

CLYDE LINEAR



COMMERCIAL HEATING SOLUTIONS



FLAT PANEL

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A brand of IRSAP, Italy's leading manufacturer of design led radiators.

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Clyde is a brand of the IRSAP, Italy’s leading manufacturer of design led radiators. With over 50 years experience, we have the expertise to produce the best in quality & customer service.

Clyde provides bespoke solutions for LSTs, Cast Iron, Multi Column and Aluminium radiators. With a wide range of traditional and contemporary radiators, Clyde's solution based approach is designed to ensure we supply the ideal solution for all commercial and industrial requirements.

Our dedicated team of technical advisors and estimators will discuss your installation including the calculation of your heat output requirements (from drawings if necessary), arrange a full quotation based on your exact project specifications and provide lead times. They can also arrange a site visit from our National Sales Network if required.

For more information about Clyde or any of our products, please contact our customer service department: 01342 305522 / 305566

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LINEAR TYPE 11



TECHNICAL DATA

PRODUCT FEATURES

- Grooved Front with single flat panel
- Single convector
- 3 heights
- 9 widths
- Pipework connection size is R $\frac{1}{2}$ Flow and Return BOE.
- Test Pressure: 13 Bar
- Max. Operating Pressure: 10 Bar
- Max. Working Temperature: 110°C



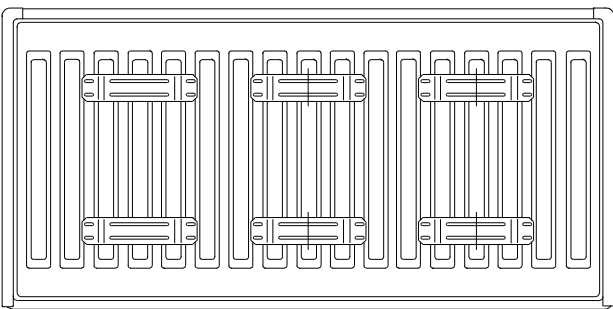
HEAT EMISSION RATES

- $\Delta T50$ (75°C / 65°C / 20°C)
- $\Delta T55.5$ (82°C / 71°C / 21°C)
- $\Delta T60$ (90°C / 70°C / 20°C)
- BS EN 442-1 conditions of $\Delta T50$

RANGE SELECTION

- 3 heights; 400mm, 500mm, 600mm
- 9 widths from 400mm to 1400mm
- BOE (Bottom Opposite End) Connections

TECHNICAL DRAWINGS

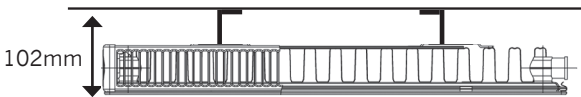


Shorter side of bracket protruding



Pipe centres left to right = Width plus valves
Pipe centres from wall = 48mm
Depth from wall = 82mm

Longer side of bracket protruding



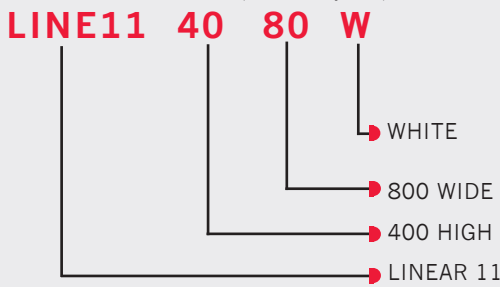
Pipe centres left to right = Width plus valves
Pipe centres from wall = 68mm
Depth from wall = 102mm

TYPE 11 SIZES $\Delta T50$, $\Delta T55.5$ & $\Delta T60$

RADIATOR MODELS & CODES

- Tables below give outputs for each model height at 3 ΔT 's for easy reference.
- 1st column = model reference (see right)
- 2nd = height reference
- 3rd column = width reference
- 4th column = colour reference (white or if choosing a colour please specify RAL Colour see page 10 for full list of colours available)

MODEL CODE (example)



SELECTING YOUR LINEAR TYPE 11;

