

Benefits of a Dual Cycle System

- Leading Ducted Gas Heater manufacturer
- Uncompromised constant heating performance regardless of how cold it is outside
- The entire system, operation, programming and zoning is controlled by one single Navigator control
- Choice of hard wired or RF remote Navigator Control
- Fully combined heating and cooling comfort through one ducting system
- Integrated zone control for four zones as standard or an optional 8 zones**
- Zoned refrigerated cooling

**Requires zone dampers and motors which are supplied by the installer at additional cost



Navigator® Remote Control

If you are after the very latest in controls and technology, the Navigator wireless radio frequency control is for you. This controller allows you to change settings without leaving the comfort of your armchair.



- Wireless radio frequency
- Multiple controller option – up to 4 controllers
- Able to operate from room to room
- Thermostat comfort sensing from any room with an outlet
- Large, clear and easy-to-read backlit LCD display
- Intuitive operation
- Customised operational settings
- Diagnostics and error reporting
- Optional controlling of multiple appliances
- Easy to operate in 4 selectable operating modes
- 24 hour programmable start and stop times
- Compatible with Bonaire 4 and 5 Star Gas Central Heating and Dual Cycle

NB: Blue screen for cooling, orange for heating

Navigator® Hard Wired Control

The wall mounted Navigator Controller has all of the features of the wireless, but is fixed in the living areas of your home. It will maintain temperatures and operation and allow all setting changes from a fixed location.



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- Optional controlling of multiple appliances
- Easy to operate in 4 selectable operating modes
- 24 hour programmable start and stop times
- Compatible with Bonaire 4 and 5 Star Gas Central Heating and Dual Cycle
- Multiple control option – 1 wall mounted and up to 3 Navigator Remote Controls



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

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The leaders in heating and cooling

Optima Dual Cycle Systems



DUAL

CYCLE

OPTIMA AIR FLOW PERFORMANCE EFFICIENCY



Bonaire®

The Leaders in heating and cooling

For over 60 years Bonaire has been providing heating and cooling solutions for Australians and in many parts of the world. As one of the early pioneers of heating and cooling in Australia, Bonaire has been responsible for researching the latest technologies and developing these technologies into air conditioning products which are the forefront of airconditioning.

Our engineering team comprise some of the most experienced people in the air conditioning industry in Australia who are continually striving to refine and improve the products to ensure the optimum in quality and reliability.

Bonaire boasts a range of products which include proven high performing yet economical to run domestic and commercial evaporative coolers as well as mid to high efficiency, fully featured ducted gas heaters.

Bonaire products have been designed to provide effective and efficient heating and cooling for the harshest of Australian environments. The quality, durability and reliability is now recognised around the world resulting in many of the products being sold in many countries outside of Australia.

Whether you are looking to condition a small area with a wall split, a ducted reverse cycle system or looking for the optimum in luxury with a combined gas heating/refrigerated cooling dual cycle system, Bonaire has the perfect system for you.



When you are looking for the optimum in home heating and cooling you cannot go past a Bonaire Dual Cycle system.

Dual Cycle combines the instant heat of a ducted gas heating system with the cool comfort of a refrigerated air conditioning system. And all this runs through one duct system and off one single control.

At Bonaire we have researched products from around the world to find the perfect refrigerated partner for our innovative range of gas ducted heaters.

Bonaire has also been engineering and manufacturing air conditioning systems in Australia for many years. Our air conditioning units are ideally suited to combine with our ducted heaters to provide the optimal climate control system for your home.

