



IMAS SINGLE CONVECTOR RADIATORS (TYPE 11)

Code	Height	Width	BTU	WATTS	PIPE CENTRE
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400

11406	400	600	1439	422	690
11408	400	800	1917	562	890
11409	400	900	2159	633	990
11410	400	1000	2398	703	1090
11411	400	1100	2637	773	1190
11412	400	1200	2879	844	1290
11414	400	1400	3357	984	1490
11416	400	1600	3838	1125	1690
11418	400	1800	4316	1265	1890
11420	400	2000	4797	1406	2090

500

11504	500	400	1140	334	490
11505	500	500	1425	418	590
11506	500	600	1710	501	690
11507	500	700	1996	585	790
11508	500	800	2281	668	890
11509	500	900	2566	752	990
11510	500	1000	2851	836	1090
11511	500	1100	3136	919	1190
11512	500	1200	3421	1003	1290
11513	500	1300	3706	1086	1390
11514	500	1400	3991	1170	1490
11515	500	1500	4276	1253	1590
11516	500	1600	4561	1337	1690
11518	500	1800	5131	1504	1890
11520	500	2000	5702	1671	2090

600

11605	600	500	1645	482	590
11606	600	600	1974	579	690
11607	600	700	2303	675	790
11608	600	800	2633	772	890
11609	600	900	2962	868	990
11610	600	1000	3291	964	1090
11611	600	1100	3620	1061	1190
11612	600	1200	3949	1157	1290
11614	600	1400	4607	1350	1490
11616	600	1600	5265	1543	1690
11618	600	1800	5923	1736	1890
11620	600	2000	6581	1929	2090

IMAS DOUBLE CONVECTOR RADIATORS (TYPE 22)

Code	Height	Width	BTU	WATTS	PIPE CENTRE
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300

22306	300	600	1995	585	690
22308	300	800	2660	780	890
22310	300	1000	3325	974	1090
22312	300	1200	3990	1169	1290
22314	300	1400	4655	1364	1490
22316	300	1600	5320	1559	1690
22318	300	1800	5985	1754	1890
22320	300	2000	6650	1949	2090

400

22406	400	600	2547	746	690
22408	400	800	3396	995	890
22409	400	900	3821	1120	990
22410	400	1000	4245	1244	1090
22411	400	1100	4670	1369	1190
22412	400	1200	5095	1493	1290
22414	400	1400	5944	1742	1490
22416	400	1600	6793	1991	1690
22418	400	1800	7642	2240	1890
22420	400	2000	8491	2488	2090

500

22504	500	400	2049	601	490
22505	500	500	2561	751	590
22506	500	600	3073	901	690
22507	500	700	3585	1051	790
22508	500	800	4097	1201	890
22509	500	900	4610	1351	990
22510	500	1000	5122	1501	1090
22511	500	1100	5634	1651	1190
22512	500	1200	6146	1801	1290
22513	500	1300	6658	1951	1390
22514	500	1400	7171	2102	1490
22515	500	1500	7683	2252	1590
22516	500	1600	8195	2402	1690
22518	500	1800	9219	2702	1890
22520	500	2000	10244	3002	2090

600

22605	600	500	3045	892	590
22606	600	600	3654	1071	690
22607	600	700	4263	1249	790
22608	600	800	4872	1428	890
22609	600	900	5481	1606	990
22610	600	1000	6090	1785	1090
22611	600	1100	6699	1963	1190
22612	600	1200	7308	2142	1290
22614	600	1400	8526	2499	1490
22616	600	1600	9744	2856	1690
22618	600	1800	10962	3213	1890
22620	600	2000	12181	3570	2090

PACKING

Each radiator is packed individually with a special cardboard in White colour and then wrapped in a thermo-moulding polyethylene foil. The packing can be used on the building site until the delivery test of the entire heating system. At the end of the building works, it can be removed completely. Radiators are supplied only on demand with brackets, blind plug and air-vent plug included in the packing.

QUALITY

The outputs are in compliance with the European standard EN 442.

- The side panels & grills can be disassembled by means of a tool
- No sharp corners - rounded corners
- Slot in the grill limited to 8 mm

CONNECTIONS

4 fittings with inner thread G 1/2"

DISTANCE BETWEEN CENTRES

For the entire range: height minus 50 mm

REAR ANCHORING

The 4 back handles anchoring elements of the radiators (6 for length from 2000 mm) are not visible and are welded on the back for accurate, easy and rapid installation.

