

# Carrier Inverter Hi Wall Air Conditioner



relax, it's cool

INVENTOR OF MODERN  
AIR CONDITIONING



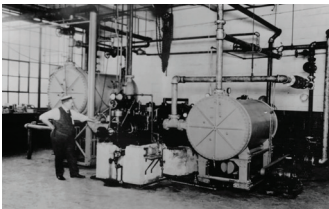


# Why Choose Carrier Air Conditioners?

## History and Reputation

On July 17, 1902, Willis Carrier designed the first modern air conditioning system to address a challenge at the Sackett & Wilhelms printing plant in Brooklyn, New York City. This groundbreaking invention marked the beginning of a transformative era, fundamentally improving the way we live, work, and play.

With over a century of experience, Carrier has earned a reputation for being a pioneer in Heating Ventilation and Air Conditioning (HVAC) technology. Consumers can trust the reliability and durability associated with a brand that has consistently set industry standards for quality.



## Energy Efficiency

Carrier's focus on energy efficiency is evident through the integration of innovative technologies, design elements, and smart features in its air conditioning systems along with Featuring remarkable Govt. Zoned Energy Star Ratings (ZERL). As environmental concerns and energy conservation become increasingly significant, Carrier remains dedicated to delivering solutions that prioritize efficiency, sustainability, and overall performance.



\*Carrier QRG026N8 Cooling

## Superior After Sales Service

At Carrier, we are committed to delivering exceptional after-sales service through our responsive customer support team, providing efficient technical assistance for installations and troubleshooting. We ensure the customer support team is knowledgeable and well-trained, addressing inquiries promptly and effectively.







# Features Checklist - Carrier Sapphire

Comfort Features	
Turbo	✓
Silence Mode	✓
Follow Me	✓
Auto Restart	✓
Fast Cooling & Heating	✓
Anti-Cold Air Function	✓
Wind Avoid Me	✓
Energy Saving Features	
GA Compressor Frequency Control	✓
Gear operation	✓
1%~100% Grades indoor Fan Speed	✓
9 Grades Outdoor Fan Speed	✓
X-Eco Mode	✓
8° Heating	✓
Sleep Mode	✓
Convenience Features	
Wi-Fi Ready	✓
Multi Controllers	✓
2-way Draining	✓
Louver Position Memory	✓
Manual On & Off Button	✓
Reliability Features	
Refrigerant Leakage Detection	✓
Fire Proofing E Box	✓
Low Ambient Cooling & Heating	✓
Auto Defrosting	✓
Intelligent Dusting Switch	✓
Health Features	
HD Dust Filter	✓
Fresh Filter	O
Active Clean	✓
Ionizer	O

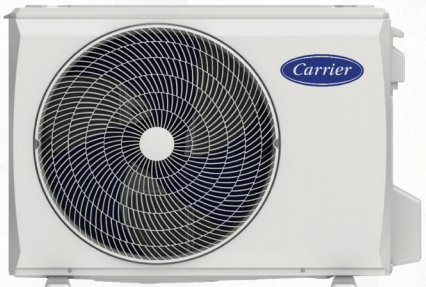
O - Optional



# Features

## Efficiency Meets Luxury

Featuring remarkable Zoned Energy Star Ratings (ZERL), the latest Inverter Hi Wall series, Sapphire, offers exceptional performance dynamics. Equipped with Wi-Fi ready technology for optimal control flexibility, Active Energy Control, and a self-cleaning feature in the outdoor unit, the Carrier Sapphire ensures a premium experience within your living spaces and beyond.



## High Achiever

Whether in the bedroom, home office, study, kids room, or guest room, the Sapphire series 2.6kW model boasts an impressive 6.5 ZERL star rating for cooling. This ensures excellent air conditioning, enabling your family to unwind, stay comfortably cool, and embrace energy efficiency – a true win-win!



