With any air conditioning system the key result is to achieve maximum climate control.

We want to be comfortably cool during the heat of summer and comfortably warm in the depths of winter.

The Bonaire Optima range of Ducted Air Conditioning units has been designed specifically with your comfort in mind.

The Bonaire Optima range has also been designed to provide this comfort in an easy to operate and highly efficient system.

Greater Comfort and Energy Savings

The wide range of sizes can accommodate all of your climate control needs and their flexible installation makes them an easy fit for a variety of applications.

All models meet the required energy efficiency ratings, so less energy is consumed without sacrificing comfort. Both the condensing units and indoor units are





Inverter Ducted Air Conditioner



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Optima Ducted Range





Optima Ducted Range



Indoor Coil Units

- DC fan motor for less energy use then a standard AC motor
- Top, bottom or side panels are removable for easier servicing
- Slim Design
- Easy installation
- Excellent performance
- 20-24kw two piece design ideal for tight roof spaces

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

Features & Benefits

OPTIMA/ Noise

Lower sound level is acheived by industy leading 550mm fan in conjuction 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 blacklight display suitable for all homes.

OPTIMA/ Performance

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

Bonaire Optima Ducted is ideal for all climates



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.



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



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maintenance.

Self Diagnosis

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

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.

Clearly displayed failure codes allow for

quicker troubleshooting and easier



3-Minute Protection

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



LED Display

The LED display is designed to be user friendly.



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.



Compatibility with Third Party Zoning System

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

Optima Ducted Air Conditioner Technical Specifications

Model	Indoor Unit	ODT-70ID	ODT-10ID	ODT-14ID	ODT-16ID	ODT-20ID	ODT-24ID
	Outdoor Unit	ODT-70OD	ODT-10OD	ODT-14OD	ODT-16OT	ODT-20OD	ODT-24OD
Capacity	Cooling (kW) (min~max)	7.1 (2.0~9.0)	10.5 (2.5~11.0)	14 (3.5~15.0)	15.5 (3.5~17.5)	20.5 (6.2~23.5)	24 (7.2~26.5)
	Heating kW (min~max)	8 (2~10.0)	11.5 (2.5~12.0)	16 (6.0~19.0)	18 (6.0~20.0)	22.8 (7.2~24.8)	26.8 (8.2~28.8)
Power Input	Cooling (kW) (min~max)	2.03 (0.4~4.0)	3.00 (0.5~5.3)	4.11 (2.0~7.2)	4.83 (2.0~7.2)	6.1 (2.5~8.5)	7.47 (3.5~9.5)
	Heating (kW) (min~max)	2.0 (0.4~4.0)	3.10 (0.5~5.3)	4.44 (2.0~7.2)	4.99 (2.0~7.2)	6.0 (2.5~8.5)	7.18 (3.5~9.5)
Max Current	Cooling (A)	17.5	23.2	32	32	15.3	16.3
	Heating (A)	17.5	23.2	32	32	15.3	16.3
Performance	EER	3.4	3.5	3.4	3.21	3.36	3.21
	СОР	3.4	3.7	3.61	3.61	3.8	3.73
Indoor Unit	Airflow (H/M/L/LL) I/s	400/350/305/250	800/660/520/380	1000/860/720/580	1115/945/780/615	1200/1050/950/850	1400/1250/1100/1000
	ESP (pa)	25-150	37-210	37-210	37-210	40-300	40-300
	External dimensions (WxDxH(mm)	1100x700x248	1350x490x425	1350x490x425	1350x490x425	1330x895x500	1330x895x500
	Shipping dimensions (WxDxH(mm)	1270x860x340	1565x724x510	1565x724x510	1565x724x510	1510x1037x568	1510x1037x568
	Net/Gross weight (kg)	30/36	59/70	61/72	61/72	96/125	96/125
	Wired Controller standard	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17	YR-E17
	Supply flange (mm)	796x147	1046x306	1046x306	1046x306	958x377	958x377
	Return flange (mm)	851×235	1164x352	1164x352	1164x352	1118x347	1118x347
Electrical Parameters	Indoor Power Supply (V-Ph-Hz)	240-1-50	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	415-3-50
	Interconnects (mm ²)	4G2.4	4G2.5	4G2.5	4G2.5	4G2.5	4G2.5
	Breaker size (A)	20	30	40	40	30	30
Outdoor Unit	Sound Power Level (dB(A)	66	66	70	73	75	75
	Sound Pressure Level (dB(A)	49	49	53	57	58	58
	External dimensions (WxDxH(mm)	950x370x965	950x370x965	950x370x1350	950x370x1350	1050x400x1636	1050x400x1636
	Shipping dimensions (WxDxH(mm)	1050x450x1095	1050x450x1095	1090x480x1500	1090x480x1500	1150x510x1795	1150x510x1795
	Net/Gross weight (kg)	80/92	82/94	105/118	105/118	160/175	160/175
	Compressor type	Rotary	Rotary	Twin rotary	Twin rotary	Twin rotary	Twin rotary
Refrigerant	410a (kg)	2.5	2.5	3.7	3.7	6.3	6.3
Installation	Liquid pipe size (mm)	9.52	9.52	9.52	9.52	12.7	12.7
	Gas pipe size (mm)	15.88	15.88	19.05	19.05	19.05	22.2
	Pre-charge length (m)	20	20	30	30	30	30
	Max pipe distance (L/H(m)	50/30	50/30	75/30	75/30	75/30	75/30
	Additional charge (g/m)	45	45	45	45	80	80
Working Temp.	Cooling (Min-Max) °C	-15 - 52	-15 - 52	-15 - 52	-15 - 52	-15 - 52	-15 - 52
	Heating (Min-Max) °C	-20 - 24	-20 - 24	-20 - 24	-20 - 24	-20 - 24	-20 - 24