

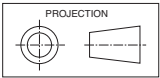
Model	MWU 180KS-S1
Item No.	502-018-101
Nominal Heating Capacity kW * ¹	16.1
Heating Capacity Range kW	3.7 ~ 20.0
Input Power kW * ¹	3.9
COP * ¹	4.11
Unit Controller	UC8
Design HEX differential °C	10
Water Flow rate l/min. * ¹	23
Min./Max. Inlet Water temp. °C (Heating)	10 / 35
Min. Operating temp. °C	-10
Design Water Temperature (EWT/LWT) °C	25 / 35
Entering Pressure Drop kPa * ²	34 (5 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 * ³	1 ph. 230 V ac 50 Hz + N + E
Running current A	18
Max. Running Current A	29
RCD type recommended	type F, 30mA, 1 pole
Water connections	1" BSP male (x2)
Sound Power * ⁴ (SWL) dB(A)	72
Sound Pressure @ 3m (SPL) dB(A)	56
Fan type	3 speed Axial 500mm
Pump type	Integrated BLDC
Max. Head Delivery of Pump m	8
Max. External System Resistance kPa * ²	24
Communication Options	BMS / Modbus
Net weight (excl. water) kg	169

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

*² Max. Pressure drop at Water Flow rate and rating conditions above.

*³ Voltage range: 220–240 V.

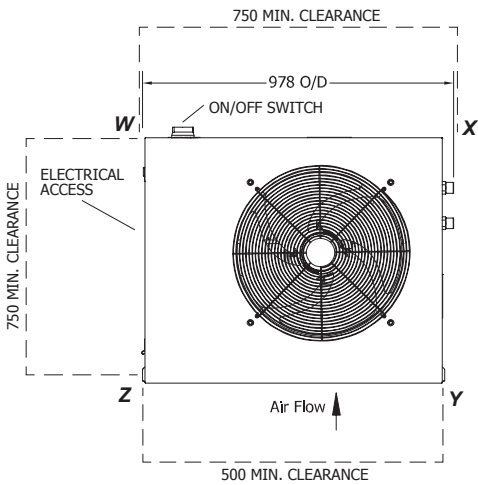
*⁴ Radiated. BS 848.2 : 2004. Direct method of measurement (reverberant room).



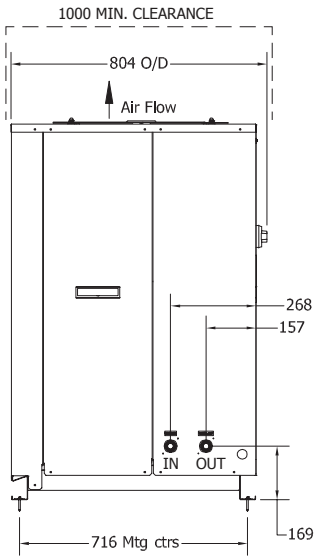
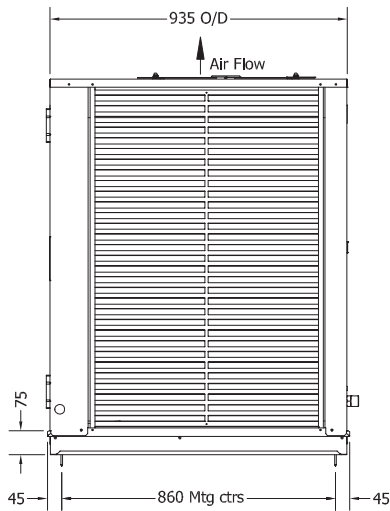
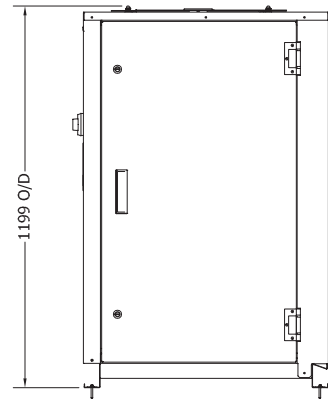
Not to Scale

MWU 180KS

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.

