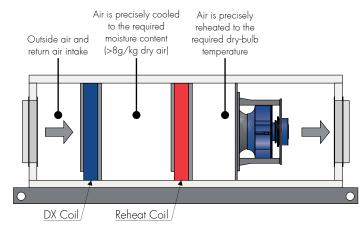
Technical Data





Contact your Air Change representative for a psychrometric unit selection

	Airflow		
	Supply Air		2000 l/s (nominal)
	Outside Air	0 - 10	0% as per project requirements
縱	Refrigeration		
7	Cooling Capacity		Sized to project requirements
	Supply Air Moistu	re Content	>8 g/kg dry air
	Cooling Stage		DX Coil (modulating capacity)
	Reheat Stage	Hot Gas Rel	neat Coil (modulating capacity)
	Compressor Type	Variab	ble Speed Scroll (BLDC Inverter)
	Reheat Valve	Modulo	ating 3-Way Refrigeration Valve
	Refrigerant		R-410A
	Reverse Cycle		Available upon request
(F)	Fans		
	Туре		EC Plug

	Neverse Cycle	7 (Valiable apoli requesi
Ņ	Fans	
	Туре	EC Plug
	Total Fans	x2 (nominal selection*)
	Nominal Power	2.5 kW ea. (nominal selection*)
	Fan Diameter	350mm (nominal selection*)
¥	Fan Speed (max.)	2970 RPM (nominal selection*)
Supply Air	Motor Efficiency Class	IE4
2	Ingress Protection Class	IP54
	Impeller Construction	Non-metallic Composite
	Speed Control	Integrated Constant Volume Control
		or via External Speed Signal

*	Supply	air fan	selection	options	are	available.

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

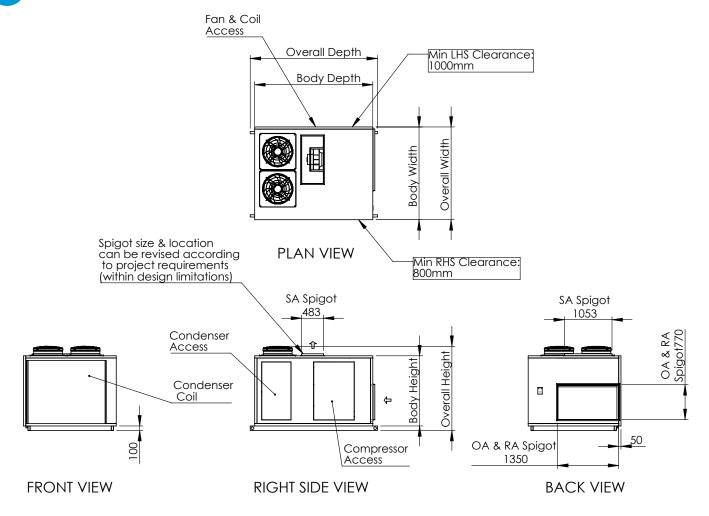
15	🕠 Fans	
	Туре	EC Axial
	Total Fans	x2 (nominal selection [†])
	Nominal Power	3.1 kW ea. (nominal selection [†])
Αï	Fan Diameter	800 mm (nominal selection [†])
Condenser Air	Fan Speed (max.)	1100 RPM (nominal selection [†])
400	Motor Efficiency Class	IE4
S	Ingress Protection Class	IP54
	Speed Control	Integrated Head Pressure Control
G	Electrical & Controls	
	Electrical Input	415V / 3 ph / 50 Hz
	Full Load Amps	Refer to PCU-N-D 20 electrical page
	Controls	ClimaSync Control System included
		(refer to PCU ClimaSync page)

	(reter to PCU ClimaSync page)
Cabinet	
Weatherproof	Yes
Panel Construction	50mm PIR Sandwich Panel
(F/\	1 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 Not Included)*



Indicative Packaged Configuration Dimensions

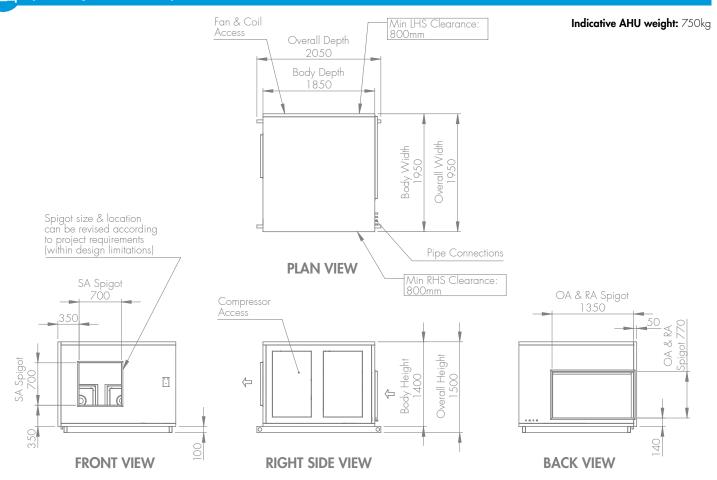
	Required Cooling Capacity					
	50kWr	80kWr	110kWr			
Overall Depth (mm)	2900	2900	3400			
Body Depth (mm)	2700	2700	3200			
Overall Width (mm)	2050	2050	2200			
Body Width (mm)	2050	2050	2200			
Overall Height (mm)	1900	1900	2000			
Body Height (mm)	1600	1600	1700			
Weight (kg)		1450				

^{*} 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.

