Clyde Radiators

COMMERCIAL HEATING SOLUTIONS

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

Clyde Radiators

TESI

STEEL MULTI COLUMN RADIATORS

EDS 670/9 16.05.23

Contents

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

Tesi

Our Tesi steel multi column range is made in our factories in Italy and is the largest in the UK market. A huge 500,000 sizes can be achieved by combining column depth, height and number of sections. Finished as standard in White RAL 9016 or in a choice of 23 RAL colours, 31 special finishes, 6 feature finishes & lacquer, please specify at time of order.

KEY FEATURES

- 2 - 6 Column options in up to 54 sections made to order
- 25 Heights; 195mm up to 2500mm
- Wall Brackets as standard
- Floor Mounted options; Welded Feet or Cast Feet
- Standard White RAL 9016 plus 23 RAL colours, 31 special finishes & lacquered

10 Year Guarantee *

** Subject to correct handling, installation, water treatment and operation, Clyde Tesi radiators are guaranteed against manufacturing defects for 10 years from date of despatch.*

PACKING, HANDLING AND SITE WORK

- Radiator sections are wrapped in polyethene with polystyrene protectors. Large orders are delivered to site on pallets to facilitate handling. Accessories are delived packed seperately for fitting by the installer.
- It is important that radiators are protected from the elements during offloading and are stored in dry and adequately heated premises.
- To avoid damage to the section joints, radiators must be kept vertical after having been removed from their pallets and whilst being carried to their installation locations. They MUST NOT be carried stretcher fashion. For stock orders, factory welded and tested radiator blocks are warehouse assembled. Non-stock models are despatched as a single welded and tested block from the factory.

TECHNICAL DATA

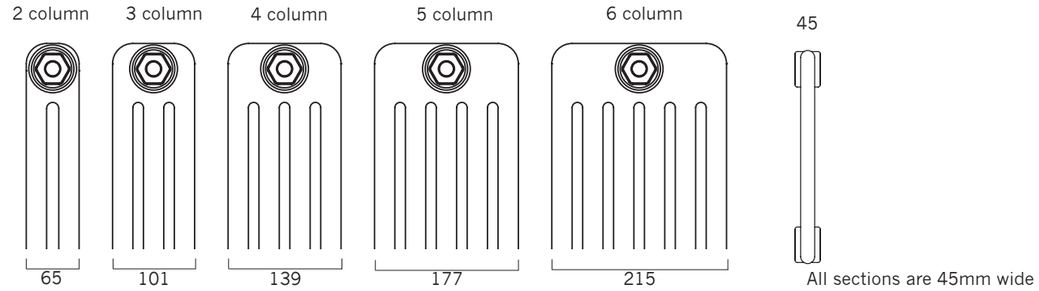
PRODUCT FEATURES

- Open column radiator
- 45mm Sections
- 2 - 6 column options
- 25 Heights
- Choice of Standard Brackets, Cast Feet / Welded Feet
- Manufactured by a UNI EN ISO 9000:2000 certified company from 1.25mm thick tubular steel

APPLICATION

- Tesi radiators are suitable for use in either open vented or sealed heating systems with a maximum operating pressure of 8 bar.

TECHNICAL DRAWINGS & PIPE CENTRES



Pipe Centres for all Tesi's with Standard Wall Brackets & Cast Feet;	
Pipe centres left to right = number of sections x 45mm plus 26mm (13mm each) for bushes plus valves.	
Pipe centres from wall (based on adjustable wall ties)	2 Column = 64mm to 74mm 3 Column = 82mm to 92mm 4 Column = 102mm to 112mm 5 Column = 120mm to 130mm 6 Column = 140mm to 150mm

Note due to manufacturing tolerances widths may vary by +/-2mm

Pipe Centres for Tesi's with Welded Feet
Pipe centres left to right = number of sections x 45mm plus 26mm (13mm each) for bushes plus valves.
Tesi's supplied with Welded Feet can be securely fixed to the floor, therefore allowing it to be positioned anywhere in the room. If you wish to secure the model just using Wall Ties, the pipe centre dimensions will be the same as if using Cast Feet or Wall Brackets.

Note due to manufacturing tolerances widths may vary by +/-2mm

Pipe Centres for Tesi's in a Bare Metal Lacquer finish are available with Universal Wall Brackets or Welded Feet only	
Pipe centres left to right = number of sections x 45mm plus 26mm (13mm each) for bushes plus valves.	
Pipe centres from wall (Universal Wall Brackets or Welded Feet only)	2 Column = 56mm 3 Column = 74mm 4 Column = 93mm 5 Column = 112mm 6 Column = 131mm

Note due to manufacturing tolerances widths may vary by +/-2mm

HEAT EMISSION RATES

- ΔT50 (75°C / 65°C / 20°C)
- ΔT55.5 (82°C / 71°C / 21°C)
- ΔT60 (90°C / 70°C / 20°C)
- BS EN 442-1 conditions of ΔT50

