

TECHNICAL SPECIFICATION

Fan Coil Unit (Indoor)			COOL ONLY					HEAT PUMP				
Model Number	UNIT		42KHG012HS	42KHG018HS	42KHG024HS	42KHA030HSN-1	42KHA036HSN	42QHG012HS	42QHG018HS	42QHG024HS	42QHA030HSP	42QHA036HSP
Rated Capacity at T1	Cooling	BTU/h	12,100	18,000	22,000	28,000	31,400	11,900	18,100	22,000	27,000	31,400
Rated Capacity at T3	Cooling	BTU/h	10,800	15,900	19,400	24,000	26,800	10,500	16,300	19,000	23,800	26,800
Rated Capacity	Heating	Watts	-	-	-	-	-	3,300	5,000	6,300	7,550	8,750
Power Supply	V-Ph-Hz		230V~, 1Ph, 60Hz									
Total System Power Input at T1	Cooling	Watts	988	1,513	1,818	2,231	2,617	991	1,502	1,818	2,180	2,617
Total System Power Input at T3	Cooling	Watts	1,227	1,828	2,230	2,651	3,135	1,193	1,812	2,235	2,645	3,135
Total System Power Input	Heating	Watts	-	-	-	-	-	943	1,449	1,750	2,041	2,465
EER at T1	Cooling	(Btu/h)/W	12.25	11.90	12.10	12.55	12.00	12.00	12.05	12.10	12.40	12.00
EER at T3	Cooling	(Btu/h)/W	8.80	8.70	8.70	9.05	8.55	8.80	9.00	8.50	9.00	8.55
SEER	Cooling	(Btu/h)/W	10.45	10.20	10.30	10.65	10.15	10.30	10.40	10.25	10.60	10.15
COP	Heating	w/w	-	-	-	-	-	3.50	3.45	3.60	3.70	3.55
Current at T1	Cooling	A	4.4	6.7	8.1	9.7	11.6	4.3	6.7	8.1	9.7	11.6
Current at T3	Cooling	A	5.5	8.0	9.9	11.8	13.9	5.3	8.1	9.9	11.7	13.9
Current	Heating	A	-	-	-	-	-	4.2	6.5	7.8	9.3	10.9
Air Filter type			Washable air filter									
Air Flow Rate (High/Medium/Low)	CFM		424/371/324	635/588/518	635/588/518	829/771/691	953/847/753	424/371/324	624/568/488	635/588/518	790/728/649	953/847/753
Indoor noise level (H/M/L)	dB(A)		40/36.5/34	47/44.5/40.5	46/42/38	51/49/45	51/48/45	40/37/34	46/44/39.5	49.5/44.5/40	50.5/46.5/43.5	51/48/45
Net Weight	Kg		12	15	14	20	21	12	14	14	20	21
Dimensions (W x D x H)	mm		969x241x320	1082x234x337	1082x234x337	1259x282x362	1350x272x365	969x241x320	1082x234x337	1082x234x337	1259x282x362	1350x272x365
Pipe Connection Size	Liquid	inch	1/4	1/4	3/8	3/8	3/8	1/4	1/4	3/8	3/8	3/8
	Suction	inch	1/2	5/8	5/8	3/4	3/4	1/2	5/8	5/8	3/4	3/4
	Drain	mm	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
Condensing Unit (Outdoor)			COOL ONLY					HEAT PUMP				
Model Number	UNIT		38KHG012HS	38KHG018HS	38KHG024HS	38KHA030HSN-1	38KHA036HSN	38QHG012HS	38QHG018HS	38QHG024HS	38QHA030HSP	38QHA036HSP
Power Supply	V-Ph-Hz		230V~, 1Ph, 60Hz									
Compressor Type			ROTARY									
Refrigerant			R410A									
Refrigerant Pipe (Max)	Vertical + Horizontal	mts	20	25	25	25	25	20	25	25	25	25
	Vertical (OU & IU)	mts	8	10	10	10	10	8	10	10	10	10
Recommended Wire Size/No. of wires for Power Supply to Indoor or Outdoor	mm ² / qty		1.5/3	2.5/3	2.5/3	2.5/3	2.5/3	1.5/3	2.5/3	2.5/3	2.5/3	2.5/3
Recommended Wire Size/No. of wires for Control from Indoor to Outdoor	mm ² / qty		1.5/3	2.5/3	2.5/4	2.5/4	1.0/4	1.5/3+0.75/2	2.5/3+0.75/2	2.5/3+0.75/3	2.5/3+0.75/3	1.0/4
Dimensions (W x D x H)	mm		805x330x554	890x342x673	890x342x673	946x410x810	946x410x810	805x330x554	890x342x673	890x342x673	946x410x810	946x410x810
Net Weight	Kg		31	44	51	64	68	34	47	52	67	70
Outdoor Air temperature operation	°C		18~52//	18~52//	18~52//	18~52//	18~52//	18~52/-7 ~24	18~52/-7 ~24	18~52/-7 ~24	18~52/-7 ~24	18~52/-7 ~24

Note:
 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)
 3) Heating conditions: Indoor Air Temperatures 20°C (DB) / 15°C (WB) and Outdoor Air Temperatures 7°C (DB) / 6°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 anytime without notice and without incurring any liability



