

## FERROLI STEEL PANEL RADIATORS

- 5 different types
- 6 different heights
- 21 different lengths
- High performance
- Durability



# FEATURES



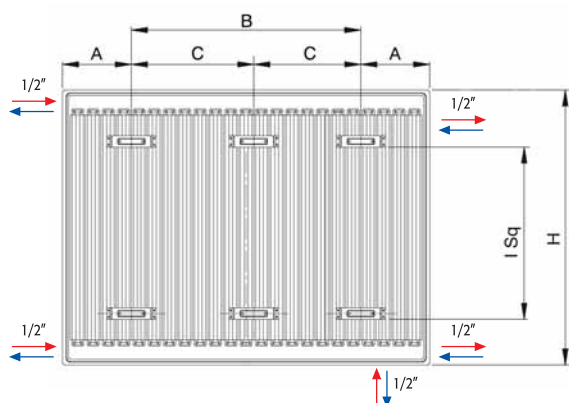
- 5 different types: Type 11, Type 20, Type 21, Type 22, Type 33.
- 6 different heights: 300, 400, 500, 600, 700, 900 mm.
- 21 different lengths between 400 - 3000 mm.
- 4 or 6 connections models total range of 1260 available choices radiators are subjected to surface special treatment to assure a perfect coating and resistance to corrosion.
- Afterwards, radiators are carefully coated with primer paint and RAL 9010 white epoxy polyester powder paint.
- Convectors are directly welded on the wet ducts of the radiator to minimize the thermal losses and get maximum performance.
- Optionally equipped with compact plug or insert regulation valve.
- Maximum working pressure: 10 bars.
- Each radiator is tested at 13 bar pressure.
- Protected against damages during shipping and storage by strong packaging system.
- Easy-to-clean thanks to removable top grills and side covers.
- Ferrol Steel Panel radiators are produced according to EN 442 standard.

## STEEL RADIATORS EQUIPPED WITH COMPACT PLUG/VALVE

Bottom connections radiators equipped with compact plugs/valves allow connections from below. Radiators with insert valves, besides providing efficient and economic heating, keep the connection pipes invisible and thus, are highly aesthetic.



## DIMENSIONS

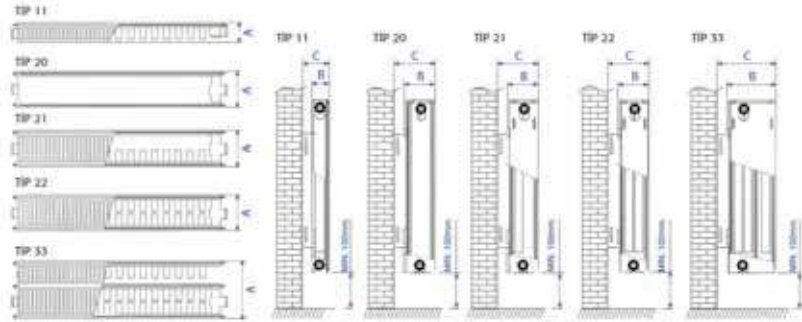


Panel Types 11-20-21-22-33	
H	I Sq
300	142
400	192
500	250
600	347
700	451
900	647

L (mm)	WALL HANGERS QTY	Type 11 (PK)			Type 20 (PP) - Type 21 (PKP) Type 22 (PKKP) - Type 33 (PKKPKP)		
		A (mm)	B (mm)	C (mm)	A (mm)	B (mm)	C (mm)
400	4	83.5	233	-	83.5	233	-
500	4	150	200	-	116.5	267	-
600	4	150	300	-	116.5	367	-
700	4	150	400	-	116.5	467	-
800	4	150	500	-	116.5	567	-
900	4	150	600	-	116.5	667	-
1000	4	150	700	-	116.5	767	-
1100	4	150	800	-	116.5	867	-
1200	4	150	900	-	116.5	967	-
1300	4	150	1000	-	116.5	1067	-
1400	4	150	1100	-	116.5	1167	-
1500	4	150	1200	-	116.5	1267	-
1600	6	150	-	650	116.5	-	683.5
1800	6	150	-	750	116.5	-	783.5
2000	6	150	-	850	116.5	-	883.5
2200	6	150	-	950	116.5	-	983.5
2300	6	150	-	1000	116.5	-	1033.5
2400	6	150	-	1050	116.5	-	1084
2600	6	150	-	1150	116.5	-	1183.5
2800	6	150	-	1250	116.5	-	1283.5
3000	6	150	-	1350	116.5	-	1383.5

