

<b>Model</b>	<b>MWU 250KT-S1</b>
Item No.	502-025-101
Nominal Heating Capacity kW <sup>*1</sup>	20.4
Heating Capacity Range kW	4.6 ~ 25.5
Input Power kW <sup>*1</sup>	5.0
COP <sup>*1</sup>	4.08
Unit Controller	UC8
Design HEX differential °C	10
Water Flow rate l/min. <sup>*1</sup>	29
Min./Max. Inlet Water temp. °C (Heating)	10 / 35
Min. Operating temp. °C	-10
Design Water Temperature (EWT/LWT) °C	25 / 35
Entering Pressure Drop kPa <sup>*2</sup>	55 (8 psi)
Heat Exchanger	Thermoshell®
Max. Operating Water Pressure kPa	1000 (145 psi)
Electronic Expansion Valves	1
Refrigerant	R410A
Refrigerant Charge kg	2.7
Compressor type	Inverter scroll
Compressor oil type	POE 32-3MAF (or equivalent)
Power supply <sup>*4</sup>	3 ph. 400V ac 50Hz + N + E
Running current A	8.5 / 9.5 / 8.5
Max. Running Current A	16 / 18 / 16
RCD type recommended	type B, 30mA, 3 pole
Water connections	1" BSP male (x2)
Sound Power <sup>*3</sup> (SWL) dB(A)	73
Sound Pressure @ 3m (SPL) dB(A)	57
Fan type	3 speed Axial 500mm
Pump type	Integrated BLDC
Max. Head Delivery of Pump m	8
Max. External System Resistance kPa <sup>*2</sup>	14.7
Communication Options	BMS / Modbus
Net weight kg (excl. water)	169
Shipping weight kg	178

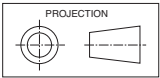
<sup>\*1</sup> Rating conditions: 7/6 °C db/wb outdoor ambient; EWT 25°C; LWT 35°C

<sup>\*2</sup> Pressure drop at Water Flow rate and rating conditions above.

<sup>\*3</sup> Radiated. BS 848.2 : 2004. Direct method of measurement (reverberant room).

<sup>\*4</sup> Voltage range: 376– 440 V.

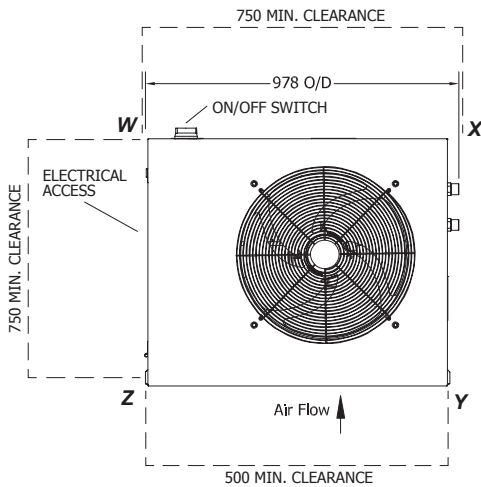
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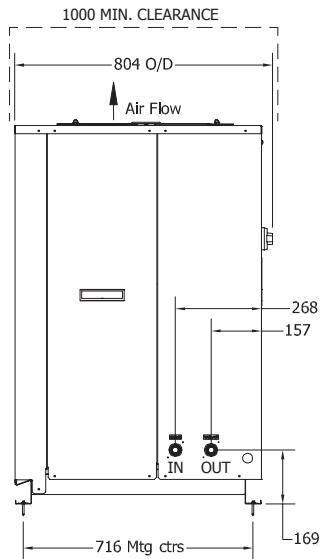
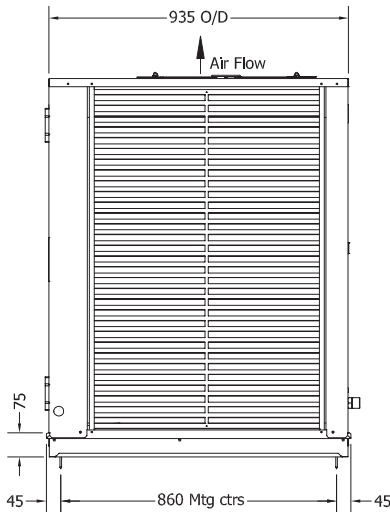
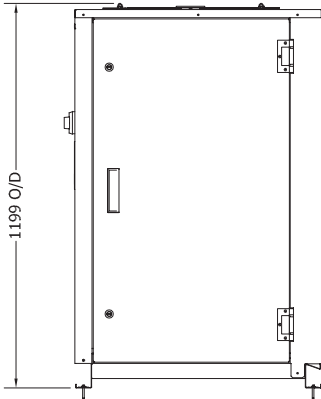
Not to Scale

MWU 250KT

POINT LOADS (kg)				
W	X	Y	Z	
50	41	42	36	



Water Conns:  
2x BSP Male 25.4mm (1")



**NOTE**  
Specifications are subject to change without notice due to the manufacturer's ongoing research and development programme.



