

CARRIER

WEATHERMAKERS TO THE WORLD

RESIDENTIAL & LIGHT COMMERCIAL PRODUCTS
2017 - 2018



 United Technologies
turn to the experts 

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WEATHERMAKERS TO THE WORLD

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

The invention that changed the world.

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air-conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.

Today, Carrier innovations are found across the globe and in virtually every facet of daily life. Carrier creates comfortable and productive environments, regardless of the climate, safeguards the global food supply by preserving the quality and freshness of food and beverages, ensures health and well-being by enabling the proper transport and delivery of vital medical supplies under exacting conditions and provides solutions, services and education to lead the green building movement.

These mark just a handful of the ways that Carrier works to make the world a better place to live, work and play.



AHI CARRIER SOUTH EASTERN EUROPE AIR-CONDITIONING SA

A FEW WORDS ABOUT OUR COMPANY

Dating back to 1952, Carrier was the first air-conditioning company in Greece.

In 1996, Carrier Hellas Air-Conditioning S.A. was established as a subsidiary of UTC Carrier Corporation with distribution and after sales services rights for Carrier, Toshiba & Totaline air-conditioning brands in Greece.

MILESTONES

1999

Toshiba Carrier Corporation was established as a joint-venture between Toshiba Corporation air conditioner division and Carrier Corporation. With the advent of Toshiba Carrier Corporation, two great enterprises joined forces to deliver a wide range of air conditioning solutions with the leading technology.

2004

Carrier expands its distribution rights to the Balkan area with subsidiary in Bulgaria.

2008

The expansion continues with a subsidiary office in Romania.

2009

The company is renamed to Carrier South Eastern Europe Air - Conditioning S.A. signifying the distribution rights in Greece, Cyprus and the Balkan region.

2011

Carrier enters into an agreement to transfer its HVAC distribution and after - sales support operations in Greece, Cyprus & the Balkans to its existing AHI Carrier FZC joint venture. The company is renamed to AHI Carrier South Eastern Europe Air-Conditioning S.A and continues to provide customers with high quality Carrier and Toshiba HVAC solutions, supported by dedicated after-sales service technicians and the Totaline parts and supply network.

2013

AHI Carrier SEE assumes the responsibility of the distribution rights for the Carrier RLC products in Central Europe.

2016

AHI Carrier SEE assumes also the responsibility of the distribution rights for all Carrier products (RLC & BSS) in Central Europe and the offices in Austria & Czech Republic are reporting to AHI SEE. AHI European total area management is unified under Greek office.

BUSINESS TERRITORY



MEETING CUSTOMER NEEDS

Carrier is the world leader in high-technology heating, air-conditioning and refrigeration solutions. We have a history of more than 100 years of proven innovation. We solve problems on a global level, and our innovations drive new industries. 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.

1. HOME COMFORT

Carrier heating and air-conditioning systems are trusted to bring energy-efficient, quiet, consistent comfort to millions of people at home.

2. BUILDING SOLUTIONS

Carrier provides sustainable solutions in heating, air-conditioning, building automation and energy services for the building life-cycle.

3. TRANSPORT REFRIGERATION

Carrier transport refrigeration equipment, cold chain monitoring solutions and replacement components ensure the safe, reliable transport of food and beverages, medical supplies and other perishable cargo to people and businesses around the world.

4. COMMERCIAL REFRIGERATION

Serving the beverage, food service and food retail industries, Carrier's refrigeration solutions are built on next-generation technologies to preserve freshness, ensure safety and enhance appearances of global food and beverage retail.

NATURAL LEADERSHIP

From the very beginning, Carrier has been a natural leader. Not simply for the fact that Carrier creates an entirely new and innovative products, but because Carrier sets the standard in environmental responsibility. Since 1994, Carrier has led the industry in the phase-out of ozone-depleting refrigerants while introducing many of the world's most energy-efficient heating, air-conditioning and refrigeration systems.

Preservation of the environment and protecting our world's finite natural resources is a central tenet of Carrier's business as it recognizes the vital importance of maintaining a responsible balance between the comfort we create today and the world we live in tomorrow.

THIS CATALOGUE IS DEDICATED TO RESIDENTIAL & LIGHT COMMERCIAL PRODUCTS OFFERED BY CARRIER

The objective of the European ECO Design Directive is the integration of environmental aspects into product design with the aim of improving the environmental performance of the product throughout its whole life cycle. Air-conditioners have been identified as Energy Related Products (ERPs) because they have an impact on energy consumption during use. Therefore a set of rules for energy efficiency measurements and specifications have been defined which will be integrated in the new energy efficiency label.

Carrier applies the calculation methods of the ecodesign directive and all its products will be in line with Lot10 and Lot11 requirements.

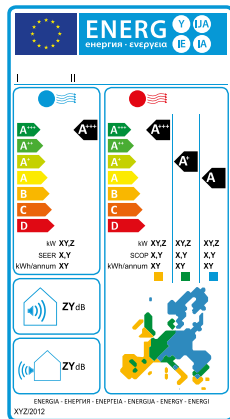
Under this labeling the energy efficiency of air-conditioning systems will be calculated based on seasonal performance.



ENERGY LABELING FOR AIR-CONDITIONERS

For calculating Heating seasonal performance the EU is divided into three climate zones, this ensures the energy efficiency calculation applies the actual regional ambient temperatures.

- Warmer – annual temperature of Athens
- Average – annual temperature of Strasbourg
- Colder – annual temperature of Helsinki



ENERGY EFFICIENCY CLASS	SEER	SCOP
A+++	SEER ≥ 8,50	SCOP ≥ 5,10
A++	6,10 ≤ SEER < 8,50	4,60 ≤ SCOP < 5,10
A+	5,60 ≤ SEER < 6,10	4,00 ≤ SCOP < 4,60
A	5,10 ≤ SEER < 5,60	3,40 ≤ SCOP < 4,00
B	4,60 ≤ SEER < 5,10	3,10 ≤ SCOP < 3,40
C	4,10 ≤ SEER < 4,60	2,80 ≤ SCOP < 3,10
D	3,60 ≤ SEER < 4,10	2,50 ≤ SCOP < 2,80

WARMER (ATHENS)				AVERAGE (STRASBOURG)				COLDER (HELSINKI)			
Temperatures Conditions				Temperatures Conditions				Temperatures Conditions			
Partial Load	Outdoors		Indoors	Partial Load	Outdoors		Indoors	Partial Load	Outdoors		Indoors
	DB	WB	DB		DB	WB	DB		DB	WB	DB
-	-	-	20°C	88%	-7°C	-8°C	20°C	61%	-7°C	-8°C	20°C
100%	2°C	1°C	20°C	54%	2°C	1°C	20°C	37%	2°C	1°C	20°C
64%	7°C	6°C	20°C	35%	7°C	6°C	20°C	24%	7°C	6°C	20°C
29%	12°C	11°C	20°C	15%	12°C	11°C	20°C	11%	12°C	11°C	20°C

Climate zones for calculating Cooling (SEER), only ONE climate zone for calculating Cooling efficiencies. The climate data for Strasbourg is the single reference point for the whole of Europe.

SEER			
Temperatures Conditions			
Partial Load	Outdoors		Indoors
	DB	DB	WB
21%	20°C	27°C	19°C
47%	25°C	27°C	19°C
74%	30°C	27°C	19°C
100%	35°C	27°C	19°C



INNOVATIVE CHARACTERISTICS

Carrier's products conform to the highest quality standards and maximize comfort through the control which is granted by their operating characteristics.





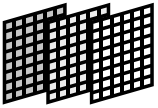
EUROVENT CERTIFICATION

Eurovent Certification certifies the performance ratings of air-conditioning and refrigeration products according to European and international standards. The objective is to build up customer confidence by levelling the competitive playing field for all manufacturers and by increasing the integrity and accuracy of the industrial performance ratings.



IONIZER

Release negative ions, eliminate odor, dust, smoke and pollen particles to give you fresh and healthy air.



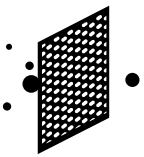
TRIPLE ACTION FILTER : PRE FILTER, HEPA & COLD CATALYST

Improve indoor air quality, without reducing the capacity of the flow. They absorb and neutralize tobacco, various organic chemical substances, food odors.



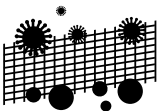
HIGH DENSITY FILTER

Compared with ordinary dust filter, the anti-dust effect of this high density filter can increase more than 50% it can clean dust pollen up to 80%.



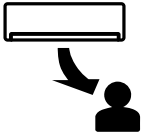
COLD CATALYST FILTER

Eliminate formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors.



HEPA FILTER

Stands for High Efficiency Particulate Air.



FOLLOW ME

Temperature sensor built in the remote controller will sense its surrounding temperature. The unit can adjust room temperature more accurately to give you comfort.



SLEEP MODE

The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first 2 hours, then holds stand by for the next 5 hours, after that it will switch off.

TURBO

TURBO MODE

Turbo function will be helpful to cool or heat your room quickly and effectively by operating at the maximum fan speed for 30 minutes.



SILENT

Indoor fan will run at super quiet mode and indoor noise level can be extremely low when the unit enters silent mode operation.



LOW AMBIENT

With build in low ambient kit and special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to -15°C.



SELF CLEANING

Indoor unit will continue running at dry mode and dry indoor evaporator after the unit switched off so as to keep clean and healthy.



WI-FI READY & SMART CONTROL

Via internet.



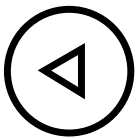
SELF DIAGNOSIS AND AUTO PROTECTION

Once abnormal operation or parts failure happen, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast service.



8°C HEATING

In heating operation the current temperature of the air conditioner can be as low as 8°C, which keeps the room temperature steady at 8°C and prevents the house from freezing when it is unoccupied for a long time in severe cold weather.



