Carrier

United Technologies

turn to the experts

XPOWER TITANIUM

- Sleek modern design
- Eco-Friendly R32 Refrigerant
- Golden fin for anti-corrosion
- High efficiency 3D Inverter
- WIFI enabled - requires optional WIFI kit

WiFi

Experience ultimate comfort with the all new range of R32 Carrier X-Power Titanium Hi-Walls. A highly efficient inverter system with environmentally friendly R32 refrigerant makes this heat pump very economical to run.

Features

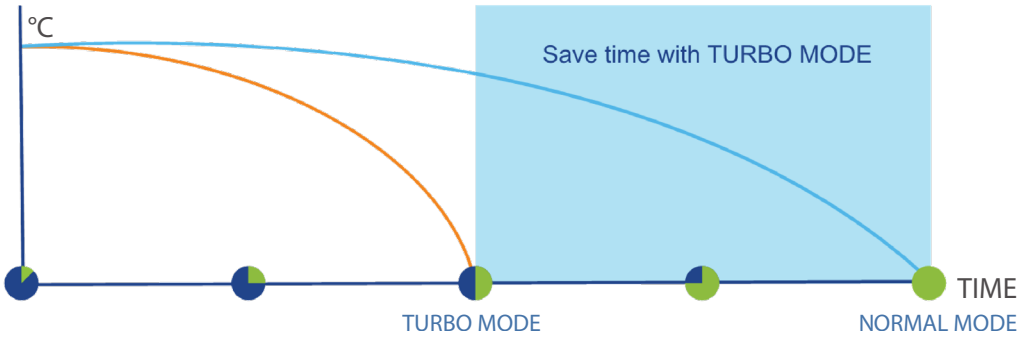
New R32 Refrigerant - Better For Your World

R-32 is a next generation refrigerant that efficiently carries heat whilst having a lower environmental impact. The new Carrier X-Power Titanium range of Hi-Walls efficiently conveys heat and can reduce your electricity consumption.

Furthermore, R32 has a lower global warming potential that is one-third lower than the current R410A refrigerant being used, making it remarkable for its low environmental impact and better for the world.

Quick Heating by Turbo Mode

With this function, the heat pump will maximise the output of the heating or cooling capacity, making the room heat up or cool down rapidly, and attain the desired temperature in the shortest amount of time.



Even Air Distribution

The flap on the indoor unit can be manually or automatically directed in four directions - up, down, left and right, ensuring an even distribution of air throughout the room.

WIFI Enabled

The unit comes enabled with WIFI. An optional WIFI kit is needed to use the WIFI function. Simply plug in the USB adaptor, download the Carrier Air Conditioning smart phone app and you will be able to control your heat pump from anywhere. Setting weekly timers, on/off function, self diagnosis can all be done through the app.

My Mode

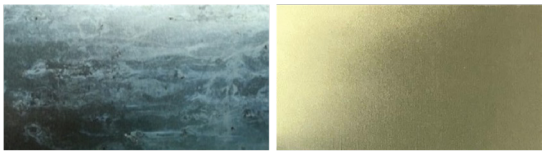
The X-Power Titanium has the ability to remember your preferred operating mode, enjoy warming up or cooling down with the auto-start adjustment of your settings.
Press the 'My Mode' button and the heat pump will remember your preferred options to get you comfortable quicker.

Golden Fin Plus

The new generation anti-corrosive golden coating on the heat exchangers can withstand the salty air, rain and other corrosive elements. It also effectively prevents bacteria from breeding and improves heat efficiency. The Golden Fin has a 5-layer precision structure and features anti-corrosion, self-lubrication, and self-cleaning function for higher heat transfer efficiency.

Golden Fin Testing

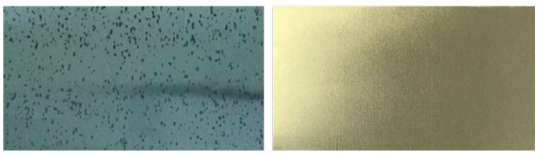
Test 1 - Neutral Salt Spray



Standard Fin Golden Fin

1000h neutral salt spray (equivalent to ordinary environment of more than 10 years): anti-corrosion grade ≥ 9.5, no perforation.

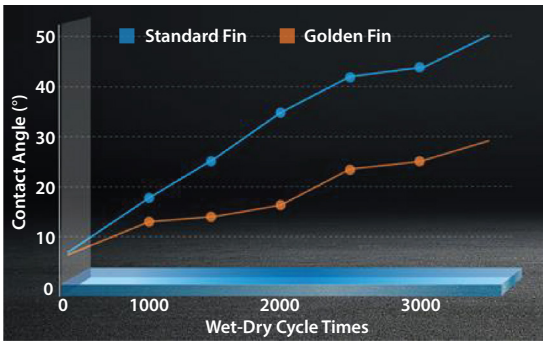
Test 2 - Acid Resistance



Standard Fin Golden Fin

Acid resistance tests for 30 minutes (equivalent to 10,000 times than the environment of acid rain): corrosion area ≤ 0.5%.