COMMISSIONING

- 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

SECTION EMISSION RATES AND DETAILS

Model	BS EN 442		Emission rates		Recommended Max. No. sections	Section Details						
	75/65/20°C		82/71/21°C	90/70/20°C		Overall Length L mm*	Overall height H mm	Bore centres B mm	Depth D mm	Dry weight kg	Water content litres	Surface area m²
	DT50 watts	Exponents	DT55.5 watts	DT60 watts								
TC200/2	14.9	1.25	17.0	18.7	54	45	194	127	65	0.35	0.30	0.032
TC200/3	20.3	1.29	23.2	25.7	54				101	0.51	0.40	0.047
TC200/4	26.0	1.33	29.8	33.1	54				139	0.71	0.55	0.063
TC200/5	31.7	1.35	36.5	40.5	54				177	0.88	0.62	0.079
TC200/6	37.4	1.37	43.1	48.0	54				215	1.08	0.81	0.095
TC300/2	23.4	1.24	26.7	29.4	54	45	302	235	65	0.51	0.37	0.049
TC300/3	32.5	1.25	37.0	40.8	54				101	0.77	0.52	0.072
TC300/4	42.1	1.26	48.0	52.9	54				139	1.08	0.65	0.097
TC300/5	51.4	1.28	58.7	64.9	54				177	1.32	0.84	0.121
TC300/6	60.7	1.29	69.5	76.9	54				215	1.60	1.05	0.146
TC400/2	30.1	1.25	34.3	37.8	54	45	402	335	65	0.67	0.44	0.065
TC400/3	42.0	1.26	47.9	52.9	54				101	1.02	0.64	0.096
TC400/4	54.6	1.27	62.4	68.9	54				139	1.32	0.83	0.128
TC400/5	66.5	1.29	76.1	84.2	54				177	1.72	1.03	0.160
TC400/6	78.5	1.31	90.0	99.6	54				215	2.09	1.27	0.193
TC500/2	36.7	1.25	41.8	46.1	54	45	502	435	65	0.87	0.52	0.081
TC500/3	51.4	1.27	58.7	64.8	54				101	1.37	0.75	0.119
TC500/4	66.9	1.29	76.5	84.6	54				139	1.79	0.98	0.160
TC500/5	81.3	1.31	93.2	103.2	54				177	2.14	1.22	0.200
TC500/6	95.8	1.33	110.0	122.0	47				215	2.60	1.50	0.240
TC600/2	43.2	1.26	49.2	54.3	54	45	602	535	65	1.06	0.60	0.096
TC600/3	60.6	1.28	69.2	76.5	54				101	1.49	0.86	0.143
TC600/4	79.0	1.30	90.5	100.1	54				139	2.03	1.13	0.191
TC600/5	95.9	1.32	110.1	122.0	47				177	2.63	1.41	0.239
TC600/6	112.8	1.35	129.8	144.2	39				215	3.22	1.76	0.287
TC750/2	52.9	1.27	60.4	66.7	54	45	752	685	65	1.25	0.71	0.120
TC750/3	74.4	1.30	85.2	94.2	54				101	1.89	1.03	0.178
TC750/4	96.8	1.32	111.1	123.2	46				139	2.53	1.36	0.238
TC750/5	117.4	1.35	135.0	150.0	38				177	3.17	1.69	0.298
TC750/6	137.9	1.37	159.1	177.1	32				215	3.92	2.05	0.358

