carried out at the experimental pressure equal to working pressure in the installation, adding two bars, yet not lower than four bars. Maximal pressure during the installation tightness test shall be equal to 12 bars.

6. The guarantee does not cover convectors mounted:
   - in central heating installation connected to a high temperature heat distribution network through a suction elevator or pump mixing loop;
   - in swimming pool areas, car wash centers, laundries, slaughterhouses, public toilets, bathrooms or other rooms with high activity of corrosive substances in the air, as well as areas where the convector is exposed on permanent or temporary moistness;
   - in central heating installations connected with the water- supply system without protective fittings, against backflows;
   - in central heating installation with water removed more frequently or for longer periods than advised in exploitation requirements;
   - in steam installations;
   - in central heating installations where the water quality rating level has been higher than advised, that is:
     - the total amount of chloride and sulfate ions may not be higher than 150 mg/l (for installations with copper pipes not higher than 50 mg/l),
     - oxygen content not higher than 0.1 mg/l,
     - pH water reaction within 8.0 ÷ 9.5,
     - total water hardness not higher than 4.0 mval/l.

7. **The guarantee does not cover damages to the convector or its parts (brackets, sheating)** that are due to improper handling, storage, transport or misuse.
   It refers, in particular, to convectors:

- stored in the open air before mounting,
- with mechanical damage,
- polluted from inside with solid bodies or noxious liquids,
- deformed by excessive experimental pressure or static pressure in the installation,
- deformed due to freezing,
- with mechanical damage due to an overload as a result of sitting on the convector.

8. The convectors require periodical cleaning. It is recommended to use only soft and gentle fabrics that can be slightly moistened. For cleaning the convectors it is not advised to use aggressive or corrosive agents (e.g. acidic solvents or agents with chlorine). Aura convectors can not be used for drying wet or dump objects put on the convector. Claims for damage of varnished sheating due to improper handling or maintenance will not be granted.

9. It is forbidden to remove the water from the entire installation or its part and to leave it in this condition. It also refers to new installations with the tightness test. If there is a need to remove the water, e.g. due to renovation or maintenance works, the water must be removed only from the given part. After accomplishing all works the installation must immediately be filled with water. Quantity of water used for the filling or filling up process must be monitored, e.g. by a watermeter.

10. The guarantee of our product is granted provided it has not been repaired or modified by a buyer or third party without Guarantor's approval.

11. Occurrence of faults within the warranty period is followed by a claim procedure by notifying the Retailer about the damage in a special claim form including the origin and details of damage. The retailer accepts the claim form and forwards it to the Guarantor via registered letter, fax or e-mail within 24 hours since it has been accepted. In case of incomplete data, the form shall be returned in order to be completed. The invoice or its copy shall be attached with the form. In specific cases the Guarantor may request a photo documentation of the claimed product. The Guarantor is obliged to reply for the complaint within 14 days since a completed form was accepted.

12. In order to recognize the claim a visual inspection is performed by the Guarantor in the mounting area or other area determined by the Guarantor. The original packaging used for delivery must be kept for the inspection in case of a damage with mechanical origin. If the claim has been recognized, the Guarantor is obliged to repair or replace the parts found to be defective due to improper manufacturing or material defects or exchange the convector into a new device that is free of defects. In specific cases, (e.g. when the product needs to be sent from abroad) the Guarantor has the right to extend the deadline to recognize the claim that is normally defined to be 14 days.
    In case of damages that do not affect the convector functionality, a discount may also be offered.
    In case of the claim regarding a product, manufacturing of which has been ceased, the Guarantor will offer an equivalent with similar parameters or a money back guarantee at the date of the purchase. The Guarantor does not deliver an alternative device for the time of claim recognition process.

13. The Guarantor has the right to select the method of claim settlement.
    In case the claim is recognized in the form of exchange, all mounting shall be delivered by an authorized Purmo service centre. In case any difficulties occur when mounting the exchanged convector, e.g. lack of valve for separating the convector from installation, the service centre may refuse to disassemble or mount the new convector. As a consequence, the warranty claim is recognized as exercised by the Guarantor.

14. The warranty period shall be extended due to reparation time calculated since the date of delivery to the Guarantor to the reparation date. In case of exchange a new warranty period is granted.

15. The Guarantor reserves the right to make modifications to his products without prior notice unless they refer to any significant technical details affecting the process of selection.

16. The warranty terms on goods sold do not exclude, limit or suspend rights of the buyers when the product fails to comply with the contract in accordance with the Act of 27.07. 2002 on specific conditions of consumer sale and amendings of the Civil Code. (Journal of Laws 2002 no. 141, point 1176).

17. Warranty conditions are valid as stated since 01.07.2013.

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