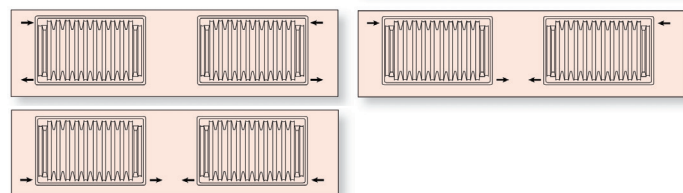
MATERIALS

First quality cold-rolled sheet steel in compliance with DIN 1623 (chemical composition, mechanical characteristics and controlled tolerances).

POSSIBLE CONNECTIONS

TWO-PIPE SYSTEM

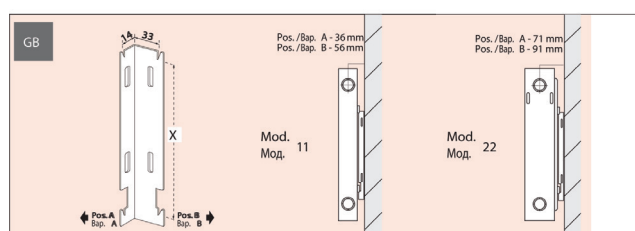
Same side (fluid inlet on the top, fluid outlet at the bottom): all output values provided apply to this kind of connection.
 Opposite sides (fluid inlet on the top, fluid outlet at the bottom): we recommend this type of connection for uniform radiator heating in case of long radiators. Opposite lower sides (fluid inlet at the bottom, fluid outlet at the bottom): this type of connection entails a output reduction of about 10%.



SAFETY

	Standard
Work Pressure Bar	6 bar
Test Pressure	8 bar
Convector	Belt
Thickness (mm)	1
Operating Temp	110°C

STANDARD BRACKETS INCLUDED IN THE PACKING



COATING

The radiators are coated with a three-phase system:

- 1st Phase: hot degreasing, hot zincmanganese basic phosphating.
- 2nd Phase: 1st coat through cataphoretic immersion and baking at 130 °C.
- 3rd Phase: 2nd finishing coat with epoxy powders and baking in oven at 180 °C. White colour.

CONDITIONS

IMAS panel radiators are guaranteed against defects in material or workmanship. The products must be installed and used according to accepted plumbing practices such as BS 5449, NF 047 or other national/local standards. Failure to do so will void the guarantee. Below items must also be followed or else the warranty may be voided:

1. IMAS panel radiators should be used in closed heating systems. Never use in open circuit (steam, thermal spring, boiled water or tap water).
 2. Do not use radiators in humid environments (swimming pool, sauna bath, green house, etc.).
 3. Avoid dropping, hitting or flexing (bending) the radiator when carrying or transporting it. Damage from transportation is not covered under the warranty.
 4. Do not over screw the stoppers, air vents or valves; otherwise the connection thread could be damaged.
 5. Keep the packaging on the radiator even after installing the radiator until all construction or renovation work is finished. The packaging will prevent scratches and damages on the radiator surface or paint.
 6. Please ensure that the connection elements are free of any dirt or burr after the installation. If necessary, flush the system to get rid of particles before testing or using the system.
 7. After the installation the systems should be tested by expertise personnel. Otherwise, damages may occur in the place of installation.
 8. Maximum working pressure of the radiators is 10 bars.
 9. While filling the radiators for the first time, the heating system controls should be closed and the system should be set to the correct pressure.
 10. Never empty the water in the heating system. Add water when needed. Each time you add or change water to your heating system corrosion occurs and its life time will decrease.
 11. Please take precautions against freezing risk.
 12. Use an anti-corrosion agent in the system if the water is aggressive or acidic.
 13. The guarantee does not cover incidental damages caused by IMAS product, cost for change of product, production loss of the customer, loss of profit or other indirect costs.
 14. Any products that are installed in areas of high humidity (including bathrooms and changing rooms, etc) are limited to a twelve months parts and labour warranty. Suitable and sufficient ventilation should be maintained, to prolong the life and finish of the product.
- The period of cover is ten years for steel panel radiators, which, includes the STR, and the emitter for the LST product range.**
- IMAS reserve the right to make a reasonable charge for inspection and testing of products that are subject to a warranty claim. If it is found that the warranty claim is justified then the charge will be refunded in full. Any charges will be made at the discretion of IMAS.