



The Quinn Ligna Quattro radiators have a stylish and clean finish, with an elegant smooth front plate with horizontal profiles. These radiators are factory finished with a top grill and decorative side panels.

The elegant front fits perfectly in all modern interiors and is exceptionally easy to maintain.

The Ligna Quattro has 4 connections.

The Ligna Quattro radiator has the highest heat output per m² on the market.

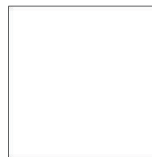
The excellent yield is possible because of the unique concept of pressing the panels.

By using narrower (25mm) and more closely arranged water channels, more convection fins can be attached to the panels. These are welded directly to each water channel, which causes an exponential increase of heat output.

Low water content within the narrow water channels causes the radiator to heat up faster and consequently emit heat more rapidly to the surrounding area.

In addition the welded hanging brackets guarantee a more discrete hanging profile on installation (incl. supplied L-brackets, air vent and blank).

The standard colour for Quinn panel radiators is RAL9016.



RAL9016

The Ligna offers an original design, combined with unrivalled quality.

Our radiators are tested at nationally and internationally acknowledged laboratories and are approved in accordance with BS EN442, CE, NF, Kite mark and DIN.

Quality assurance is backed with Quinn 10-year warranty! (See terms and conditions)



Length	Type 11 - Height						Type 21 - Height					
	300	400	500	600	700	900	300	400	500	600	700	900
400		271	329	384	434			379	451	519	583	
500		339				654		474				876
600		407	494	575	650	785		568	676	778	874	1051
700		475				916		663				1226
800		542	658	767	867	1046		758	902	1038	1166	1401
900		610				1177		852				1576
1000		678	823	959	1084	1308		947	1127	1297	1457	1751
1100		746						1042				1926
1200		814	988	1151	1301			1136	1352	1556	1748	
1400		949	1152	1343	1518			1326	1578	1816	2040	
1600		1085	1317	1534				1515	1803	2075		
1800		1220		1726				1705		2335		
2000		1356	1646	1918				1894	2254	2594		

Length	Type 22 - Height						Type 33 - Height					
	300	400	500	600	700	900	300	400	500	600	700	900
400		528	632	727	817							
500		661				1221						1752
600		793	947	1091	1225	1465			1401	1604	1789	2102
700		925				1709						2453
800		1057	1263	1454	1634	1954		1566	1868	2139	2385	2803
900		1189				2198						3154
1000		1321	1579	1818	2042	2442		1958	2335	2674	2981	3504
1100		1453				2686						3854
1200		1585	1895	2182	2450	2930		2350	2802	3209	3577	4205
1400		1849	2211	2545	2859	3419		2741	3269	3744	4173	4906
1600		2114	2526	2909				3133	3736	4278		
1800		2378		3272				3524		4813		
2000		2642	3158	3636				3916	4670	5348		

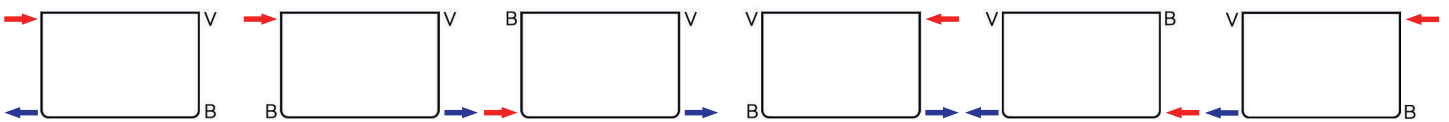
EN 442 All dimensions are in mm.
Heat outputs in Watts - at $\Delta T50$ (75/65/20°C in accordance with EN442)

SKU:

Q XX Y ZZ PH
Q 33 9 08 PH

Type ———
Height ———
Length ———
Ligna Quattro ———

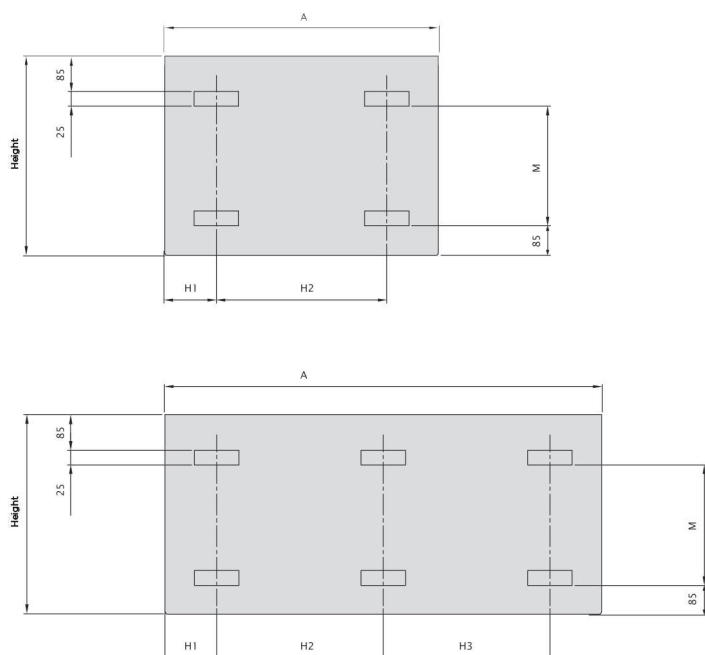
Possible connections



V = Vent | B = Blank

Schedule for lug positions

Type 21, 22 en 33 (rear view)



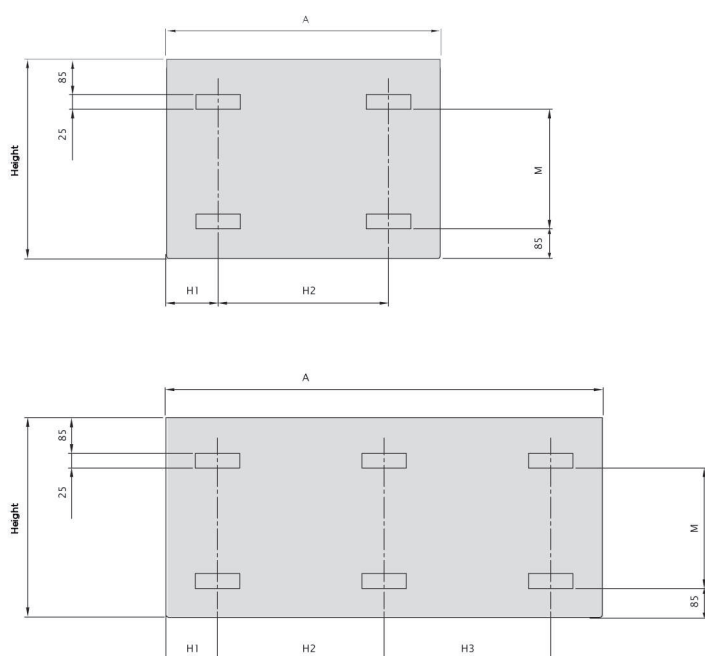
Length	A	H1	H2	H3	Qty.
400	395	122,5	150	-	4
500	495	122,5	250	-	4
600	595	122,5	350	-	4
700	695	122,5	450	-	4
800	795	122,5	550	-	4
900	895	122,5	650	-	4
1000	995	122,5	750	-	4
1100	1095	122,5	850	-	4
1200	1195	122,5	950	-	4
1400	1395	122,5	1150	-	4
1600	1595	122,5	1350	-	4
1800	1795	122,5	775	775	6
2000	1995	122,5	875	875	6

Height	M
400	205
500	305
600	405
700	505
900	705

Attention:

For all type 33 Ligna Quattro radiators in heights 300 and 400 which are positioned in a way that invites people to sit on them, we recommend the use of JBMB-brackets. You will need 2 JBMB-brackets for radiators up to a length of 1600mm included, longer radiators will require 3 JBMB-brackets.

