



Turn to the Experts.



**Pearl**  
INVERTER HI-WALL

**Inverter Hi-Wall Split Systems**

# About Carrier Inverter Hi Wall Split System

Better comfort and power saving – the Carrier Pearl range of inverter Hi-Wall Split Systems with DC technology will give you a comfortable and energy efficient heating or cooling solution.

## Who is Carrier Air Conditioning?

Founded by the inventor of modern air conditioning Willis Carrier, Carrier is one of the world's leaders in air conditioning and refrigeration solutions. Carrier provides sustainable solutions, integrating energy efficient products, building controls and energy services for residential, commercial, retail, transport and food services customers. Carrier improves the world around us through engineered innovation and environmental stewardship. Carrier is also a leading provider to the aerospace and building systems industries.

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.



## Controller

- Wireless or optional wired or WiFi controller\*
- Customised air distribution with 4 fan settings (Turbo/High/Med/Low).
- My mode saves favourite mode/fan and temperature combined settings.
- Ideal for use in both residential and commercial applications such as aged care, hospitals, hotels, schools and office buildings.

\*Wired and WiFi controller options will be at an additional cost. Please speak to your dealer if you are interested in these options.



Included controller



Optional wired controller

## Advantages of the Carrier Inverter Hi-Wall Split System



- Cooling performance even at 46°C outdoor temperature and as low as -15°C for heating.

- Brushless DC inverter motor designed to use electricity efficiently and effectively.
- Rapid heat and cool function which increases power temporarily to achieve desired temperature quickly before returning to normal power.
- Reverse cycle for heating and cooling.
- The indoor unit can operate at a lower noise level. This occurs because the outdoor unit will operate at a lower frequency and the indoor unit then shifts to a lower fan speed which results in a quieter operation.
- Follow me: the sensor built into the remote controller is active and the air conditioner will regulate the room temperature based on the temperature around the remote controller.

- Hidden display: lights can be turned off by remote controller when unit is running.



Display



Hidden Display

- Self-cleaning removes moisture which can cause mould to form on the indoor unit.
- Low maintenance and easy to install.
- Use of R410A non ozone depleting refrigerant.
- 5 year warranty for consumer confidence.
- To avoid cold drafts in heating mode the indoor units will pre-heat before starting.