AUTOMATIC RESTART

The unit restarts automatically after a power failure, keeping all previous settings.



AUTO SWING

Combined with the ability of choosing the exact air flow direction using the remote control, as the unit is equipped with motorized blinds.



AUTO DEFROSTING

Prevent evaporator from freezing and maintain dehumidifying effect under low temperature ambient.



MEMORIZE

The unit memorizes the last desired position of the swings for the next startup.



0,5W STANDBY

Intelligent on-off technology enables products automatically enter in energy saving mode when standby.



ELECTRICAL VOLTAGE PROTECTION

The unit is designed to operate when the voltage is less than or greater of 230V. Specifically, the air conditioner can be operated at a voltage of 168 to 264V, thus providing protection against fluctuations in the electricity voltage in these limits.



REMOTE CONTROL BRIGHT SCREEN

The remote control has a backlight LCD display for easy reading.



REMOTE CONTROL LOCKING

With the ability to lock the remote control, the user ensures that the desired settings remains, even if it comes in hands of a child or another adult.



OVERFLOW PROTECTION

When the condensate tank is full, the units will be immediately disable.



360° AIR FLOW PANEL

360° air outlet creates a soft and gentle air flow which circulated throughout the whole space and provides an even better temperature distribution in the room.



12 GRADES INDOOR FAN SPEED

Up to 12 grades indoor fan speeds, ensure more accurate control and bring more comfortable air flow.



5 GRADES OUTDOOR FAN SPEED

Due to the DC fan motor, outdoor fan speeds increased from 2 grades to 5 grades, more comfortable and energy saving.



DRYER MODE

A smart and cost-effective way to dry your laundry.



OPERATION PROGRAM

The operating program enables the user to set out the unit in specific desired hours and temperature.



ECO

New energy saving AC apply innovative ECO Mode, by pressing this button, AC will run into an 8 hour saving mode which cuts 60% energy off against normal mode.





GET COMFORTABLE WITH CARRIER HOME COMFORT SYSTEMS

HOME COMFORT SOLUTIONS

Carrier helps millions of people take control of home comfort with innovative solutions.

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.

ENERGY-EFFICIENT HOME HEATING AND AIR CONDITIONING

Carrier heating and cooling products are among the world's most energy efficient and reliable products.

EXPERT INSTALLATION & AFTER SALES SUPPORT

Proper installation is critical for keeping you comfortable. Our independent partners work with you before installation to custom design a solution that will meet the unique needs of your home, and beyond installation, you can count on Carrier experts for the after sales support.

INDOOR AIR QUALITY

Clean air is a key component of a healthy home. That's why Carrier, as part of your home heating and cooling solution, offers a wide range of air quality solutions that they can help reduce or even eliminate many allergens and harmful air pollutants.

HOME HEATING AND COOLING EXPERTISE

SINGLE SPLIT SYSTEMS



DEHUMIDIFIER T3/DG

More comfort
without humidity



CHARACTERISTICS

Cost-effective, energy-efficient and user-friendly.

Electronic control.

Dryer mode (for DG series): A smart and cost-effective way to dry your laundry.

Automatic switch off when the tank is full.

Auto restart with the previous operations settings in case of power failure.

Smart dehumidifying mode (for DG series).

For easy carrying both have ergonomical big handles and DG series has wheels.

LCD display (for DG series).

Ionizer (for models CDG-205E/255E/305E).



TECHNICAL SPECIFICATIONS

MODEL		CDT-105E3	CDT-165E3	CDG-205E	CDG-255E	CDG-305E
Moisture removal	L/day	10	16	20	25	30
Power input	kW	0,22	0,41	0,263	0,324	0,605
Energy factor (EEV)	L/kWh	1,89	1,63	3,17	3,22	2,07
Application area	m ²	80	120	150	190	230
Starting current	A	6,48	10,5	5,5	5,5	9,5
Control type		Electronic control				
Refrigerant type		R134A	R134A	R134A	R134A	R410A
Design pressure	MPa	1,7/0,7	1,7/0,7	1,7/0,7	1,7/0,7	4,2/1,5
Water tank volume	L	1,4	3,5	4,7	4,7	4,7
Air flow	m ³ /h	120	130	210	220	220
Sound pressure level	dB(A)	43	45	47/43	50/45	50/45
Rh range manual	%	35 - 80	35 - 80	35 - 85	35 - 85	35 - 85
Ambient temp	°C	5 - 35	5 - 35	5 - 35	5 - 35	5 - 35
Dimension (WxDxH)	mm	335x280x435	386x320x495	400x254x562	400x254x562	400x254x562
Net weight	Kg	10,5	13,5	15,0	15,5	15,5
Power supply	V-Ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50	220/240-1-50

MODEL*			CDG-105EA	CDG-165EA	CDG-205EA
Performance	Moisture removal	L/day	10	16	20
	Rated input	W	260	375	400
	Rated current	A	1.2	1.75	1.85
	EEV	L/kWh	1.60	1.78	2.08
Starting current		A	4.5	4.8	4.8
Control type			Electronic control		
Refrigerant type			R134a	R134a	R134a
Design pressure	MPa		1.7/0.7	1.7/0.7	1.7/0.7
Water tank volume	L		3	3	3
Air flow (Hi/Lo)	m ³ /h		200	200	200
Noise level (Hi/Lo)	dB(A)		47/43	47/43	47
RH range manual			35%-85%	35%-85%	35%-85%
Ambient temp	°C		5~35	5~35	5~35
Application area	m ²		80	120	15
Dimension (W*D*H)	mm		350x238x510	350x238x510	350x238x510
Packing (W*D*H)	mm		390x280x530	390x280x530	390x280x530
Net/Gross weight	kg		10.5/11.5	12/13	12/13
Power supply			220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph	220-240V,50Hz, 1Ph

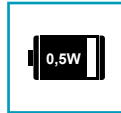
*Available from September

Note:
WxDxH = Width x Depth x Height



PORTABLE PC

An alternative air-conditioning solution for houses and small offices



CHARACTERISTICS

A single solution for cooling and heating.

Suitable for room sizes of approximate 13-29 m².

Slim and fashionable design.

Comfortable control by remote control with follow me function.

Ideal air distribution by adjustable air outlet grid.

Castors and side-carry handles makes it easy to move.

Automatically recycle condensate within the unit, by increasing the cooling efficiency.

Intelligent on-off technology enables the unit to automatically enter in energy-saving mode when on standby mode.

No need for drain hose (cooling operation).



TECHNICAL SPECIFICATIONS

MODEL			PC-09HPPD	PC-12HPPD
Rated cooling	Capacity	KW	2,6	3,3
	Input	KW	1,01	1,35
	Current	A	4,4	5,9
	EER	W/W	2,7	2,6
	Energy efficiency class		A	A
Rated heating	Capacity	KW	2,5	3,0
	Input	W	800	1130
	Current	A	3,6	5,0
	COP	W/W	3,0	2,8
	Energy efficiency class		A+	A+
Moisture Removal		L/h	1,0	1,3
Rated input consumption		W	1200	1600
Rated current		A	6,1	8
Starting current		A	17	25
Sound power level (Hi)		dB(A)	63	64
Power consumption in standby mode			0,5	0,5
Refrigerant	Type		R410A	R410A
	GWP		2088	2088
	Charged quantity	kg	0.45	0,42
Control type			Remote control	
Operation temp (room temp.), Cooling/Heating	°C		17-35/5-30	17-35/5-30
Application area		m ²	12-18	16-23
Dimension (W*D*H)		mm	466x397x765	466x397x765
Net/Gross weight		Kg	30.5/34.5	34/38.8
Power supply		Ph-V-Hz	1PH,220-240V~,50Hz	1Ph, 220-240V~, 50Hz

Note:
H/M/L = High/Medium/Low speed
WxDxH = Width x Depth x Height



INVERTER HI-WALL 42QHM-ES

High performance
with maximum savings



CHARACTERISTICS

High energy efficient inverter technology for energy saving and comfort.

Low ambient operation -20°C up to 46°C. (Nordic version)

High heating capacity and air outlet temperature in very low temperatures.

Follow me function in order the indoor unit to sense the required temperature from where the remote control is.

Auto restart function.

Turbo mode in order to reach the desired temperature quickly.

Wi-Fi ready for easy remote control of the unit via internet.

Ionizer, provides pure air and create a fresh and healthy environment.

Cold catalyst filter, eliminates formaldehyde and other volatile organic compounds.

HEPA filter, stands for High Efficiency Particulate Air.

Electronic Expansion Valve (EEV) ensure high performance in both cooling and heating operation.

“Pre-Heat” Smart Function.