- Choose model, height, length, depth and output as above

Clyde Model	Dimensions (mm)			Weight (kg)	Output Δt 50°C		Output Δt 55.5°C		Output Δt 60°C	
	Height	Width	Depth		Watts	Btu's	Watts	Btu's	Watts	Btu's
LINE114080	400	800	65	13.62	542	1849	611	2085	678	2313
LINE114010		1000	65	16.84	678	2313	764	2607	848	2893
LINE114012		1200	65	20.10	814	2777	917	3129	1017	3470
LINE115040	500	400	65	65	327	1116	368	1256	409	1396
LINE115060		600	65	13.09	491	1675	553	1887	614	2095
LINE115080		800	65	16.99	654	2231	737	2515	818	2791
LINE115010		1000	65	20.95	818	2791	922	3146	1023	3490
LINE115012		1200	65	24.9	982	3351	1107	3777	1228	4190
LINE116040	600	400	65	65	381	1300	429	1464	477	1628
LINE116060		600	65	15.39	572	1952	645	2201	715	2440
LINE116070		700	65	17.61	667	2276	752	2566	834	2846
LINE116080		800	65	20.00	762	2600	859	2931	953	3252
LINE116090		900	65	22.27	858	2927	967	3299	1073	3661
LINE116010		1000	65	24.88	953	3252	1074	3664	1192	4067
LINE116011		1100	65	27.01	1048	3576	1181	4030	1311	4473
LINE116012		1200	65	29.39	1144	3903	1290	4401	1430	4879
LINE116014		1400	65	34.14	1334	4552	1504	5132	1668	5691

If you are looking to have your Linear Type 11 radiator in an alternative colour we offer a select range of RAL colours, please see page 10 for more information.

LINEAR TYPE 22



TECHNICAL DATA

PRODUCT FEATURES

- Grooved Front with double flat panels
- Double convectors
- 3 heights
- 10 widths
- Pipework connection size is R $\frac{1}{2}$ Flow and Return BOE.
- Test Pressure: 13 Bar
- Max. Operating Pressure: 10 Bar
- Max. Working Temperature: 110°C



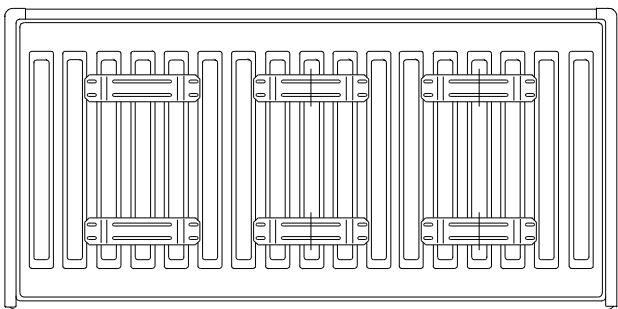
HEAT EMISSION RATES

- $\Delta T50$ (75°C / 65°C / 20°C)
- $\Delta T55.5$ (82°C / 71°C / 21°C)
- $\Delta T60$ (90°C / 70°C / 20°C)
- BS EN 442-1 conditions of $\Delta T50$

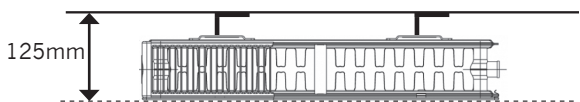
RANGE SELECTION

- 3 heights from 400mm to 600mm
- 10 widths from 400mm to 1600mm
- BOE (Bottom Opposite End) Connections

TECHNICAL DRAWINGS

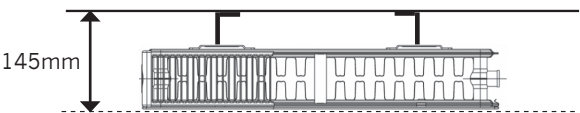


Shorter side of bracket protruding



Pipe centres left to right = Width plus valves
Pipe centres from wall = 73mm
Depth from wall = 125mm

