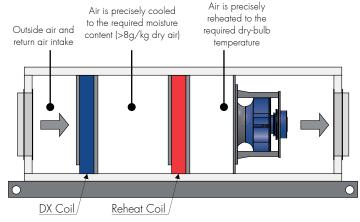
Technical Data







Contact your Air Change representative for a psychrometric unit selection

Airflow					
Supply Air		10001/s (nominal)			
Outside Air	0 - 10	0 - 100% as per project requirements			
Refrigeration					
Cooling Capacity		Sized to project requirements			
Supply Air Moist	re Content	>8 g/kg dry air			
Cooling Stage		DX Coil (modulating capacity)			
Reheat Stage	Hot Gas Re	eheat Coil (modulating capacity)			
Compressor Type	Varia	ble Speed Scroll (BLDC Inverter)			
Reheat Valve	Modul	ating 3-Way Refrigeration Valve			
Refrigerant		R-410A			
Reverse Cycle		Available upon request			
Fans					
Туре		EC Plug			
Total Fans		x1 (nominal selection*)			
Nominal Power		2.5 kW (nominal selection*)			
Fan Diameter		350 mm (nominal selection*)			

77	runs	
	Туре	EC Plug
	Total Fans	x1 (nominal selection*)
	Nominal Power	2.5 kW (nominal selection*)
	Fan Diameter	350 mm (nominal selection*)
Ā	Fan Speed (max.)	2970 RPM (nominal selection*)
Supply	Motor Efficiency Class	IE4
אַ ק	Ingress Protection Class	IP54
	Impeller Construction	Non-metallic Composite
	Speed Control	Integrated Constant Volume Control
		or via External Speed Signal

*	Supply	air far	n selectio	n options	are	available.

[†] Condenser fan selection is dependent on the required cooling capacity.

IS.	🕠 Fans	
	Туре	EC Axial
	Total Fans	x1 (nominal selection†)
	Nominal Power	3.1 kW (nominal selection [†])
Ŋ.	Fan Diameter	800 mm (nominal selection [†])
Condencer	Fan Speed (max.)	1100 RPM (nominal selection [†])
<u> </u>	Motor Efficiency Class	IE4
S	Ingress Protection Class	IP54
	Speed Control	Integrated Head Pressure Control
6	Electrical & Controls	
	Electrical Input	415V / 3 ph / 50 Hz
	Full Load Amps	Refer to PCU-N-D 10 electrical page
	Controls	ClimaSync Control System included
		(refer to PCU ClimaSync page)

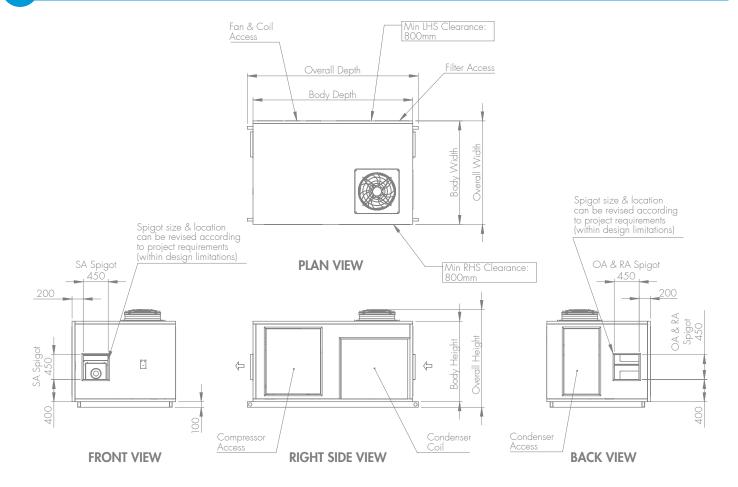
	(reter to PCU ClimaSync page)
Cabinet	
Weatherproof	Yes
Panel Construction	50 mm PIR Sandwich Panel
(FA	A Approved 4880/4881 - Class 1)
Panel Finish	Colorbond "Surfmist"
Panel R-Value	$2.63\mathrm{K.m^2/W}$
Panel Joiner Material	UV Resistant Polymer
Base Frame	Galvanised Steel with Lifting Lugs
Condenser Configurations	Split or Packaged
Filter Section	Optional with Split Configuration
Deep Be	ed included with Packaged Config.



Dimensions



Packaged Configuration (Filter Section for 550mm Deep Bed Filters Included)*



Indicative Packaged Configuration Dimensions

	Required Cooling Capacity					
	25kWr	40kWr	55kWr			
Overall Depth (mm)	3100	3100	3100			
Body Depth (mm)	2900	2900	2900			
Overall Width (mm)	1900	1900	2050			
Body Width (mm)	1900	1900	2050			
Overall Height (mm)	1650	1750	2000			
Body Height (mm)	1300	1400	1600			
Weight (kg)		900				

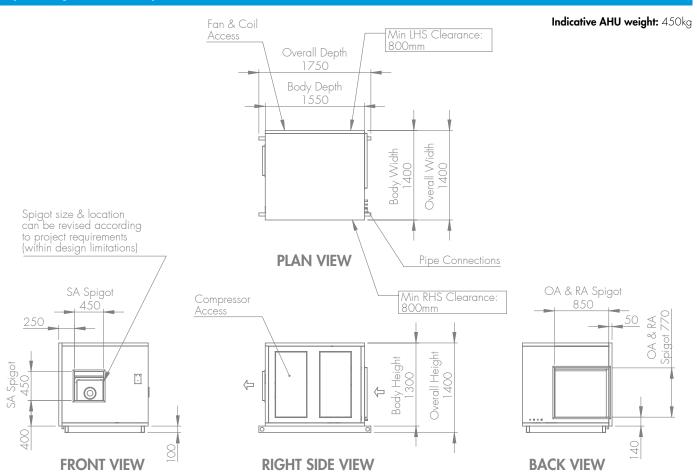
^{*} Dimensions and weight are subject to change, depending on the required cooling capacity, design conditions, and other project requirements. Refer to project certified drawings for finalised details.



