



*Trusted with comfort and efficiency
for over 118 years*



General Catalogue 2021

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WEATHERMAKERS TO THE WORLD



Willis H. Carrier

THE INVENTOR OF MODERN
AIR-CONDITIONING THAT CHANGED
THE WAY WE LIVE, WORK AND PLAY.

Carrier is a world leader

A woman is riding a bicycle in a field of tall grass at sunset. The sun is low on the horizon, creating a warm, golden glow. Several birds are flying in the sky above the woman. The overall scene is peaceful and evokes a sense of freedom and well-being.

Built on Willis Carrier's invention of modern air conditioning in 1902, Carrier is a world leader in heating, air-conditioning and refrigeration solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency.

Our innovations drive new industries and it is why our products and services are trusted in every corner of the world – and why you can feel good about trusting us in your corner of it.

THE INVENTION THAT CHANGED THE WORLD!



Willis H. Carrier

1904

Willis Carrier applied for a patent on his invention, an "Apparatus for Treating Air." He had invented the world's first spray-type air conditioning equipment, able to both wash and humidify or dehumidify air. Modern air conditioning now had its fundamental building block.



1911

Willis Carrier's Rational Psychrometric Formulae brought science to what had been the often hit-or-miss design of air-conditioning systems, and in the process made Carrier an international name.



1917

Carrier hires America's first woman air-conditioning engineer, right around the time that the decision to allow U.S. women the right to vote was being debated by lawmakers.



1922

Carrier unveiled the first centrifugal chiller, which opened the door to large-scale comfort air-conditioning.



1926

Carrier unveiled the first centrifugal chiller, which opened the door to large-scale comfort air-conditioning.



1931

The M.V. Victoria became the first vessel to make its maiden voyage equipped with Carrier air conditioning.



1998

Willis Carrier is named one of Time magazine's "100 Most Influential People of the Century."



2016

Construction began on the Center for Intelligent Buildings Carrier Global Corporation Headquarters.

GET COMFORTABLE WITH CARRIER RESIDENTIAL SYSTEMS

Life can be unpredictable. So when you're home, your sense of comfort and relaxation should be just how you want it to be. Carrier helps millions of people take control of home comfort with innovative solutions ranging from furnaces to central air-conditioners to air quality products.

QUIET CONSISTENCY AT HOME

Carrier home comfort solutions can provide consistent temperature, humidity and air quality from room to room, hour to hour and minute to minute. Our quiet systems will not disrupt your routine. That means no loud noises when the furnace or air-conditioning turns on and no worries about performance – just ideal comfort.

ENERGY-EFFICIENT AIR-CONDITIONING

Carrier equip your home with products that are as efficient as they are reliable. From furnaces and central air-conditioners to heat pumps and ductless systems, Carrier heating and cooling products are among the world's most energy efficient.

INDOOR AIR QUALITY

Clean air is a key component of a healthy home. That's why Carrier offers a wide range of air quality solutions, including humidifiers, ventilators, ultraviolet lamps, air filters and monitors. As part of your home heating and cooling solutions, they can help reduce or even eliminate many allergens and harmful air pollutants – from dust and pet dander to chemical fumes and mold. Plus, our Indoor Air Quality Experts are available to help you implement exactly the system you need to maintain a healthy, comfortable environment at home.





Comfortable indoor
environment with maximum
energy efficiency

Advance Technology

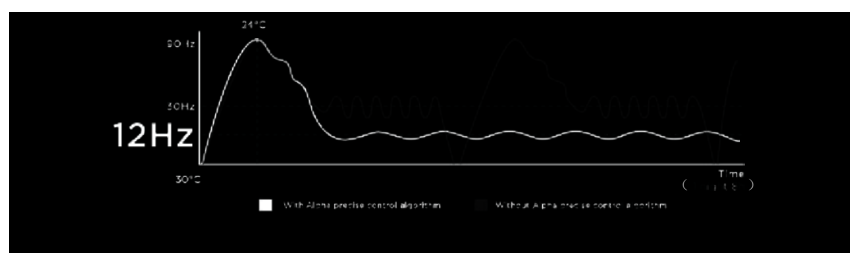
ENERGY SAVINGS (X-ECO MODE)

Just touch the X-ECO button to activate the mode. Your Carrier AC can keep you cool over an 8-hour night period with as low as 1.2 kWh energy consumption.



THE 4TH ALPHA-ENERGI INVERTER DEDUCTION PRECISE-CONTROL ALGORITHM

Allows continuous compressor operation at ultra-low speed of 12Hz. Allows compressor ultra-stable operation (vibration decreased up to 16 Times).



GEARSHIFT

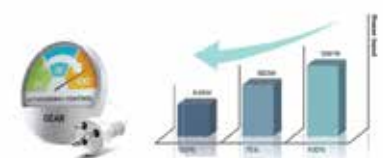


Carrier inverter air conditioners offer three operating power options: 50%gear, 75%gear, and 100% (without gear).



You can use Gear to control current directly 75% and 50% Gear can control current as below:

- 12K: 5A(5-5.9A)/3A(3-3.9)
- 18K: 6A(6-7.9A)/4A(4-5.9A)
- 24K: 8A(8-9.9)/6A(6-7.9A)

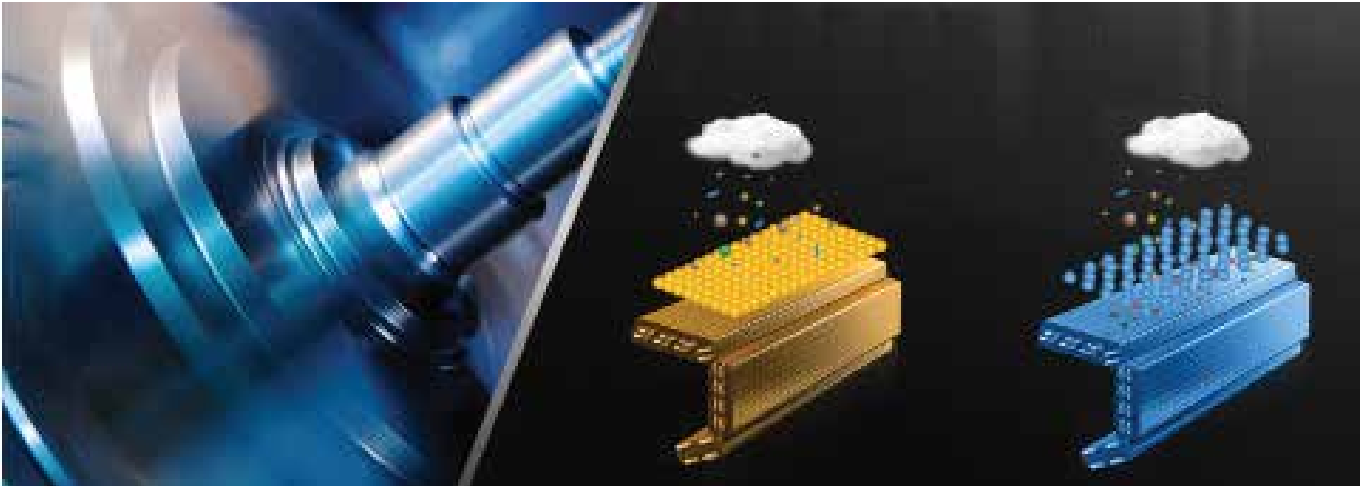




GOLDEN FIN

The unique anticorrosive 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

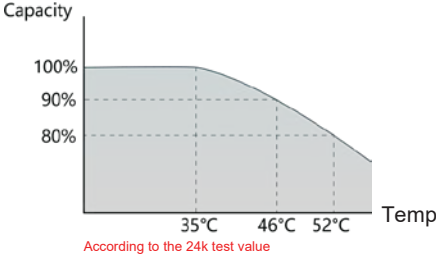
Fin have 5-layer precision structure features anti-corrosion, self-lubrication, and self-cleaning function for higher heat transfer efficiency.