Longer side of bracket protruding



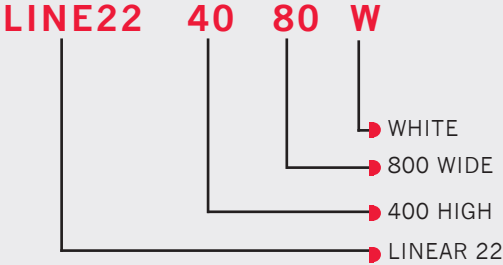
Pipe centres left to right = Width plus valves
Pipe centres from wall = 93mm
Depth from wall = 145mm

TYPE 22 HORIZONTAL SIZES $\Delta T50$, $\Delta T55.5$ & $\Delta T60$

RADIATOR MODELS & CODES

- Tables below give outputs for each model height at 3 ΔT 's for easy reference.
- 1st column = model reference (see right)
- 2nd = height reference
- 3rd column = width reference
- 4th column = colour reference (white or if choosing a colour please specify RAL Colour see page 10 for full list of colours available)

MODEL CODE (example)



SELECTING YOUR LINEAR TYPE 22;

- Choose model, height, length, depth and output as above

Clyde Model	Dimensions (mm)			Weight (kg)	Output Δt 50°C		Output Δt 55.5°C		Output Δt 60°C	
	Height	Width	Depth		Watts	Btu's	Watts	Btu's	Watts	Btu's
LINE224080	400	800	102	21.01	950	3241	1071	3654	1198	4088
LINE224010		1000	102	26.19	1187	4050	1338	4565	1497	5108
LINE224012		1200	102	31.16	1424	4859	1605	5476	1797	6131
LINE225080	500	800	102	24.6	1131	3859	1275	4350	1428	4872
LINE225010		1000	102	30.55	1414	4825	1594	5439	1785	6090
LINE225012		1200	102	36.33	1697	5790	1913	6527	2142	7309
LINE225014	600	1400	102	42.04	1980	6756	2232	7616	2499	8527
LINE226040		400	102	15.85	652	2225	735	2508	824	2811
LINE226060		600	102	22.55	979	3340	1103	3763	1236	4217
LINE226070		700	102	25.91	1142	3897	1287	4391	1442	4920
LINE226080		800	102	29.35	1305	4453	1471	5019	1648	5623
LINE226090		900	102	32.72	1468	5009	1655	5647	1854	6326
LINE226010		1000	102	36.55	1631	5565	1839	6275	2060	7029
LINE226011		1100	102	39.91	1794	6121	2022	6899	2266	7732
LINE226012		1200	102	43.33	1957	6677	2206	7527	2472	8434
LINE226014		1400	102	50.34	2283	7790	2574	8782	2884	9840
LINE226016		1600	102	57.31	2610	8905	2943	10042	3296	11246

If you are looking to have your Linear Type 22 radiator in an alternative colour we offer a select range of RAL colours, please see page 10 for more information.

INSTALLATION

PRELIMARY

Before unpacking, please ensure that the delivered sizes and quantity are correct. Any shortages or damages must be notified to Clyde Radiators in writing within 7 days; Clyde Radiators, 13-14 Charlwoods Road, East Grinstead, West Sussex, RH19 2HU.

Unpack carefully and inspect the convector, cover and fittings, the following items should be identified;

FOR LINEAR TYPE 11 & TYPE 22

- 1 Radiator
- 2 x L – Brackets (3 for 1800 to 2000 wide)
- 4 x Plastic inserts (6 for 1800 to 2000 wide)
- 4 x 6x50 Screw (6 for 1800 to 2000 wide)
- 4 x Washer (6 for 1800 to 2000 wide)
- 4 x Wall plug (6 for 1800 to 2000 wide)

You will need:

- Tape Measure
- Electric drill and bits
- Suitable wall fixings
- Airvent key
- Spirit level
- Spanner for valves and vents

For installation instructions please see opposite page.