# Features



DC Inverter Control



Auto Restart



Sleep Mode



Timer



Turbo Mode



Quiet Mode



Louver Position Memory



Self Clean



5 Year Warranty



Washable Filter

## Product Specifications

INDOOR		42QHC020	42QHC026	42QHC035	42QHC050	42QHC055	42QHC065	42QHC080	42QHF092	
OUTDOOR		38QHC020	38QHC026	38QHC035	38QHC050	38QHC055	38QHC065	38QHC080	38QHF092	
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Power Supply (Volts-Phase-Hz)		220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	
COOLING	Capacity - rated (range)	kW	2.1 (0.50 ~ 3.50)	2.6 (0.50 ~ 3.80)	3.5 (0.50 ~ 4.30)	4.9 (0.80 ~ 5.80)	5.5 (1.50 ~ 6.00)	6.4 (2.70 ~ 6.70)	8 (3.50 ~ 8.50)	9.2 (3.60 ~ 9.60)
	Power Input - rated (range)	kW	0.52 (0.32 ~ 1.40)	0.66 (0.32 ~ 1.80)	0.91 (0.32 ~ 2.20)	1.5 (0.60 ~ 2.60)	1.55 (0.60 ~ 2.80)	1.95 (0.60 ~ 3.00)	2.45 (0.95 ~ 3.40)	2.88 (0.95 ~ 3.60)
	Efficiency - rated (range)	EER	4.04 (2.30 ~ 8.00)	3.94 (2.30 ~ 8.00)	3.85 (2.30 ~ 8.00)	3.27 (2.00 ~ 6.00)	3.55 (2.00 ~ 6.00)	3.28 (2.00 ~ 6.00)	3.27 (2.00 ~ 6.00)	3.19 (2.00 ~ 6.00)
	Operating current	A	2.40	3.05	4.04	6.86	7.56	9.57	11.06	12.75
HEATING	Capacity - rated (range)	kW	2.8 (0.60 ~ 3.80)	3.2 (0.60 ~ 4.20)	3.7 (0.60 ~ 4.80)	5.2 (1.00 ~ 6.00)	6.3 (1.80 ~ 6.80)	7.1 (2.20 ~ 7.10)	8.4 (3.50 ~ 9.10)	9.8 (3.80 ~ 9.80)
	Power Input - rated (range)	kW	0.71 (0.28 ~ 1.40)	0.78 (0.28 ~ 1.80)	0.98 (0.28 ~ 2.20)	1.58 (0.50 ~ 2.60)	1.8 (0.55 ~ 2.80)	2.12 (0.55 ~ 3.00)	2.5 (0.94 ~ 3.30)	2.75 (0.95 ~ 3.50)
	Efficiency - rated (range)	COP	3.94 (2.00 ~ 6.00)	4.1 (2.00 ~ 6.00)	3.78 (2.00 ~ 6.00)	3.29 (2.00 ~ 6.00)	3.5 (2.00 ~ 6.00)	3.35 (2.00 ~ 6.00)	3.36 (2.00 ~ 6.00)	3.56 (2.00 ~ 6.00)
	Operating current	A	3.18	3.51	4.27	7.03	7.92	9.38	11.21	11.82
INDOOR UNIT	Dimension (WxDxH)	mm	730x192x291	812x192x300	812x192x300	973x218x319	1082x225x338	1082x225x338	1082x225x338	1259x283x362
	Net weight	kg	8.0	9.0	9.0	12.0	14	13.5	13.5	19.0
	Cooling airflow (Turbo/H/M/L)	L/s	144/128/106/78	164/139/108/83	172/139/108/83	222/211/153/128	333/319/247/214	333/319/247/214	375/347/264/236	356/328/264/222
	Moisture removal	L/hr	0.23	0.51	1.19	1.63	1.07	1.99	3.23	3.58
	Cooling - (sound pressure) (Turbo/H/M/L) - 1m	dBa (@spl)	42/39/35/30	43/40/36/31	43/40/36/31	46/44/39/36	51/48/43/38	51/48/43/38	52/51/43/38	52/51/44/39
	Cooling sound power (H)	dBa (@swl)	51	52	53	55	61	61	62	63
OUTDOOR UNIT	Dimension (WxDxH)	mm	700x275x550	770x300x555	800x333x554	800x333x554	845x363x702	845x363x702	946x420x810	946x420x810
	Net weight	kg	23.0	26.5	33.5	38.5	45.0	44.0	62	63
	Compressor type	-	rotary	rotary	rotary	rotary	twin rotary	twin rotary	twin rotary	twin rotary
	Fan motor output	W	40	40	40	48	57	50	120	120
	Cooling - (sound pressure) (H) at 1m distance	dBa (@spl)	54	54	55	56	58	58	61	61
	Cooling sound power (H)	-	60	61	62	64	65	67	69	69
	Cooling usable temperature range	°C	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating usable temperature range	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
PIPE SIZE	Liquid line Ø/Gas line Ø	mm (inch)	6.35/9.52 (1/4"/3/8")	6.35/9.52 (1/4"/3/8")	6.35/9.52 (1/4"/3/8")	6.35/12.7 (1/4"/1/2")	9.52/15.9 (3/8"/5/8")	9.52/15.9 (3/8"/5/8")	9.52/15.9 (3/8"/5/8")	9.52/15.9 (3/8"/5/8")
	Coupler style	-	flaring	flaring	flaring	flaring	flaring	flaring	flaring	flaring
	Minimum length	m	3	3	3	3	3	3	3	3
	Maximum length	m	20	20	20	30	40	40	40	40
	Chargeless length	m	5	5	5	5	5	5	5	5
	Additional refrigerant	g/m	15	15	15	15	30	30	30	30
	Maximum height difference (above/below)	m	10	10	10	20	20	20	20	20

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.

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