



Commitment to Environmental Sustainability

One of the biggest milestones in the air conditioner industry has been the introduction of R32. This refrigerant has a global warming impact that is one third lower than previous mainstream refrigerants whilst approximately delivering a 10% power reduction when compared to R22



Compatibility with Third Party Zoning System

Take your comfort to a whole new level. Third party zoning systems allow for fully customise zoning options with the added benefit of increasing unit efficiency

*Requires the purchase of a zoning module kit at an additional cost.



 **BONAIRE**[®]
The leaders in heating and cooling



For further information please phone:
VIC (03) 8795 2400 **SA** (08) 8307 5100 **WA** (08) 9454 1010 **NSW** (02) 6882 2733
bonaire.com.au

A CLIMATE TECHNOLOGIES BRAND ABN 13 001 418 042. 26 Nylex Avenue, Salisbury 5108.

Bonaire is a registered trademark of Climate Technologies. Wi-Fi is a registered trademark of Wi-Fi Alliance. In the interest of continued product improvement, Bonaire reserves the right to alter specifications without notice E. & O.E. Colours represented are as accurate as the printing process will allow. Images used, are for illustration purposes only. August 2022

Proudly distributed in Australia by the Bonaire Specialist Dealer Network



 **BONAIRE**[®]
The leaders in heating and cooling

Inverter Ducted Air Conditioner



R32 Optima Ducted Range





Indoor Coil Units

- DC fan motor for less energy use than a standard AC motor
- Top, bottom or side panels are removable for easier servicing
- Slim Design
- Easy installation
- Excellent performance
- 20kW two piece design, ideal for tight roof spaces

OPTIMA Noise

Lower sound level is achieved by industry leading 550mm fan in conjunction with optimised outlet grille. Offering lower airflow resistance and less noise.

OPTIMA Design

10.5-16kw indoor unit design optimized to ensure compact installation with a unit depth of 490mm. The perfect choice for 600mm truss spacings.

OPTIMA Control

Sleek and stylish wall control design with touchscreen and backlight display suitable for all homes.

OPTIMA Performance

With an operating performance of -15 to +50 in cooling mode and -20 to +24 in heating mode

Bonaire Optima Ducted is ideal for all climates

Outdoor Condensing units

- Compact size
- Large fans for low sound level
- Blue fin technology for strong corrosion resistances
- High Efficiency compressor
- 3-minute protection
- Valve protection
- Easier maintenance



Wall Controller

- Stylish touchscreen control
- Fan speed: Auto-Low-Med-High
- Timer ON/OFF
- Temp setting
- Weekly Timer
- Child Lock
- LCD Display
- Clock



DC Inverter Compressor

DC Inverter compressor provides more comfortable indoor environment, higher performance in partial load and better heating performance in low ambient temperature than a fixed compressor.



Strong Cooling And Heating

Quality compressors and motors made by renowned manufacturers guarantees you get a cool experience in the quickest time.



Auto restart

Unit is automatically returned to previous operating conditions after a power outage, for simplified operation.



3-Minute Protection

A 3-Minute delay before the compressor will restart helps avoid compressor damage and work time.



Quiet Operation

Enables the unit to operate at lowest noise levels so you can quietly enjoy a cooled-down living space, despite the sizzling heat outside.



A-PAM Inverter

A-PAM inverter technology is the upgrade of 180° sine wave. It adopts additional momental control to decrease vibration and contributes to greater energy saving.



Self Diagnosis

Clearly displayed failure codes allow for quicker troubleshooting and easier maintenance.



24-Hour Timer

The convenience of a 24h/12h timing on/off function.



LED Display

The LED display is designed to be user friendly.