EXTREMECOOL

Even in an environment with high temperatures, the compressor still keeps working to ensure continuous cooling.

With ExtremeCool, the unit still has 80% output capacity to cooling the room, even working under 52°C ambient temperature.



3D AIRFLOW

The directional air outlet moves automatically to direct air flow to every corner of the room and keep it thoroughly cool.



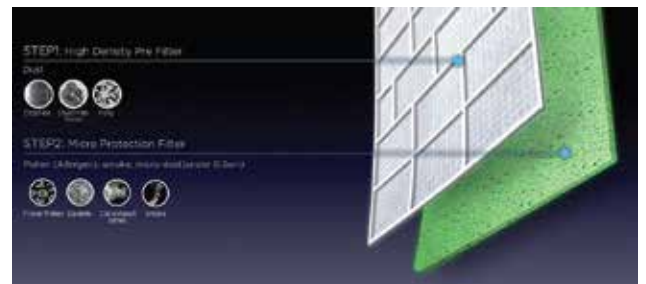
ACTIVE CLEAN

Active Clean Technology washes away dust, mold, and grease that may cause odors when they adhere to the heat exchanger. Your AC freezes the water and then rapidly thaws the frost. The internal wind wheel then keeps operating to blow-dry the evaporator, thus preventing the growth of mold and keeping the inside clean.



DUAL FILTRATION

The Dual Filtration system thoroughly eliminates harmful substances, providing fresh and clean air that you can comfortably breathe.



CORRODEFREE TRIPLE-PROTECTION SCREEN

Carrier's outdoor unit exterior casing, outdoor unit interior metal parts, and outdoor PCB circuit board are protected by the CorrodeFREE Triple-Protection Screen. Carrier outdoor units are resistant to damp, bacteria, salt, corrosion, acids, and alkalis. The products are built to stand the test of time.



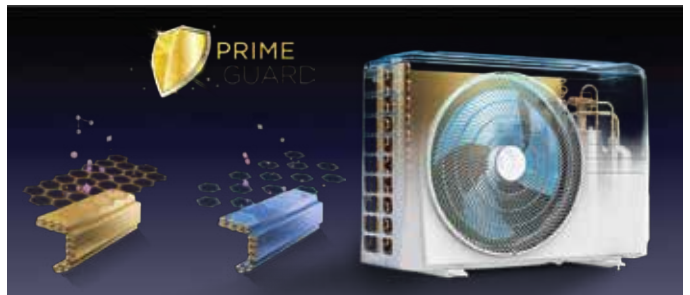
INTELLIGENT DUSTING SWITCH

Apart from the bionic fan blades, the Welling DC motor itself can constantly rotate in reverse to get rid of the sand and dust from outside, ensuring that the AC is clean and function swell.



COATING: PRIMEGUARD™

Carrier's PrimeGuard™ is more resistant in oxidation & corrosion than ordinary fins for condensers to furnish a steadier and long-lasting working environment. It can efficiently prevent bacteria from breeding and spreading, and withstand corrosive elements.



STABILITY PROTECTION - WIDE-RANGE VOLTAGE OPERATION

The Carrier PCB (Power Circuit Board) was enhanced to increase its ability to withstand voltage fluctuations (overloads), thus ensuring your air conditioner stably running under wide voltage operations without a separate voltage stabilizer.




SMART WIFI CONTROL WHEREVER YOU ARE

* 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.

* Product availability is based on local regulatory approval.





RESIDENTIAL







Inverter Hi-wall unit QHG series with I-control



Standard Features

- **Energy Saving:** Just touch the X-ECO button to activate the mode. Carrier AC can keep you cool over an 8-hour night period with as low as 1.2 kWh energy consumption.
- **R410A Refrigerant:** Environmental friendly refrigerant, R410A is applied.
- **I-control:** Carrier inverter air conditioners offer three operating power options. Such as 50% gear, 75% gear and 100%(without gear).
- **3D Airflow:** The directional air outlet moves automatically to direct air flow to every corner of the room and keep it thoroughly cool.
- **Wind Avoid Me:** Avoid wind blowing directly on you by using the remote to instantly adjust the wind direction.
- **Thermo Static:** Keeping you steadily cool with precise temperature control.
- **Dual Filtration:** The Dual Filtration system thoroughly eliminates harmful substances, providing fresh and clean air that you can comfortably breathe.
- **Active Clean:** Active Clean Technology washes away dust, mold, and grease that may cause odors.
- **Coating:** PrimeGuard™: Carrier's PrimeGuard™ is more resistant in oxidation & corrosion than ordinary fins for condensers to furnish a steadier and long-lasting working environment. It can efficiently prevent bacteria from breeding and spreading, and withstand corrosive elements.
- **Wide-range Voltage Operation:** The Carrier PCB (Power Circuit Board) was enhanced to increase its ability to withstand voltage fluctuations (overloads), thus ensuring air conditioner stably running under wide voltage operations without a separate voltage stabilizer.
- ***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.

* Product availability is based on local regulatory approval.



3D Air Flow



I-Control



R-410A



Dual Filtration



Active Clean



Washable Filter



Quiet Design



Sleep Mode



Auto Swing



* Wifi

Standard

TECHNICAL SPECIFICATIONS

QHG Inverter series - R410A

Indoor unit			42QHG012VS	42QHG018VS	42QHG024VS
Outdoor unit			38QHG012VS	38QHG018VS	38QHG024VS
Power supply		V,Hz,Ph	220-240V-50Hz, 1Ph	220-240V-50Hz, 1Ph	220-240V-50Hz, 1Ph
Voltage range (min-max)		V	198-264	198-264	198-264
Climate type			T3	T3	T3
Cooling	Capacity	Btu/h	12000(3500-16000)	18000(5500-21000)	24000(6500-26000)
	Input	W	830(260-1600)	1400(400-2200)	2105(600-2800)
	Current	A	3.67(1.15-7.07)	6.21(1.77-9.76)	9.33(2.66-12.41)
	EER	Btu-h/W	14.46	12.86	11.40
Heating	Capacity	Btu/h	13500(4000-16200)	19000(6600-22000)	25000(7500-28000)
	Input	W	940(300-1750)	1400(400-2200)	1990(700-3000)
	Current	A	4.21(1.35-7.84)	6.21(1.77-9.76)	8.75(3.10-13.27)
	COP	Btu-h/W	14.36	13.57	12.56
Compressor	Type		ROTARY	ROTARY	ROTARY
Indoor Unit Specifications					
Indoor air flow (Hi/Me/Lo)		m ³ /h	730/600/550	1150/820/640	1170/820/640
Indoor noise level (Hi/Me/Lo)		dB(A)	41/38/33	47/41/31	48/43/32
Indoor unit	Dimension(W*D*H)	mm	971x228x321	1082x234x337	1082x234x337
	Packing (W*D*H)	mm	1045x305x405	1155x415x315	1155x415x315
	Net/Gross weight	Kg	11.3/14.6	13.7/17.3	13.4/17
Outdoor Unit Specifications					
Outdoor noise level		dB(A)	54	58	60
Outdoor unit	Dimension(W*D*H)	mm	765x303x555	890x342x673	946x410x810
	Packing (W*D*H)	mm	887x337x610	995x398x740	1090x500x875
	Net/Gross weight	Kg	27.3/29.6	38.8/42.2	55.1/59.6
Refrigerant type/ Charge			R410A/1.10kg	R410A/1.45kg	R410A/1.92kg
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ6.35/φ12.7(1/4"/1/2")	φ6.35/φ12.7(1/4"/1/2")	φ9.52/φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	25	30	30
	Max. difference in level	m	10	20	20
Operating temperature	Outdoor	°C	0-60/-15-24	0-60/-15-24	0-60/-15-24

Note: Cooling and / or Heating Capacity are based on following conditions:

- a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)
 b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



Fix Speed Hi-wall unit QHG series

Standard Features

- **3D Airflow:** The directional air outlet moves automatically to direct air flow to every corner of the room and keep it thoroughly cool.
- **R410A Refrigerant:** Environmental friendly refrigerant, R410A is applied.
- **Turbo Mode:** With this function, the air conditioner will maximize the output of cooling or heating capacity, make the room cool down or heatup rapidly and attain the desired temperature in the shortest amount of time.
- **Dual Filtration:** The dual filtration system thoroughly eliminates harmful substances through the 2 steps, providing fresh and clean air to you.
- **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.
- **Golden Fin:** 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.



