

Model	MWU 450KT-S1
Item No.	502-045-101
Nominal Heating Capacity kW * ¹	37.5
Heating Capacity Range kW	8.5 ~ 46.5
Input Power kW * ¹	9.3
COP * ¹	4.04
Unit Controller	UC8
Design HEX differential °C	10
Water Flow rate l/min. * ¹	54
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	21 (3 psi)
Heat Exchanger	Thermoshell® (x3)
Max. Operating Water Pressure kPa	1000 (145 psi)
Electronic Expansion Valves	2
Refrigerant	R410A
Refrigerant Charge kg	6.3
Compressor type	Inverter scroll
Compressor oil type	PVE FVC68D (or equivalent)
Power supply * ⁴	3 ph. 400V ac 50Hz + N + E
Running current A	16 / 18 / 16
Max. Running Current A	30 / 33 / 30
RCD type recommended	type B, 30mA, 3 pole
Water connections	1 1/4" BSP male (x2)
Sound Power * ³ (SWL) dB(A)	75
Sound Pressure @ 3m (SPL) dB(A)	59
Fan type	3 spd Axial 500mm (x2)
Pump type	Integrated BLDC
Max. Head Delivery of Pump m	8
Max. External System Resistance kPa * ²	29
Communication Options	BMS / Modbus
Net weight (excl. water) kg	322
Shipping weight kg	336

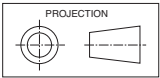
*¹ Rating conditions: 7/6 °C db/wb outdoor ambient; EWT 25°C; LWT 35°C

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

*³ Radiated. BS 848.2 : 2004. Direct method of measurement (reverberant room).

*⁴ Voltage range: 380–440V.

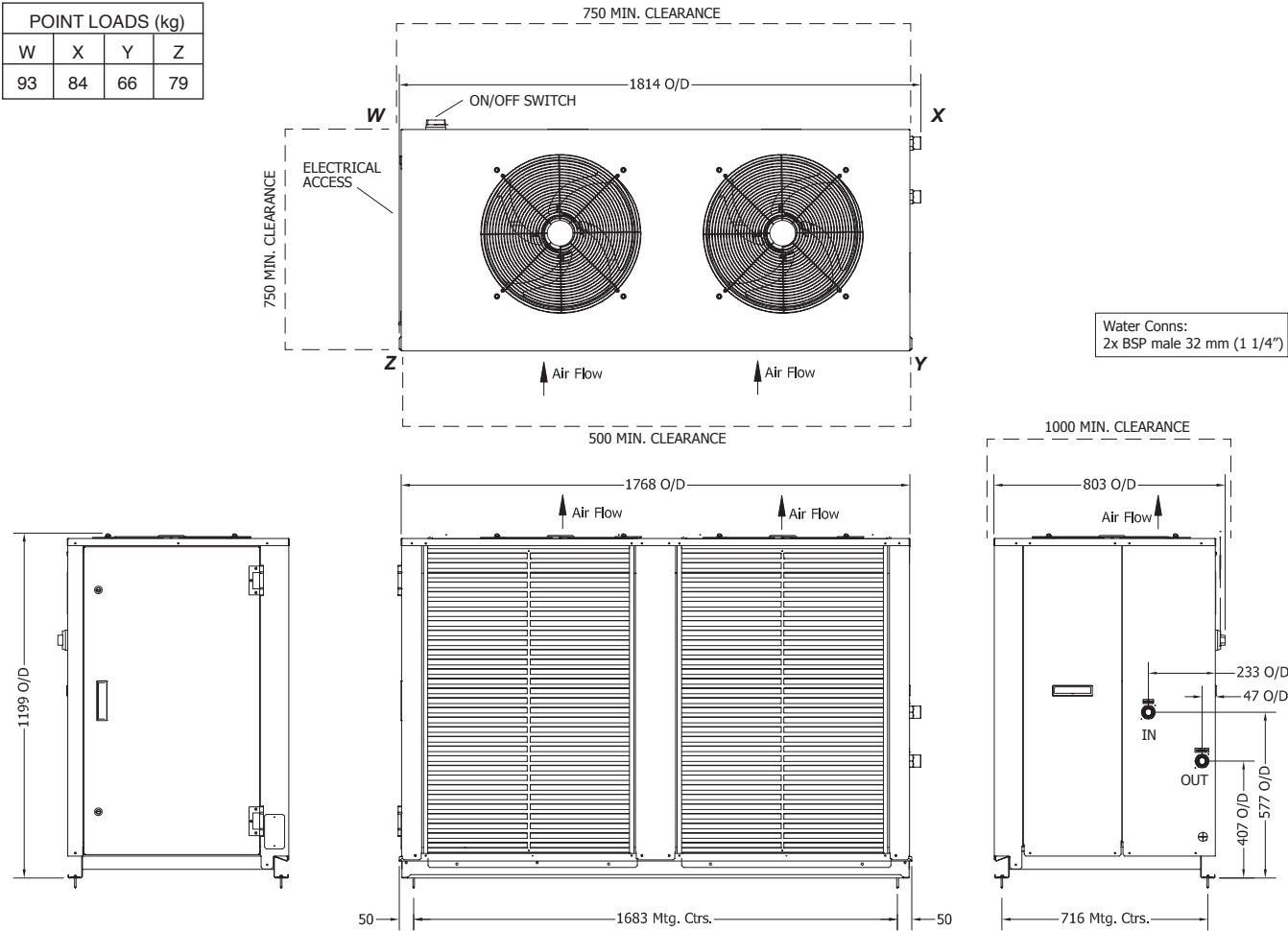
19006



Not to Scale

MWU 450KT

POINT LOADS (kg)			
W	X	Y	Z
93	84	66	79



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

