

TECHNICAL SPECIFICATION

QTF SPECIFICATION		QTF007713GE	QTF009713GE	QTF012713GE	QTF018713GE	QTF022713GE	QTF026713GE	
Indoor Model		42QTF007713GE	42QTF009713GE	42QTF012713GE	42QTF018713GE	42QTF022713GE	42QTF026713GE	
Outdoor Model		38QTF007713GE	38QTF009713GE	38QTF012713GE	38QTF018713GE	38QTF022713GE	38QTF026713GE	
Power supply	Ph-V-Hz	1Ph, 230V~50Hz	1Ph, 230V~50Hz	1Ph, 230V~50Hz	1Ph, 230V~50Hz	1Ph, 230V~50Hz	1Ph, 230V~50Hz	
Cooling	Capacity	Btu/h	7000	9000	11000	18000	22000	26000
	Input	W	640	825	1000	1650	2020	2200
	Rated current	A	2.9	3.7	4.4	7.5	9.1	9.9
	EER	W/W	3.21	3.20	3.22	3.20	3.19	3.20
Heating	Capacity	Btu/h	7500	9500	11000	19000	23000	28000
	Input	W	610	780	890	1580	1870	2150
	Rated current	A	2.7	3.5	4.0	7.3	8.4	9.7
	COP	W/W	3.60	3.57	3.62	3.52	3.60	3.54
Moisture Removal	L/h	0.8	1.0	1.1	1.8	2.3	2.6	
Max. input consumption	W	950	1150	1400	2200	2800	3100	
Max. current	A	4.2	5.5	7.0	12.0	14.5	15	
Starting current	A	14	21.7	19.2	31.8	36.8	54.5	
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	
	Rated current(RLA)	A	3.0/2.9	3.8/3.7	4.5/4.4	7.45/7.3	9.3/9.1	8.8/8.6
	Locked rotor Amp(LRA)	A	14	21.7	19.2	31.8	36.8	54.5
Indoor air flow (Hi/Mi/Lo)	m3/h	460 / 360 / 300	500 / 380 / 280	610 / 510 / 360	848 / 740 / 500	1223 / 1020 / 800	1223 / 1020 / 800	
Indoor noise level (Hi/Mi/Lo)	dB(A)	42 / 35 / 30	41 / 34 / 30	42 / 37 / 32	46 / 43 / 36	49 / 47 / 40	48 / 46 / 40	
Indoor unit	Dimension(W*D*H)	mm	715 x 188 x 250	715 x 188 x 250	800 x 188 x 275	940 x 205 x 275	1045 x 235 x 315	1045 x 235 x 315
	Packing (W*D*H)	mm	775 x 260 x 324	775 x 260 x 324	865 x 265 x 350	1015 x 265 x 350	1135 x 395 x 315	1135 x 395 x 315
	Net/Gross weight	Kg	6.5 / 8.5	6.5 / 8.5	8 / 10	10 / 12.5	12 / 15	12 / 15
Outdoor air flow	m3/h	1650	1650	1900	2300	2700	3500	
Outdoor noise level	dB(A)	55	56	55	58	60	63	
Outdoor unit	Dimension(W*D*H)	mm	700x240x540	700x240x540	780x250x540	760x285x590	845x320x700	900x315x860
	Packing (W*D*H)	mm	815x325x580	815x325x580	910x335x585	887x355x645	965x395x755	1043x395x915
	Net/Gross weight	Kg	22 / 24	25 / 27	26 / 28	39 / 41	45/49	61 / 65
Refrigerant type	g	R410A / 470	R410A / 590	R410A / 770	R410A / 1150	R410A / 1340	R410A / 2050	
Ref piping	Liquid side/ Gas side	inch	1/4" & 3/8"	1/4" & 3/8"	1/4" & 1/2"	1/4" & 1/2"	1/4" & 5/8"	1/4" & 5/8"
	Max. length	m	20	20	20	25	25	25
	Max. Height difference	m	8	8	8	10	10	10
Connection wiring	mm2/core	1.5mm x 5	1.5mm x 5	1.5mm x 5	2.5mm x 5	2.5mm x 3 + 1mm x 4	2.5mm x 3 + 1mm x 4	
Supply wiring	mm2/core	1.5mm x 3	1.5mm x 3	1.5mm x 3	2.5mm x 3	2.5mm x 3	2.5mm x 3	
Temp range	Indoor(cooling/ heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	°C	18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24
Application area	m2	10-17	13-22	18-29	26-44	32-53	35-58	
Qty/per 20' /40' /40'HQ		135 / 282 / 311	135 / 282 / 311	112 / 231 / 259	96 / 197 / 231	65 / 139 / 152	51 / 107 / 120	

Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB outdoor; 27°C (81°F) DB and 19°C (66°F) indoor. **Heating Conditions:** 7°C (45°F) DB and 6°C (43°F) WB outdoor; 20°C (68°F) DB and 15°C (59°F) WB indoor. *All wiring subject to onsite conditions and must conform to SANS 1014 wiring regulations Safety tested in accordance with SABS IEC 60335-2-40 applicable standard*

Notice: 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 are subject to change without prior notice.