3D Air Flow



Turbo Mode



Dry Mode



Quiet Design



Sleep Mode



Auto Swing



Self Clean



Golden Fin



Dual Filtration



Louver
Memory



R-410A



Washable Filter

Standard

TECHNICAL SPECIFICATIONS

QHG Fixed speed series - R410A

Indoor Unit			42QHG012H	42QHG018H	42QHG024H	42KHG018HL	42KHG024HL	
Outdoor Unit			38QHG012H	38QHG018H	38QHG024H	38KHG018HL	38KHG024HL	
Power supply		V,Hz,Ph	220-240V-50Hz, 1Ph					
Type			T3					
Cooling	Capacity	Btu/h	12000	18100	24000	18000	23300	
	Input	W	1090	1645	2160	1530	2118	
	Rated current	A	4.80	7.30	9.50	6.79	9.48	
	EER	Btu/h/w	11.01	11.00	11.11	11.76	11.00	
Heating	Capacity	Btu/h	13000	19500	25500	/	/	
	Input	W	1055	1585	2130	/	/	
	Rated current	A	4.60	7.10	9.40	/	/	
	COP	W/W	3.61	3.61	3.51	/	/	
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
Indoor Unit specifications:								
Indoor air flow (Hi/Mi/Lo)		m3/h	580/500/390	810/615/565	1100/980/890	1060/960/885	1100/980/900	
Indoor noise level (Hi/Mi/Lo)		dB(A)	42/38/34	44/38/34	46/42/39	46/43/40	45/42/40	
Indoor unit	Dimension(W*D*H)	mm	802x200x295	971x228x321	1082x234x337	1082x234x337	1082x234x337	
	Packing (W*D*H)	mm	875x285x380	1045x305x405	1155x415x315	1155x415x315	1155x415x315	
	Net/Gross weight	Kg	9.1/11.4	12.2/15.5	14.8/18.5	14.9/18.5	14.8/18.4	
Outdoor Unit specifications:								
Outdoor unit	Dimension(W*D*H)	mm	805x330x554	805x330x554	890x342x673	805x330x554	890x342x673	
	Packing (W*D*H)	mm	915x370x615	915x370x615	995x398x740	915x370x615	995x398x740	
	Net/Gross weight	Kg	36.6/39.2	41.8/44.4	50.4/53.8	39.5/42.1	47/50.2	
Refrigerant type	g	R410A/750	R410A/1400	R410A/1800	R410A/1040g	R410A/1550g		
Design pressure	MPa	4.8/1.5	4.8/1.5	4.8/1.5	4.8/1.5	4.8/1.5		
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ6.35/φ12.7 (1/4"/1/2")	φ6.35/φ12.7 (1/4"/1/2")	φ9.52/φ15.9 (3/8"/5/8")	φ6.35/φ12.7 (1/4"/1/2")	φ9.52/φ15.9 (3/8"/5/8")	
	Max. refrigerant pipe length	m	20	25	25	25	25	
	Max. difference in level	m	8	10	10	10	10	
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	
Room temperature	Indoor(cooling/ heating)		16-32/0-30	16-32/0-30	16-32/0-30	16-32/----	16-32/----	
	Outdoor(cooling/heating)		18-52/-7-24	18-52/-7-24	18-52/-7-24	18-52/---	18-52/----	

Note: Cooling and / or Heating Capacity are based on following conditions:

















- a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)
- b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



Inverter Hi-wall unit QHA series (X-eco)

Standard Features

- **Energy Saving:** Brushless DC Compressor and high efficiency Carrier X-eco units have optimized compressor design, applying 9 slots 6 poles winding motor and optimized muffler.
- **Precise Control, Constant Temperature:** After quickly reaching the set temperature, Carrier X-eco unit finely adjusts output power to maintain a constant temperature with minimal fluctuation, and guarantees a pleasant, comfortable environment.
- **Golden fin plus:** The new generation anticorrosive 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.
- **Wider Operation Range:** Good performance across a wide temperature range. Could start up at 187-264V. Thus making Carrier X-eco units more reliable.
- **Follow Me:** Sense the surrounding temperature by the built in sensor of the remote controller, to adjust the room temperature more accurate.
- **Refrigerant Leakage Detection:** When system has leakage or compressor overload, the display board will show "EC" to alarm users which can better prevent the compressor being damaged.
- **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.
- **Four Directions Air Distribution:** The flap can be manually or automatically directed in four directions up, down, left and right, ensure an even distribution of air throughout the room.
- **R410A Refrigerant:** Environmental friendly refrigerant, R410A is applied.

 High density filter	 Turbo mode	 Two-directional air-flow	 Auto swing	 Two way draining	 Self-diagnosis and auto protection	 Emergency using function	 Refrigerant leakage detect
 Auto defrosting	 Timer	 Anti cold air function	 Louver position memory function	 Manual switch button	 R410-A	 Auto restart function	 X-eco

Standard

TECHNICAL SPECIFICATIONS

QHA series - R410A

Indoor Unit			42QHA012VSL	42QHA018VSL	42QHA024VSL
Outdoor Unit			38QHA012VSL	38QHA018VSL	38QHA024VSL
Type			Inverter Heat Pump		
Power supply		V,Hz,Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph
Voltage range (min-max)		V	187-264		
Type			T3		
Cooling	Capacity	Btu/h	12000 (4000-15000)	18000 (6500-20000)	24000 (8000-26600)
	Input	W	1050(420-1400)	1650(660-2000)	2140 (900-3150)
	Rated current	A	4.7 (2.1-6.5)	7.2 (3.3-9.2)	9.40 (4.3-13.7)
	EER	W/W	3.35	3.20	3.29
Heating	Capacity	Btu/h	12500 (5000-15500)	18500 (6700-20500)	25700 (8500-28500)
	Input	W	1000 (350-1700)	1500 (600-2190)	2150 (950-3150)
	Rated current	A	4.5 (1.7-8.2)	6.6 (3.0-11.1)	959 (4.5-13.7)
	COP	W/W	3.660	3.610	3.500
Compressor	Type		ROTARY	ROTARY	ROTARY
Indoor Unit Specifications					
Indoor air flow (Turbo/Hi/Mi/Lo)		m ³ /h	680/605/480/390	870/790/550/430	1200/1170/870/640
Air throw distance		m	6	8	10
Indoor noise level (Turbo/Hi/Mi/Lo)		dB(A)	41.5/40/34/25	45/43.5/36/31.5	49.5/49/43/36
Indoor unit	Dimension (W*D*H)	mm	802x189x297	965x215x319	1080x226x335
	Packing (W*D*H)	mm	875x285x375	1045x305x405	1155x315x415
	Net/Gross weight	kg	9.1/11.6	11.9/15.7	14.3/18
Outdoor Unit Specifications					
Outdoor noise level		dB(A)	57	54.5	61
Outdoor unit	Dimension (W*D*H)	mm	800x333x554	800x333x554	845x363x702
	Packing (W*D*H)	mm	920x390x615	920x390x615	965x395x765
	Net/Gross weight	kg	33.8/36.5	36.5/39.2	48.9/52.2
Refrigerant type/ Charge		g	R410A/1250	R410A/1200	R410A/1800
Refrigerant piping	Liquid side / Gas side	mm (inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	25	25	30
	Max. difference in level	m	10	10	20
Operating temperature	Indoor(cooling / heating)	°C	17-32/0-30	17-32/0-30	17-32/0-30
	Outdoor(cooling /heating)	°C	0-60/-7-24	0-60/-7-24	0-60/-7-24