SI conversion factor : 1 watt = 3.412 Btu/h

SECTION EMISSION RATES AND DETAILS

Model	BS EN 442		Emission rates		Recommended Max. No. sections	Section Details						
	75/65/20°C		82/71/21°C	90/70/20°C		Overall Length L mm*	Overall height H mm	Bore centres B mm	Depth D mm	Dry weight kg	Water content litres	Surface area m²
	DT50 watts	Exponents	DT55.5 watts	DT60 watts								
TC900/2	62.7	1.29	71.7	79.2	54	45	902	835	65	1.49	0.83	0.143
TC900/3	87.8	1.31	100.7	111.6	50				101	2.18	1.20	0.213
TC900/4	114.3	1.34	131.5	146.0	39				139	3.10	1.59	0.285
TC900/5	138.5	1.37	159.7	177.8	32				177	3.94	1.98	0.357
TC900/6	162.6	1.40	188.1	209.8	27				215	4.53	2.45	0.429
TC1000/2	69.2	1.29	79.2	87.6	54	45	1002	935	65	1.65	0.90	0.159
TC1000/3	96.8	1.32	111.1	123.1	45				101	2.48	1.32	0.237
TC1000/4	125.9	1.34	144.8	160.8	36				139	3.30	1.74	0.317
TC1000/5	152.4	1.36	175.7	195.4	29				177	4.18	2.17	0.396
TC1000/6	178.9	1.39	206.8	230.4	24				215	5.00	2.65	0.476
TC1500/2	103.0	1.33	118.3	131.3	42	45	1502	1435	65	2.44	1.28	0.238
TC1500/3	141.7	1.33	162.8	180.6	31				101	3.65	1.89	0.355
TC1500/4	182.6	1.33	209.8	232.6	24				139	4.93	2.50	0.474
TC1500/5	220.9	1.34	253.9	281.8	20				177	6.11	3.12	0.592
TC1500/6	259.1	1.35	298.1	331.1	17				215	7.31	3.90	0.711
TC1800/2	124.3	1.33	142.8	158.4	35	45	1802	1735	65	2.91	1.53	0.285
TC1800/3	168.9	1.33	194.1	215.1	26				101	4.36	2.26	0.426
TC1800/4	216.0	1.32	248.0	274.9	20				139	5.83	2.98	0.568
TC1800/5	261.3	1.33	300.1	332.8	17				177	7.22	3.72	0.710
TC1800/6	306.5	1.33	352.2	390.9	15				215	8.64	4.62	0.853
TC2000/2	139.0	1.32	159.5	176.8	31	45	2002	1935	65	3.31	1.66	0.316
TC2000/3	187.2	1.32	214.8	238.1	23				101	4.86	2.46	0.473
TC2000/4	238.1	1.32	273.2	302.7	18				139	6.50	3.25	0.631
TC2000/5	288.0	1.32	330.6	366.6	15				177	8.04	4.07	0.789
TC2000/6	337.9	1.33	388.2	430.7	13				215	9.81	5.00	0.947
TC2500/2	177.8	1.29	203.4	225.1	25	45	2502	2435	65	3.99	2.04	0.395
TC2500/3	233.7	1.30	267.7	296.2	18				101	6.12	3.03	0.590
TC2500/4	292.8	1.31	335.5	371.5	15				139	8.10	4.02	0.788
TC2500/5	354.5	1.31	406.6	450.4	12				177	10.17	5.02	0.985
TC2500/6	416.2	1.32	477.8	529.6	11				215	12.20	6.10	1.183

SI conversion factor : 1 watt = 3.412 Btu/h

TESI QUICK SIZING CHARTS ΔT50 (75°C / 65°C / 20°C)

Model	watts per section	Radiator emission in kilowatts											
		0.6	0.8	1	1.25	1.5	1.75	2	2.5	3	4	5	6
		Nearest number of sections required											
TC200/2	14.9	40	53	—	—	—	—	—	—	—	—	—	—
TC200/3	20.3	27	36	45	—	—	—	—	—	—	—	—	—
TC200/4	26.0	21	27	34	43	51	—	—	—	—	—	—	—
TC200/5	31.7	18	24	29	37	44	52	—	—	—	—	—	—
TC200/6	37.4	16	21	26	32	39	45	52	—	—	—	—	—
TC300/2	23.4	26	35	43	54	—	—	—	—	—	—	—	—
TC300/3	32.5	19	25	31	39	46	54	—	—	—	—	—	—
TC300/4	42.1	14	19	24	30	36	42	48	—	—	—	—	—
TC300/5	51.4	12	16	20	25	30	35	40	50	—	—	—	—
TC300/6	60.7	10	13	17	21	25	29	33	42	50	—	—	—
TC400/2	30.1	20	27	33	42	50	—	—	—	—	—	—	—
TC400/3	42.0	14	18	23	29	35	40	46	—	—	—	—	—
TC400/4	54.6	11	14	18	23	27	32	36	45	54	—	—	—
TC400/5	66.5	9	12	15	18	22	26	29	37	44	—	—	—
TC400/6	78.5	8	10	13	16	19	22	25	32	38	51	—	—
TC500/2	36.7	16	21	26	32	39	45	52	—	—	—	—	—
TC500/3	51.4	11	15	18	23	28	32	37	46	—	—	—	—
TC500/4	66.9	9	12	15	18	22	26	29	36	44	—	—	—
TC500/5	81.3	7	9	12	15	18	21	24	30	36	47	—	—
TC500/6	95.8	6	8	10	13	15	18	20	25	30	40	50	—
TC600/2	43.2	13	17	22	27	32	38	43	54	—	—	—	—
TC600/3	60.6	9	13	16	20	23	27	31	39	47	—	—	—
TC600/4	79.0	7	10	12	15	18	22	25	31	37	49	—	—
TC600/5	95.9	6	8	10	12	15	17	20	25	30	40	50	—
TC600/6	112.8	5	7	8	10	13	15	17	21	25	34	42	50
TC750/2	52.9	10	14	17	21	26	30	34	43	51	—	—	—
TC750/3	74.4	8	10	13	16	19	22	25	31	38	50	—	—
TC750/4	96.8	6	8	10	12	15	17	20	25	30	40	50	—
TC750/5	117.4	5	6	8	10	12	14	16	20	24	32	40	48
TC750/6	137.9	4	6	7	9	10	12	14	17	21	28	34	41