\*6.5 stars rating on 2.6kW system Cooling

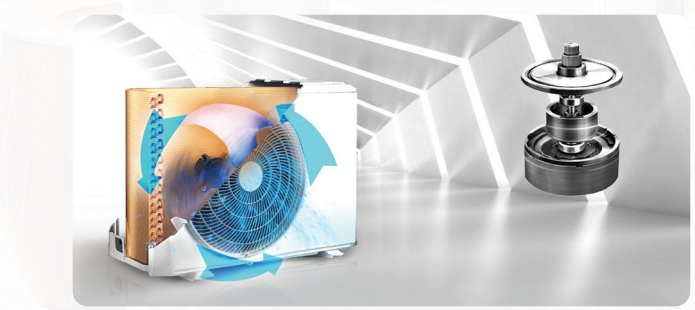
## Carrier Comfort Connect

Manage your climate effortlessly from anywhere using the Wi-Fi Ready APP on your smartphone. Easily schedule weekly timers through the smartphone APP. With a simple swipe, you can power the air conditioner on/off, choose the desired mode and temperature even before you get home.



## Intelligent Dusting Switch

Apart from the innovative bionic fan blades, the DC motor is designed to rotate continuously in reverse, effectively eliminating sand and dust, thereby ensuring a clean compressor and facilitating smooth operation.



## Active Clean

The Active Clean Technology effectively eliminates dust, mold, and grease that often accumulate on the indoor unit heat exchanger. This process involves automatically generating additional condensate water, freezing it, and subsequently thawing and airing it dry. This robust cleaning cycle takes 20-45 minutes – now that's clean!

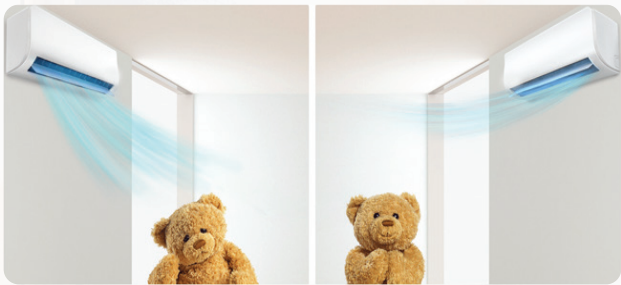




# Features

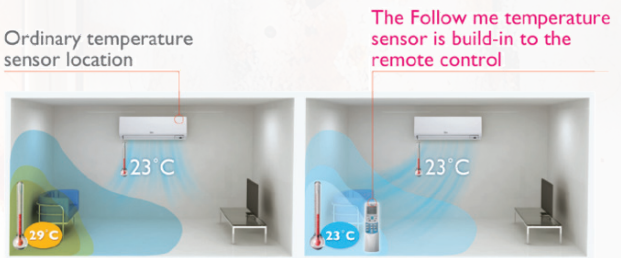
## Breeze Away

Take control of your comfort and avoid direct breeze exposure by effortlessly adjusting the breeze direction with the remote.



## Follow Me

When this function is turned on, the room temperature sensor within the remote controller takes over from the indoor unit's sensor. It adapts the room temperature, following your lead with the remote controller, whether you're taking it easy on the couch or cooking up a treat in the kitchen.



## Sleep Mode

During cooling mode, the set temperature increases by 1°C every hour (up to a maximum of 30°C). After 2 hours, the temperature adjustment stops, and the indoor fan remains fixed at low speed.

In heating mode, the set temperature decreases by 1°C every hour (no less than 17°C). After 2 hours, the temperature adjustment stops, and the indoor fan remains fixed at low speed, with an available anti-cold-air function.



## Low Ambient Heating & Cooling

Wide range of ambient operation for Heating & Cooling. The system will continue to provide cooling even at temperatures of up to 50°C and will continue heating even at temperatures as low as -15°C.



## Active Energy Control

Active Energy Control offers three operating power options: 50%, 75%, and 100%. You can choose the power level to suit your energy needs.