Note: Cooling and / or Heating Capacity are based on following conditions:

a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)

b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)

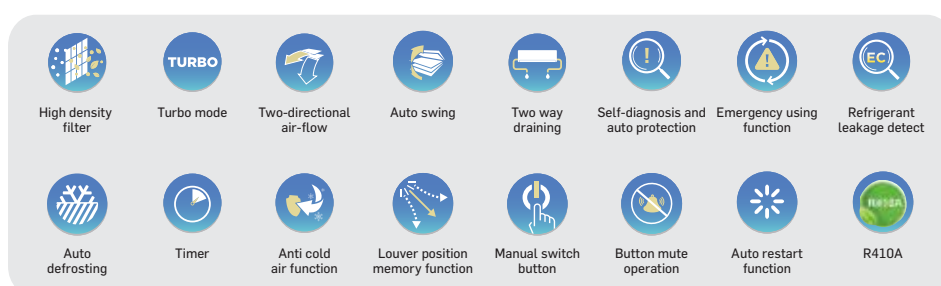


Fix Speed Hi-wall unit QCM Series



Standard Features

- **Dual Purification System:** The Dual Filters protect you from harmful particles to make you live a healthy life.
- **Washable High Density Filter:** Enhanced filter capacity, remove the micro dust from the air.
- **Cold Catalyst Filter:** Eliminate formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors.
- **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.
- **Four Way Air Distribution:** 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.
- **Follow Me:** Sense the surrounding temperature by the build in sensor of remote controller, to adjust the room temperature more accurate.
- **My Mode:** The air conditioner remembers your preferred operating mode and you can enjoy cooling off with the auto-start adjustment of your settings.
- **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.
- **Manual ON/OFF Button:** Manual button can be used to turn ON/OFF the unit temporary, and the structure design is more easy to access.
- **R410A Refrigerant:** Environmental friendly refrigerant, R410A is applied.



Standard

TECHNICAL SPECIFICATIONS

QCM series - R410A

Indoor Unit		42QCM018733G		42QCM024733G	
Outdoor Unit		38QCM018733G		38QCM024733G	
Type		Heat pump			
Power supply	V,Hz,Ph	220-240V,1Ph,50Hz		220-240V,1Ph,50Hz	
Refrigerant Type		R410A			
Type		T3			
Cooling	Capacity	Btu/h	18000	24000	
	Input	W	1758	2130	
	Rated current	A	7.7	9.4	
	EER	W/W	3	3.3	
Heating	Capacity	Btu/h	18000	26000	
	Input	W	1650	2000	
	Rated current	A	7.2	8.8	
	COP	W/W	3.2	3.81	
Compressor	Type	ROTARY		ROTARY	
Indoor unit specifications					
Indoor air flow (Turbo/Hi/Mi/Lo)		m ³ /h	1150/1030/850/700		1350/1120/1000/875
Indoor noise level (Turbo/Hi/Mi/Lo)		dB(A)	49/48/42/36		50/47/44/39
Indoor unit	Dimension(W*D*H)	mm	990x218x315		1186x258x343
	Packing (W*D*H)	mm	1065x300x405		1265x420x345
	Net/Gross weight	Kg	13.6/16.9		17.8/23.2
Indoor unit specifications					
Outdoor noise level		dB(A)	58		59.5
Outdoor unit	Dimension(W*D*H)	mm	845x363x702		890x342x673
	Packing (W*D*H)	mm	965x395x775		995x398x740
	Net/Gross weight	Kg	47.8/51.2		50.4/53.8
Design pressure		MPa	4.8/1.5		4.8/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)		9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe	m	25		25
	Max. difference in level	m	10		10
Working temperature		°C	18 ~ 54 / -7 ~ 24		18 ~ 54 / -7 ~ 24
Operation temperature		°C	17~30		17~30

Note: Cooling and / or Heating Capacity are based on following conditions:

- a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)
b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



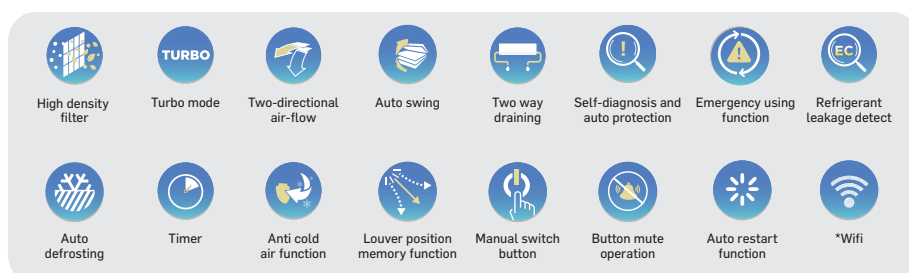
Fix Speed Hi-wall unit K/QAB Series



Standard Features

- **Golden fin plus:** The new generation anticorrosive 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. Outdoor coil coating is standard for heat pump models only.
- **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.
- **3D Auto Swing:** The flap can be manually or automatically directed in four directions up, down, left and right, ensure an even distribution of air throughout the room.
- **Follow Me:** Sense the surrounding temperature by the built in sensor of the remote controller, to adjust the room temperature more accurate.
- **My Mode:** The air conditioner remembers your preferred operating mode and you can enjoy cooling off with the auto-start adjustment of your settings.
- **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.
- **Washable High Density Filter:** Enhanced filter capacity, remove the micro dust from the air.
- ***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.

* Product availability is based on local regulatory approval.



Standard

TECHNICAL SPECIFICATIONS

K/QAB series

Indoor unit		42KAB018733		42KAB024733	
Outdoor unit		38KAB018733		38KAB024733	
Type		Cool Only			
Power supply		V,Hz,Ph	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	
Climate type		T3			
Cooling	Capacity	Btu/h	18000	24000	
	Input	W	1800	2420	
	Rated current	A	8.1	10.8	
	EER	W/W	2.93	2.91	
Heating	Capacity	Btu/h	/	/	
	Input	W	/	/	
	Rated current	A	/	/	
	COP	W/W	/	/	
Compressor	Type	ROTARY		ROTARY	
Indoor Unit Specifications					
Indoor air flow (Turbo/Hi/Mi/Lo)		m ³ /h	850/750/600/480	1050/1000/930/850	
Air throw distance		m	8	10	
Moisture removal rate		l/h	1.6	2.2	
Indoor noise level (Turbo/Hi/Mi/Lo)		dB(A)	45/43/37/33	47.5/47/43/41	
Indoor unit	Dimension(W*D*H)	mm	965x215x319	1080x226x335	
	Packing (W*D*H)	mm	1045x305x405	1155x315x415	
	Net/Gross weight	Kg	11.5/14.7	14.5/18.1	
Outdoor Unit Specifications					
Outdoor noise level		dB(A)	56	58	
Outdoor unit	Dimension(W*D*H)	mm	845x363x702	845x363x702	
	Packing (W*D*H)	mm	965x395x765	965x395x765	
	Net/Gross weight	Kg	44.1/47.3	47.2/50.3	
Refrigerant type/ Charge		g	R22/1200g	R22/2050g	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")	
	Max. refrigerant pipe length	m	15	20	
	Max. difference in level	m	8	10	
Operating temperature	Indoor(cooling/ heating)	°C	17 - 32/---	17 - 32/---	
	Outdoor(cooling/heating)	°C	18-54/---	18-54/---	