Type 11 (rear view)

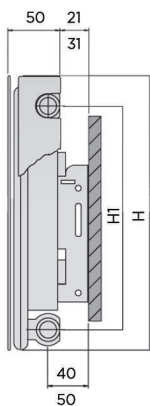


Length	A	H1	H2	H3	Qty.
400	395	135	125	-	4
500	495	160	175	-	4
600	595	160	275	-	4
700	695	160	375	-	4
800	795	160	475	-	4
900	895	160	575	-	4
1000	995	160	675	-	4
1100	1095	160	775	-	4
1200	1195	160	875	-	4
1400	1395	160	1075	-	4
1600	1595	160	1275	-	4
1800	1795	160	750	725	6
2000	1995	160	850	825	6

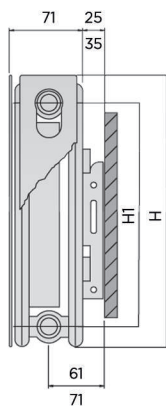
Height	M
400	205
500	305
600	405
700	505
900	705

Side views

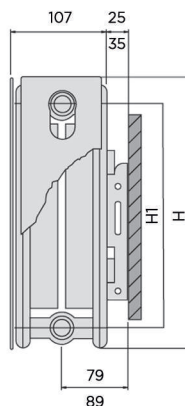
Type 11



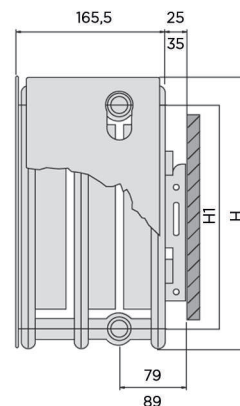
Type 21



Type 22



Type 33

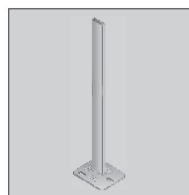


H	400	500	600	700	900
H1	353	453	553	653	853

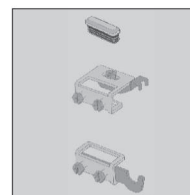
All dimensions are in mm

Floor brackets

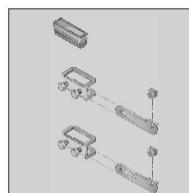
Description	Radiator height	Qty.	SKU
Floor bracket 400mm	400	1	TFC04
Floor bracket 600mm	400-500-600	1	TFC06
Floor bracket 700mm	400-500-600-700	1	TFC07
Floor bracket 800mm	400-500-600-700	1	TFC08
Floor bracket 1100mm	500-600-700-900	1	TFC11
Standard model			TFCSETS
Standard model			TFCSETM
Standard model			TFCSETK



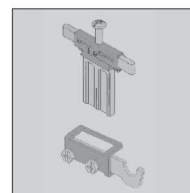
TFC04 - TFC06 - TFC07 - TFC08 - TFC11



TFCSETK

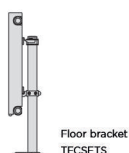


TFCSETS

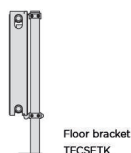


TFCSETM

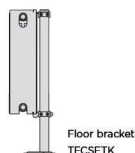
Type 11



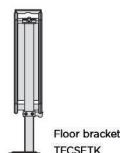
Type 21



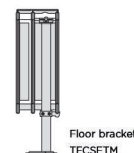
Type 22





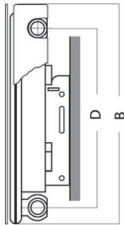
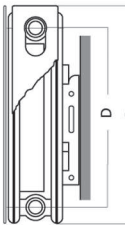

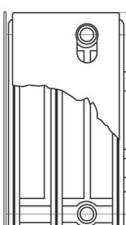


Type 22



Type 33



		Type 11	Type 21	Type 22	Type 33	
B = Height (mm)	D = Distance between connection centers (mm)	Top view				
		Side view				
400	353	W	678	947	1321	1958
		kg	16,98	24,48	28,28	39,58
		L	2,19	4,39	4,39	6,58
		n	1,3358	1,3177	1,3275	1,3358
500	453	W	823	1127	1579	2335
		kg	21,01	30,31	35,41	49,71
		L	2,69	5,38	5,38	8,07
		n	1,3244	1,3244	1,3389	1,3520
600	553	W	959	1297	1818	2674
		kg	25,04	36,24	42,44	59,84
		L	3,19	6,38	6,38	9,56
		n	1,3309	1,3399	1,3504	1,3683
700	653	W	1166	1457	2042	2981
		kg	29,06	42,06	49,56	70,06
		L	3,68	7,37	7,37	11,05
		n	1,3360	1,3502	1,3587	1,3740
900	853	W	1308	1751	2442	3504
		kg	37,22	53,82	63,72	90,32
		L	4,68	9,36	9,36	14,04
		n	1,3462	1,3708	1,3753	1,3853

W = Heat emission in Watts

kg = Weight

L = Water content

n = Coefficient

Above data calculated per meter radiator length at 75/65/20°C in accordance with EN 442.