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Health



Silver Ion Filter

Silver Ion

Carrier air conditioners take advantage of the latest technology to bring refreshing air into your home. Silver ion kills bacteria by releasing its particles continuously and effectively.

Comfort



Independent Dehumidification



Two-Direction Airflow



Wide-Angle Airflow



Anti-Cold-Air (Heat Pump Only) Airflow System



Low Noise

Improve Comfort

A host of new features are incorporated into the unit, allowing higher levels of user comfort. Great care was taken to ensure air is evenly distributed and humidity levels and unwanted noise is minimized.

Reliability



Anti Rust



Valve Protection



Self-diagnosis

5 Step Anti Rust Condensing Unit

1. Galvanised Metal
2. Electrophoresis Technique
3. Powder Coating
4. Paint Coating
5. Dacromet Screws

Technology



Rotary Compressor



Trapeziform Innergroove Copper Piping



Multi-bend Evaporator



Hydrophilic Aluminium Fin

Refrigerant Leak Detection

Carrier air conditioners use the latest available technology to ensure units are built to the highest standards of quality, durability, efficiency and performance.

Convenience



Auto-Restart



Cleanable Panel



2 Way Piping Connection



LED Display

OPTIONAL



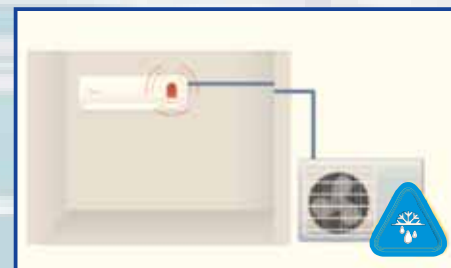
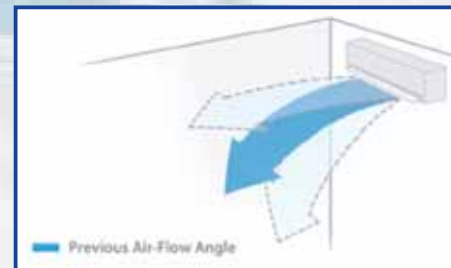
Wired Control

Auto-Restart

After power failures the unit will restart automatically, using previous stored user settings

Two Way Piping

Piping and drains can be connected from either side, allowing a wider range of installation options.

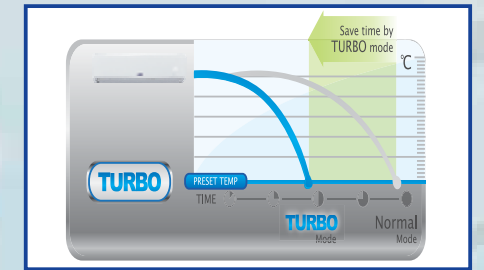


FEATURES

Turbo Mode



Turbo mode is best used when arriving home or receiving unexpected guests. During turbo mode, the air conditioner will operate at its maximum capacity and fan speed for 20 minutes in order to maximise cooling capacity output. This feature is especially helpful during high temperature conditions.



Follow Me Function



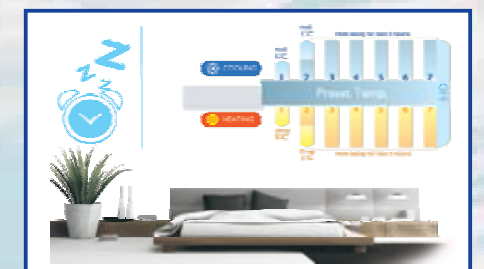
"Follow me" diverts temperature sensing from the unit to the remote control. This achieves the desired temperature where you are inside the room and not at the return air of the unit - almost as if the unit is following you.



Sleep Mode



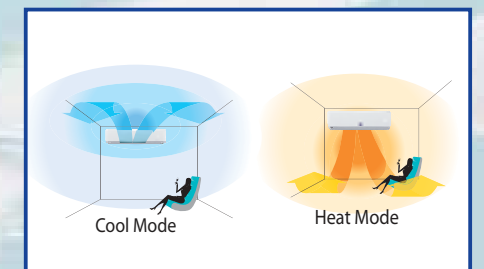
This function regulates the temperature setting of the air-conditioner in order to adapt to the changes in ambient, room and body temperature at night in order to ensure a more comfortable sleep. This function also helps to keep energy consumption lower than usual.



Smart Air flow



During cool mode, the supply air flap blows horizontally. This results in effectively reducing the temperature levels difference between top and bottom air space to achieve uniform temperature inside the room. During heat mode, the supply air flap blows the warm air directly on the floor. Since hot air is lighter than cold air, it will diffuse upward quickly. This results in effectively reducing the temperature difference between top and bottom air space.



Temperature Compensation



Usually during cool mode, the ceiling temperature (which the indoor room sensor detects) is lower than the floor temperature (which the body senses) by about 2°C. Temperature compensation function adjusts the set temperature in order to adapt to the 2°C temperature difference between the room and the floor to ensure higher levels of human comfort. The temperature compensation function in heating and cooling modes work to the same principle.