	Model Number	Indoor	42QRG020N8	42QRG026N8	42QRG035N8	42QRG050N8	42QRG060N8	42QRG070N8	42QRG080N8
		Outdoor	38QRG020N8	38QRG026N8	38QRG035N8	38QRG050N8	38QRG060N8	38QRG070N8	38QRG080N8
	Refrigerant Type		R32						
	Power Supply	Volts- Phase- Hz	220-240V, 1Ph,50Hz						
COOLING	Capacity - Rated	kW	2.00	2.65	3.50	5.00	6.00	7.00	8.00
	Capacity - Range (Min / Max)	kW	0.74/3.43	0.98/3.90	1.00/3.79	2.35/5.83	2.76/6.00	3.20/8.00	3.20/8.00
	Power Input - Rated	kW	0.45	0.53	0.79	1.36	1.77	2.00	2.35
	Power Input - Range	kW	0.16/1.06	0.18/1.05	0.18/1.03	0.48/1.88	0.58/1.88	0.67/2.65	0.67/2.65
	Seasonal Efficiency (Hot / Average / Cold)	Star Rating	5.5 / 5 / 5	6.5 / 6 / 6.5	5 / 5 / 5	4 / 4 / 4	4 / 4 / 4	3.5 / 3.5 / 3.5	3.5 / 3.0 / 3.5
	Operating Current	A	2.01	2.50	3.50	6.00	7.90	8.62	10.00
HEATING	Capacity - Rated	kW	2.20	2.75	3.75	5.35	6.20	7.6	8.2
	Capacity - Range (Min / Max)	kW	0.86/4.36	1.02/4.21	1.06/4.55	2.41/6.03	2.41/6.40	2.26/8.82	2.26/8.82
	Powr Input - Rated	kW	0.46	0.53	0.83	1.46	1.82	2.07	2.30
	Powr Input - Range	kW	0.16/1.29	0.16/1.49	0.17/1.45	0.46/2.00	0.46/2.00	0.47/2.91	0.47/2.91
	Seasonal Efficiency (Hot / Average / Cold)	Star Rating	3.5 / 3 / 2.5	4 / 3.5 / 3	4 / 3 / 2.5	3 / 2.5 / 2	3 / 2 / 1.5	3 / 2.5 / 2	3 / 2.5 / 2
	Operating Current	A	2.12	2.30	3.70	6.52	8.20	9.04	9.98
INDOOR UNIT	Dimension (W×D×H)	mm	729x200x292	802x200x295		971x228x321		1082x234x337	
	Net Weight	kg	8.0	8.5		11.2		13.5	
	Cooling Airflow (Hi/Mi/Lo)	l/s	128/94/75	139/100/83	147/106/86	222/167/139		335/235/186	
	Moisture Removal	L/hr	0.48	0.50	0.87	1.73	2.47	2.24	2.92
	Sound Pressure (Hi/Mi/Lo) - 1m	dB(A) (@spl)	38/31.5/30	37/31/29	39/32.5/30	44.5/38/34.5		50/42/26.5	
OUTDOOR UNIT	Dimension (W×D×H)	mm	765x303x555	805x330x554		890x342x673			
	Net Weight	kg	26.5	32.2		37.9		42.4	
	Inverter Compressor	Rotary	SINGLE						
	Fan Motor Output	W	34			80			
	Cooling (Sound Pressure) (H) at 1m distance	dB(A) (@spl)	55.5	54	55.5	59.5		60.5	
	Cooling Sound Power (H)	dB(A)	54	58	59	66	65	65	67
	Cooling Usable Temperature Range	Celsius	0~50						
	Heating Usable Temperature Range	Celsius	-15~24						
PIPE SIZE	Liquid Line Ø/Gas Line Ø	mm	6.35 / 9.52			6.35 / 12.7		6.35 / 15.9	
	Coupler Style		Flare Joint						
	Minimum Length	m	3						
	Maximum Length	m	25			30		50	
	Pre-Charge Length	m	5						
	Maximum Height Difference (Above/Below)	m	10			20		25	



Demand  
Response  
Enabled



Compound  
Filter



Sleep Mode  
Do Not  
Disturb



Silent



Louver  
Position  
Memory



Golden Fin  
Protective  
Coating



Filter  
Cleaning  
Reminder



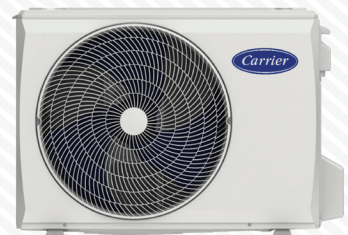
2-way  
Draining



Auto  
Restart  
Function





Timer











Capacity Guide & Star Rating



Sapphire



Great for the Study or Home Office   2.0 kW						
Indoor Model	Outdoor Model	Zone	Sizing	Cooling Stars		Heating Stars
42QRG020N8 	38QRG020N8 	HOT	9-12m <sup>2</sup>	5.5	★★★★★	3.5 ★★★★★
		AVG.	9-14m <sup>2</sup>	5.0	★★★★★	3.0 ★★★★★
		COLD	9-16m <sup>2</sup>	5.0	★★★★★	2.5 ★★★★★