TECHNICAL SPECIFICATIONS

OUTDOOR UNIT		38QHM009ES	38QHM012ES	38QHM018ES	38QHM024ES
Cooling capacity	kW	2.64 (1.0-3.5)	3.52 (1.0-4.6)	5.30 (1.2-6.5)	7.04 (1.5-7.6)
Heating capacity	kW	3.90 (0.9-5.4)	3.90 (0.9-5.4)	5.40 (1.2-7.0)	7.60 (1.5-8.8)
Heating capacity at -7°C	kW	3,8	3,8	4,5	6,1
Heating capacity at -10°C	kW	3,5	3,5	4,2	5,2
Heating capacity at -15°C	kW	3,2	3,2	4,0	4,8
Temp range cooling	°C	-20~46	-20~46	-20~46	-20~46
Temp range heating	°C	-20~24	-20~24	-20~24	-20~24
SEER/SCOP (warmer)/SCOP (average)/SCOP (colder)	W/W	9.2 / 6.2 / 4.6 / 3.8	8.5 / 6.0 / 4.6 / 3.8	7.8 / 5.4 / 4.4 / 3.7	7.1 / 5.2 / 4.4 / 3.5
Energy label		A+++ / A+++ / A++ / A	A+++ / A+++ / A++ / A	A++ / A+++ / A+ / A	A++ / A+++ / A+ / A
Yearly energy consumption	kWh	101 / 678 / 731 / 1437	145 / 724 / 731 / 1437	238 / 1478 / 1464 / 2020	347 / 1966 / 1750 / 2751
EER/COP	W/W	4.80 / 4.11	4.14 / 4.11	3.71 / 4.09	3.63 / 3.73
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz
Standard current (cooling)	A	2,5	3,8	6,4	8,8
Standard input (cooling)	W	550	850	1430	1940
Standard current (heating)	A	4,2	4,2	6,0	9,6
Standard input (heating)	W	950	950	1320	2040
Refrigerant amount	kg	1,50	1,50	2,10	2,60
Liquid side/Gas side	inn	1/4" - 3/8"	1/4" - 3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min piping length	m	3	3	3	3
Max piping length	m	25	25	30	40
Max difference	m	10	10	20	20
Additional charge	g/m	15	15	15	30

INDOOR UNIT		42QHM009ES	42QHM012ES	42QHM018ES	42QHM024ES
Sound power level	dB(A)	60	60	60	65
Sound pressure level (high/med/low/silence)	dB(A)	41/38/31/21	42/39/32/22	48/43/40/28	49/47/42/30
Air flow (high/med/low/silence)	m³/h	830/610/520/340	870/650/550/370	980/850/720/400	1250/1120/850/500
Weight (net/gross)	kg	12.5 / 16.5	12.5 / 16.5	18.0 / 24.0	18.0 / 24.0
Dimensions (WxDxH)	mm	990x218x315	990x218x315	1186x258x343	1186x258x343

OUTDOOR UNIT		38QHM009ES	38QHM012ES	38QHM018ES	38QHM024ES
Sound power level	dB(A)	64	64	65	70
Sound pressure level	dB(A)	54	57	59	60
Air flow	m³/h	2000	2100	2700	3500
Weight (net/gross)	kg	40.0 / 42.5	40.0 / 42.5	44.0 / 47.0	63.5 / 69.5
Dimensions (WxDxH)	mm	800x333x554	800x333x554	845x363x702	946x420x810

Note

* Sound data @ cooling mode

* -7°C/-10°C/-15°C heating @ free frequency



INVERTER HI-WALL 42QHC-ES

An Inverter model specifically designed for residential users



CHARACTERISTICS

ECO mode, for silent operation with energy saving, up to 60% power consumption saving during the night.

Turbo mode, up to 15% more air flow than high speed.

Follow me function in order the indoor unit to sense the required temperature from where the remote control is.

Dual rotary compressor.

Wi-Fi ready for easy remote control of the unit via internet.

Ionizer, provides pure air and create a fresh and healthy environment.

Cold catalyst filter, eliminates formaldehyde and other volatile organic compounds.

HEPA filter, stands for High Efficiency Particulate Air.

Electronic Expansion Valve (EEV) ensure high performance in both cooling and heating operation.

Self Diagnosis function.

Integrated evaporator.



TECHNICAL SPECIFICATIONS

OUTDOOR UNIT		38QHC009ES	38QHC012ES	38QHC018ES	38QHC024ES
Cooling capacity	kW	2.70 (0.5-3.5)	3.52 (0.5-4.0)	5.28 (0.8-6.0)	6.40 (1.4-6.7)
Heating capacity	kW	2.90 (0.6-4.0)	3.90 (0.6-4.5)	5.50 (1.0-6.3)	7.00 (1.5-7.3)
Heating capacity at -7°C	kW	2,7	3,2	4,1	4,5
Heating capacity at -10°C	kW	2,5	3,1	3,9	4,4
Heating capacity at -15°C	kW	2,2	2,7	3,7	4,2
Temp range cooling	°C	-15~46	-15~46	-15~46	-15~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24
SEER/SCOP (warmer)/SCOP (average)	W/W	7.4 / 5.4 / 4.0	7.0 / 5.2 / 4.0	7.1 / 5.2 / 4.0	7.1 / 4.8 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A++ / A+
Yearly energy consumption	kWh	128 / 700 / 840	176 / 942 / 1015	260 / 1508 / 1505	315 / 1954 / 1820
EER/COP	W/W	3.38 / 3.73	3.12 / 3.51	3.25 / 3.20	3.11 / 3.30
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz
Standard current (cooling)	A	3,7	5,0	7,3	9,3
Standard input (cooling)	W	800	1130	1625	2060
Standard current (heating)	A	3,5	4,9	7,6	9,7
Standard input (heating)	W	780	1110	1720	2120
Refrigerant amount	kg	0,72	0,75	1,70	2,00
Liquid side/Gas side	inn	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min piping length	m	3	3	3	3
Max piping length	m	25	25	30	40
Max difference	m	10	10	20	20
Additional charge	g/m	15	15	15	30

INDOOR UNIT		42QHC009ES	42QHC012ES	42QHC018ES	42QHC024ES
Sound power level	dB(A)	53	54	57	63
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/silence)	m³/h	460/380/280/190	500/390/300/200	760/550/460/260	1150/890/770/420
Weight (net/gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730x192x291	812x192x300	973x218x319	1082x225x338

OUTDOOR UNIT		38QHC009ES	38QHC012ES	38QHC018ES	38QHC024ES
Sound power level	dB(A)	63	64	65	69
Sound pressure level	dB(A)	54	55	55	58
Air flow	m³/h	1900	2100	2100	2700
Weight (net/gross)	kg	26.5 / 28.5	28.5 / 31.0	38.0 / 40.5	44.0 / 47.5
Dimensions (WxDxH)	mm	770x300x555	800x333x554	800x333x554	845x363x702

Note

* Sound data @ cooling mode

*-7°C/-10°C/-15°C heating @ free frequency



INVERTER HI-WALL 42QHC-DSF

Superior quality of
indoor air



CHARACTERISTICS

Wi-Fi ready for easy remote control of the unit via internet.

Turbo mode, up to 15% more air flow than high speed.

Self cleaning auto function.

Follow me function in order the indoor unit to sense the required temperature from where the remote control is.

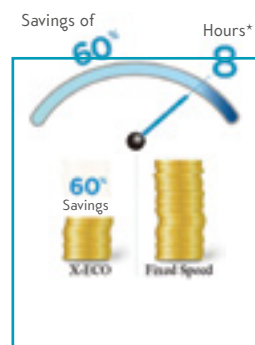
Ionizer, provides pure air and create a fresh and healthy environment.

Wide operation range -15°C up to 46°C.

ECO mode, for silent operation with energy saving, up to 60% power consumption saving during the night.

“Defrost” smart function.

Pre Filter, HEPA & COLD CATALYST.



TECHNICAL SPECIFICATIONS

OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Cooling capacity	kW	2.70 (0.5-3.5)	3.52 (0.5-3.8)	5.28 (0.8-5.8)	6.40 (1.4-6.6)
Heating capacity	kW	2.90 (0.6-3.8)	3.80 (0.6-4.2)	5.50 (1.0-6.0)	7.00 (1.5-7.1)
Heating capacity at -7°C	kW	2,6	2,9	3,9	4,3
Heating capacity at -10°C	kW	2,3	2,8	3,7	4,2
Heating capacity at -15°C	kW	2,1	2,5	3,5	4,1
Temp range cooling	°C	-15~46	-15~46	-15~46	-15~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24
SEER/SCOP (warmer)/SCOP (average)	W/W	7.2 / 5.2 / 4.0	6.7 / 5.1 / 4.0	7.0 / 5.1 / 4.0	6.8 / 4.8 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A++ / A+
Yearly energy consumption	kWh	131 / 727 / 840	184 / 933 / 1015	264 / 1537 / 1505	329 / 1867 / 1820
EER/COP	W/W	3.29 / 3.73	2.82 / 3.39	3.25 / 3.20	3.11 / 3.30
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz
Standard current (cooling)	A	3,7	5,4	7,3	9,3
Standard input (cooling)	W	820	1250	1625	2060
Standard current (heating)	A	3,5	4,9	7,6	9,7
Standard input (heating)	W	780	1120	1720	2120
Refrigerant amount	kg	0,67	0,68	1,65	2,00
Liquid side/Gas side	inn	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min piping length	m	3	3	3	3
Max piping length	m	25	25	30	40
Max difference	m	10	10	20	20
Additional charge	g/m	15	15	15	30

INDOOR UNIT		42QHC009DSF	42QHC012DSF	42QHC018DSF	42QHC024DSF
Sound power level	dB(A)	53	54	57	63
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/silence)	m³/h	460/380/280/190	500/390/300/200	760/550/460/260	1150/890/770/420
Weight (net/gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730x192x291	812x192x300	973x218x319	1082x225x338

OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Sound power level	dB(A)	64	64	65	69
Sound pressure level	dB(A)	54	54	55	58
Air flow	m³/h	1700	1900	2100	2700
Weight (net/gross)	kg	23.0 / 25.0	26.5 / 28.5	38.0 / 40.5	44.0 / 47.5
Dimensions (WxDxH)	mm	700x275x550	770x300x555	800x333x554	845x363x702

Note

* Sound data @ cooling mode

*-7°C/-10°C/-15°C heating @ free frequency



INVERTER HI-WALL 42QHC-DSC

The best solution for coastal
and industrial applications



CHARACTERISTICS

Coastal and industrial applications.

Special treatment for protection from sea salt spray.

Green Fin.

Extra Pre-Coated PCB.

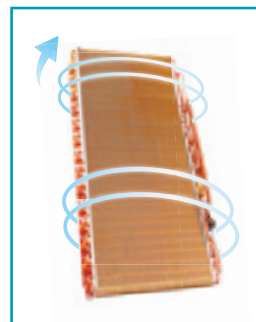
Wi-Fi ready for easy remote control of the unit via internet.

Self cleaning auto function.

Follow me function in order the indoor unit to sense the required temperature from where the remote control is.

