

SPECIFICATIONS



Air Handling Unit	(345-180-XYZ / 345-185-000) ¹	MT 180
Nominal Air Volume ²		5 000 l/s
Nominal Cooling Capacity ³	4 row	114 kW
	6 row	140 kW
	8 row	157 kW
Nominal Heating Capacity ⁴	1 row	128 kW
	2 row	122 kW
Fan type		EC plug (x2)
Fan motor size (3ph.)		2800 W / 500 mm dia.
Unit Max. running amps (total)		8.8 A /ph.
Protection Rating		IP4X
Power supply ⁵		3 ph. 400 V ac 50 Hz + N + E
RCD type recommended		type A, 30 mA, 3 pole
Net weight – fan coil section		429 – 522 kg ⁶
Net weight – plenum section – bare		184 kg
Net weight – plenum section – damper mix		215 kg
Shipping weight – fan coil section		498 – 591 kg ⁶
Shipping weight – plenum section – bare		247 kg
Shipping weight – plenum section – damper mix		278 kg

Accessories:

Filter - rated EU4/G4 disposable	019-000-158 594 x 594 x 44 (x6)
Filter - rated EU4/G4 washable	019-400-140 594 x 594 x 46 (x6)
Filter - rated F7 bag type	019-400-153 592 x 592 x 600 (x6)
Filter - rated F9 cartridge type	019-400-160 592 x 592 x 292 (x6)

Optional:

Chilled water coil 1/2"	4 / 6 / 8 row
Hot water coil 1/2"	1 / 2 row

Refer to temperzone for other options, eg remote sensors

¹ X = cooling coil rows, Y = heating coil rows and Z = handing. (Fan Coil Section / Plenum Section {bare})

² Based on 2.5 m/s coil face velocity

³ Cooling at nominal air flow, EAT 27 °C db / 19 °C wb, EWT 6°C, LWT 13°C.

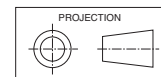
⁴ Heating at nominal air flow, EAT 15 °C, EWT 80°C, LWT 60°C.

⁵ Voltage range: 380–440V

⁶ Depending on coil configuration; refer table below.

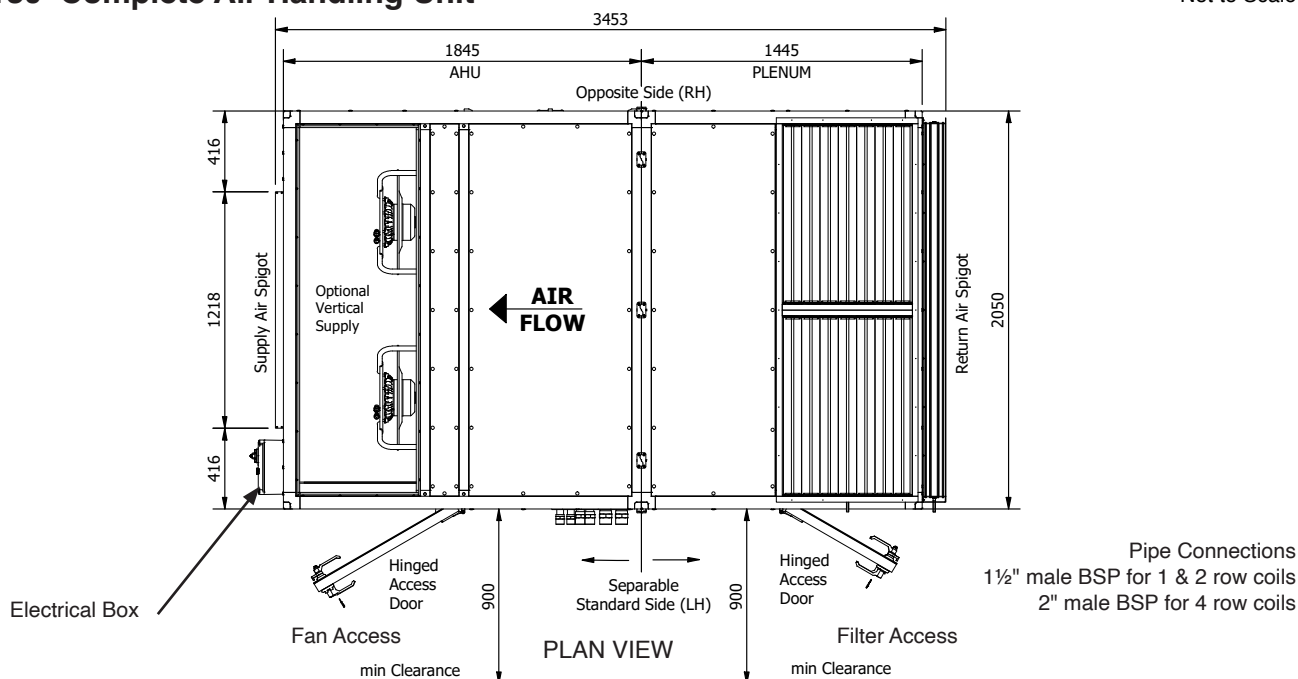
MT180 AHU		MT180 PLENUM	
COIL CONFIG	WEIGHT (kg)	CONFIGURATION	WEIGHT (kg)
4C 1H	464	HORIZONTAL BARE	184
6C 1H	511	VERTICAL BARE	199
4C 2H	481	DAMPER MIX	215
6C 2H	528		
4C 0H	435		
6C 0H	481		

