



Sleek, stylish modern indoor unit design.

Quickly and efficiently adjusts the room temperature to your set comfort zone.

Uses inverter compressor technology that enables the unit to ramp up and down depending on unit operational requirements saving on running costs.

Low noise indoor and outdoor unit.

## Greater Comfort and Energy Savings

The Optima Hi Wall Split System supplies the exact power needed to heat or cool the room. This enables the Hi Wall Split System to reach the set temperature in around half the time required by conventional models.

Noise levels inside and outside the home are reduced by Bonaire Optima inverter systems

because they always seek the lowest operating level, while providing the maximum heating or cooling effect.

Inverter systems deliver substantial energy savings compared with conventional start/stop systems, under normal operating conditions.



For further information please phone:

**VIC** (03) 8795 2400    **SA** (08) 8307 5100    **WA** (08) 9454 1010    **NSW** (02) 6882 2733  
[bonaire.com.au](http://bonaire.com.au)

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

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## Optima Hi Wall Split System Air Conditioners



**OPTIMA** AIR FLOW PERFORMANCE EFFICIENCY





## OPTIMA AIR FLOW PERFORMANCE EFFICIENCY

The innovative design of Bonaire’s Optima Hi-Wall Split System allows super quiet operation and increased airflow for maximum comfort.

### OPTIMA Noise

Quiet mode ensures enhanced performance while keeping noise levels to a minimum.



### OPTIMA Design

Internal air outlet and inlet area is increased to provide greater airflow and reduce noise while maintaining a sleek, compact and modern profile.



### OPTIMA Air Supply

Specially designed cross flow fan blade enables air to reach as far as 20 meters on 7.3kw & 8.0kw models.

### OPTIMA Performance

Performance with 5 STAR rating on 2.7kw units.

### OPTIMA Louvre Control

Horizontal and vertical movements of the airflow blades enables the air to be dispersed to different directions of the room.

### OPTIMA Cooling/Heating

Turbo mode provides rapid cooling or heating.



**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.



**3D Air**  
3D air sends air up, down and side-to-side to all corners of the room for improved comfort and energy savings. In heating mode, air is directed downward only.



**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.



**Turbo Mode**  
Provides fast and quicker cooling.



**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.




**High efficient internal thread copper pipe**  
Inner groove cooper tubing lets more refrigeration pass through, improving heat exchange by 30-50% compared to traditional copper tubing. It also helps lower power consumption for the same rate of output.



### Optional Wi-Fi® Controller\*

Operate your Wall Split from your Smart Phone or Tablet and do this from inside your home or remotely. Simply download the App, connect to your Wi-Fi and you are ready to go. The easy to follow screens on the APP allow you to do as little as turn the unit on or off, or as complex as setting Auto functions and temperature settings.

\* Requires the purchase of a Wi-Fi kit at additional cost



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



6 year parts and labour warranty applies on domestic residential installations only. Warranty on commercial installations is 2 year parts and labour. Climate Technologies product warranty terms and conditions apply. Visit [www.bonaire.com.au](http://www.bonaire.com.au) for details.

## Optima High Wall Split Technical Specifications

Model Description	Indoor	OPTIMA OHW27ID	OPTIMA OHW35ID	OPTIMA OHW50ID	OPTIMA OHW73ID	OPTIMA OHW80ID
	Outdoor	OPTIMA OHW27OD	OPTIMA OHW35OD	OPTIMA OHW50OD	OPTIMA OHW73OD	OPTIMA OHW80OD

Performance						
Capacity (Kw) (Range)	Cooling	2.7 (1.1 ~ 3.5)	3.5 (1.2 ~ 4.3)	5 (1.5 ~ 6.1)	7.3 (1.9 ~ 8.4)	8.0 (2.4 ~ 9.0)
	Heating	3.5 (1.3 ~ 4.4)	4.0 (1.3 ~ 5.0)	5.5 (1.6 ~ 7.0)	8.0 (2.5 ~ 9.0)	9.0 (2.7 ~ 11.0)
AEER		4.3	3.8	3.6	3.5	3.3
ACOP		4.6	4.1	4.2	3.8	3.7
Star Rating	Cooling	5	3.5	2.5	2.5	2.5
	Heating	5	4	3.5	3.5	3
Moisture Removal (L/Hr)		1.2	1.6	2	2.8	3
Sound Pressure Level (H/M/L/S) dBA	Indoor	42/36/29/23	42/36/29/23	46/42/36/34	47/42/36/34	48/44/40/36
Sound Pressure Level (High/Low) dBA	Outdoor	49 / 51	50 / 52	51 / 53	52 / 54	55 / 57
Sound Power Level (High/Low) dBA	Outdoor	60 / 63	61 / 64	66 / 68	68 / 70	67 / 72
Indoor Air Circulation (H/M/L) L/s	Cooling	190 / 160 / 130	190 / 160 / 130	235 / 205 / 180	305 / 265 / 210	360 / 330 / 300
	Heating	195 / 165 / 135	195 / 165 / 135	250 / 215 / 190	310 / 270 / 220	380 / 350 / 320

Electical Data						
Power Input (Kw) (Range)	Cooling	0.62 (0.28 ~ 1.15)	0.91 (0.29 ~ 1.2)	1.42 (0.35 ~ 2.05)	2.08 (0.53 ~ 2.8)	2.41 (0.56 ~ 2.9)
	Heating	0.75 (0.29 ~ 1.2)	0.96 (0.3 ~ 1.3)	1.37 (0.4 ~ 2.9)	2.12 (0.64 ~ 3.3)	2.45 (0.7 ~ 3.6)
Maximum Current (A)	Cooling	5.7	6.2	10	14.5	14.7
	Heating	5.8	6.4	13.5	16	17.5
Power Supply (V, Ph, Hz)	220-240 / 1 / 50					

Refrigeration Data						
Refrigerant Type	R410A					
Pipe Size	Liquid Line	6.3mm (1/4")	6.3mm (1/4")	6.3mm (1/4")	6.3mm (1/4")	9.5mm (3/8")
	Suction Line	9.5mm (3/8")	9.5mm (3/8")	12.7mm (1/2")	12.7mm (1/2")	15.8mm (5/8")
Minimum Pipe Length (m)		1.5	1.5	1.5	1.5	3
Maximum Pipe Length (m)		15	15	25	25	25
Precharged Length (m)		7	7	7	7	10
Additional Refrigerant (g/m)		20	20	20	20	50
Maximum Height Difference (m)		10	10	15	15	15

Other						
Net Dimension (W/D/H)	Indoor	900 x 210 x 310	900 x 210 x 310	1115 x 243 x 336	1115 x 243 x 336	1316 x 270 x 365
	Outdoor	780 x 290 x 597	780 x 290 x 597	890 x 353 x 697	920 x 385 x 762	920 x 385 x 762
Net Weight (kg)	Indoor	11.5	11.5	16	17	21
	Outdoor	35.5	35.5	43.8	57	57
Operating Range for Outdoor Unit (Min ~ Max)	Cooling	-10°C ~ +46°C				
	Heating	-15°C ~ +24°C				