As part of its efforts to constantly improve its range of products, with the aim of increasing the level of customer satisfaction, Ferrol informs that the appearance, dimensions, technical data and accessories may be subject to variation.

# RADIATOR TYPES



	Unit	Type 11	Type 20	Type 21	Type 22	Type 33
A						
Radiator thickness	mm	56	66	66	104	160
Radiator thickness with covers	mm	66	66	66	104	160
B						
Radiator thickness with bracket	mm	61	72.2	72.2	110.2	166.2
C						
Total depth with wall hanger (long side)	mm	99	110.2	110.2	148.2	204.2
Total depth with wall hanger (short side)	mm	84	95.2	95.2	133.2	189.2

# STANDARD ACCESSORIES

Ferrolli steel panel radiators are equipped as a standard in the package with wall brackets, fischer screws, one blind plug and one air vent. For 6-connection-radiators, such accessories are available upon request.



# QUALITY PACKAGING

In order to minimize the damages during shipping and storage;

- Side lids of the panel radiator's are covered with cardboard
- Plastic suspension bracket protector placed on suspensions
- Plastic side protectors placed to prevent smashing
- Steel radiator completely covered with bubble nylon and shrinking nylon to be ready for shipping



OUTPUT ACCORDING TO EN442		55/45 °C CH INLET/OUTLET	
ROOM TEMPERATURE		20 °C	
OUTPUT PER METER			
TYPE	H(mm)	(W)	(KCal/h)
11	300	231	198
11	400	311	267
11	500	388	333
11	600	460	395
11	700	525	452
11	900	639	550
20	300	284	244
20	400	361	311
20	500	436	375
20	600	508	437
20	700	578	497
20	900	713	613
21	300	369	317
21	400	472	406
21	500	571	491
21	600	663	570
21	700	750	645
21	900	909	782
22	300	479	412
22	400	611	525
22	500	735	632
22	600	853	733
22	700	974	838
22	900	1210	1041
33	300	688	591
33	400	884	760
33	500	1067	918
33	600	1241	1067
33	700	1396	1200
33	900	1676	1441

# WEIGHT and WATER CONTENT

Type	Height	Unit	300	400	500	600	700	900
11	Weight	kg	7.7	10.4	13.1	15.8	18.6	24.2
	Water content	litre	1.7	2.1	2.6	3.0	3.4	4.2
20	Weight	kg	11.3	15.1	18.9	22.7	26.5	34.0
	Water content	litre	3.3	4.2	5.1	5.9	6.7	8.2
21	Weight	kg	13.3	17.9	22.4	26.9	31.6	40.8
	Water content	litre	3.3	4.2	5.1	5.9	6.7	8.2
22	Weight	kg	15.3	20.5	25.8	31.1	36.6	47.3
	Water content	litre	3.3	4.2	5.1	5.9	6.7	8.2
33	Weight	kg	22.9	30.7	38.6	46.5	54.7	70.7
	Water content	litre	4.4	5.8	7.2	8.6	10.0	12.7



Δ50 °C : Troom = 20 °C Tin= 75 °C Tout = 65 °C  
ΔT60 °C : Troom = 20 °C Tin= 90 °C Tout = 70 °C

THERMAL POWER CHART (Watt)

Height (mm)

Table with columns for TYPE (11, 20, 21, 22, 33), Height (mm), L (mm), n, and Km for various temperature differences (ΔT 50 °C and ΔT 60 °C).

Thermal output in WATT (according to the EN 442 standards, with ΔT = 50 °C & ΔT = 60 °C) - ϕ = Km ΔT^n