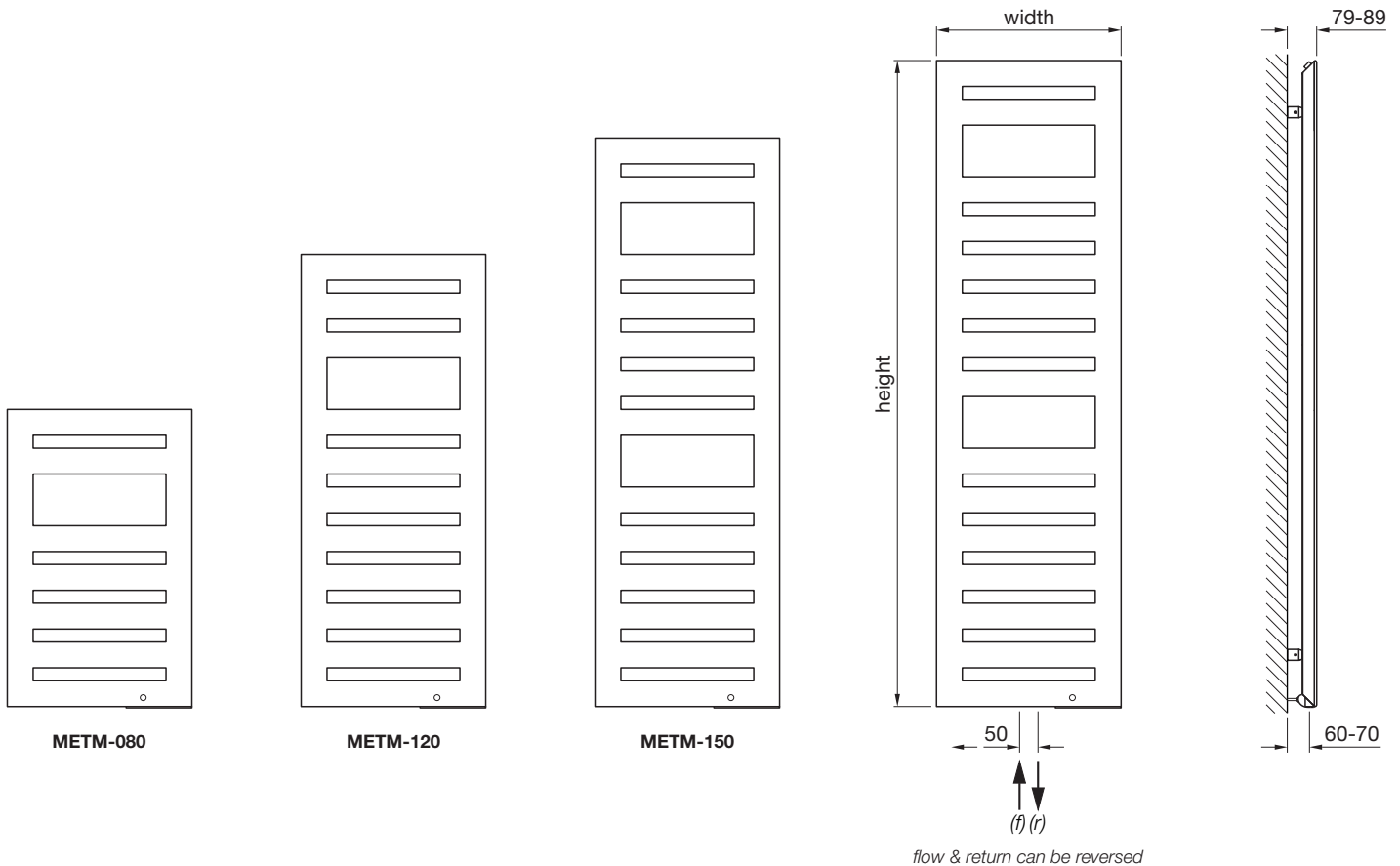


# Zehnder Metropolitan Spa Dual Energy



All dimensions shown are in millimetres

Test pressure: **6.8 BAR**  
 Max working pressure: **4 BAR**  
 Max working temperature: **110° C**  
 All steel construction: **70mm x 39mm triangular tube frame**  
**70mm x 8mm flat tubes**  
 Pipe Connections: **½ inch BSP underside tappings**  
 Electrical connections: **1.2m long flying lead (2 core)**

**Not suitable for use on domestic hot water system**

Heat output determined in accordance with EN 442  
 Test Laboratory: HLK Stuttgart, Test Lab No: 0626

\* Radio Frequency Remote Programmer IPX4-IK09

Model	Height ± 2mm	Width ± 2mm	Finish	Pipe Centres ± 2mm	Output ΔT=50K		Output ΔT=30K		n	Weight kg	Water Content litres	Electric Rating* Watts
					Watts	Btu	Watts	Btu				
METM-080-040/GF	805	400	painted	50	327	1116	173	590	1.25	7.0	3.5	300
METM-120-040/GF	1225	400	painted	50	474	1617	249	850	1.26	10.3	4.9	500
METM-120-050/GF	1225	500	painted	50	561	1914	295	1007	1.26	12.2	5.5	500
METM-120-060/GF	1225	600	painted	50	645	2201	337	1150	1.27	15.0	6.1	600
METM-150-050/GF	1540	500	painted	50	690	2354	361	1232	1.27	14.0	6.2	600
METM-150-060/GF	1540	600	painted	50	792	2702	412	1406	1.28	16.1	7.0	750
METM-180-050/GF	1750	500	painted	50	775	2644	407	1389	1.26	16.8	7.6	750

Issue 1.0



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# Zehnder Metropolitan Spa Dual Energy



## Tools & Material Required

Suitable valves  
 PTFE tape  
 Silicone thread sealant  
 Tape measure  
 Allen key - 13mm & 12mm (when installing Zehnder valves)  
 Spanner - 13mm & 14mm  
 Screwdriver - crosshead  
 Pliers  
 Electric drill  
 Masonry drill bit  
 Spirit level  
 Stepladder (for taller radiators)

Key	Component	Qty
A	Air Vent - 1/2"	1
B	Boss	4
C	Wall Plug	4
D	Bracket	4
E	Screw, 6mm dia x 50mm	4
F	Washer	4
G	Grub Screw	4
H	Allen Key	1

## Assembly Instructions

Sufficient PTFE tape must be applied to valve-tail threads prior to their installation.  
 Silicone thread sealant should be applied to all threaded components manufactured with 'O-rings'.

- Fit valve tails, using correct size Allen key.
- Fit air vent (A).
- Screw bosses (B) to studs on the back of the radiator.
- Accurately mark out bracket holes on wall using spirit level.
- Drill four holes to a minimum depth of 65mm & insert wall plugs (C).
- Attach brackets (D) to wall with screws (E) & washers (F).
- Hang radiator onto wall by inserting bosses (B) into brackets (D).
- Tighten grub screws (G) with Allen key (H).
- Plumb radiator to heating circuit with flow opposite air vent.

This radiator should be installed onto a central heating system that has been cleaned/flushed and contains water treatment and inhibitors in accordance with Bs7593.

Electric radiators should be fitted only by a qualified electrician and must be earthed and connected to a cable outlet in the bathroom in accordance with I.E.E. wiring regulations. The electrical connection should be made to a '5 amp fused fixed spur' located outside the bathroom.

Note: for maintenance purposes, cable outlets must remain accessible and cables must not be buried directly into walls.