Indoor unit		42QAB012733		42QAB018733		42QAB024733	
Outdoor unit		38QAB012733		38QAB018733		38QAB024733	
Type		Heat pump					
Power supply		V,Hz,Ph	220-240V, 50Hz, 1Ph	220-240V, 50Hz, 1Ph	220-240V, 50Hz, 1Ph		
Climate type		T3					
Cooling	Capacity	Btu/h	12000	18000	23800		
	Input	W	1280	2020	2780		
	Rated current	A	6.0	9.0	12.5		
	EER	W/W	2.75	2.61	2.51		
Heating	Capacity	Btu/h	12500	20000	26000		
	Input	W	1160	1980	2520		
	Rated current	A	5.7	8.5	11.5		
	COP	W/W	3.16	2.96	3.02		
Compressor	Type	ROTARY					
Indoor Unit Specifications							
Indoor air flow (Turbo/Hi/Mi/Lo)		m ³ /h	630/560/490/370	830/ 770/620/490	1080/1065/950/760		
Air throw distance		m	6	8	10		
Moisture removal rate		l/h	1.0	1.6	2.2		
Indoor noise level (Turbo/Hi/Mi/Lo)		dB(A)	39/38/34/25	45/43/37/31	47.5/47/44/37		
Indoor unit	Dimension(W*D*H)	mm	802x189x297	965x215x319	1080x226x335		
	Packing (W*D*H)	mm	875x285x375	1045X305X405	1155x415x315		
	Net/Gross weight	Kg	9.0/11.2	11.8/14.8	14.5/18.3		
Outdoor Unit Specifications							
Outdoor noise level		dB(A)	55	57	59		
Outdoor unit	Dimension(W*D*H)	mm	770x300x555	845x363x702	845x363x702		
	Packing (W*D*H)	mm	900x345x585	965x395x765	965x395x765		
	Net/Gross weight	Kg	31.2/33.0	44.5/47.5	49/52		
Refrigerant type / Charge		g	R22/830g	R22/1300g	R22/1700g		
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ6.35/Φ12.7(1/4"/1/2")	Φ6.35/Φ12.7(1/4"/1/2")	Φ9.52/Φ15.9(3/8"/5/8")		
	Max. refrigerant pipe length	m	10	15	20		
	Max. difference in level	m	5	8	10		
Operating temperature	Indoor(cooling/ heating)	°C	17-32/0-30	17-32/0-30	17-32/0-30		
	Outdoor(cooling/heating)	°C	18-54/-7-24	18-54/-7-24	18-54/-7-24		

Note: Cooling and / or Heating Capacity are based on following conditions:

- a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)
- b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



Fix Speed Hi-wall unit QCF Series



42QCF024733 P



42QCF024733 S



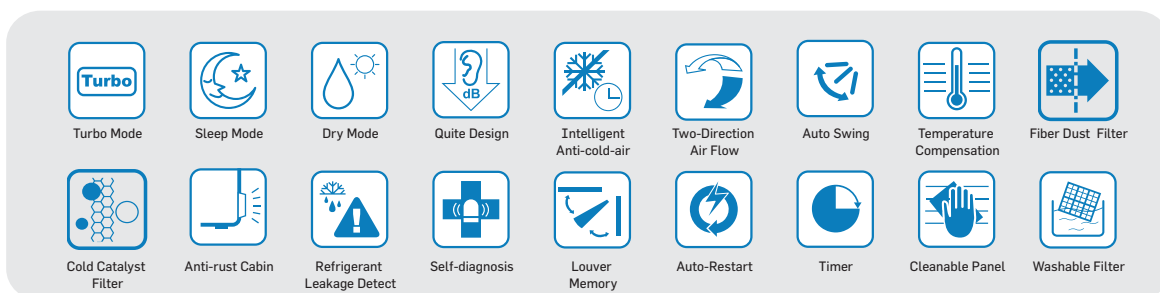
42QCF024733 R



42QCF024733 H

Standard Features

- Smart Self Diagnostic system that indicates any problem areas and ensures fast repairs. In case of any malfunction indoor will display a series of LEDs and thereafter will switch to Auto Protection mode.
- Efficient anti dust washable air filters for clean and healthy air.
- Smart LED display shows control functions and error code in case of a malfunction.
- Louver position memory function to memorize last louver position.
- Auto Restart function enables the unit to start with the previous settings.
- Cold Catalyst Filter eliminates unpleasant odor and gases from air.
- Turbo mode for faster cooling when user enters the room and wants immediate cooling.
- Comfort Sleep feature enables the air conditioner to increase the set temperature automatically at regular intervals providing maximum comfort during sleep.
- Smart Refrigerant leak detection by sensitive sensors mounted on the coil for easy fast service and maintenance.
- Choice of taking drain from left or right.



Standard

Optional features :

- Gold Fin Evaporator can withstand corrosive environment, ensuring longer life span.
- Gold Fin Condenser can withstand the salty air, rain and other corrosive environment, ensuring longer life span.
- Active Nano Silver attached on the filter, has the power to sterilize and deodorize.
- Vitamin C Filter helps to increase elasticity of the skin & makes it more softened. It also provides immunity against cold, stress and restrains cholesterol level.
- Ionizer generates negative ions in the room and makes the air fabulously fresh, clean and relaxing.
- Follow Me function for smart control of comfortable temperature when you stay close to the remote control.

With this technology, an efficient sensitive temperature sensor is built in the remote control. Just as if the air conditioner is following you.

- The indoor unit will alarm when the outdoor unit detects a condition of refrigerant leakage. This new technology can better protect compressor.



Optional

FEATURES Refrigerant leakage detect



TECHNICAL SPECIFICATIONS

QCF Series

Indoor Unit		42QCF012733	42QCF018733	42QCF024733/P/S/R/H*	42QCF030733G	
Outdoor Unit		38QCF012733	38QCF018733	38QCF024733/P/S/R/H*	38QCF030733G	
Type		Cooling & Heating				
Power supply	Ph-V-Hz	220-240V ~ 50Hz, 1Ph				
Voltage range (min-max)	V	198 ~ 264			198 ~ 243	
Climate type		T3				
Cooling	Capacity	kw	3.5	5.3	7.0	8.79
	Input	w	1,207	2,038	2,414	2,710
	EER	w/w	2.9	2.6	2.9	3.24
	Current	A	5.8	9.8	11.7	12.27
Heating	Capacity	kw	3.9	5.5	7.1	9.08
	Input	w	1,258	1,833	2,290	2,340
	COP	w/w	3.1	3.0	3.1	3.88
	Current	A	6.1	8.9	11.1	10.6
Indoor Unit Specifications						
Indoor air flow (Hi/Mi/Lo)	m³/h	600/530/450	780/670/580	1,050/980/800	1,450/1,300/1,050	
Air throw distance	m	6	8	10	12	
Moisture removal rate	l/h	1.0	1.6	2.2	1.85	
Indoor noise level (Hi/Mi/Lo)	dB(A)	41/38/34	44/41/37	47/44/38	50/47/40	
Indoor unit	Dimension(W*D*H)	mm	800x188x275	940x205x275	1,045x235x315	1,259x282x362
	Packing (W*D*H)	mm	865x265x350	1,015x265x350	1,135x395x315	1340x450x380
	Net/Gross weight	kg	8/10	10/13	12.5/17.2	20.1/25.9
Outdoor Unit Specifications						
Outdoor noise level	dB(A)	55	58	61	60.0	
Outdoor unit	Dimension(W*D*H)	mm	780x250x540	845x320x700	845x320x700	946x410x810
	Packing (W*D*H)	mm	910x335x585	965x395x755	965x395x755	1,090x500x875
	Net/Gross weight	kg	31.5/35	42.5/45.5	50/53.2	62.5/68.5
Refrigerant type/ Charge		g	R22/1130g	R22/1280g	R22/1720g	R410A/2200g
	Liquid side/Gas side	mm(inch)	ø6.35/ø12.7(1/4"/1/2")		ø9.52/ø15.9(3/8"/5/8")	
Refrigerant piping	Max. length	m	10	10	20	25
	Max. level difference	m	5	5	10	10
Operation temperature (Cooling / Heating)	°C	18 ~ 52 to -7 ~ 24	18 ~ 52 to -7 ~ 24	18 ~ 52 to -7 ~ 24	18 ~ 54 to -7 ~ 24	

Note: Cooling and / or Heating Capacity are based on following conditions:

- Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)
- Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



Window Room Air Conditioner KWF/AWF Series



Standard Features

- Drip Free Condenser: The slinger fan system throws the condensate water onto the condenser coil which increases the condenser efficiency.
- Fresh Air switch.
- Low Noise Level: Superior design of Fan, high efficient compressor makes unit extremely silent. Slide out chassis design makes installation and maintenance easy.
- Easy Panel Cleaning: front panel may be removed easily for cleaning filters.
- Hydrophilic coating on the evaporator coil avoids icing of condensate water and increases heat transfer resulting in higher efficiency.
- Trapezoid Inner Groove Tubes allows more refrigerant flow improving heat exchange and lowering power consumption.
- Auto Restart function restarts the unit with previous settings.