(image shown here is a 12-24K model)

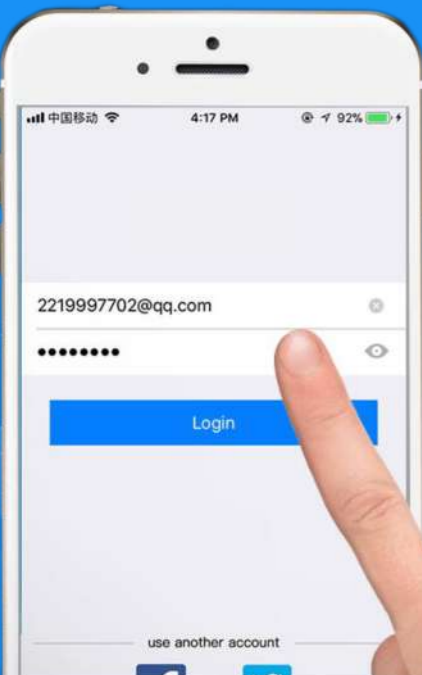
FIXED SPEED HIGH WALL UNIT

42KHG/KHA & 42QHG/QHA

WITH NON-OZONE DEPLETING REFRIGERANT (R410A)



SMART WIFI CONTROL



Simply download the Carrier app to control your air conditioner at anytime and from anywhere for ultimate convenience and peace of mind. Help your kids or grandparents operate the air conditioning, even when you're not home.



SMART CONTROL

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

Optional with different controls, suitable for all applications. (Only one can be chosen together with the IR wireless controller).

IR Wireless Control: Standard with the basic functions for the end user.

Wired Control: Same function with the IR wireless control, used for the commercial place.

WIFI Control: Online control to have more functions.



Condensing unit (12-24K models)

DUAL FILTRATION

The Dual Filtration system thoroughly eliminates harmful substances through the 2 steps, providing fresh and clean air to you.

STEP1: High Density Pre Filter

Dust



Dog hair



Dead mite feces



Fung

STEP2: Micro Protection Filter

Pollen (Allergen), smoke, micro dust (under 0.3um)



Flower pollen



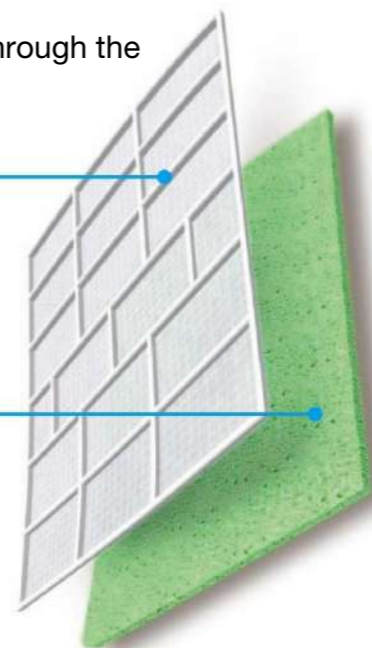
Bacteria



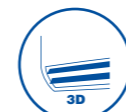
Car exhaust fumes



Smoke



Features



3D Air Flow

The louver can be manually or automatically directed in four directions up, down, left and right, ensure an even distribution of air throughout the room.



Louver Position Memory

When you start the unit next time, the angle of horizontal louver will automatically move to the same position as you set last time.



Gold Fin (Heat Pump models)

The unique anticorrosive golden coating on the indoor coil exchangers can withstand the corrosive elements. It also effectively prevents bacteria from breeding and improves heat efficiency.



Easy Installation

Easy installation, without too much manpower, installation without any difficulty, only simple installation tools.



Quick Cooling by Turbo Mode

With this function, the air conditioner will maximize the output of cooling or heating capacity, make the room cool down or heat up rapidly, and attain the desired temperature in the shortest amount of time.



Self Clean

This function helps reduce mould growth in the air conditioner by operating in low fan mode to dry the coils, so you can enjoy healthy air all year round. Simply press and hold the "High Power" button for more than 2 seconds to activate the Self Clean function, the controller will automatically manage the process.

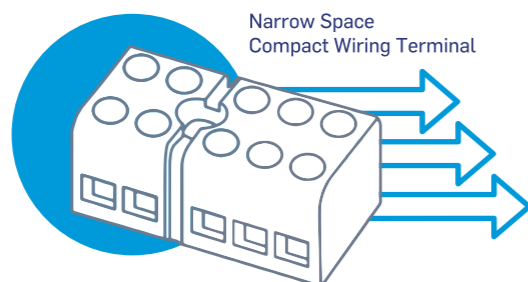
INSTALLATION MADE EASY

Bigger wiring terminal & easier wiring connection

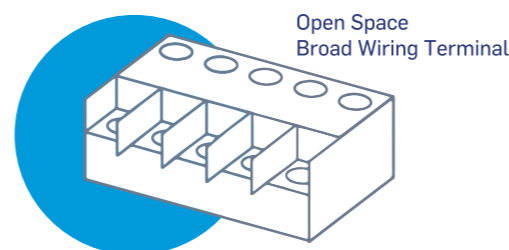
(Applicable only for 12-30K models)



Time Saving



Narrow Space Compact Wiring Terminal



Open Space Broad Wiring Terminal