

Air Conditioning

Ducted Ultra 16kW

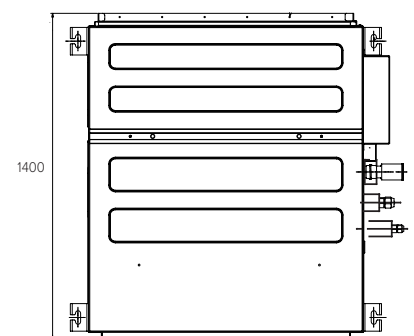
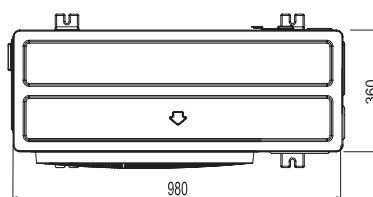
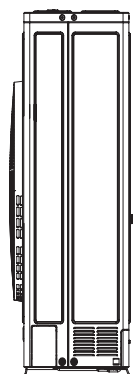
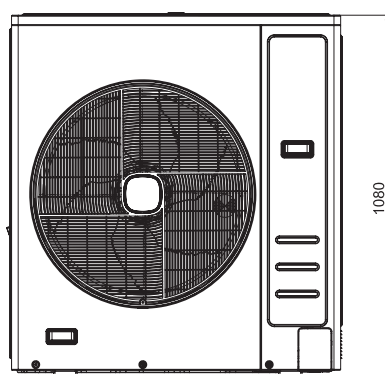
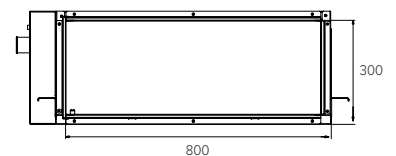


Features

- VRF (Variable Refrigerant Flow) system for precise temperature control.
- High static pressure for stronger airflow.
- Easy to install compact outdoor unit.
- Smart automatic temperature control.
- Wide temperature range to suit Australia's extreme climate zones.
- Sleep mode and quiet modes for a quiet and comfortable evenings.
- Eco mode - saves up to 30% of power consumption.
- Built-in drip tray.
- No welding or brazing needed - refrigerant piping with flared connections.
- Emerald App compatible via AC Link.

Proudly Australian owned since 2006, this Emerald Ducted Ultra unit uses VRF technology to deliver efficient temperature control.

These products combine intelligent performance with easy maintenance. The Auto Adjust External Static Pressure function automatically sets the ideal airflow during commissioning, while the Cold Wind Limit Setting keeps outlet air between 10 and 16°C for consistent comfort. High static pressure supports flexible duct layouts, delivering air evenly throughout the space. New bendable filters make installation easier in tight ceilings, and the self-cleaning evaporator keeps the system fresh with a single tap.



Specifications

Outdoor unit			
Emerald model			ACV180U
Power supply			220-240V ~ 50Hz
Cooling operation	Nominal capacity	kW	18.10
	Power consumption	kW	5.14
	Rated current	A	22.3
	EER	W/W	3.52
Heating operation	Nominal capacity	kW	20.40
	Power consumption	kW	4.19
	Rated current	A	18.2
	COP	W/W	4.87
AEER			3.30
ACOP			4.51
HSPF res cold			3.883
TCSPP res cold			5.278
Sound pressure level	Normal mode	dB(A)	75
Outer dimensions	Height	mm	1080
	Width	mm	980
	Depth	mm	360
Packing dimensions	Height	mm	1230
	Width	mm	1100
	Depth	mm	505
Net weight		kg	97
Piping design	Total piping length	m	120
	Height difference between ODU and IDU	m	30
Operation range	Cooling	DB(°C)	-5~55
	Heating	DB(°C)	-20~23

Indoor unit			
Emerald model			ACV160D
Power supply			220-240V ~ 50Hz
Nominal cooling capacity		kW	16.0
Cooling power consumption		kW	0.223
Nominal heating capacity		kW	18.5
Heating power consumption		kW	0.223
Rated current		A	2.04
Sound pressure level		dB	41/38/35/33/30/27
Outer dimensions	Height	mm	300
	Width	mm	1400
	Depth	mm	800
Net weight		kg	49
Refrigerant		Type	R410a
Indoor fan air flow rate (@50 Pa)		L/S	650
External static pressure range		Pa	50-200
Piping connection		—	flare
Liquid line		mm	Ø9.53
Gas line		mm	Ø15.88
Packing dimensions	Height	mm	415
	Width	mm	1640
	Depth	mm	950

- Cooling operation conditions: Indoor air inlet temperature: 27°C DB/19.0°C WB, outdoor air inlet temperature: 35°C DB
Heating operation conditions: Indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 27°C DB/19.0°C WB
Piping length: 7.5 meters. Piping lift: 0 meter
- The sound power level is tested based on the En 12102-1:2022 standard this value is tested under a static pressure of 50Pa.
- The external static pressure setting of the machine at the factory is 50Pa.
- The above air flow rate and noise level are tested with AC 220V power supply and without filter.

The information contained within this brochure is accurate as of the time of publishing.