Optional Features

- Gold Fin Condenser withstand the salty air, rain and other corrosive environment ensuring longer life span of condensing unit.
IAQ Filtration System :
- Vitamin C Filter helps to increase the elasticity of the skin and also provides immunity against cold, stress & restrains cholesterol level.
- BIO Filter * eliminates very small dust particles and neutralities bacteria, fungi and microbe.
- Silver Ion Filter * releases Nano Silver which can kill or deactivate bacteria .
- 3M Filter * can collect the particles down to 0.1um and protect from mildew breeding.

TECHNICAL SPECIFICATIONS

KWF/AWF Series (Rotary Compressor)

Model			51KWF012H	51KWF018H	51KWF021H
Type			Cool only	Cool only	Cool only
Power supply		Ph-V-Hz	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph
Climate type			T3		
Cooling	Capacity	Btu/h	12000	18000	24000
	Input	W	1270	1940	2634
	Current	A	5.8	8.4	12
	EER	W/W	2.77	2.72	2.67
Moisture Removal		L/h	1.2	1.8	2.2
Compressor	Type		ROTARY	ROTARY	ROTARY
Indoor side air flow(Hi/Mi/Lo)		m ³ /h	450/400/360	730/650/550	730/650/560
Indoor side noise level (Hi/Mi/Lo)		dB(A)	51/48/46	56/52/50	55/52/50
Outdoor side noise level (Hi/Mi/Lo)		dB(A)	58/56/53	62	63
Refrigerant type		kg	R22	R22	R22
Operation temp	Indoor(cooling/heating)	°C	17-32/---	17-32/---	17-32/---
	Outdoor(cooling/heating)	°C	18-52/---	18-52/---	18-52/---
Dimension(W*D*H)		mm	600x560x380	660x680x428	660x680x428
Net/Gross weight		Kg	36/39	52/57	55/60

Model			51AWF021H	51AWF024H
Type			Cooling + Heater	Cooling + Heater
Power supply		Ph-V-Hz	1Ph,220-240V, 50Hz	1Ph,220-240V, 50Hz
Climate type			T3	
Cooling	Capacity	Btu/h	24000	24000
	Input	W	2645	2700
	Current	A	12.10	12.40
	EER	W/W	2.66	2.61
Heating	Capacity	Btu/h	11000	11700
	Input	W	3600	3800
	Current	A	15.7	16.5
	COP	W/W	0.89	0.9
Moisture Removal		L/h	2.2	2.2
Compressor	Type		ROTARY	ROTARY
Indoor side air flow(Hi/Mi/Lo)		m ³ /h	805/730/660	900/870/840
Indoor side noise level (Hi/Mi/Lo)		dB(A)	58/56/55	60/58/57
Outdoor side noise level (Hi/Mi/Lo)		dB(A)	63	68
Refrigerant type		kg	R22	R22
Operation temp	Indoor(cooling/heating)	°C	17-35/0-27	17-32/---
	Outdoor(cooling/heating)	°C	18-52/-5-24	18-52/---
Dimension(W*D*H)		mm	660x680x428	660x780x428
Net/Gross weight		Kg	56.5/60.8	61.8/66.5

Note: Cooling and / or Heating Capacity are based on following conditions:

a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)

b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)

LIGHT COMMERCIAL







Inverter Floor Standing QFM Series - R410A (36k fixed speed, 48 & 60k Inverter)



Standard Features

- Inverter technology: Inverter AC is more effective and uses less power than a normal AC. The inverter AC technology uses a variable speed compressor to save energy and power up to 50% more than a normal or non-inverter AC.
- R410A Refrigerant: Environmental friendly refrigerant, R410A is applied.
- 18 steps of fan speed control: Fan speed can be controlled precisely, 1 ~ 18 steps. 5 ~ 18 steps can be applicable for cooling and heating mode and 1 ~ 18 steps can be operated in fan only mode.
- Turbo Operation (Cool, Heat): The system will cool down or heat up your room very quickly to reach at the set temperature.
- Auto Operation: The system senses the room temperature and then selects an ideal operation mode as well as fan speed automatically to provide a pleasant room environment.
- Safety Lock Function: The user can lock the setting to prevent children from accidentally changing the controls.
- Power Saving Dry Operation: It allows for efficient unit operation to maintain the optimal humidity level while saving electricity cost.
- Auto Drying: When the unit turns off, the fan will operate at a low speed instead of immediately stopping so the moisture on the heat exchanger will be removed.
- Auto Diagnosis: By diagnosing the operation status by itself and showing the abnormal operation in the display, user can recognize the abnormal operation and make the right action to solve the issue.

TECHNICAL SPECIFICATIONS

QFM Series - R410A

Indoor unit			42QFM036H	42QFM036VS	42QFM048VT
Outdoor unit			38QFM036H	38QFM036VS	38QFM048VT
Power supply		V,HZ,Ph	220-240V,50Hz,1Ph	220-240V,50Hz,1Ph	380-415V,50Hz,3Ph
Type			T3	T3	T3
Voltage range (min-max)		V	198-264	198-264	342-456
Climate type			T3	T3	T3
Cooling	Capacity	Btu/h	36000	36000 (12500-40000)	48000(25000-50000)
	Input	W	3900	3700 (1290-4770)	5050(2630-5260)
	Current	A	17.8	16.7 (5.8-21)	7.7(4.0-8.0)
	EER	Btu-h/W	9.23	9.73	9.50
Heating	Capacity	Btu/h	38000	45000(13500-46000)	48000(25000-52000)
	Input	W	3930	4500(1330-4580)	4370(2200-4800)
	Current	A	18	19.8(5.8-20.1)	6.8(3.0-7.9)
	COP	Btu-h/W	2.83	10.00	10.98
Compressor	Type		ROTARY	ROTARY	ROTARY
Indoor Unit Specifications					
Indoor air flow (Hi/Med/Lo)		m ³ /h	2058/1710/1530	1900/1380/560	1870/1380/560
Air throw distance		m	11	11	11
Moisture removal rate		l/h	3.2	2.9	4.9
Indoor noise level (Hi/Lo)		dB(A)	56/51/48	54/47/37	54/48/37
Indoor unit	Dimension(W*D*H)	mm	580 x 434 x 1850	580x1850x434	580x1850x434
	Packing (W*D*H)	mm	660 x 520 x 1890	690 x 1890 x 550	690 x 1890 x 550
	Net/Gross weight	Kg	46 / 47.3	46/48	48/50
Outdoor Unit Specifications					
Outdoor noise level		dB(A)	62	62	62
Outdoor unit	Dimension(W*D*H)	mm	900 x 350 x 1170	946x420x810	952x415x1333
	Packing (W*D*H)	mm	1032 x 443 x 1307	1090x500x885	1095x495x1480
	Net/Gross weight	Kg	80.5 / 92.0	64.7/69.3	96.0/108.5
Refrigerant type/ Charge			R410A/2.90kg	R410A/2.80kg	R410A/4.00kg
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52 / 19.05 (3/8"/3/4")	9.52/19.05(3/8"/3/4")	9.52/19.05(3/8"/3/4")
	Max. refrigerant pipe length	m	30	30	50
	Max. difference in level	m	20	20	30
Operating temperature	Outdoor	°C	18~52 / -7-24	18-54 / -7-24	18-54 / -7-24

Note: Cooling and / or Heating Capacity are based on following conditions:

- a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)
 b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)

* Fixed Speed

** Inverter



Fix speed Floor Standing QFP Series

Standard Features

- High airflow volume: Big air volume design can make fast cooling and be suitable for using in big space room.
- Quiet design: Without decreasing the flow volume, the large diameter cross flow fan can greatly reduce the noise level of the indoor unit.
- Dust proof air outlet - When press OFF to turn off the unit, the air outlet louver can be closed automatically to prevent the dust falling in.
- Easy control: Big bright LED display with touch switch makes a easy and clearly control.
- Turbo mode: This function can boost cooling speed in a short period, and makes the room cool down rapidly.
- Fresh Air Provision: Fresh air provision in the unit allows outside air to enter in the room & maintain the oxygen level generating freshness inside the room.
- 3D air flow: The combination of vertical and horizontal auto swing function ensures an even distribution of air throughout the room.
- R410A Refrigerant: Environmental friendly refrigerant, R410A is applied.