TESI QUICK SIZING CHARTS ΔT50 (75°C / 65°C / 20°C)

Model	watts per section	Radiator emission in kilowatts											
		0.6	0.8	1	1.25	1.5	1.75	2	2.5	3	4	5	6
		Nearest number of sections required											
TC900/2	62.7	8	11	14	18	21	25	28	35	42	—	—	—
TC900/3	87.8	6	9	11	13	16	19	21	27	32	43	53	—
TC900/4	114.3	5	7	8	11	13	15	17	21	25	34	42	51
TC900/5	138.5	4	5	7	9	10	12	14	17	21	27	34	41
TC900/6	162.6	—	5	6	7	9	10	12	14	17	23	29	35
TC1000/2	69.2	8	10	13	16	19	23	26	32	39	52	—	—
TC1000/3	96.8	6	8	10	12	15	17	19	24	29	39	48	—
TC1000/4	125.9	5	6	8	10	11	13	15	19	23	31	38	46
TC1000/5	152.4	4	5	6	8	9	11	12	16	19	25	31	37
TC1000/6	178.9	—	4	5	7	8	9	11	13	16	21	26	32
TC1500/2	103.0	5	7	9	11	13	16	18	22	27	36	45	54
TC1500/3	141.7	4	5	7	8	10	12	13	16	20	26	33	40
TC1500/4	182.6	—	4	5	7	8	9	10	13	16	21	26	31
TC1500/5	220.9	—	4	4	5	7	8	9	11	13	18	22	26
TC1500/6	259.1	—	—	4	5	6	7	8	9	11	15	19	23
TC1800/2	124.3	5	6	8	9	11	13	15	19	23	30	38	46
TC1800/3	168.9	—	4	6	7	8	10	11	14	17	22	28	33
TC1800/4	216.0	—	4	4	6	7	8	9	11	13	18	22	26
TC1800/5	261.3	—	—	4	5	6	6	7	9	11	15	18	22
TC1800/6	306.5	—	—	—	4	5	6	6	8	10	13	16	19
TC2000/2	139.0	4	5	7	8	10	12	13	17	20	27	34	40
TC2000/3	187.2	—	4	5	6	8	9	10	13	15	20	25	30
TC2000/4	238.1	—	—	4	5	6	7	8	10	12	16	20	24
TC2000/5	288.0	—	—	—	4	5	6	7	8	10	13	17	20
TC2000/6	337.9	—	—	—	4	4	5	6	7	9	11	14	17
TC2500/2	177.8	—	4	5	7	8	10	11	14	16	22	27	33
TC2500/3	233.7	—	—	4	5	6	7	8	10	12	16	20	24
TC2500/4	292.8	—	—	—	4	5	6	6	8	10	13	16	19
TC2500/5	354.5	—	—	—	—	4	5	5	7	8	11	14	16
TC2500/6	416.2	—	—	—	—	4	4	5	6	7	9	12	14

TESI QUICK SIZING CHARTS ΔT55.5 (82°C / 71°C / 21°C)

Model	watts per section	Radiator emission in kilowatts											
		0.6	0.8	1	1.25	1.5	1.75	2	2.5	3	4	5	6
		Nearest number of sections required											
TC200/2	17.0	35	47	—	—	—	—	—	—	—	—	—	—
TC200/3	23.2	24	31	39	49	—	—	—	—	—	—	—	—
TC200/4	29.8	18	24	30	37	45	52	—	—	—	—	—	—
TC200/5	36.5	15	21	26	32	39	45	52	—	—	—	—	—
TC200/6	43.1	14	18	23	28	34	39	45	—	—	—	—	—
TC300/2	26.7	23	30	38	47	—	—	—	—	—	—	—	—
TC300/3	37.0	16	22	27	34	41	47	54	—	—	—	—	—
TC300/4	48.0	13	17	21	26	31	37	42	52	—	—	—	—
TC300/5	58.7	10	14	17	22	26	30	35	43	52	—	—	—
TC300/6	69.5	9	12	15	18	22	25	29	36	44	—	—	—
TC400/2	34.3	17	23	29	36	44	51	—	—	—	—	—	—
TC400/3	47.9	12	16	20	25	30	35	40	50	—	—	—	—
TC400/4	62.4	9	13	16	20	24	28	32	39	47	—	—	—
TC400/5	76.1	8	10	13	16	19	23	26	32	39	51	—	—
TC400/6	90.0	7	9	11	14	17	19	22	28	33	44	—	—
TC500/2	41.8	14	18	23	28	34	39	45	—	—	—	—	—
TC500/3	58.7	10	13	16	20	24	28	32	40	48	—	—	—
TC500/4	76.5	8	10	13	16	19	22	25	32	38	51	—	—
TC500/5	93.2	6	8	10	13	15	18	21	26	31	41	52	—
TC500/6	110.0	5	7	9	11	13	15	18	22	26	35	44	53
TC600/2	49.2	11	15	19	23	28	33	38	47	—	—	—	—
TC600/3	69.2	8	11	14	17	20	24	27	34	41	—	—	—
TC600/4	90.5	6	9	11	13	16	19	21	27	32	43	54	—
TC600/5	110.1	5	7	9	11	13	15	17	22	26	35	44	52
TC600/6	129.8	4	6	7	9	11	13	15	18	22	29	37	44
TC750/2	60.4	9	12	15	19	22	26	30	37	45	—	—	—
TC750/3	85.2	7	9	11	14	16	19	22	27	33	44	—	—
TC750/4	111.1	5	7	9	11	13	15	17	22	26	35	43	52
TC750/5	135.0	4	6	7	9	11	12	14	18	21	28	35	42
TC750/6	159.1	4	5	6	8	9	11	12	15	18	24	30	36