Ionizer, provides pure air and create a fresh and healthy environment.

Pre Filter, HEPA & COLD CATALYST.



*for sizes 09-12-18 in heating mode in warmer zone

TECHNICAL SPECIFICATIONS

OUTDOOR UNIT		38QHC009DSC	38QHC012DSC	38QHC018DSC	38QHC024DSC
Cooling capacity	kW	2.70 (0.5-3.5)	3.52 (0.5-3.8)	5.28 (0.8-5.8)	6.40 (1.4-6.6)
Heating capacity	kW	2.90 (0.6-3.8)	3.80 (0.6-4.2)	5.50 (1.0-6.0)	7.00 (1.5-7.1)
Heating capacity at -7°C	kW	2,6	2,9	3,9	4,3
Heating capacity at -10°C	kW	2,3	2,8	3,7	4,2
Heating capacity at -15°C	kW	2,1	2,5	3,5	4,1
Temp range cooling	°C	-15~46	-15~46	-15~46	-15~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24
SEER/SCOP (warmer)/SCOP (average)	W/W	7.2 / 5.2 / 4.0	6.7 / 5.1 / 4.0	7.0 / 5.1 / 4.0	6.8 / 4.8 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A++ / A+
Yearly energy consumption	kWh	131 / 727 / 840	184 / 933 / 1015	264 / 1537 / 1505	329 / 1867 / 1820
EER/COP	W/W	3.29 / 3.73	2.82 / 3.39	3.25 / 3.20	3.11 / 3.30
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz
Standard current (cooling)	A	3,7	5,4	7,3	9,3
Standard input (cooling)	W	820	1250	1625	2060
Standard current (heating)	A	3,5	4,9	7,6	9,7
Standard input (heating)	W	780	1120	1720	2120
Refrigerant amount	kg	0,67	0,68	1,65	2,00
Liquid side/Gas side	inn	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min piping length	m	3	3	3	3
Max piping length	m	25	25	30	40
Max difference	m	10	10	20	20
Additional charge	g/m	15	15	15	30

INDOOR UNIT		42QHC009DSC	42QHC012DSC	42QHC018DSC	42QHC024DSC
Sound power level	dB(A)	53	54	57	63
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/silence)	m³/h	460/380/280/190	500/390/300/200	760/550/460/260	1150/890/770/420
Weight (net/gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730x192x291	812x192x300	973x218x319	1082x225x338

OUTDOOR UNIT		38QHC009DSC	38QHC012DSC	38QHC018DSC	38QHC024DSC
Sound power level	dB(A)	64	64	65	69
Sound pressure level	dB(A)	54	54	55	58
Air flow	m³/h	1700	1900	2100	2700
Weight (net/gross)	kg	23.0 / 25.0	26.5 / 28.5	38.0 / 40.5	44.0 / 47.5
Dimensions (WxDxH)	mm	700x275x550	770x300x555	800x333x554	845x363x702

Note

* Sound data @ cooling mode

*-7°C/-10°C/-15°C heating @ free frequency



INVERTER HI-WALL 42QHC-DS (PANEL A)

Comfort
all year round



CHARACTERISTICS

Self cleaning auto function.

Turbo mode, up to 15% more air flow than high speed.

Follow me function in order the indoor unit to sense the required temperature from where the remote control is.

Wide operation range -15°C up to 46°C.

Pre Filter, HEPA & COLD CATALYST.



TECHNICAL SPECIFICATIONS

OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Cooling capacity	kW	2.70 (0.5-3.5)	3.52 (0.5-3.8)	5.28 (0.8-5.8)	6.40 (1.4-6.6)
Heating capacity	kW	2.90 (0.6-3.8)	3.80 (0.6-4.2)	5.50 (1.0-6.0)	7.00 (1.5-7.1)
Heating capacity at -7°C	kW	2,6	2,9	3,9	4,3
Heating capacity at -10°C	kW	2,3	2,8	3,7	4,2
Heating capacity at -15°C	kW	2,1	2,5	3,5	4,1
Temp range cooling	°C	-15~46	-15~46	-15~46	-15~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24
SEER/SCOP (warmer)/SCOP (average)	W/W	7.2 / 5.2 / 4.0	6.7 / 5.1 / 4.0	7.0 / 5.1 / 4.0	6.8 / 4.8 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A++ / A+
Yearly energy consumption	kWh	131 / 727 / 840	184 / 933 / 1015	264 / 1537 / 1505	329 / 1867 / 1820
EER/COP	W/W	3.29 / 3.73	2.82 / 3.39	3.25 / 3.20	3.11 / 3.30
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz
Standard current (cooling)	A	3,7	5,4	7,3	9,3
Standard input (cooling)	W	820	1250	1625	2060
Standard current (heating)	A	3,5	4,9	7,6	9,7
Standard input (heating)	W	780	1120	1720	2120
Refrigerant amount	kg	0,67	0,68	1,65	2,00
Liquid side/Gas side	inn	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min piping length	m	3	3	3	3
Max piping length	m	25	25	30	40
Max difference	m	10	10	20	20
Additional charge	g/m	15	15	15	30

INDOOR UNIT		42QHC009DS	42QHC012DS	42QHC018DS	42QHC024DS
Sound power level	dB(A)	53	54	57	63
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/silence)	m³/h	460/380/280/190	500/390/300/200	760/550/460/260	1150/890/770/420
Weight (net/gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730x192x291	812x192x300	973x218x319	1082x225x338

OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Sound power level	dB(A)	64	64	65	69
Sound pressure level	dB(A)	54	54	55	58
Air flow	m³/h	1700	1900	2100	2700
Weight (net/gross)	kg	23.0 / 25.0	26.5 / 28.5	38.0 / 40.5	44.0 / 47.5
Dimensions (WxDxH)	mm	700x275x550	770x300x555	800x333x554	845x363x702

Note

* Sound data @ cooling mode

*-7°C/-10°C/-15°C heating @ free frequency



INVERTER HI-WALL 42QHC-DSA (PANEL B)

Ensuring a pleasant
environment



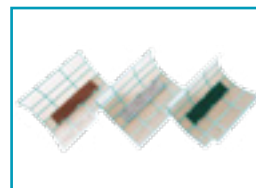
CHARACTERISTICS

Follow me function in order the indoor unit to sense the required temperature from where the remote control is.

Wide operation range -15°C up to 46°C.

ECO mode for energy saving up to 60%.

Pre Filter, HEPA & COLD CATALYST.



TECHNICAL SPECIFICATIONS

OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Cooling capacity	kW	2.70 (0.5-3.5)	3.52 (0.5-3.8)	5.28 (0.8-5.8)	6.40 (1.4-6.6)
Heating capacity	kW	2.90 (0.6-3.8)	3.80 (0.6-4.2)	5.50 (1.0-6.0)	7.00 (1.5-7.1)
Heating capacity at -7°C	kW	2,6	2,9	3,9	4,3
Heating capacity at -10°C	kW	2,3	2,8	3,7	4,2
Heating capacity at -15°C	kW	2,1	2,5	3,5	4,1
Temp range cooling	°C	-15~46	-15~46	-15~46	-15~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24
SEER/SCOP (warmer)/SCOP (average)	W/W	7.2 / 5.2 / 4.0	6.7 / 5.1 / 4.0	7.0 / 5.1 / 4.0	6.8 / 4.8 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A++ / A+
Yearly energy consumption	kWh	131 / 727 / 840	184 / 933 / 1015	264 / 1537 / 1505	329 / 1867 / 1820
EER/COP	W/W	3.29 / 3.73	2.82 / 3.39	3.25 / 3.20	3.11 / 3.30
Voltage, Hz		220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz	220-240V~, 50/60Hz
Standard current (cooling)	A	3,7	5,4	7,3	9,3
Standard input (cooling)	W	820	1250	1625	2060
Standard current (heating)	A	3,5	4,9	7,6	9,7
Standard input (heating)	W	780	1120	1720	2120
Refrigerant amount	kg	0,67	0,68	1,65	2,00
Liquid side/Gas side	inn	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min piping length	m	3	3	3	3
Max piping length	m	25	25	30	40
Max difference	m	10	10	20	20
Additional charge	g/m	15	15	15	30

INDOOR UNIT		42QHC009DSA	42QHC012DSA	42QHC018DSA	42QHC024DSA
Sound power level	dB(A)	53	54	57	63
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/silence)	m³/h	460/380/280/190	500/390/300/200	760/550/460/260	1150/890/770/420
Weight (net/gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730x192x291	812x192x300	973x218x319	1082x225x338

OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Sound power level	dB(A)	64	64	65	69
Sound pressure level	dB(A)	54	54	55	58
Air flow	m³/h	1700	1900	2100	2700
Weight (net/gross)	kg	23.0 / 25.0	26.5 / 28.5	38.0 / 40.5	44.0 / 47.5
Dimensions (WxDxH)	mm	700x275x550	770x300x555	800x333x554	845x363x702

Note

* Sound data @ cooling mode

*-7°C/-10°C/-15°C heating @ free frequency



INVERTER HI-WALL XPOWER GOLD 42EQV

Ultimate
comfort



XPOWER GOLD



CHARACTERISTICS

Higher energy saving, thanks to accurate digital power control and super-efficient compressor.

Customized comfort, by quickly achieving and maintaining your desired room temperature.

Superior reliability and quieter operation due to the advanced DC Inverter compressor.

ECO mode for silent and mild operation with energy savings up to 20% compared to standard settings.

Daily timer to set the exact time when you want your air-conditioner to start and stop operating.

ECO sleep timer for an automatic stop operation and fan control for 1, 3, 5 or 9 hours.

Smart auto-diagnosis system, indicates any problem and enables fast and effective repair.