INSTALLATION for Linear Type 11 and Type 22

You will see that the universal brackets supplied have a shorter and longer side. Linear flat panel radiators can be hung on either side of the bracket.

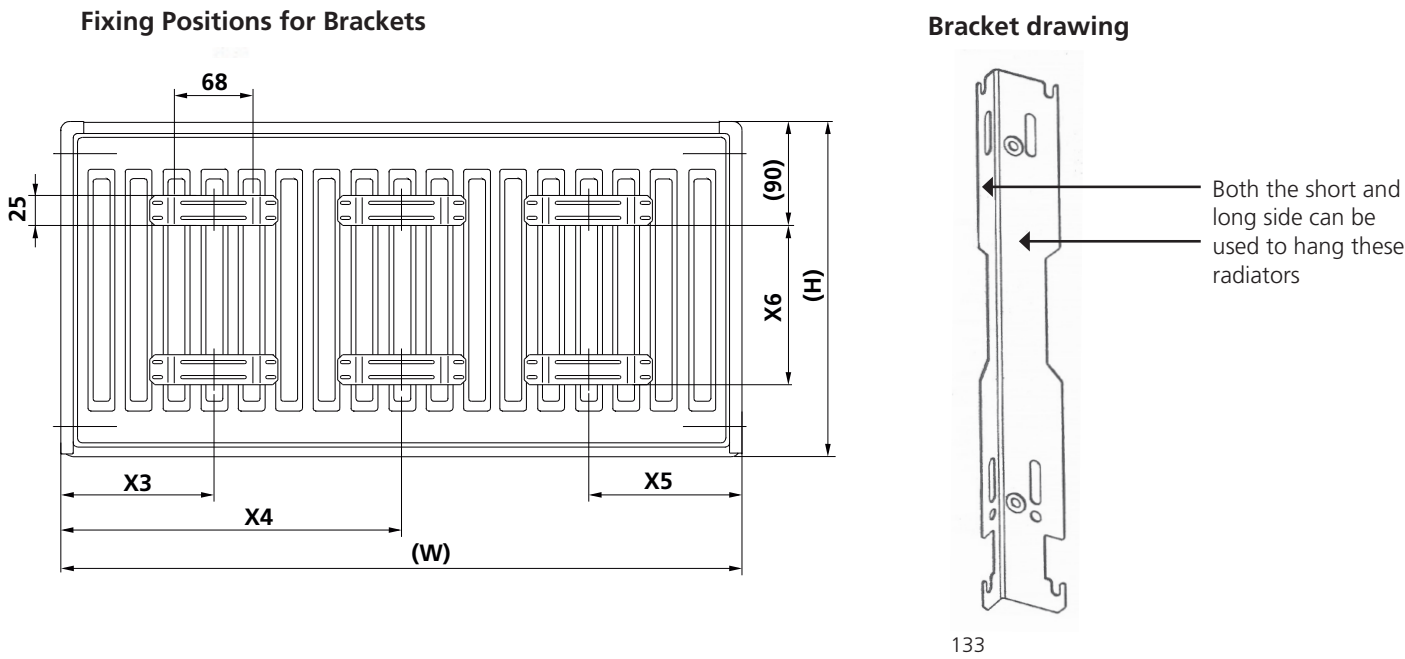
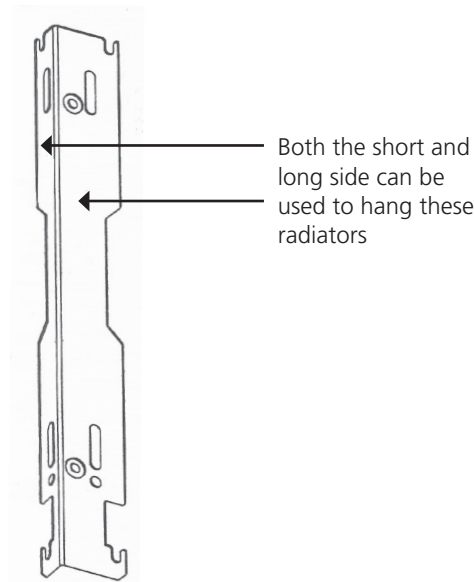