TESI QUICK SIZING CHARTS ΔT55.5 (82°C / 71°C / 21°C)

Model	watts per section	Radiator emission in kilowatts											
		0.6	0.8	1	1.25	1.5	1.75	2	2.5	3	4	5	6
		Nearest number of sections required											
TC900/2	71.7	7	10	12	15	18	22	25	31	37	49	—	—
TC900/3	100.7	6	7	9	12	14	16	19	23	28	37	46	—
TC900/4	131.5	4	6	7	9	11	13	15	18	22	29	37	44
TC900/5	159.7	4	5	6	7	9	10	12	15	18	24	30	36
TC900/6	188.1	—	4	5	6	8	9	10	13	15	20	25	30
TC1000/2	79.2	7	9	11	14	17	20	23	28	34	45	—	—
TC1000/3	111.1	5	7	8	11	13	15	17	21	25	34	42	51
TC1000/4	144.8	4	5	7	8	10	12	13	17	20	27	33	40
TC1000/5	175.7	—	4	5	7	8	10	11	14	16	22	27	33
TC1000/6	206.8	—	4	5	6	7	8	9	11	14	18	23	28
TC1500/2	118.3	5	6	8	10	12	14	16	19	23	31	39	47
TC1500/3	162.8	—	5	6	7	9	10	12	14	17	23	29	35
TC1500/4	209.8	—	4	5	6	7	8	9	11	14	18	23	27
TC1500/5	253.9	—	—	4	5	6	7	8	10	12	15	19	23
TC1500/6	298.1	—	—	—	4	5	6	7	8	10	13	17	20
TC1800/2	142.8	4	5	7	8	10	12	13	17	20	26	33	40
TC1800/3	194.1	—	4	5	6	7	8	10	12	15	19	24	29
TC1800/4	248.0	—	—	4	5	6	7	8	10	12	15	19	23
TC1800/5	300.1	—	—	—	4	5	6	6	8	10	13	16	19
TC1800/6	352.2	—	—	—	—	4	5	6	7	8	11	14	17
TC2000/2	159.5	4	5	6	7	9	10	12	15	18	24	29	35
TC2000/3	214.8	—	—	4	5	7	8	9	11	13	17	22	26
TC2000/4	273.2	—	—	—	4	5	6	7	9	10	14	17	21
TC2000/5	330.6	—	—	—	4	4	5	6	7	9	12	15	18
TC2000/6	338.2	—	—	—	—	4	4	5	6	8	10	13	15
TC2500/2	203.4	—	4	5	6	7	8	9	12	14	19	24	28
TC2500/3	267.7	—	—	—	4	5	6	7	9	10	14	17	21
TC2500/4	335.5	—	—	—	4	4	5	6	7	8	11	14	17
TC2500/5	406.6	—	—	—	—	4	4	5	6	7	10	12	14
TC2500/6	477.8	—	—	—	—	—	4	4	5	6	8	10	12

Tesi QUICK SIZING CHARTS ΔT60 (90°C / 70°C / 20°C)