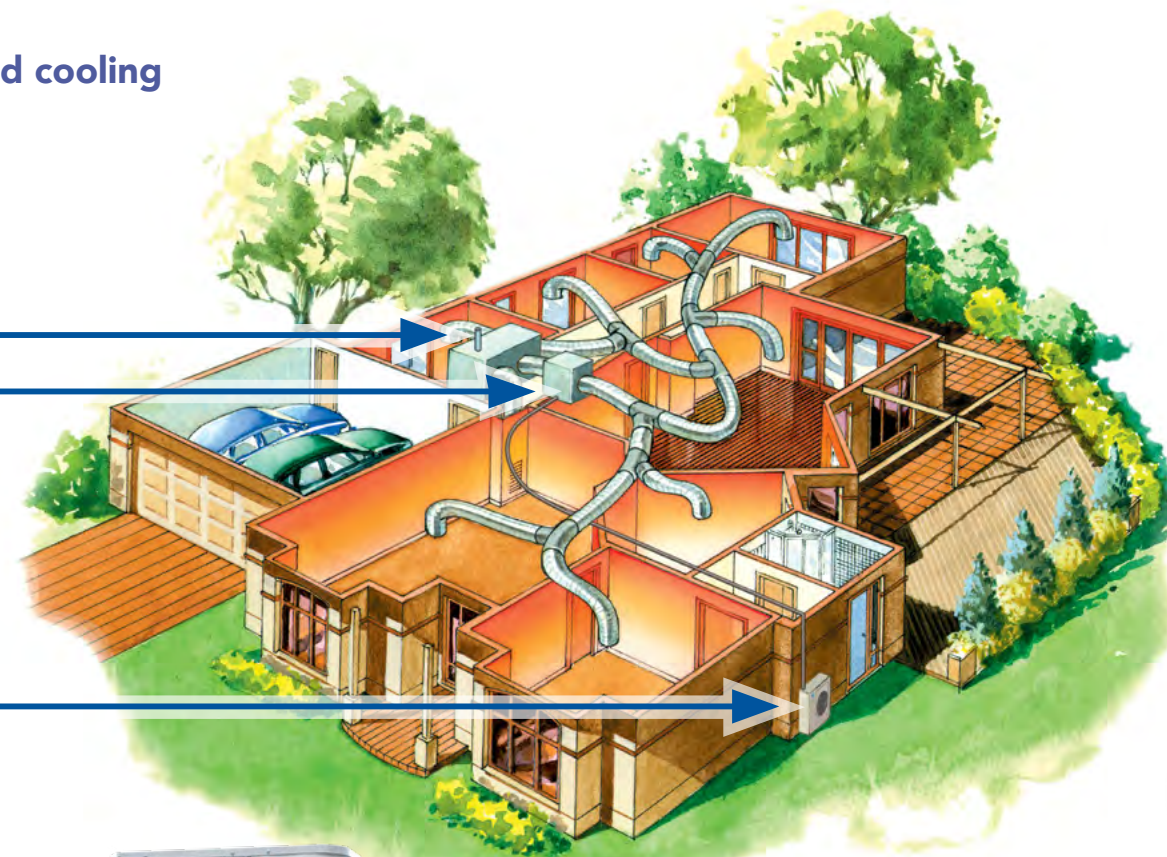
Nothing is better than the best of both worlds in heating and cooling with a Bonaire Optima Dual Cycle system.

Whole of home heating and cooling

Ducted gas heater

Refrigerated coil

Outdoor compressor unit



**DUAL
CYCLE**

Dual Cycle Systems Technical Specifications

Model	Indoor Unit	OPTIMA OAO12ID	OPTIMA OAO14ID	OPTIMA OAO17ID	OPTIMA OAO17ID	OPTIMA OAO20ID
	Outdoor Unit	OPTIMA OAO12OD	OPTIMA OAO14OD	OPTIMA OAO17OD 1PH	OPTIMA OAO17OD 3PH	OPTIMA OAO20OD 3PH

Performance

Rated Capacity (kW)	12	13.6	16.6	17	19.6
Rated Input (kW)	3.84	4.35	4.71	5.44	6.11
AEER	3.13	3.13	3.15	3.13	3.13
Compressor	Scroll	Scroll	Scroll	Scroll	Scroll
Sound Power Level (dBa)	65	65	66	66	66

Electrical Data

Power Supply (V-ph-Hz)	240/1/50	240/1/50	240/1/50	415/3/50	415/3/50
Rated Current (Amps)	15	18	21	7.9	10.7

Refrigeration Data

Refrigerant Type		R410A				
Pipe Sizes	Suction Line	9.52mm (3/8")	9.52mm (3/8")	9.52mm (3/8")	9.52mm (3/8")	12.7mm (1/2")
	Liquid Line	19.05mm (3/4")	19.05mm (3/4")	19.05mm (3/4")	19.05mm (3/4")	22.22mm (7/8")
Maximum pipe length	m	50	50	50	50	50
Max difference in level	m	30	30	30	30	30
Refrigerant Pre Charge length	m	10	10	10	10	10

Dimensions

Outdoor Unit Dimensions WxHxD	mm	754x870x754	754x870x754	840x1070x840	840x1070x840	900x1070x900
Indoor Unit Dimensions WxHxD	mm	555x548x1070	555x548x1070	555x648x1156	555x648x1156	555x648x1256
Outdoor Unit Weight	kg	34	34	40	40	45
Indoor Unit Weight	kg	117	117	130	130	150
Duct Spigots Supply Return	mm	450/450	450/450	500/500	500/500	500/500

Bonaire Ducted Gas Heater Matching Chart (Maximum Recommended Add-on Cooling Capacity)

Cooling Capacity	kW	12	13.6	16.6	17	19.6
MB4 Series		MB4-20XA, MB4-25	MB4-20XA, MB4-25, MB4-30	MB430XA	MB430XA	-
MB5 NC Series		MBSNC-21	MBSNC-21XA, MBSNC-30	MBSNC-21XA, MBSNC-30	MBSNC-21XA, MBSNC-30	MBSNC-30XA, MBSNC-35
MB6 Series		MB6-23	MB6-23XA, MB6-31	MB6-23XA, MB6-31	MB6-23XA, MB6-31	MB6-31XA, MB6-35

Features and Benefits of Refrigerated cooling



R410-A
Environmentally-friendly refrigerant cools and heats more efficiently without destroying the ozone layer.



Compact Design
Smaller dimensions for easy installation, transportation and reduced cost.



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.

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