Table of Sizes

Width W (mm)		400	500-1600	1800	2000
X3 / X5	Type 11	117	150	150	150
	Type 22	133	133	133	133
X4	Type 11	-	-	883	983
	Type 22	-	-	900	1000

Height H (mm)	300	400	500	600	900
X6	145	245	345	445	745

FIG 1. LINEAR TYPE 11 & TYPE 22 BRACKET



INSTALLING RADIATOR

1. Position the radiator against the wall in the desired position. Lightly mark either side of the radiator.
2. Mark up position of brackets referring to **Fig 1** for precise measurements. Using a spirit level mark on the vertical lines on bracket positions.
3. Ascertain desired height of radiator and mark. Measure down 112mm from the desired height & mark on vertical line. This will give the position of the top fixing point of the bracket. Offer up bracket to this mark and on the vertical line mark position of lower fixing point. Repeat for other bracket(s) ensuring brackets are straight horizontally.
4. Fix brackets with suitable fixings, fit plastic inserts, hang radiator and fix pipework.

COMMISSION RADIATOR

Please Note: In accordance with Part L1 2006 of the Building Regulations and BS7593:1992 code of practice for the treatment of hot water and central heating systems, we strongly recommend flushing the heating system post installation of new radiators and then adding the correct quantity and type of inhibitor for use with your radiator and system to prevent corrosion. Damage caused to systems not protected by a suitable inhibitor will not be covered by manufacturer's guarantee.

LINEAR FLAT PANEL COLOUR OPTIONS - RAL COLOURS

If you are looking to have your Linear flat panel radiator in an alternative colour we offer the following RAL colour options, please specify chosen colour at time of order.



RAL 1001 - Beige



RAL 1013 - Oyster white



RAL 1015 - Light ivory



RAL 1019 - Grey beige



RAL 3000 - Flame red



RAL 3003 - Ruby red



RAL 3004 - Purple red



RAL 4003 - Heather violet



RAL 5024 - Pastel blue



RAL 6006 - Grey olive



RAL 6013 - Reed green



RAL 7016 - Anthracite grey



RAL 7032 - Pebble grey



RAL 7035 - Light grey



RAL 7040 - Window grey



RAL 7042 - Traffic grey A



RAL 7044 - Silk grey



RAL 8011 - Nut brown



RAL 8025 - Pale brown



RAL 9001 - Cream



RAL 9004 - Signal black



RAL 9005 - Jet black



RAL 9006 - White aluminium



RAL 9007 - Grey aluminium



RAL 9010 - Pure white

The final finish is a satin, almost matt, (30% gloss level) similar to eggshell.
To discuss a quotation for other colours outside of the above range please call 01342 305550

VALVES

Choose an AYR TRV valve to complement your Linear flat panel radiator

AYR TRV

- Pipe centres allow an extra 80mm in total
- Ayr valves are not Bi-directional.
- Available in White or Chrome
- Valve height 125mm
- R½ x 15mm compression in angled or straight
- Supplied in pairs of one thermostatic valve & one lockshield



Choose a SUSSEX TRV valve to complement your Linear flat panel radiator

SUSSEX TRV

- Pipe centres allow an extra 80mm in total
- Kingston TRV valves are not Bi-directional.
- Available in White, Chrome, Nickel, Antique Bronze, Antique Copper
- R½ x 15mm compression in angled or straight
- Supplied in pairs of one thermostatic valve & one lockshield



OTHER CLYDE PRODUCTS

Clyde Radiators

- Lightweight & Efficient Sectional Aluminum
- Sectional Cast Iron in 4 styles
- Sectional Steel Multi Column in over 3200 sizes
- 2 Bespoke LST options, made to specification
- Trench: Practical aluminium convactor for underfloor heating
- Mini: Aluminium and copper convactor, in steel casing with aluminium grille

COMMERCIAL HEATING SOLUTIONS



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