Model	watts per section	Radiator emission in kilowatts											
		0.6	0.8	1	1.25	1.5	1.75	2	2.5	3	4	5	6
		Nearest number of sections required											
TC200/2	18.7	32	42	53	—	—	—	—	—	—	—	—	—
TC200/3	25.7	21	28	36	44	53	—	—	—	—	—	—	—
TC200/4	33.1	16	22	27	34	41	47	54	—	—	—	—	—
TC200/5	40.5	14	19	23	29	35	41	47	—	—	—	—	—
TC200/6	48.0	12	16	20	25	31	36	41	51	—	—	—	—
TC300/2	29.4	21	27	34	43	51	—	—	—	—	—	—	—
TC300/3	40.8	15	20	24	31	37	43	49	—	—	—	—	—
TC300/4	52.9	11	15	19	24	28	33	38	47	—	—	—	—
TC300/5	64.9	9	12	16	20	23	27	31	39	47	—	—	—
TC300/6	76.9	8	11	13	16	20	23	26	33	39	53	—	—
TC400/2	37.8	16	21	26	33	39	46	53	—	—	—	—	—
TC400/3	52.9	11	15	18	23	27	32	36	45	—	—	—	—
TC400/4	68.9	9	11	14	18	21	25	29	36	43	—	—	—
TC400/5	84.2	7	9	12	15	17	20	23	29	35	46	—	—
TC400/6	99.6	6	8	10	12	15	17	20	25	30	40	50	—
TC500/2	46.1	12	16	20	25	31	36	41	51	—	—	—	—
TC500/3	64.8	9	12	15	18	22	25	29	36	44	—	—	—
TC500/4	84.6	7	9	12	14	17	20	23	29	35	46	—	—
TC500/5	103.2	6	7	9	12	14	16	19	23	28	37	47	—
TC500/6	122.0	5	6	8	10	12	14	16	20	24	32	40	48
TC600/2	54.3	10	14	17	21	25	30	34	42	51	—	—	—
TC600/3	76.5	7	10	12	15	19	22	25	31	37	49	—	—
TC600/4	100.1	6	8	10	12	15	17	19	24	29	39	49	—
TC600/5	122.0	5	6	8	10	12	14	16	20	24	31	39	47
TC600/6	144.2	4	5	7	8	10	12	13	17	20	26	33	40
TC750/2	66.7	8	11	13	17	20	24	27	34	40	54	—	—
TC750/3	94.2	6	8	10	12	15	17	20	25	30	40	49	—
TC750/4	123.2	5	6	8	10	12	14	16	20	23	31	39	47
TC750/5	150.0	4	5	6	8	10	11	13	16	19	25	32	38
TC750/6	177.1	—	4	5	7	8	10	11	14	16	22	27	33

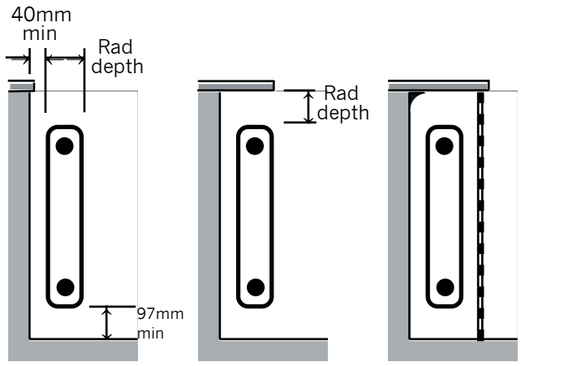
Tesi QUICK SIZING CHARTS ΔT60 (90°C / 70°C / 20°C)

Model	watts per section	Radiator emission in kilowatts											
		0.6	0.8	1	1.25	1.5	1.75	2	2.5	3	4	5	6
		Nearest number of sections required											
TC900/2	79.2	7	9	11	14	17	19	22	28	33	44	—	—
TC900/3	111.6	5	7	8	11	13	15	17	21	25	34	42	50
TC900/4	146.0	4	5	7	8	10	12	13	17	20	27	33	40
TC900/5	177.8	—	4	5	7	8	9	11	14	16	22	27	32
TC900/6	209.8	—	4	5	6	7	8	9	11	14	18	23	27
TC1000/2	87.6	6	8	10	13	15	18	20	25	31	41	51	—
TC1000/3	123.1	5	6	8	10	11	13	15	19	23	31	38	46
TC1000/4	160.8	4	5	6	8	9	11	12	15	18	24	30	36
TC1000/5	195.4	—	4	5	6	7	9	10	12	15	20	25	30
TC1000/6	230.4	—	—	4	5	6	7	8	10	12	17	21	25
TC1500/2	131.3	4	6	7	9	11	12	14	18	21	28	35	42
TC1500/3	180.6	—	4	5	7	8	9	10	13	16	21	26	31
TC1500/4	232.6	—	—	4	5	6	7	8	10	12	17	21	25
TC1500/5	281.8	—	—	—	4	5	6	7	9	10	14	17	21
TC1500/6	331.1	—	—	—	4	4	5	6	7	9	12	15	18
TC1800/2	158.4	4	5	6	7	9	10	12	15	18	24	30	36
TC1800/3	215.1	—	4	4	5	7	8	9	11	13	18	22	26
TC1800/4	274.9	—	—	—	4	5	6	7	9	10	14	17	21
TC1800/5	332.8	—	—	—	4	4	5	6	7	9	12	15	17
TC1800/6	390.9	—	—	—	—	4	4	5	6	8	10	13	15
TC2000/2	176.8	—	4	5	7	8	9	11	13	16	21	27	32
TC2000/3	238.1	—	—	4	5	6	7	8	10	12	16	20	24
TC2000/4	302.7	—	—	—	4	5	5	6	8	9	13	16	19
TC2000/5	366.6	—	—	—	—	4	5	5	7	8	11	13	16
TC2000/6	430.7	—	—	—	—	—	4	5	6	7	9	11	14
TC2500/2	225.1	—	—	4	5	6	8	9	11	13	17	21	26
TC2500/3	296.2	—	—	—	4	5	6	6	8	9	13	16	19
TC2500/4	371.5	—	—	—	—	4	4	5	6	8	10	13	15
TC2500/5	450.4	—	—	—	—	—	4	4	5	6	9	11	13
TC2500/6	529.6	—	—	—	—	—	—	4	5	6	7	9	11