Compatibility with Third Party Zoning System

Take your comfort to a whole new level. Third party Zoning Systems allow for fully customised zoning options with the added benefit of increasing unit efficiency

Optima Ducted Air Conditioner Technical Specifications

Model	Indoor Unit	ODT-10ID	ODT-12ID	ODT-14ID	ODT-16ID	ODT-20ID
	Outdoor Unit	ODT-10OD	ODT-12OD	ODT-14OD	ODT-16OT	ODT-20OD
Capacity	Cooling (kW) (min~max)	10.5 (2.5~11.0)	12.5 (3.5~14.0)	14.0 (3.5~15.0)	15.5 (5.3~16.5)	20.5 (6.2~23.5)
	Heating kW (min~max)	11.5 (2.5~12.0)	13.5 (4.0~16.0)	16.0 (6.0~19.0)	17.5 (6.0~18.5)	22.8 (7.2~24.8)
Power Input	Cooling (kW) (min~max)	3.12 (0.5~5.3)	3.68 (1.0~5.8)	4.28 (2.0~6.8)	4.80 (2.0~7.0)	6.1 (2.5~8.5)
	Heating (kW) (min~max)	3.19 (0.5~5.3)	3.68 (1.0~5.8)	4.57 (2.0~6.5)	4.90 (2.0~7.0)	6.3 (2.5~8.5)
Max Current	Cooling (A)	23	26	30	30	15
	Heating (A)	23	26	29	31	15
Performance	EER	3.17	3.37	3.13	3.10	3.25
	COP	3.57	3.64	3.48	3.55	3.59
Indoor Unit	Airflow (H/M/L/LL) l/s	795/655/515/385	890/750/615/475	957/835/725/615	1085/920/780/615	1200/1050/950/850
	ESP (pa)	37-210	37-210	37-210	37-210	40-300
	External dimensions (WxDxH)(mm)	1350x490x425	1350x490x425	1350x490x425	1350x490x425	1330x895x500
	Shipping dimensions (WxDxH)(mm)	1565x724x510	1565x724x510	1565x724x510	1565x724x510	1510x1037x568
	Net/Gross weight (kg)	60/71	60/71	62/73	62/73	96/125
	Wired Controller standard	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
	Supply flange (mm)	1046x306	1046x306	1046x306	1046x306	958x377
Electrical Parameters	Return flange (mm)	1164x353	1164x353	1164x352	1164x352	1118x347
	Indoor Power Supply (V-Ph-Hz)	240-1-50	240-1-50	240-1-50	240-1-50	240-1-50
	Outdoor Power Supply (V-Ph-Hz)	240-1-50	240-1-50	240-1-50	240-1-50	415-3-50
	Interconnects (mm ²)	4G2.5	4G2.5	4G2.5	4G2.5	4G2.5
	Breaker size (A)	32	40	40	40	32
Outdoor Unit	Sound Power Level (dB(A))	68	72	72	73	75
	Sound Pressure Level (dB(A))	52	55	56	57	58
	External dimensions (WxDxH)(mm)	950x370x965	950x370x1350	950x370x1350	950x370x1350	1050x400x1636
	Shipping dimensions (WxDxH)(mm)	1050x450x1095	1090x480x1500	1090x480x1500	1090x480x1500	1150x510x1795
	Net/Gross weight (kg)	82/94	104/117	106/119	105/119	160/175
	Compressor type	twin rotary	twin rotary	twin rotary	twin rotary	twin rotary
Refrigerant	type	R32				R410a
	(kg)	2.3	2.9	2.9	2.9	6.3
Installation	Liquid pipe size (mm)	9.52	9.52	9.52	9.52	12.7
	Gas pipe size (mm)	15.88	15.88	19.05	19.05	19.05
	Pre-charge length (m)	20	30	30	30	30
	Max pipe distance (L/H)(m)	50/30	75/30	75/30	75/30	75/30
	Additional charge (g/m)	45	45	45	45	80
Working Ambient Temperature	Cooling (Min-Max) °C	-15 to 50	-15 to 50	-15 to 50	-15 to 50	-15 to 52
	Heating (Min-Max) °C	-20 to 24	-20 to 24	-20 to 24	-20 to 24	-20 to 24

Disclaimer: 20kW ducted reverse cycle unit is only available in R410A.