

## Technical specifications

Indoor Unit		Unit	HEAT PUMP		
			42QTC012H	42QTC018H	42QTC024H
Unit Size	Cooling	TR	1.0	1.5	2.0
Rated Capacity at T1		BTU/h	11,800	18,000	23,500
		Watts	3,458	5,275	6,887
Rated Capacity at T3		BTU/h	10,700	16,300	20,700
		Watts	3,136	4,777	6,067
Rated Capacity		Heating	BTU/h	11,600	18,500
	Watts		3,400	5,422	7,620
Power Supply	V-Ph-Hz		220-230V - 50/60Hz, 1Ph		
Total System Power Input at T1	Cooling	Watts	780	1,300	1,680
Total System Power Input at T3		Watts	970	1,620	2,100
Total System Power Input	Heating	Watts	810	1,350	2,180
EER at T1	Cooling	Btu/W-h	15.15	13.85	14.02
EER at T3		Btu/W-h	11.05	10.07	9.81
EER at T1		w/w	4.4	4.1	4.1
EER at T3		w/w	3.2	2.9	2.9
COP	Heating	Btu/W-h	14.3	13.7	11.9
Air Filter Type	Washable air filter				
Air Flow Rate (High/ Medium/ Low Speed)	CFM		835 / 700 / 520	1150 / 830 / 620	1150 / 785 / 570
Indoor Sound Pressure Level (High/ Medium/ Low Speed)	dBA		44.7 / 41.5 / 36	49.5 / 44.2 / 37.2	51.3 / 44.9 / 41.8
Net Weight	Kg		11.2 / 14.7	13.8 / 17.6	13.9 / 17.6
Dimensions (W x H x D)	mm		1010 x 230 x 326	1130 x 240 x 340	1130 x 240 x 340
Pipe Connection Size	Liquid	inch	1/4"		3/8"
	Suction	inch	1/2"		5/8"
	Drain	inch	/		/
Outdoor Unit		Unit	HEAT PUMP		
			38QTC012H	38QTC018H	38QTC024H
Power Supply	V-Ph-Hz		220/240V-1PH-50/60Hz		
Compressor Type			Rotary		
Refrigerant			R410A		
Refrigerant Pipe (Max Length)	Vertical + Horizontal	mts	25	30	
	Vertical (OU & IU)	mts	10	20	
Recommended Wire Size/No. of Wires for Power Supply to Outdoor Unit *	mm <sup>2</sup> / qty		1.5 / 3	2.5 / 3	
Recommended Wire Size/No. of Wires for Control from Indoor to Outdoor Unit *			1.0 / 4		
Dimensions (W x D x H)	mm		800 x 333 x 554	845 x 363 x 702	946 x 410 x 810
Net Weight	Kg.		35.5 / 38.1	41.4 / 44.6	59.6 / 56.4
Max Outdoor Air Temperature Operation	°C		52		

### Notes:

1. T1 conditions: Indoor Air Temperatures 27°C (DB) / 19°C (WB) and Outdoor Air Temperatures 35°C (DB) / 24°C (WB)

2. T3 conditions: Indoor Air Temperatures 29°C (DB) / 19°C (WB) and Outdoor Air Temperatures 46°C (DB) / 24°C (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 without notice and without incurring any liability



# Inverter High Wall Unit 42QTC/38QTC



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



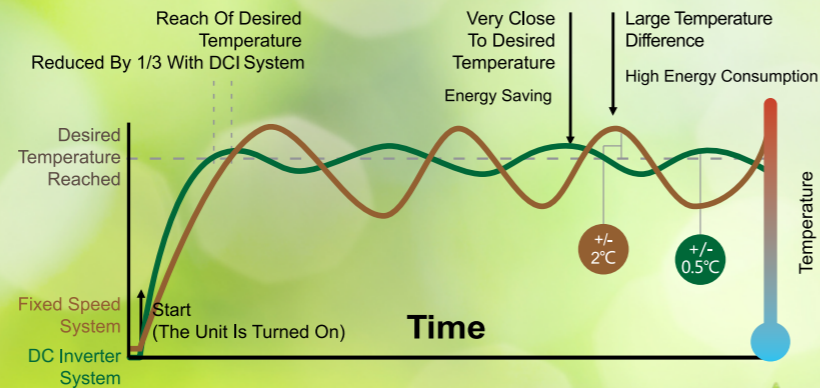
علامة الجودة الإماراتية  
Emirates Quality Mark





## 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



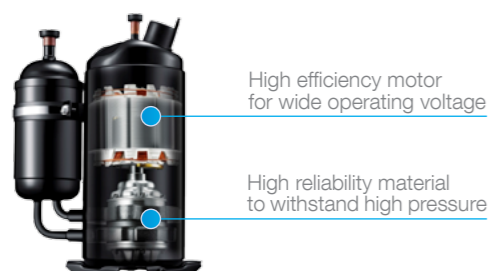
## Full Direct Current (DC) motor Ultra low power consumption

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



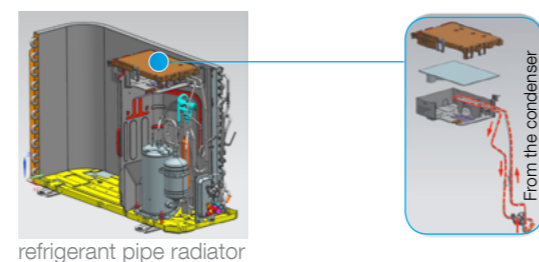
### Tropical inverter compressor

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).



### 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.



### 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.



### Anti-rust cabinet

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



### Valve protection cover

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



### 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.



### 2 ways piping connection

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



### Smart air flow

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