FIXING AND ENCLOSURES

It is recommended that radiators are installed with a minimum gap of 97mm above floor level. A full width window sill above the radiator extending the depth of the radiator will reduce emission rates by approximately 4%.

Boxing of radiator or the use of decorative enclosures will reduce emission rate by upwards of 15%, according to the design of the boxing. Any restriction of the free flow of air over the radiator surface is detrimental to convected heat emission. Obscuring the front surface of the radiator elimiates the beneficial effect of radiated heat.



No loss
IDEAL

Approx 4% loss
DEEP WINDOW SILL

Upwards of 15% loss
ENCLOSURE

FIXING ARRANGEMENTS, WALL BRACKETS AND FLOOR MOUNTS

Always use Clyde radiator brackets, supports and ties. Clyde offer 3 different types of mounting options; standard wall brackets, welded feet and cast feet (see drawings below), all are supplied with appropriate wall ties. If the wall on which the radiators are being installed is solid and sound, then wall mounting using standard wall brackets and ties is recommended. If the wall is generally unsound, a studwork partition wall or built of low density cellular blocks, welded feet or cast feet with wall ties are recommended. For pipe centre information please refer to page 5.

Please note: Tesi's in a Bare Metal Lacquer are only available to be mounted with universal wall brackets or welded feet (see page 5 for pipe centre information).

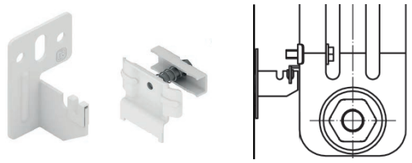
If the walls are not sound or are partition walls and the radiator is to be wall mounted, there must be studwork capable of supporting the weight of the filled radiator. Special arrangements may be necessary for partition walling, dry lined and composite walls (eg flint aggregate) which are commonly encountered in period restoration projects. Pipework should never be used to provide support for the radiator.

Assembling instructions are supplied with all Clyde radiator wall brackets, floor mounts and wall ties.

All screw fixes and wall plugs must be proprietory fittings selected by the installer to be suitable for the construction and fabric of the wall to which the supports, mounts and stays are being fixed. Fibre or ceramic plug materials should not be used as these degrade in time and become unreliable.

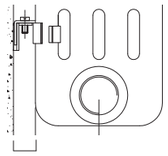
PLEASE NOTE: We will supply the correct number of brackets and wall ties with each order; prices for extra brackets / feet & wall ties are available on request.

Standard Wall Brackets



Can be positioned at any height (minimum height from floor 100mm); brackets are supplied with raw plugs.

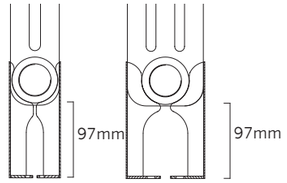
Universal Wall Brackets (Bare Metal Lacquer Tesi's only)



Universal Wall Brackets act as wall ties and are supplied with Welded Feet Bare Metal Lacquer Tesi's. They can be positioned at any height (minimum height from floor 100mm); brackets are supplied with raw plugs.

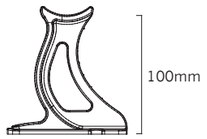
Welded Feet

2 column (only) 3 - 6 column



Cast Feet (not suitable for Bare Metal Lacquer finishes)

If ordered position evenly between sections beneath the radiator.



Wall tie; adjusts from 32 to 42mm

Supplied with every order *(excluding Bare Metal Lacquer Tesi's)*

CONNECTIONS

A set of connection fittings is provided for each radiator.

Each set comprises :

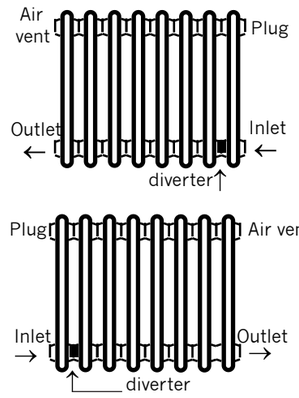
2 x R1¼ x R½ pipe connection bushes

1 x R1¼ plug (RH thread)

1 x R1¼ vent bush (LH thread) and R½ vent valve.

Radiators are normally installed with either BOE (bottom opposite end) or TBOE (top & bottom opposite end) connections. Unless notified at time of order, radiators are supplied with ½" BOE connections as standard. If you require different connections please contact us on 01342 305550 for more information.

