

Technical specifications

Indoor Unit		Unit	HEAT PUMP			
			42QHA012VS	42QHA018VS	42QHA024VS	42QHA030VS
Unit Size		TR	1.0	1.5	2.0	2.5
Rated Capacity at T1	Cooling	BTU/h	12000	18,000	22,000	27000
		kW	3.51	5.25	6.45	7.90
Rated Capacity at T3	Cooling	BTU/h	10600	16,400	19,200	23,200
		kW	3.09	4.80	5.61	6.80
Rated Capacity	Heating	Watts	3,500	5,450	7,600	8,300
Power Supply		V-Ph-Hz	220-240V- 50/60Hz, 1Ph			
Total System Power Input at T1	Cooling	Watts	870	1,300	1,570	2160
Total System Power Input at T3	Cooling	Watts	1,080	1,630	1,970	2605
Total System Power Input	Heating	Watts	950	1,390	2,100	2100
EER at T1	Cooling	Btu/W-h	13.75	13.85	14.00	12.50
EER at T3	Cooling	Btu/W-h	9.80	10.05	9.75	8.85
COP	Heating	w/w	3.65	3.90	3.60	3.95
Air Filter Type			Washable air filter			
Air Flow Rate (High/ Medium/ Low Speed)		CFM	356 / 280 / 230	685 / 535 / 485	685 / 540 / 485	765 / 645 / 575
Indoor Noise Level (High/ Medium/ Low Speed)		dBA	41 / 37 / 33	49 / 43 / 41	49 / 45 / 41	51 / 48 / 45
Net / Gross Weight		Kg	8.7 / 11.1	13.5 / 17.1	13.8 / 17.4	20 / 25.9
Dimensions (W x D x H)		mm	802 x 189 x 297	1080 x 226 x 335	1080 x 226 x 335	1259 x282 x362
Pipe Connection Size	Liquid	inch	1/4"		3/8"	
	Suction	inch	1/2"		5/8"	
	Drain	inch	5/8"			
Outdoor Unit		Unit	HEAT PUMP			
			38QHA012VS	38QHA018VS	38QHA024VS	38QHA030VS
Power Supply		V-Ph-Hz	220-240V- 50/60Hz, 1Ph			
Compressor Type			DC Inverter Rotary			
Refrigerant			R410a			
Refrigerant Pipe (Max Length)	Vertical + Horizontal	mts	25	30	30	50
	Vertical (OU & IU)	mts	10	20	20	25
Recommended Wire Size/No. of Wires for Power Supply to Outdoor Unit *		mm² / qty	1.5 / 3	2.5 / 3	2.5 / 3	2.5 / 3
Recommended Wire Size/No. of Wires for Control from Indoor to Outdoor Unit *			1.5 / 4	1.5 / 4	1.5 / 4	1.5 / 4
Dimensions (W x D x H)		mm	800 x 333 x 554	845 x 363 x 702	946 x 410 x 810	946 x 410 x 810
Net Weight		Kg.	37.3 / 39.9	41.4 / 44.6	59.6 / 65.4	64.1 / 69.3
Outdoor Air Temperature Operation (Cooling / Heating)		°C	-10～ 60/ -15～24			

Notes:
1. T1 conditions: Indoor Air Temperatures °27C (DB) / °19C (WB) and Outdoor Air Temperatures °35C (DB) / °24C (WB)
2. T3 conditions: Indoor Air Temperatures °29C (DB) / °19C (WB) and Outdoor Air Temperatures °46C (DB) / °24C (WB)
* Recommended wire sizes are for reference & guidance ONLY, all field wires should comply with National and International Electrical Codes
Carrier reserves the right to change features and/ or specifications anytime without notice and without incurring any liability



Inverter High Wall Unit
42QHA/38QHA

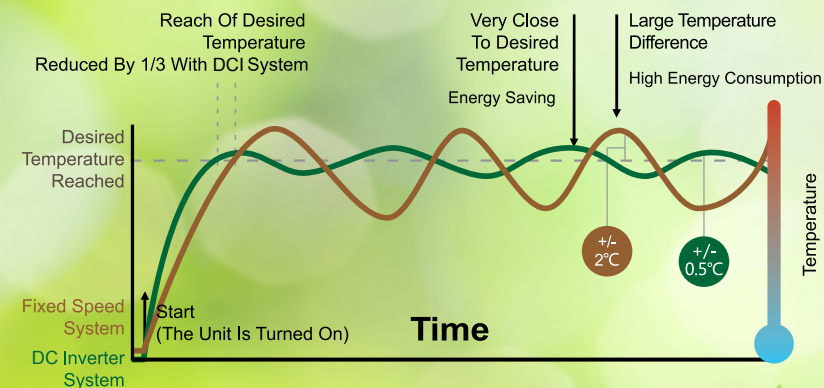


With non-ozone depleting refrigerant (R-410A)



Fast cooling

DC inverter compressor can operate faster and is more powerful, allowing it to cool much faster than conventional air conditioners.



Efficient performance

Carrier's range of condensing units guarantee continuous exceptional performance in extreme ambient conditions



Full Direct Current (DC) motor Ultra low power consumption

The upgraded DC motor power system of the inverter model forms a full DC frequency conversion system and dramatically reduces power consumption.



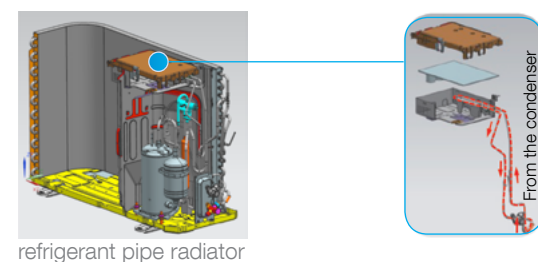
Tropical inverter compressor

Advanced tropical inverter compressor can achieve high efficiency under high load condition.



Auto-cooling system

New designed refrigerant pipe radiator utilize low temp. refrigerant to cool the E-box efficiently, which can improve cooling performance at high ambient temperature.



Compound filter

Combines three filters from eight different types including cold catalyst filter, vitamin C filter, multifunction filter to meet various needs simultaneously and improve internal air quality (IAQ).



Refrigerant leakage detection

The indoor unit will show error code "EC" and stop automatically when refrigerant leakage is detected. This function can protect the compressor from being damaged.



Valve protection cover

The cover protects the valves against impact during transportation. Furthermore, it also prevents the condensed water on the valve from dripping.



2 ways piping connection

Both left and right sides of the indoor unit are possible for outstretch of connective piping and drainage hose.



Self-diagnostic function

In the event of any abnormal operation or parts failure, the unit will shut off automatically to protect the system. Meanwhile it will indicate a protection or error code indicating a need for service.



Anti-rust cabinet

With anti-rust coating, the cabinet is well protected from the elements.



Follow me function

Follow me function for smart control of comfortable temperature when you stay close to the remote control. With this technology, an efficient temperature sensor is built in the remote control to sense your location and to make it feel like the air conditioner is following you.



Smart air flow

The smart air flow function allows for optimum distribution of cooled air across the entire room.