Kids or Guest Room   2.6 kW						
Indoor Model	Outdoor Model	Zone	Sizing	Cooling Stars		Heating Stars
42QRG026N8 	38QRG026N8 	HOT	9-18m <sup>2</sup>	6.5	★★★★★	4.0 ★★★★★
		AVG.	9-20m <sup>2</sup>	6.0	★★★★★	3.5 ★★★★★
		COLD	9-23m <sup>2</sup>	6.5	★★★★★	3.0 ★★★★★

Master Suite   3.5 kW						
Indoor Model	Outdoor Model	Zone	Sizing	Cooling Stars		Heating Stars
42QRG035N8 	38QRG035N8 	HOT	17-26m <sup>2</sup>	5.0	★★★★★	4.0 ★★★★★
		AVG.	17-28m <sup>2</sup>	5.0	★★★★★	3.0 ★★★★★
		COLD	17-31m <sup>2</sup>	5.0	★★★★★	2.5 ★★★★★

Ideal for Sitting Room or Home Theatre   5.0 kW						
Indoor Model	Outdoor Model	Zone	Sizing	Cooling Stars		Heating Stars
42QRG050N8 	38QRG050N8 	HOT	25-36m <sup>2</sup>	4.0	★★★★★	3.0 ★★★★★
		AVG.	25-40m <sup>2</sup>	4.0	★★★★★	2.5 ★★★★★
		COLD	25-45m <sup>2</sup>	4.0	★★★★★	2.0 ★★★★★

Family Rumpus Room   6.0 kW						
Indoor Model	Outdoor Model	Zone	Sizing	Cooling Stars		Heating Stars
42QRG060N8 	38QRG060N8 	HOT	35-43m <sup>2</sup>	4.0	★★★★★	3.0 ★★★★★
		AVG.	35-48m <sup>2</sup>	4.0	★★★★★	2.0 ★★★★★
		COLD	35-54m <sup>2</sup>	4.0	★★★★★	1.5 ★★★★★

Dinning or Entertainment Room   7.0 kW						
Indoor Model	Outdoor Model	Zone	Sizing	Cooling Stars		Heating Stars
42QRG070N8 	38QRG070N8 	HOT	38-49m <sup>2</sup>	3.5	★★★★★	3.0 ★★★★★
		AVG.	38-54m <sup>2</sup>	3.5	★★★★★	2.5 ★★★★★
		COLD	38-62m <sup>2</sup>	3.5	★★★★★	2.0 ★★★★★

Multi Purpose Space   8.0 kW						
Indoor Model	Outdoor Model	Zone	Sizing	Cooling Stars		Heating Stars
42QRG080N8 	38QRG080N8 	HOT	45-61m <sup>2</sup>	3.5	★★★★★	3.0 ★★★★★
		AVG.	45-67m <sup>2</sup>	3.0	★★★★	2.5 ★★★★★
		COLD	45-71m <sup>2</sup>	3.5	★★★★★	2.0 ★★★★★



# Carrier Inverter Hi Wall Air Conditioners

AHIC is committed to continuously improving its product to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

Product specifications in this brochure are only indicative and are subject to change. These are not intended to be used in place of the engineering or installation book.

All features and specifications are subject to change without prior notice.

All images provided in this catalogue are used for illustration purposes only.

Cooling and heating capacities mentioned for the products are nominal capacities at standard operation conditions.

Equipment rates in accordance with MEPS 3823.2-2011 E&OE



SALES AND SERVICE: **13 COOL (13 2665)**  
AHIC (Australia) Pty Ltd- Level 1, 152 Wellington Road, Clayton, VIC 3168  
ABN 37 606 792 456 AU 22499

[carrierair.com.au](http://carrierair.com.au)