TECHNICAL SPECIFICATIONS

Model IDU		42EQV025M	42EQV035M	42EQV050M	42EQV060M
Model CDU		38EYV025M	38EYV035M	38EYV050M	38EYV060M
Cooling capacity	kW	2,50	3,50	5,00	6,00
Cooling capacity range (min.-max.)	kW	1,20-3,00	1,10-4,00	1,10-6,00	1,20-6,70
Power consumption	kW	0,77	1,07	1,51	1,99
EER	W/W	3,25	3,27	3,31	3,02
SEER	W/W	5,10	6,10	6,80	6,30
Energy class		A	A++	A++	A++
Heating capacity	kW	3,20	4,20	5,80	7,00
Heating capacity range (min.-max.)	kW	0,90-3,50	0,90-5,00	0,80-6,30	100-7,50
Power consumption	kW	0,84	1,13	1,60	2,18
COP	W/W	3,81	3,72	3,63	3,21
SCOP (average)	W/W	3,80	4,00	3,90	3,80
Energy class (average)		A	A+	A+	A+
Energy class (average)		A	A+	A+	A+

INDOOR UNIT		42EQV025M	42EQV035M	42EQV050M	42EQV060M
Sound pressure level (cooling)	dB(A)	40/37/34/31/27	39/36/33/30/26	44/41/38/32/30	47/44/41/38/35
Sound power level (cooling)	dB(A)	55	54	59	62
Sound pressure level (heating)	dB(A)	41/38/35/32/28	40/37/34/31/28	44/41/39/35/32	47/44/42/38/35
Sound power level (heating)	dB(A)	56	55	59	62
Dimensions (WxDxH)	mm	790x235x275	790x235x275	1050x238x320	1050x238x320
Weight (net)	kg	10	10	13	13

OUTDOOR UNIT		38EYV025M	38EYV035M	38EYV050M	38EYV060M
Sound pressure level (cooling)	dB(A)	48	48	49	53
Sound power level (cooling)	dB(A)	63	63	64	68
Sound pressure level (heating)	dB(A)	50	50	50	52
Sound power level (heating)	dB(A)	65	65	65	67
Operating range (cooling/heating)	°C	-10~46 / -15~24			
Dimensions (WxDxH)	mm	660x240x530	780x290x550	780x290x550	780x290x550
Weight (net)	kg	27	33	39	41
Flare connections (Liquid side-Gas side)	inch	1/4-3/8	1/4-3/8	1/4-1/2	3/8-5/8
Chargeless pipe length	m	15	15	20	20
Max. piping length (with charge)	m	15	20	20	20
Max. height difference	m	8	10	10	10
Power supply	V-Ph-Hz	220/240-1-50/60			

Note:

Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.
Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.



DELIVERING THE ULTIMATE COMFORT WITH THE MAXIMUM FLEXIBILITY

MULTI SPLIT SYSTEMS





INVERTER MULTI SYSTEMS 38QUS*-1

Ultimate cooling and heating comfort with the maximum flexibility



CHARACTERISTICS

DC Inverter technology with twin rotary compressor and DC fan motor for quieter and economical operation.

One outdoor unit can serve up to 5 indoor units for all possible indoor models combination.

Individual control of the indoor units.

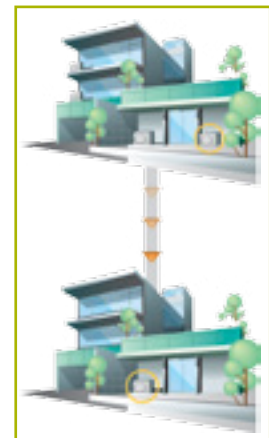
Light weight and compact.

Wide operation range.

Long piping design for wide choice of installation sites.

Intelligent anti-cold-air function.

Low ambient operation kit.



OUTDOOR UNIT (1 TO 2)		38QUS018DS2-1			
IDUS COMBINATION FOR RATING		42QHC009DS (X2)	42QTD009DS-1 (X2)	42QZA009DS-1 (X2)	42QSS009DS-1 (X2)
Cooling capacity	kW	5	5,3	5,2	5,3
Heating capacity	kW	5,9	5,6	5,9	6,1
SEER/SCOP (average)	W/W	6.52 / 3.80	6.62 / 3.91	5.65 / 3.80	5.74 / 3.80
Energy label		A++ / A	A++ / A	A+ / A	A+ / A
Yearly energy consumption	kWh	268 / 1791	280 / 1780	322 / 1916	323 / 1791
Standard current (cooling)	A	7,7	7,6	8,4	7,4
Standard input (cooling)	W	1710	1720	1890	1650
Standard current (heating)	A	7,2	7,4	7,7	7,2
Standard input (heating)	W	1580	1655	1730	1610
Outdoor air flow	m ³ /h	2700			
Outdoor sound pressure level	dB(A)	59,5			
Outdoor sound power level	dB(A)	66			
Dimension (W*D*H)	mm	845x363x702			
Net/Gross weight	kg	48.5/52			
GWP		2088			
Refrigerant charge amount, R410A	kg	1,9			
Refrigerant piping (Liquid side/Gas side)	inch	2 x 1/4"/3/8"			
Max. length for all rooms	m	40			
Max. length for one indoor unit	m	25			
Max. height difference between IDU and CDU	m	15			
Max. height difference between indoor units	m	10			
Temp range cooling	°C	-10-46			
Temp range heating	°C	-15-24			
Power supply	V-ph-Hz	220-240V~, 50/60Hz, 1Ph			

OUTDOOR UNIT (1 TO 3)		38QUS027DS3-1			
IDUS COMBINATION FOR RATING		42QHC009DS (X3)	42QTD009DS-1 (X3)	42QZA009DS-1 (X3)	42QSS009DS-1 (X3)
Cooling capacity	kW	7,92	7,92	7,92	7,92
Heating capacity	kW	8,60	8,20	8,20	8,20
SEER/SCOP (average)	W/W	6.40 / 4.00	6.10 / 4.00	6.10 / 4.00	5.90 / 3.80
Energy label		A++ / A+	A++ / A+	A++ / A+	A+ / A
Yearly energy consumption	kWh	433 / 2380	454 / 2030	454 / 1995	470 / 2432
Standard current (cooling)	A	11,8	11,4	10,8	10,7
Standard input (cooling)	W	2690	2600	2450	2420
Standard current (heating)	A	10,3	10,4	10	9,8
Standard input (heating)	W	2340	2350	2280	2230
Outdoor air flow	m ³ /h	2700			
Outdoor sound pressure level	dB(A)	61			
Outdoor sound power level	dB(A)	68			
Dimension (W*D*H)	mm	845x363x702			
Net/Gross weight	kg	52.5/56			
GWP		2088			
Refrigerant charge amount, R410A	kg	2,1			
Refrigerant piping (Liquid side/Gas side)	inch	3 x 1/4"/3/8"			
Max. length for all rooms	m	60			
Max. length for one indoor unit	m	30			
Max. height difference between IDU and CDU	m	15			
Max. height difference between indoor units	m	10			
Temp range cooling	°C	-10-46			
Temp range heating	°C	-15-24			
Power supply	V-ph-Hz	220-240V~, 50/60Hz, 1Ph			

OUTDOOR UNITS TECHNICAL CHARACTERISTICS

OUTDOOR UNIT (1 TO 4)		38QUS036DS4-1			
IDUS COMBINATION FOR RATING		42QHC009DS (X4)	42QTD009DS-1 (X4)	42QZA009DS-1 (X4)	42QSS009DS-1 (X4)
Cooling capacity	kW	10,6	10,6	10,6	10,6
Heating capacity	kW	12,0	11,2	11,2	11,2
SEER/SCOP (average)	W/W	6.30 / 3.80	5.90 / 3.80	5.80 / 3.80	6.90 / 3.80
Energy label		A++ / A	A+ / A	A+ / A	A++ / A
Yearly energy consumption	kWh	586 / 3537	626 / 3426	640 / 3353	535 / 3426
Standard current (cooling)	A	17,1	17,6	16,9	15,9
Standard input (cooling)	W	3880	4010	3850	3600
Standard current (heating)	A	17	14,2	13,8	13,9
Standard input (heating)	W	3840	3200	3100	3150
Outdoor air flow	m ³ /h	4000			
Outdoor sound pressure level	dB(A)	63			
Outdoor sound power level	dB(A)	68			
Dimension (W*D*H)	mm	946x410x810			
Net/Gross weight	kg	70/75			
GWP		2088			
Refrigerant charge amount, R410A	kg	3			
Refrigerant piping (Liquid side/Gas side)	inch	3 x 1/4"/3/8" + 1 x 1/4"/1/2"			
Max. length for all rooms	m	80			
Max. length for one indoor unit	m	35			
Max. height difference between IDU and CDU	m	15			
Max. height difference between indoor units	m	10			
Temp range cooling	°C	-10-46			
Temp range heating	°C	-15-24			
Power supply	V-ph-Hz	220-240V~, 50/60Hz, 1Ph			

OUTDOOR UNIT (1 TO 5)		38QUS042DS5-1			
IDUS COMBINATION FOR RATING		42QHC009DS (X5)	42QTD009DS-1 (X5)	42QZA009DS-1 (X5)	42QSS009DS-1 (X5)
Cooling capacity	kW	12,3	12,3	12,3	12,3
Heating capacity	kW	12,6	12,5	12,5	12,6
SEER/SCOP (average)	W/W	6.60 / 3.80	5.60 / 3.80	5.80 / 3.80	6.40 / 3.50
Energy label		A++ / A	A+ / A	A+ / A	A++ / A
Yearly energy consumption	kWh	653 / 3611	769 / 3537	742 / 3463	673 / 3880
Standard current (cooling)	A	17,2	19,8	17,8	16,8
Standard input (cooling)	W	3900	4500	4000	3820
Standard current (heating)	A	15,2	16	15,5	14,6
Standard input (heating)	W	3465	3600	3500	3320
Outdoor air flow	m ³ /h	4000			
Outdoor sound pressure level	dB(A)	63			
Outdoor sound power level	dB(A)	68			
Dimension (W*D*H)	mm	946x410x810			
Net/Gross weight	kg	76/81			
GWP		2088			
Refrigerant charge amount, R410A	kg	3,6			
Refrigerant piping (Liquid side/Gas side)	inch	4 x 1/4"/3/8" + 1 x 1/4"/1/2"			
Max. length for all rooms	m	80			
Max. length for one indoor unit	m	35			
Max. height difference between IDU and CDU	m	15			
Max. height difference between indoor units	m	10			
Temp range cooling	°C	-10-46			
Temp range heating	°C	-15-24			
Power supply	V-ph-Hz	220-240V~, 50/60Hz, 1Ph			