For installations with BOE connections, a diverter (supplied) should be fitted at the inlet connection for all radiators.



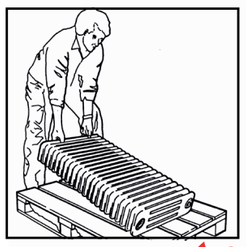
BOE connections

TBOE connections

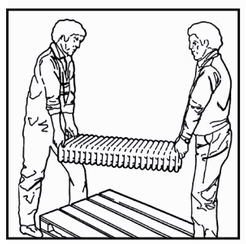
IMPORTANT : Inspect the radiator for any damage before installing and filling with water.

CARRYING RADIATORS

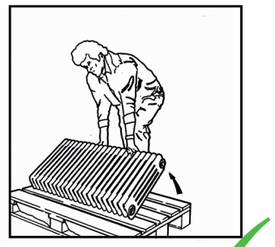
Steel Multi Column radiators are heavy. Always provide sufficient manpower to make carrying safe. Incorrect handling of radiator blocks can cause water leaks from section joints. Lift the radiators blocks in the centre to bring them to the vertical position before lifting and carrying. Never carry radiators stretcher fashion.



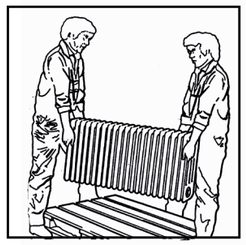
DO NOT
Lift from one end



DO NOT
Carry radiators flat



ALWAYS
Lift in centre



ALWAYS
Keep sections vertical

TESI COLOUR OPTIONS

If you are looking to have your Tesi steel multi column radiator in an alternative colour we offer a choice of 188 RAL colours (23 of our most popular RAL's are shown below) please call customer services on **01342 305550** for a RAL chart.
Your chosen RAL colour must be specified 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 9010 · Pure white

To discuss a quotation for other colours outside of the above range please call 01342 305550

TESI COLOUR OPTIONS

Choose from 31 Special finishes; Sparkles, Metallics, Textured, Mottled and Matt, please specify chosen colour at time of order.

Sparkle / Metallics

Pearl White

Quartz

Sand

Sahara

Sunstone

Ancient Bronze

Pearl Grey

Platinum

Grey Sparkle

Titanium Grey

Gun Metal Grey

Azurite

Black Sparkle

Grey Aluminium

White Aluminium

Textured / Mottled

Textured Ivory

Textured Matt Black

Mottled Silver

Mottled Copper

Matt

Matt White

Sienna Brown

Grey Skies

Matt Black

Carbon

Matt Anthracite

Red Oxide

Matt Beige

Matt Ochre

Rose Blush

Sage Green

Powder Blue

BARE METAL LACQUER

This finish highlights the raw basic steel product showcasing the manufacturing marks created by the processes of welding and sanding to deliver an industrial look. Each radiator will be unique, with the random position of the weld lines on the column tubes and the level of the final sanding.
The clear lacquer allows these characteristics to be the hero and maintains the natural steel finish.

VALVES

Choose one of our TRV valves to complement your steel multi column radiator, see below and right for details

AYR TRV

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

ESTATE TRV

- Height of Wheelhead 127mm
- Available in Brass & Chrome
- Straight or Angled
- For angled valves allow an extra 80mm in total
- Estate TRV's are not Bi-directional
- Supplied in pairs of one thermostatic valve & one lockshield
- R½ x 15mm compression angled valves

TRADITIONAL TRV

- Height of Wheelhead 115mm
- Chrome and Nickel finishes supplied with a Black top
- Antique Copper, Antique Brass and Polished Brass supplied with a Walnut top
- For angled valve allow an extra 90mm in total
- Traditional TRV's are not Bi-directional
- Supplied in pairs of one thermostatic valve & one lockshield
- R½ x 15mm compression angled valves

VALVES

Choose one of our TRV valves to complement your steel multi column radiator, see below for details

TRADITIONAL XL TRV

- Height of Wheelhead 160mm
- Available in Chrome, Nickel & Antique Brass supplied with a Black top
- Available in Antique Copper & Polished Brass supplied with a Walnut top
- For angled valve allow an extra 120mm in total
- Traditional XL TRV's are not Bi-directional
- Supplied in pairs of one thermostatic valve & one lockshield
- R½ x 15mm compression angled valves

OTHER CLYDE PRODUCTS

Clyde Radiators

COMMERCIAL HEATING SOLUTIONS

- 4 Flat Panel radiators
- Lightweight & Efficient Sectional Aluminum
- Sectional Cast Iron in 4 styles
- 2 Bespoke LST options, made to specification

- Trench: Practical aluminium convector for underfloor heating
- Mini: Aluminium and copper convector, in steel casing with aluminium grille

www.clyderadiators.co.uk