Standard

TECHNICAL SPECIFICATIONS

QFP Series - R410A

Indoor unit			42QFP024H
Outdoor unit			38QFP024H
Power supply		V,Hz,Ph	220-240V,1Ph,50Hz
Voltage range (min-max)		V	198-264
Climate type			T3
Cooling	Capacity	Btu/h	24000
	Input	W	2550
	Current	A	12.6
	EER	Btu-h/W	2.76
Heating	Capacity	Btu/h	27000
	Input	W	2370
	Current	A	11.5
	COP	Btu-h/W	3.33
Compressor	Type		ROTARY
Indoor Unit Specifications			
Indoor air flow (Hi/Lo)		m ³ /h	1190/1050/900
Air throw distance		m	10
Moisture removal rate		l/h	2.8
Indoor noise level (Hi/Mi/Lo)		dB(A)	47/43/40
Indoor unit	Dimension(W*D*H)	mm	510x315x1750
	Packing (W*D*H)	mm	635x430x1910
	Net/Gross weight	Kg	37.2/49
Outdoor Unit Specifications			
Outdoor noise level		dB(A)	57
Outdoor unit	Dimension(W*D*H)	mm	845x363x702
	Packing (W*D*H)	mm	965x395x765
	Net/Gross weight	Kg	55/58.5
Refrigerant type/ Charge		g	R410A/1800
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ15.9(3/8"/5/8")
	Max. refrigerant pipe length	m	25
	Max. difference in level	m	15
Operating temperature	Outdoor	°C	18 ~ 54/-7 ~ 24

Note: Cooling and / or Heating Capacity are based on following conditions:

a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)

b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



Inverter Floor Standing QFG Series



Standard Features

- Inverter technology: Inverter AC (48 & 60k) are more effective and uses less power than a normal AC. The inverter AC technology uses a variable speed compressor to save energy and power up to 50% more than a normal or non-inverter AC.
- Long-distance windblast: Equipped with a powerful DC motor and a large-diameter centrifugal blower wheel to achieve an airflow of up to 2300 m³/h. The large air outlet and six large air directing blades enable an airflow distance of up to 12 m.
- 3D Airflow: Combines vertical and horizontal auto-swing to spread comfort more widely throughout the room.
- Hidden VLED Display: The hidden VLED display screen is easy to read yet beautiful.
- Wind Avoid Me: With one tap of button, the airflow direction is automatically adjusted to the maximum angle to prevent direct cold/hot drafts.
- Golden Fin: The unique anticorrosive 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.
- Follow Me: The remote control has a temperature sensor built-in to sense its surrounding temperature. The unit can adjust the room temperature more accurately and makes you feel more comfortable.
- R410A Refrigerant: Environmental friendly refrigerant, R410A is applied.

TECHNICAL SPECIFICATIONS

QFG Series - R410A

Indoor unit			42QFG048V	42QFG060V
Outdoor unit			38QFG048V	38QFG060V
Power supply		V,Hz,Ph	380-415V,50Hz,3Ph	380-415V,50Hz,3Ph
Voltage range (min-max)		V	342-456	342-456
Climate type			T3	T3
Cooling	Capacity	Btu/h	48000(20000-51000)	60000(30000-63000)
	Input	W	4450(1400-5000)	5460(2200-6000)
	Current	A	6.8 (2.5-8.0)	8.4 (3.5-9.5)
	EER	Btu-h/W	3.16	3.22
Heating	Capacity	Btu/h	50000(24000-53000)	62000(35000-65000)
	Input	W	4300(1300-4800)	5000(1900-5600)
	Current	A	6.7 (2.5-7.9)	8.0 (3.2-9.0)
	COP	Btu-h/W	3.41	3.60
Compressor	Type		ROTARY	ROTARY
Indoor Unit Specifications				
Indoor air flow (Hi/Lo)		m ³ /h	2570/2365/2150	2320/2130/1940
Air throw distance		m	12	12
Moisture removal rate		l/h	3.0	5.0
Indoor noise level (Hi/Mi/Lo)		dB(A)	53/51/49	53/51/49
Indoor unit	Dimension(W*D*H)	mm	629x456x1925	629x456x1925
	Packing (W*D*H)	mm	750x575x2055	750x575x2055
	Net/Gross weight	Kg	55.8/75.8	59.2/78.5
Outdoor Unit Specifications				
Outdoor noise level		dB(A)	64	63
Outdoor unit	Dimension(W*D*H)	mm	952x415x1333	952x415x1333
	Packing (W*D*H)	mm	1095x495x1480	1095x495x1480
	Net/Gross weight	Kg	95.2/107.8	99/102
Refrigerant type/ Charge		g	R410A/4000g	R410A/4200g
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
	Max. refrigerant pipe length	m	50	50
	Max. difference in level	m	30	30
Operating temperature	Outdoor	°C	18~54/-7~24	18~54/-7~24

Note: Cooling and / or Heating Capacity are based on following conditions:

- a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)
- b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



Inverter 4-way Cassette QTD Series



Standard Features

- Inverter technology: Inverter AC is more effective and uses less power than a normal AC. The inverter AC technology uses a variable speed compressor to save energy and power up to 50% more than a normal or non-inverter AC.
- R410A Refrigerant: Environmental friendly refrigerant, R410A is applied.
- 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 time.
- Cost saving: The high efficiency compressor and the large condenser coil surface result in a reduction in energy use to provide cost savings.
- Auto restart function: If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.
- Quiet performance: The low noise compressor along with quiet movement of air across the large- condenser fan has made this unit a quiet performer.
- Sleep mode: This air conditioner will automatically increase cooling or decrease heating 1°C per hour- for first two hours, then hold steady for the next 5 hours after which it will switch off. This function maintains both energy saving and comfort in the night.
- Corrosion resistant casing: The unit is built to last, its power coated metal parts and UV resistance, provide a strong protective armor from natural elements.
- Independent dehumidification: This mode which efficiently dehumidifies the room but not the lower temperature so obviously as cooling mode.
- Refrigerant leakage mode: The indoor unit will show error code "EC" or flash LEDs and stop automatically when refrigerant leakage is detected. This function can protect the compressor from being damaged from high temperature due to refrigerant leakage.