HI-WALL



		42QHC009DS	42QHC012DS	42QHC018DS	42QHC024DS
Cooling capacity	kW	2,70	3,52	5,28	6,40
Heating capacity	kW	2,90	3,80	5,50	7,00
Sound power level	dB(A)	53	54	57	63
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Air flow (high/med/low/silence)	m ³ /h	460/380/280/190	500/390/300/200	760/550/460/260	1150/890/770/420
Weight (net/gross)	kg	8.0 / 10.5	9.0 / 12.0	11.5 / 16.5	13.5 / 18.5
Dimensions (WxDxH)	mm	730x192x291	812x192x300	973x218x319	1082x225x338
Refrigerant piping (Liquid side/Gas side)	inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"
Power supply	V-ph-Hz	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph

CONSOLE



		42QZA009DS-I	42QZA012DS-I	42QZA018DS-I
Cooling capacity	kW	2,64	3,52	4,40
Heating capacity	kW	2,90	3,70	5,40
Sound power level	dB(A)	60	60	60
Sound pressure level (high/med/low)	dB(A)	43/39/34	45/43/38	46/44/42
Air flow (high/med/low)	m ³ /h	460/400/360	530/480/360	530/470/430
Weight (net/gross)	kg	13.5/18.0	15.0/19.5	15.0/19.5
Dimension (W*D*H)	mm	700x600x210	700x600x210	700x600x210
Refrigerant piping (Liquid side/Gas side)	inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"
Power supply	V-ph-Hz	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph

CASSETTE



		42QTD009DS-1	42QTD012DS-1	42QTD018DS-1	42QTD024DS-1
Cooling capacity	kW	2,64	3,52	5,00	7,03
Heating capacity	kW	3,00	4,00	5,50	7,03
Sound power level	dB(A)	58	59	60	61
Sound pressure level (high/med/low)	dB(A)	42/39/36	42/39/36	45/42/36	49/46/43
Air flow (high/med/low)	m ³ /h	560/430/390	560/430/390	650/530/370	1350/1200/1070
Weight (net/gross) (Body)	kg	15.0/18.0	16.5/19.0	16.5/19.0	24.5/30.0
Weight (net/gross) (Panel)	kg	2.5/4.5	2.5/4.5	2.5/4.5	5 / 8
Dimensions (WxDxH) (Body)	mm	570x570x260	570x570x260	570x570x260	840x840x245
Dimensions (WxDxH) (Panel)	mm	647x647x50	647x647x50	647x647x50	950x950x55
Refrigerant piping (Liquid side/Gas side)	inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"
Power supply	V-ph-Hz	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph

DUCTED



		42QSS009DS-1	42QSS012DS-1	42QSS018DS-1	42QSS024DS-1
Cooling capacity	kW	2,65	3,52	5,00	7,03
Heating capacity	kW	3,25	3,80	5,40	7,40
Sound power level	dB(A)	60	60	60	61
Sound pressure level (high/med/low)	dB(A)	42/38/35	42/38/35	42/40/38	43/40/38
Air flow (high/med/low)	m ³ /h	540/500/370	540/500/370	790/660/490	1120/900/420
Weight (net/gross)	kg	18.5/23.0	18.5/23.0	23.0/29.0	30.2/37.3
Dimensions (WxDxH)	mm	700x635x210	700x635x210	880x674x210	1100x774x249
Refrigerant piping (Liquid side/Gas side)	inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"
Power supply	V-ph-Hz	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph	220-240V~, 50/60Hz, 1Ph

H/M/L/SL: High / Medium / Low / Super Low
WxDxH: Width x Depth x Height

COOLING

38QUS018DS2-1	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)		RATED CAPACITY (KW)(NOM. COOLING)		TOTAL COOLING CAPACITY (KW)			TOTAL POWER INPUT (KW)		
		UNIT A	UNIT B	UNIT A	UNIT B	MIN.	RATED	MAX.	MIN.	RATED	MAX.
1x1	9	9	-	2,70	-	1,13	2,70	3,38	0,36	0,91	1,18
	12	12	-	3,46	-	1,45	3,46	4,33	0,46	1,18	1,53
	18	18	-	5,15	-	2,16	5,15	6,44	0,70	1,77	2,30
1x2	9+9	9	9	2,65	2,65	2,23	5,30	5,83	0,69	1,76	2,00
	9+12	9	12	2,47	2,99	2,29	5,46	5,90	0,70	1,78	1,99
	9+18	9	18	2,38	3,20	2,34	5,58	6,03	0,70	1,77	1,98
	12+12	12	12	2,76	2,76	2,32	5,52	5,96	0,70	1,78	1,99

HEATING

38QUS018DS2-1	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)		RATED CAPACITY (KW)(NOM. HEATING)		TOTAL HEATING CAPACITY (KW)			TOTAL POWER INPUT (KW)		
		UNIT A	UNIT B	UNIT A	UNIT B	MIN.	RATED	MAX.	MIN.	RATED	MAX.
1x1	9	9	-	2,92	-	1,23	2,92	3,36	0,32	0,80	0,95
	12	12	-	3,75	-	1,58	3,75	4,16	0,41	1,04	1,19
	18	18	-	5,40	-	2,27	5,40	5,99	0,60	1,52	1,73
1x2	9+9	9	9	2,78	2,78	2,34	5,57	6,01	0,60	1,50	1,67
	9+12	9	12	2,71	2,98	2,39	5,68	6,08	0,62	1,55	1,70
	9+18	9	18	2,50	3,37	2,46	5,86	6,21	0,65	1,63	1,78
	12+12	12	12	2,90	2,90	2,44	5,80	6,09	0,64	1,60	1,72

COOLING

38QUS027DS3-1	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)			RATED CAPACITY (KW)(NOM. COOLING)			TOTAL COOLING CAPACITY (KW)			TOTAL POWER INPUT (KW)		
		UNIT A	UNIT B	UNIT C	UNIT A	UNIT B	UNIT C	MIN.	RATED	MAX.	MIN.	RATED	MAX.
1x1	9	9	-	-	2,77	-	-	1,16	2,77	3,46	0,59	0,98	1,27
	12	12	-	-	3,46	-	-	1,45	3,46	4,33	0,65	1,24	1,60
	18	18	-	-	5,35	-	-	2,25	5,35	6,69	0,77	1,92	2,50
1x2	9+9	9	9	-	2,60	2,60	-	2,18	5,20	6,76	0,70	1,67	2,24
	9+12	9	12	-	2,57	3,43	-	2,52	6,00	7,50	0,82	1,95	2,52
	9+18	9	18	-	2,50	5,00	-	3,15	7,50	8,25	1,04	2,48	2,83
	12+12	12	12	-	3,23	3,23	-	2,71	6,45	7,80	0,89	2,11	2,64
	12+18	12	18	-	3,08	4,62	-	3,23	7,70	8,30	1,10	2,61	2,91
	18+18	18	18	-	4,03	4,03	-	3,39	8,06	8,35	1,06	2,52	2,69
	9+9+9	9	9	9	2,64	2,64	2,64	3,32	7,91	8,31	1,03	2,46	2,67
1x3	9+9+12	9	9	12	2,39	2,39	3,18	3,34	7,95	8,35	1,03	2,45	2,65
	9+9+18	9	9	18	2,32	2,32	3,56	3,44	8,20	8,46	1,06	2,52	2,68
	9+12+12	9	12	12	2,25	2,90	2,90	3,38	8,05	8,37	1,02	2,44	2,62
	9+12+18	9	12	18	2,18	2,80	3,27	3,47	8,25	8,46	1,04	2,48	2,66
	12+12+12	12	12	12	2,74	2,74	2,74	3,45	8,21	8,46	1,05	2,50	2,66

HEATING

38QUS027DS3-1	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)			RATED CAPACITY (KW)(NOM. HEATING)			TOTAL HEATING CAPACITY (KW)			TOTAL POWER INPUT (KW)		
		UNIT A	UNIT B	UNIT C	UNIT A	UNIT B	UNIT C	MIN.	RATED	MAX.	MIN.	RATED	MAX.
1x1	9	9	-	-	2,92	-	-	1,23	2,92	3,74	0,55	0,99	1,32
	12	12	-	-	3,75	-	-	1,58	3,75	4,80	0,58	1,29	1,56
	18	18	-	-	5,40	-	-	2,27	5,40	6,90	0,76	1,89	2,27
1x2	9+9	9	9	-	3,24	3,24	-	2,72	6,48	7,15	0,80	1,99	2,51
	9+12	9	12	-	3,24	4,31	-	3,17	7,55	7,76	0,94	2,34	2,55
	9+18	9	18	-	2,72	5,43	-	3,42	8,15	8,42	1,03	2,56	2,68
	12+12	12	12	-	3,90	3,90	-	3,28	7,80	8,13	0,98	2,44	2,60
	12+18	12	18	-	3,32	4,98	-	3,49	8,30	8,60	1,05	2,63	2,68
	18+18	18	18	-	4,30	4,30	-	3,61	8,60	8,88	1,05	2,62	2,68
	9+9+9	9	9	9	2,74	2,74	2,74	3,45	8,21	8,54	0,91	2,27	2,68
1x3	9+9+12	9	9	12	2,51	2,51	3,35	3,52	8,37	8,71	0,92	2,29	2,68
	9+9+18	9	9	18	2,42	2,42	3,81	3,63	8,65	8,91	0,96	2,39	2,68
	9+12+12	9	12	12	2,35	2,35	3,92	3,62	8,62	8,88	0,94	2,36	2,68
	9+12+18	9	12	18	2,28	2,32	4,30	3,74	8,90	9,10	1,01	2,53	2,68
	12+12+12	12	12	12	2,96	2,96	2,96	3,72	8,87	9,04	0,99	2,48	2,68