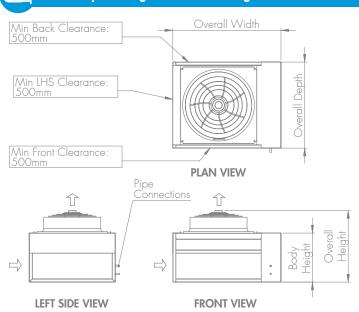


Dimensions

Split Configuration AHU (Optional Filter Section Not Shown)*



Split Configuration Condensing Unit*



Indicative Condensing Unit Dimensions

Required Cooling Capacity					
50kWr	80kWr	110kWr			
1500	1250	1500			
1600	2700	2900			
1400	1350	1400			
1100	1100	1100			
	500				
	50kWr 1500 1600 1400	50kWr 80kWr 1500 1250 1600 2700 1400 1350 1100 1100			

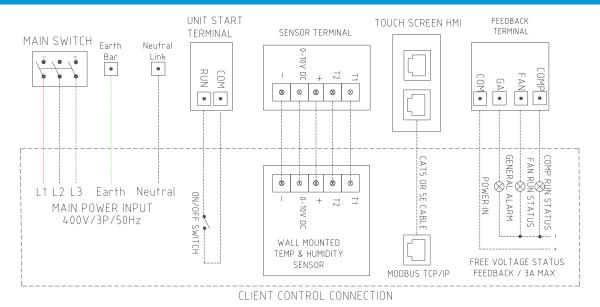
^{*}Dimensions and weight are subject to change, depending on the required cooling capacity, design conditions, and other project requirements. Refer to project certified drawings for finalised details.



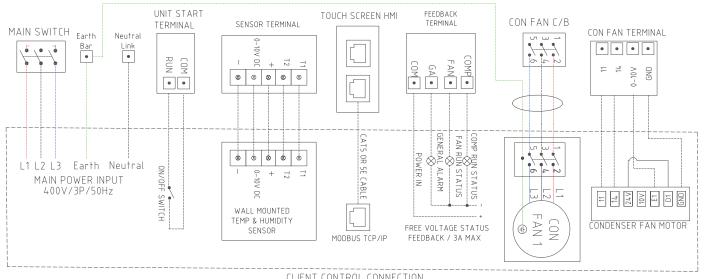
Electrical



Wiring Diagram — Packaged Configuration*



Wiring Diagram — Split Configuration*



CLIENT CONTROL CONNECTION



	Required Cooling Capacity				
	50kWr	80kWr	110kWr		
Voltage / Phases / Frequency	415V / 3ph / 50Hz	415V / 3ph / 50Hz	415V / 3ph / 50Hz		
Full Load Amps	45A	63A	82A		

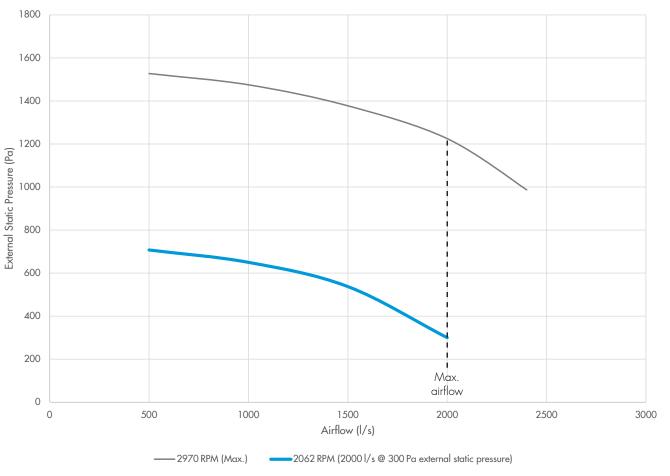
^{*} Connection details are subject to change, depending on project requirements. Refer to project certified electrical diagrams for finalised details.

[†] 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 (2000l/s @ 300Pa ESP): 1.66kW

))ලි Supply Air Fan Acoustics (Sound Power)†

2000l/s @ 300Pa External Static Pressure									
Inlet									
Frequency (Hz)	sum	63	125	250	500	1000	2000	4000	8000
A-weighted (dB)	<i>7</i> 5	41	52	66	70	67	68	66	63
Non A-weighted (dB)	79	67	67	<i>7</i> 5	<i>7</i> 3	67	67	65	65
Outlet									
Frequency (Hz)	sum	63	125	250	500	1000	2000	4000	8000
A-weighted (dB)	81	43	54	69	73	77	75	<i>7</i> 1	67
Non A-weighted (dB)	83	68	69	<i>7</i> 8	<i>7</i> 6	77	74	70	68

[†] 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.