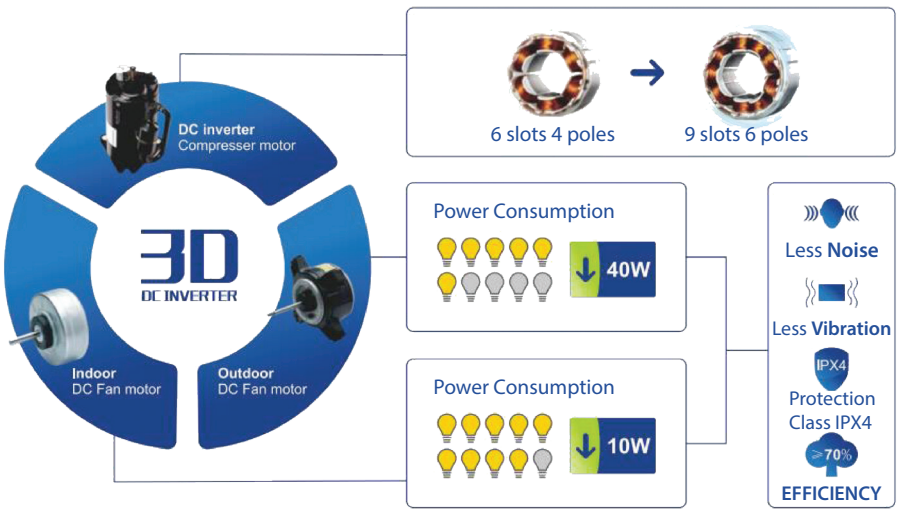
Test 3 - Dry-Wet Cycle



The law of change between contact angle and wet-dry cycle times.

After 3000 time wet-dry cycle with simulated condensate water (equivalent to heat pump used for 10 years), Golden hydrophilic coating aluminium foil maintains better hydrophilic property (contact angle θ ≤30°).

High Efficiency 3D Inverter



The optimised compressor design with DC brushless motor technology in the outdoor unit results in lower power consumption, saving you money on your electricity bill.

Applying 9 slots 6 poles winding motor and enhanced muffler enables lower sound level, lower vibration and higher efficiency.

The fast operating compressor in Carrier Inverter heat pumps means powerful performance which attains the desired temperature in your home much quicker for ultimate comfort.

Low ambient performance down to -15°C guarantees warmth even in the coldest weather.

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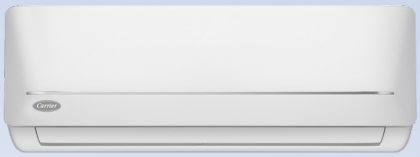
Product Specifications



026 to 070 range

*090 Aspire style unit

SYSTEM			53QHB026	53QHB035	53QHB050	53QHB070	53QHB090
INDOOR			42QHB026N8	42QHB035N8	42QHB050N8	42QHB070N8	42QHB090N8
OUTDOOR			38QHB026N8	38QHB035N8	38QHB050N8	38QHB070N8	38QHB090N8
Refrigerant Type			R32				
Power Supply (Volts-Phase-Hz)			220-240V, 1 Ph, 50Hz				
COOLING	Capacity - Rated (Range)	kW	2.50 (0.50 ~3.10)	3.30 (0.60 ~3.80)	5.10 (0.90 ~5.80)	7.00 (1.50 ~8.00)	9.00 (3.30 ~9.60)
	Power Input - Rated (Range)	kW	0.54 (0.13 ~0.74)	0.77 (0.14 ~1.10)	1.25 (0.32 ~1.50)	1.98 (0.43 ~2.80)	2.56 (0.90 ~3.60)
	Efficiency - Rated	EER	4.63	4.29	4.08	3.54	3.52
	Rated Current	A	2.40	3.60	5.60	9.00	12.00
HEATING	Capacity - Rated (Range)	kW	3.10 (0.60 ~4.20)	3.80 (0.70 ~4.30)	5.90 (1.00 ~6.20)	7.80 (1.80 ~8.60)	9.70 (3.60 ~12.00)
	Powr Input - Rated (Range)	kW	0.68 (0.13 ~1.20)	0.89 (0.14 ~1.40)	1.55 (0.33 ~2.00)	2.18 (0.43 ~2.80)	2.70 (0.90 ~3.70)
	Efficiency - Rated	COP	4.56	4.27	3.81	3.58	3.59
	Rated Current	A	3.00	4.10	6.70	10.00	12.60
INDOOR UNIT	Dimension (H x W x D)	mm	297 x 802 x 189		335 x 1080 x 226		362 x 1259 x 282
	Net Weight	kg	8.7		14.0		19.5
	Airflow (Turbo/H/M/L)	m^3/hr	600/530/470/350		1170/1030/820/710	1170/1050/820/710	1430/1350/1090/960
	Moisture Removal	L/hr	0.6	1.2	1.6	2.0	3.3
	Sound Pressure (Turbo/H/M/L)	dBA	41/39/36/30	41/40/36/31	50/48/44/42	50/48/44/42	55/51/45/41
	Max. Input Consumption	kW	2.20	2.45	3.60	4.05	4.50
	Max. Current	A	9.5	10.5	15.5	17.5	19.5
OUTDOOR UNIT	Dimension (H x W x D)	mm	554 x 800 x 333		702 x 845 x 363		810 x 945 x 410
	Net Weight	kg	33.1	33.3	43.5	53.1	64.5
	Compressor Type		Rotary				
	Fan Motor Output	W	40		50		120
	Sound Pressure	dBA	55		60		64
	Cooling Usable Temperature Range	°C	-15 to 50				
	Heating Usable Temperature Range	°C	-15 to 30				
PIPE SIZE	Liquid Line Ø	inch	1/4			3/8	
	Gas Line Ø	inch	3/8	1/2		5/8	
	Design Pressur						
	Maximum Length	m	25		30	50	
	Chargeless Length	m	5				
	Maximum Difference in Level	m	10		20	25	
SIZE GUIDE	Application Area Guide*	m^2	11-17	16-23	23-33	32-47	41-60

* This is only an indicative guide, please seek professional advise for accurate sizing.

AHI Carrier

Notice: AHI Carrier is committed to continuously improving its products, to ensure the highest quality and reliability standards, and to meet local regulations and market requirements. All features and specifications subject to change without prior notice.
Note: All images provided in this catalogue are used for illustration purposes only.
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