MULTI DC INVERTER COMBINATION AND CAPACITY

COOLING

38QU5036DS4-1	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)				RATED CAPACITY (KW)(NOM. COOLING)				TOTAL COOLING CAPACITY (KW)			TOTAL POWER INPUT (KW)		
		UNIT A	UNIT B	UNIT C	UNIT D	UNIT A	UNIT B	UNIT C	UNIT D	MIN.	RATED	MAX.	MIN.	RATED	MAX.
1x1	9	9	-	-	-	2,70	-	-	-	1,11	2,70	3,27	0,78	1,17	1,49
	12	12	-	-	-	3,46	-	-	-	1,42	3,46	4,19	0,99	1,57	2,00
	18	18	-	-	-	5,84	-	-	-	2,39	5,84	7,07	1,64	2,72	3,45
	24	24	-	-	-	7,40	-	-	-	3,11	7,40	8,50	1,78	3,49	4,21
1x2	9+9	9	9	-	-	2,92	2,92	-	-	2,39	5,84	7,07	0,98	2,43	3,07
	9+12	9	12	-	-	2,62	3,22	-	-	2,39	5,84	7,07	0,98	2,51	3,17
	9+18	9	18	-	-	2,68	5,47	-	-	3,34	8,15	9,86	1,25	3,57	4,52
	9+24	9	24	-	-	2,60	7,10	-	-	3,98	9,70	11,64	1,57	4,35	5,46
	12+12	12	12	-	-	3,14	3,14	-	-	2,57	6,28	7,60	1,03	2,73	3,45
	12+18	12	18	-	-	3,07	5,08	-	-	3,34	8,15	9,86	1,25	3,64	4,61
	12+24	12	24	-	-	2,96	7,24	-	-	4,18	10,20	12,24	1,85	4,64	5,83
	18+18	18	18	-	-	5,25	4,85	-	-	4,31	10,10	12,71	1,45	4,59	6,05
1x3	9+9+9	9	9	9	-	2,72	2,72	2,72	-	3,34	8,15	9,86	1,25	3,33	4,18
	9+9+12	9	9	12	-	2,62	2,62	2,91	-	3,34	8,15	9,86	1,25	3,41	4,29
	9+9+18	9	9	18	-	2,55	2,55	5,40	-	4,31	10,50	12,71	1,45	4,45	5,60
	9+9+24	9	9	24	-	2,50	2,50	5,80	-	4,43	10,80	12,96	1,68	4,66	5,81
	9+12+12	9	12	12	-	2,82	3,47	3,47	-	4,00	9,75	11,80	1,42	4,06	5,11
	9+12+18	9	12	18	-	2,63	3,20	4,16	-	3,73	9,99	11,00	1,25	4,31	4,93
	9+12+24	9	12	24	-	2,58	3,00	6,22	-	4,84	11,80	13,80	1,55	5,18	6,30
	9+18+18	9	18	18	-	2,33	4,75	4,75	-	4,85	11,84	13,80	1,60	5,33	6,48
	12+12+12	12	12	12	-	3,25	3,25	3,25	-	4,00	9,75	11,80	1,42	4,11	5,18
	12+12+18	12	12	18	-	3,20	3,20	4,65	-	4,53	11,05	13,37	1,54	4,80	6,05
	12+12+24	12	12	24	-	3,00	3,00	5,90	-	4,88	11,90	13,80	1,59	5,29	6,39
	12+18+18	12	18	18	-	2,75	4,55	4,55	-	4,85	11,84	13,80	1,60	5,36	6,51
1x4	9+9+9+9	9	9	9	9	2,64	2,64	2,64	2,64	7,39	10,56	13,73	3,56	3,90	5,24
	9+9+9+12	9	9	9	12	2,50	2,50	2,50	3,50	7,70	11,00	13,80	2,15	4,00	5,19
	9+9+9+18	9	9	9	18	2,50	2,50	2,50	5,00	8,75	12,50	13,80	2,44	4,42	5,04
	9+9+12+12	9	9	12	12	2,50	2,50	3,50	3,50	8,40	12,00	13,80	2,35	4,30	5,11
	9+9+12+18	9	9	12	18	2,30	2,30	3,30	4,90	8,68	12,80	13,80	2,63	4,49	5,00
	9+12+12+12	9	12	12	12	2,30	2,30	3,50	3,50	8,12	11,60	13,80	2,27	4,13	5,07
	9+12+12+18	9	12	12	18	2,30	3,30	3,30	4,50	9,38	13,40	13,80	2,84	4,72	5,02
	12+12+12+12	12	12	12	12	3,30	3,30	3,30	3,30	8,68	13,20	13,80	2,63	4,60	4,96
	12+12+12+18	12	12	12	18	3,10	3,10	3,10	4,10	9,38	13,40	13,80	2,82	4,70	5,00

HEATING

38QU5036DS4-1	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)				RATED CAPACITY (KW)(NOM. HEATING)				TOTAL HEATING CAPACITY (KW)			TOTAL POWER INPUT (KW)		
		UNIT A	UNIT B	UNIT C	UNIT D	UNIT A	UNIT B	UNIT C	UNIT D	MIN.	RATED	MAX.	MIN.	RATED	MAX.
1x1	9	9	-	-	-	2,70	-	-	-	1,11	2,70	3,27	0,78	1,17	1,49
	12	12	-	-	-	3,46	-	-	-	1,42	3,46	4,19	0,99	1,57	2,00
	18	18	-	-	-	5,84	-	-	-	2,39	5,84	7,07	1,64	2,72	3,45
	24	24	-	-	-	7,40	-	-	-	3,11	7,40	8,50	1,78	3,49	4,21
1x2	9+9	9	9	-	-	2,92	2,92	-	-	2,39	5,84	7,07	0,98	2,43	3,07
	9+12	9	12	-	-	2,62	3,22	-	-	2,39	5,84	7,07	0,98	2,51	3,17
	9+18	9	18	-	-	2,68	5,47	-	-	3,34	8,15	9,86	1,25	3,57	4,52
	9+24	9	24	-	-	2,60	7,10	-	-	3,98	9,70	11,64	1,57	4,35	5,46
	12+12	12	12	-	-	3,14	3,14	-	-	2,57	6,28	7,60	1,03	2,73	3,45
	12+18	12	18	-	-	3,07	5,08	-	-	3,34	8,15	9,86	1,25	3,64	4,61
	12+24	12	24	-	-	2,96	7,24	-	-	4,18	10,20	12,24	1,85	4,64	5,83
	18+18	18	18	-	-	5,25	4,85	-	-	4,31	10,10	12,71	1,45	4,59	6,05
1x3	9+9+9	9	9	9	-	2,72	2,72	2,72	-	3,34	8,15	9,86	1,25	3,33	4,18
	9+9+12	9	9	12	-	2,62	2,62	2,91	-	3,34	8,15	9,86	1,25	3,41	4,29
	9+9+18	9	9	18	-	2,55	2,55	5,40	-	4,31	10,50	12,71	1,45	4,45	5,60
	9+9+24	9	9	24	-	2,50	2,50	5,80	-	4,43	10,80	12,96	1,68	4,66	5,81
	9+12+12	9	12	12	-	2,82	3,47	3,47	-	4,00	9,75	11,80	1,42	4,06	5,11
	9+12+18	9	12	18	-	2,63	3,20	4,16	-	3,73	9,99	11,00	1,25	4,31	4,93
	9+12+24	9	12	24	-	2,58	3,00	6,22	-	4,84	11,80	13,80	1,55	5,18	6,30
	9+18+18	9	18	18	-	2,33	4,75	4,75	-	4,85	11,84	13,80	1,60	5,33	6,48
	12+12+12	12	12	12	-	3,25	3,25	3,25	-	4,00	9,75	11,80	1,42	4,11	5,18
	12+12+18	12	12	18	-	3,20	3,20	4,65	-	4,53	11,05	13,37	1,54	4,80	6,05
	12+12+24	12	12	24	-	3,00	3,00	5,90	-	4,88	11,90	13,80	1,59	5,29	6,39
	12+18+18	12	18	18	-	2,75	4,55	4,55	-	4,85	11,84	13,80	1,60	5,36	6,51
1x4	9+9+9+9	9	9	9	9	2,64	2,64	2,64	2,64	7,39	10,56	13,73	3,56	3,90	5,24
	9+9+9+12	9	9	9	12	2,50	2,50	2,50	3,50	7,70	11,00	13,80	2,15	4,00	5,19
	9+9+9+18	9	9	9	18	2,50	2,50	2,50	5,00	8,75	12,50	13,80	2,44	4,42	5,04
	9+9+12+12	9	9	12	12	2,50	2,50	3,50	3,50	8,40	12,00	13,80	2,35	4,30	5,11
	9+9+12+18	9	9	12	18	2,30	2,30	3,30	4,90	8,68	12,80	13,80	2,63	4,49	5,00
	9+12+12+12	9	12	12	12	2,30	2,30	3,50	3,50	8,12	11,60	13,80	2,27	4,13	5,07
	9+12+12+18	9	12	12	18	2,30	3,30	3,30	4,50	9,38	13,40	13,80	2,84	4,72	5,02
	12+12+12+12	12	12	12	12	3,30	3,30	3,30	3,30	8,68	13,20	13,80	2,63	4,60	4,96
	12+12+12+18	12	12	12	18	3,10	3,10	3,10	4,10	9,38	13,40	13,80	2,82	4,70	5,00