Suspension brackets Type L

These metal suspension brackets are a standard accessory for all panel radiators (1).

Assembly condition for suspension brackets Type L: It is recommended that the brackets be positioned in the centre of the lug.

The brackets come equipped with anti-vibration plastic saddles that suppress any noise or radiator movement (2). Anti-lift devices (3) can be ordered optionally. These prevent the upward movement from light types of radiators combined with plastic pipes.

Height	Qty.	SKU
400	1	BRXX40012
500	1	BRXX50012
600	1	BRXX60012
700	1	BR3370015
900	1	BR3390015



Types

The Quinn Ligna Quattro radiator is available in type 11, 21, 22 and 33.

Paint

Quinn uses a painting procedure that is used in the automotive industry. All Quinn radiators have been fully treated against rust.

Firstly, they are degreased. Then a water-based electrophoretic base coat is applied. After this, the radiators are powder coated with an epoxy polyester powder.

The total paint coat thickness is 60 micron minimum. This painting procedure protects the radiators against rust, damage and scratching.

Colour

Our standard final coat is a 60% gloss finish RAL 9016 (white).

Heat outputs

The heat outputs from the Quinn Ligna Quattro radiator vary between 271W and 5348W – at ΔT_{50} (75/65/20°C in accordance with EN 442), dependent on the dimensions and the type.

Heights

The Quinn Ligna Quattro radiator is available in heights from 400mm up to 900mm inclusive.

Length

The Quinn Ligna Quattro radiator is available in lengths from 400mm up to 2000mm inclusive.

Dimensional tolerance

All dimensions conform to EN 442-1.

Accessories

The included brackets Type L are easily accessible from the outside of the packaging and guarantee a discrete mounting.

Air vent and blank are included inside the packaging.

Materials

The Quinn Ligna Quattro radiators are manufactured from high quality cold rolled steel.

Working pressure

All radiators are pressure tested at 13 bar and are suitable for a working pressure up to 10 bar. The maximum operating temperature is 110°C (in accordance with EN 442-1).

Steel thickness

All Quinn radiators are produced with high quality cold rolled steel in accordance with EN 442-1. After painting the nominal gauge thickness of the radiator is 1,25mm.

Connections

All radiators are supplied with 4 x ½" BSP connections.

Packaging

In order to avoid any damage during transport and storage, the four sides of each radiator are protected with cardboard. The packaging contains a complete assembly kit, which ensures an easy and quick installation.

It is not necessary to remove the packaging for installation. Therefore the risk of damage is very low.

Warranty

Quinn Ligna Quattro radiators are manufactured to comply with ISO 9001. 10 Year guarantee with all radiators (12 months on any panel products placed in an area of high humidity). Heat outputs have been independently tested and comply with EN 442 at ΔT_{50} (75/65/20°C).

Conversion information (ΔT Factors)

The outputs quoted in this publication are based on ΔT 50°C. To calculate other operating conditions the following example should be applied:

Example:

Add flow water temperature (75°C) and return water temperature (65°C) together (140°C) divide by 2 (70°C) and then subtract the room temperature (20°C). This will give you a ΔT factor of 50°C.

For ΔT factors other than 50°C use the following formula: $(\text{System } \Delta T/50)^n \times \text{catalogue output at } \Delta T_{50}^{\circ}\text{C}$ (where there is no 'n' value stated use 1,3)

Notice

Please ensure that the wall and fixings used are able to support the weight of the radiator, if in doubt seek advice from a qualified professional i.e. Engineer or Architect. Alternative load bearing feet are available on request.

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YOUR WHOLESALER:

Quinn Group Belgium NV
Van Doornelaan 2A
B-2440 Geel
tel.: 0032 (0) 14 50 00 11
fax: 0032 (0) 14 50 75 69
web: www.quinn-radiators.net

QC 08-10-15



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