Note: Weights (net) are approximate

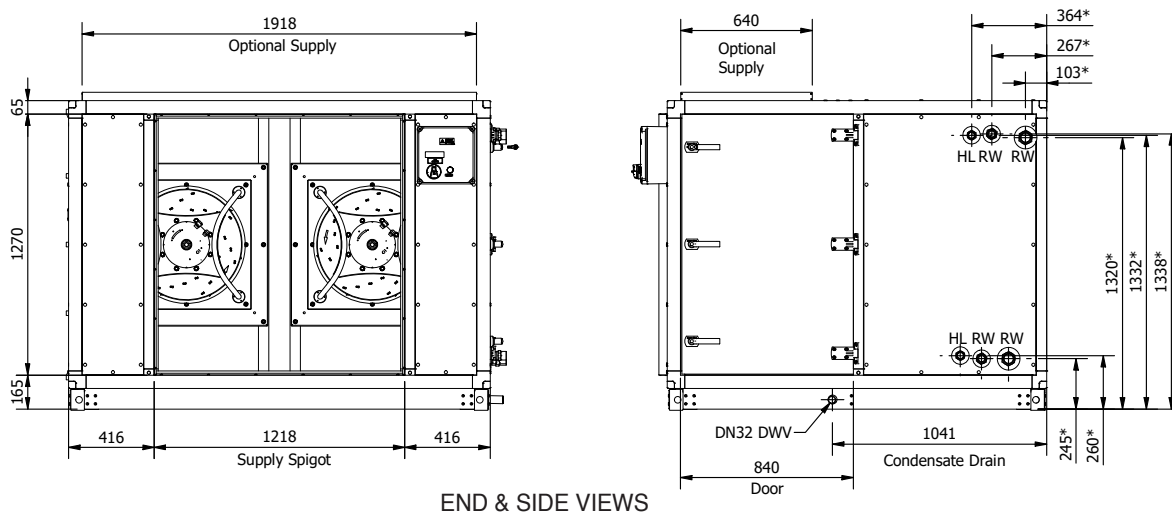


MT 180 Complete Air Handling Unit

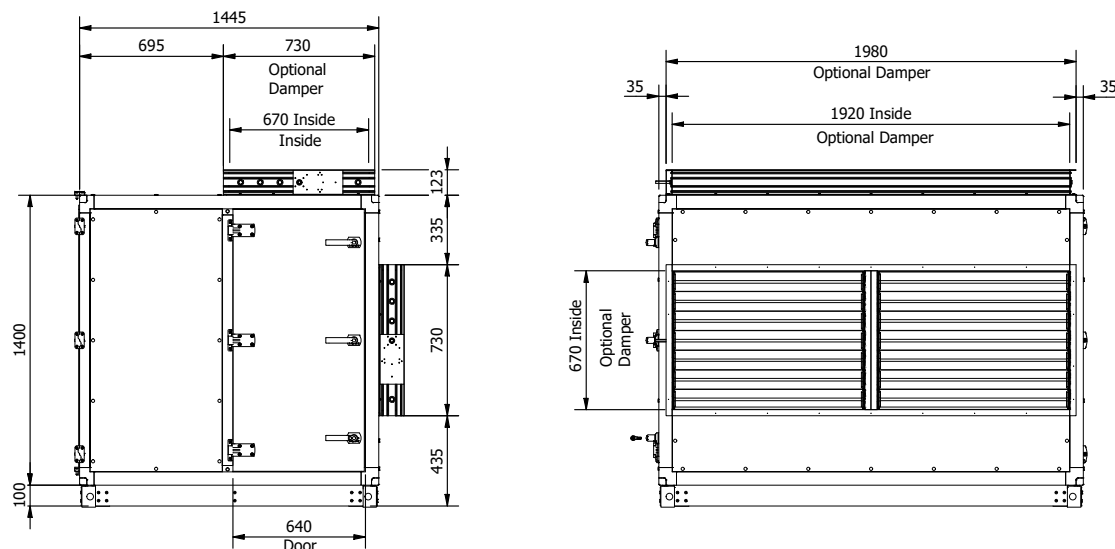
Not to Scale



MT 180 Fan Coil Section



MT 180 Plenum Section



NOTE

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

REV	DESCRIPTION	ECN	DATE	APPROVED
A	Initial Release		31/03/23	A.V
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