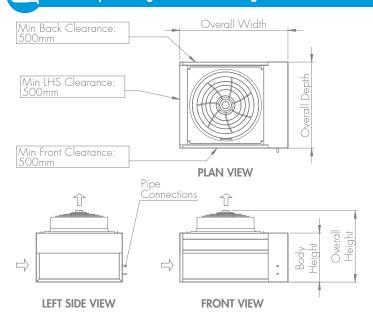
Dimensions



Split Configuration AHU (Optional Filter Section Not Shown)*



Split Configuration Condensing Unit*



Indicative Condensing Unit Dimensions

	Required Cooling Capacity					
	25kWr	40kWr	55kWr			
Overall Depth (mm)	1100	1350	1500			
Overall Width (mm)	1200	1400	1600			
Overall Height (mm)	950	1350	1400			
Body Height (mm)	700	1100	1100			
Weight (kg)	300					

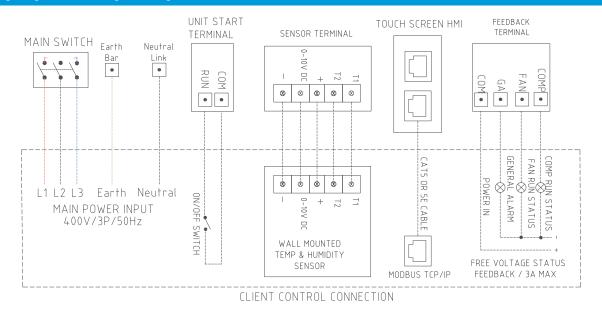
^{*} Dimensions and weight are subject to change, depending on the required cooling capacity, design conditions, and other project requirements. Refer to project certified drawings for finalised details.



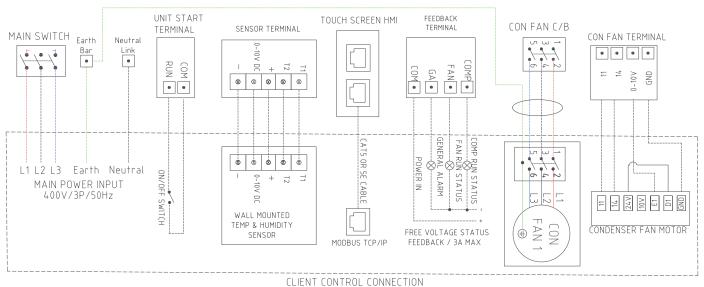
Electrical



Wiring Diagram — Packaged Configuration*



Wiring Diagram — Split Configuration*



CLIENT CONTRO



		Required Cooling Capacity	
	25kWr	40kWr	55kWr
Voltage / Phases / Frequency	415V / 3ph / 50Hz	415V / 3ph / 50Hz	415V / 3ph / 50Hz
Full Load Amps	25A	33A	42A

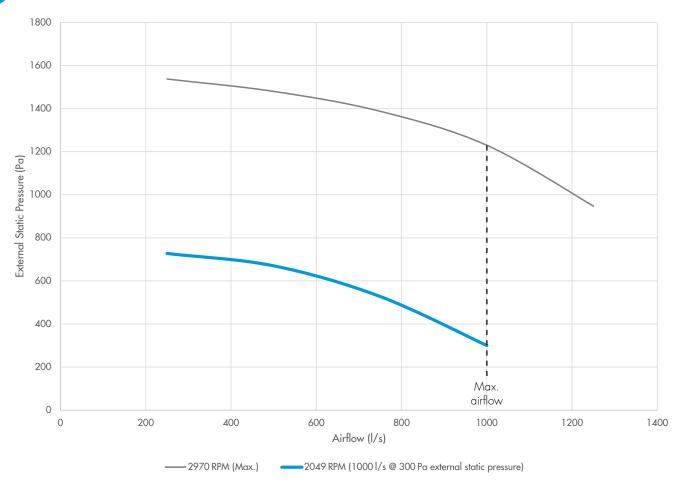
^{*}Connection details are subject to change, depending on project requirements. Refer to project certified electrical diagrams for finalised details.

[†] Power details are subject to change, depending on the required cooling capacity and other project requirements. Refer to project certified electrical diagrams for finalised details.



Airflow & Noise





Fan Absorbed Power (1000l/s @ 300Pa ESP): 813W

90

Supply Air Fan Acoustics (Sound Power)†

1000 l/s @ 300 Pa Exte	10001/s @ 300Pa External Static Pressure								
Inlet									
Frequency (Hz)	sum	63	125	250	500	1000	2000	4000	8000
A-weighted (dB)	71	37	48	61	66	63	64	61	59
Non A-weighted (dB)	75	62	63	70	69	63	63	60	60
Outlet									
Frequency (Hz)	sum	63	125	250	500	1000	2000	4000	8000
A-weighted (dB)	<i>7</i> 8	40	51	65	70	74	72	68	64
Non A-weighted (dB)	80	65	66	74	73	74	71	67	65

[†] Noise data considers supply air fans only, excluding compressor noise and condenser fan noise. Noise attenuation by the cabinet is also not considered. Filter pressure drop to be factored into the 300Pa external static pressure allowance.



^{*} Fan curve makes allowance for internal pressure drop of unit (excluding filters). This pressure drop is subject to change, depending on project requirements. Supply air fan selection options are available.