TECHNICAL SPECIFICATIONS

QTD Series

Indoor unit			42QTD024V	42QTD036V	42QTD048V
Outdoor unit			38QTD024V	38QTD036V	38QTD048V
Power supply	Ph-V-Hz		220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Type			T3		
Cooling	Capacity	Btu/h	24000 (6600-29000)	36000 (8100-43400)	53000 (19000-55000)
	Input	W	1900(660-2500)	2800(750-3700)	4490 (1500-5800)
	Rated current	A	8.4(3.0-11.0)	12.4(3.3-16.4)	19.8(6.6-25.5)
	EER	Btu/h/W	12.63	12.86	11.80
Heating	Capacity	Btu/h	27000(7500-31000)	38000(9000-42000)	56300 (18700-59700)
	Input	W	2170(600-2600)	2650(700-3600)	4580 (2000-5200)
	Rated current	A	9.6(2.8-11.5)	11.9(3.2-16.2)	20.2(8.8-23.0)
	COP	W/W	3.65	4.20	3.60
Max. input consumption	W		3200	4300	6100
Max. current	A		14.1	19.8	28
Compressor	Type		ROTARY	ROTARY	ROTARY
Indoor Unit Specifications					
Indoor air flow (Hi/Mi/Lo)	m ³ /h		1400/1250/1100	1950/1750/1550	2300/2100/1900
Indoor noise level (Hi/Mi/Lo)	dB(A)		50/47.4/45.1	52.1/49.6/47.3	56.5/54.5/52.5
Indoor unit	Dimension(W*D*H)	mm	840x840x245	910x910x287	910x910x287
	Packing (W*D*H)	mm	900x900x265	1015x1015x322	1015x1015x322
	Net/Gross weight	Kg	24.6/29.7	34.4/41.3	34.7/41.2
Outdoor Unit Specifications					
Outdoor noise level	dB(A)		61.3	63.9	63.5
Outdoor unit	Dimension(W*D*H)	mm	946x410x810	946x410x810	952x415x1333
	Packing (W*D*H)	mm	1090x500x885	1090x500x885	1095x495x1480
	Net/Gross weight	Kg	56.3/60.9	64.9/69.6	97.2/110.2
Refrigerant type	Kg		R410A/2.120	R410A/3.2	R410A/4.3
Refrigerant piping	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/19mm(3/4in)	9.52mm(3/8in)/19mm(3/4in)
	Max. refrigerant pipe length	m	25	30	50
	Max. difference in level	m	15	20	30
Thermostat type			Remote Control	Remote Control	Remote Control
Operation temperature	°C		17 ~ 30	17 ~ 30	17 ~ 30
Room temperature	Indoor(cooling/ heating)	°C	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30	17 ~ 32/0 ~ 30
	Outdoor(cooling/heating)	°C	0 ~ 54/-15 ~ 24	0 ~ 54/-15 ~ 24	0 ~ 54/-15 ~ 24

Note: Cooling and / or Heating Capacity are based on following conditions:

a) Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)

b) Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



Inverter ducted unit QSM Series



18K - 24K – 36K



48K– 60K

Standard Features

- **Twin-rotary Inverter Compressor: High Efficiency**
Rotating with two rollers at the same time makes accurate compressor rotation with less energy loss.
- **Great performance in part load** which leads to a lower seasonal power consumption.
- **High reliability and lower noise** deliver stable performance with less vibration.
- **More Powerful and Reliable:** The advanced compressor and inverter control is designed to deliver comfortable, cooling air, even with outside temperatures as high as 60°C.
- **Modern Slim Design:** Compact invisible indoor unit with ultra slim profile and low height, is suitable for low false ceiling applications.
- **Multi Air Outlets:** The air duct can have multi air outlets, creating average cooling for various shapes of room.
- **Easy and Flexible Installation:** After installation, it is possible the actual duct resistance is lower than expected at the time of designing. As a consequence, the air flow will be too high. With the- automatic air flow adjustment function the unit can adapt its fan speed to a lower curve, so the air flow decreases. Instead to increase air flow if there is more resistance.
- **High external static pressure design:** suitable for Long Duct Connection.
- **Easy Clean Filter:** The filter can be pulled out from left, right, or from the bottom for easy cleaning.
- **Easy Maintenance:** Easy accessibility motors and fans on indoor unit for easy service and maintenance.
- **Easy Control:** Remote system alarm function which required for some applications such as computer rooms for fast and easy service and maintenance.
- **Remote ON / OFF function** provides more easy ON / OFF central control of ducted split system.

TECHNICAL SPECIFICATIONS

QSM Series

Model			42QSM018V	42QSM024V	42QSM036V	42QSM048V	42QSM060V
Type			Heat pump				
Cooling	Capacity	Btu/h	18000	24000	34000	44600	53500
	Input	W	1480	1950	2850	3748	4470
	EER	Btu/W*h	12.16	12.31	11.93	11.90	11.97
	Current	A	7.1	9.0	12.5	7.5	8.6
Heating	Capacity	W	5862	8206	9965	15240	16295
	Capacity	Btu/h	20000	28000	34000	52000	55600
	Input	W	1480	2180	2550	3925	4200
	COP	w/w	3.96	3.76	3.91	3.91	3.88
	Current	A	7.1	10.2	11.2	7.5	8.0
Power Supply		V,Hz,Ph	220~240V - 50/60Hz,1Ph			380~415V - 50/60Hz,3Ph	
Type			T3				
Indoor air flow (Hi/Med/Lo)		m ³ /h	1000/900/720	1400/1250/1000	2200/1850/1550	3000/2400/1950	3100/2950/2500
Indoor noise level (Hi/Med/Lo)		dB(A)	46/43/39	49/46/42	49/46/43	50/47/45	52/49/46
Indoor unit	Dimension (WxDxH)	mm	880x674x210	1100x774x249	1200x874x300	1200x625x380	1400x858x440
	Net/Gross weight	kg	25.2/30.9	30.2/37.4	42.8/51.0	55.9/63.7	72.7/84.3

Model			38QSM018V	38QSM024V	38QSM036V	38QSM048V	38QSM060V
Type			Heat pump				
Power supply		V-ph-Hz	220 - 240V - 50/60Hz,1Ph	220 - 240V - 50/60Hz,1Ph	220 - 240V - 50/60Hz,1Ph	380 - 415V - 50/60Hz, 3Ph	380 - 415V - 50/60Hz, 3Ph
Type			T3				
Compressor Type			DC Inverter Rotary				
Refrigerant type/Quantity	Type		R410A				
	Charged volume	kg	1.75	2.12	3.20	4.20	4.40
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ6.35/φ12.7(1/4"/1/2")	φ9.52/φ15.9(3/8"/5/8")	φ9.52/φ19(3/8"/3/4")	φ9.52/φ19(3/8"/3/4")	φ9.52/φ22(3/8"/7/8")
	Max. pipe length	m	30.00	50.00	65.00	65.00	65.00
	Max. difference in level	m	20.00	25.00	30.00	30.00	30.00
Outdoor unit	Dimension(WxDxH)	mm	845x363x702	946x420x810	946x420x810	952x415x1333	952x415x1333
	Net/Gross weight	kg	41.2/44.7	55.3/61.7	66.5/71.9	94.0/107.2	97.0/110.2

Note: Cooling and / or Heating Capacity are based on following conditions:

- Cooling: Indoor Air Temperature 27°C (DB) / 19°C (WB) and Outdoor Air Temperature 35°C (DB) / 24°C (WB)
- Heating: Indoor Air Temperature 20°C (DB) / 15°C (WB) and Outdoor Air Temperature 7°C (DB) / 6°C (WB)



50 TC Package Unit From 6 Ton up to 27.5 Ton



R410A

Carrier NAO (U.S.A)



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program For verification of certification for individual products, go to www.ahridirectory.org.



- Capacity 6 - 27.5 TR (50 Hz)
- Cooling only model (11 sizes)
- Operating range 4° C to 52° C
- Horizontal / Vertical supply & return ducts

Listed certification vary for each model *



Package Unit From 3 Ton up to 28 Ton

50Hz / 60Hz

50 EES / 2P (R22)

- Capacity 3-5.5 TR (50 Hz)
- Cooling only model (6 sizes)
- Operating range 5°C to 46°C / 52°C
- Horizontal supply & return ducts



50 LJS / TJS (R22)

- Capacity 6-12 TR (50 Hz)
- Cooling only model (6 sizes)
- Operating range 4°C to 50°C
- Horizontal supply & return ducts



50 TCM / 50 TJM (R410A)

- Capacity 6-28 TR (50 / 60 Hz)
- Cooling only model (9 sizes)
- Operating range 5°C to 52°C
- Horizontal supply & return ducts



Carrier SAMCO (K.S.A)



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SAMCO



0410019950420

Listed certification vary for each model *



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