COOLING

38QU5042DS5-1	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)					RATED CAPACITY (KW)(NOM. COOLING)					TOTAL COOLING CAPACITY (KW)			TOTAL POWER INPUT (KW)		
		UNIT A	UNIT B	UNIT C	UNIT D	UNIT E	UNIT A	UNIT B	UNIT C	UNIT D	UNIT E	MIN.	RATED	MAX.	MIN.	RATED	MAX.
1x1	9	9	-	-	-	-	2,77	-	-	-	-	1,16	2,77	3,32	0,54	0,98	1,22
	12	12	-	-	-	-	3,46	-	-	-	-	1,45	3,46	4,15	0,62	1,24	1,55
	18	18	-	-	-	-	5,35	-	-	-	-	2,25	5,35	6,42	0,78	1,95	2,42
1x2	24	24	-	-	-	-	7,03	-	-	-	-	2,95	7,03	8,44	1,04	2,60	3,24
	9+9	9	9	-	-	-	2,45	2,45	-	-	-	2,06	4,91	5,80	0,67	1,67	2,09
	9+12	9	12	-	-	-	2,40	2,96	-	-	-	2,25	5,36	6,30	0,74	1,85	2,29
	9+18	9	18	-	-	-	2,28	4,66	-	-	-	2,92	6,94	8,05	0,97	2,44	2,98
	9+24	9	24	-	-	-	2,23	6,00	-	-	-	3,45	8,22	9,47	1,17	2,94	3,57
	12+12	12	12	-	-	-	2,91	2,91	-	-	-	2,44	5,81	6,80	0,82	2,05	2,54
	12+18	12	18	-	-	-	2,78	4,61	-	-	-	3,11	7,39	8,55	1,05	2,62	3,20
12+24	12	24	-	-	-	2,72	5,95	-	-	-	3,64	8,68	9,97	1,25	3,12	3,79	
18+18	18	18	-	-	-	4,49	4,49	-	-	-	3,77	8,98	10,30	1,32	3,30	4,01	
1x3	9+9+9	9	9	9	-	-	2,48	2,48	2,48	-	-	3,12	7,43	8,55	1,00	2,49	3,08
	9+9+12	9	9	12	-	-	2,45	2,45	3,01	-	-	3,32	7,91	9,07	1,07	2,66	3,27
	9+9+18	9	9	18	-	-	2,37	2,37	4,84	-	-	4,02	9,58	10,88	1,32	3,30	4,03
	9+9+24	9	9	24	-	-	2,33	2,33	6,27	-	-	4,59	10,94	12,34	1,53	3,84	4,66
	9+12+12	9	12	12	-	-	2,42	2,98	2,98	-	-	3,52	8,39	9,58	1,14	2,84	3,48
	9+12+18	9	12	18	-	-	2,36	2,90	4,80	-	-	4,23	10,06	11,39	1,37	3,43	4,17
	9+12+24	9	12	24	-	-	2,32	2,85	6,24	-	-	4,79	11,41	12,86	1,59	3,98	4,81
	9+18+18	9	18	18	-	-	2,31	4,71	4,71	-	-	4,93	11,73	13,20	1,68	4,19	5,08
	12+12+12	12	12	12	-	-	2,96	2,96	2,96	-	-	3,72	8,87	10,10	1,19	2,98	3,63
	12+12+18	12	12	18	-	-	2,88	2,88	4,77	-	-	4,43	10,54	11,91	1,43	3,57	4,33
12+12+24	12	12	24	-	-	2,83	2,83	6,19	-	-	4,97	11,84	13,26	1,69	4,23	5,10	
12+18+18	12	18	18	-	-	2,80	4,63	4,63	-	-	5,06	12,06	13,39	1,73	4,34	5,19	
1x4	9+9+9+9	9	9	9	9	-	2,47	2,47	2,47	2,47	-	4,15	9,89	11,35	1,29	3,22	4,03
	9+9+9+12	9	9	9	12	-	2,45	2,45	2,45	3,01	-	4,35	10,36	11,89	1,35	3,39	4,23
	9+9+9+18	9	9	9	18	-	2,38	2,38	2,38	4,86	-	5,05	12,02	13,78	1,59	3,97	4,96
	9+9+9+24	9	9	9	24	-	2,26	2,26	2,26	6,09	-	5,40	12,87	14,04	1,77	4,44	5,30
	9+9+12+12	9	9	12	12	-	2,43	2,43	2,99	2,99	-	4,55	10,83	12,43	1,41	3,53	4,41
	9+9+12+18	9	9	12	18	-	2,34	2,34	2,88	4,76	-	5,17	12,32	13,87	1,63	4,08	5,01
	9+9+12+24	9	9	12	24	-	2,22	2,22	2,74	5,99	-	5,53	13,17	14,13	1,83	4,57	5,37
	9+12+12+12	9	12	12	12	-	2,41	2,97	2,97	2,97	-	4,75	11,31	12,97	1,49	3,73	4,66
	9+12+12+18	9	12	12	18	-	2,29	2,82	2,82	4,68	-	5,30	12,62	13,96	1,73	4,32	5,23
	12+12+12+12	12	12	12	12	-	2,94	2,94	2,94	2,94	-	4,95	11,78	13,51	1,57	3,91	4,89
	12+12+12+18	12	12	12	18	-	2,77	2,77	2,77	4,59	-	5,43	12,92	14,05	1,78	4,45	5,30
	9+9+9+9+9	9	9	9	9	9	2,46	2,46	2,46	2,46	2,46	5,17	12,31	14,40	1,53	3,82	5,11
9+9+9+9+12	9	9	9	9	12	2,42	2,42	2,42	2,42	2,98	5,31	12,64	14,44	1,57	3,93	5,12	
9+9+9+9+18	9	9	9	9	18	2,29	2,29	2,29	2,29	4,66	5,80	13,81	14,56	1,70	4,25	5,11	
9+9+9+12+12	9	9	9	12	12	2,38	2,38	2,38	2,92	2,92	5,45	12,98	14,47	1,59	3,98	5,06	
9+9+9+12+18	9	9	9	12	18	2,26	2,26	2,26	2,78	4,60	5,94	14,15	14,60	1,72	4,30	5,05	
9+9+12+12+12	9	9	12	12	12	2,34	2,34	2,88	2,88	3,07	5,67	13,50	14,51	1,66	4,14	5,07	
9+12+12+12+12	9	12	12	12	12	2,30	2,84	2,84	2,84	2,84	5,73	13,65	14,54	1,66	4,16	5,05	
9+12+12+12+18	9	12	12	12	18	2,25	2,75	2,75	2,75	3,70	5,96	14,20	14,60	1,73	4,33	5,07	
12+12+12+12+12	12	12	12	12	12	2,83	2,83	2,83	2,83	2,83	5,94	14,15	14,60	1,73	4,31	5,07	

MULTI DC INVERTER COMBINATION AND CAPACITY

HEATING

38QU5042DS5-1	INDOOR UNITS	COMBINATIONS (X1000 BTU/H)					RATED CAPACITY (KW)(NOM. HEATING)					TOTAL HEATING CAPACITY (KW)			TOTAL POWER INPUT (KW)		
		UNIT A	UNIT B	UNIT C	UNIT D	UNIT E	UNIT A	UNIT B	UNIT C	UNIT D	UNIT E	MIN.	RATED	MAX.	MIN.	RATED	MAX.
1x1	9	-	-	-	-	2,92	-	-	-	-	1,23	2,92	3,36	0,51	0,92	1,09	1,22
	12	-	-	-	-	3,75	-	-	-	-	1,58	3,75	4,31	0,59	1,19	1,41	1,55
	18	-	-	-	-	6,00	-	-	-	-	2,52	6,00	6,90	0,77	1,92	2,28	2,42
	24	-	-	-	-	7,03	-	-	-	-	2,95	7,03	8,08	0,91	2,27	2,69	3,24
1x2	9	9	-	-	-	2,97	2,97	-	-	-	2,50	5,95	7,36	0,73	1,82	2,37	2,09
	9	12	-	-	-	2,92	3,60	-	-	-	2,74	6,52	8,04	0,81	2,02	2,62	2,29
	9	18	-	-	-	2,80	5,72	-	-	-	3,58	8,52	10,42	1,07	2,66	3,42	2,98
	9	24	-	-	-	2,75	7,40	-	-	-	4,26	10,14	12,34	1,29	3,22	4,11	3,57
	12	12	-	-	-	3,55	3,55	-	-	-	2,98	7,09	8,72	0,89	2,22	2,86	2,54
	12	18	-	-	-	3,42	5,67	-	-	-	3,82	9,09	11,10	1,15	2,87	3,67	3,20
	12	24	-	-	-	3,36	7,35	-	-	-	4,50	10,72	13,02	1,37	3,41	4,36	3,79
	18	18	-	-	-	5,55	5,55	-	-	-	4,66	11,10	13,47	1,42	3,56	4,54	4,01
1x3	9	9	9	-	-	2,75	2,75	2,75	-	-	3,47	8,25	9,94	1,00	2,50	3,21	3,08
	9	9	12	-	-	2,68	2,68	3,30	-	-	3,64	8,67	10,45	1,06	2,64	3,39	3,27
	9	9	18	-	-	2,51	2,51	5,12	-	-	4,26	10,14	12,25	1,26	3,15	4,06	4,03
	9	9	24	-	-	2,41	2,41	6,49	-	-	4,75	11,32	13,70	1,41	3,54	4,57	4,66
	9	12	12	-	-	2,63	3,23	3,23	-	-	3,82	9,09	10,97	1,12	2,79	3,58	3,48
	9	12	18	-	-	2,47	3,04	5,04	-	-	4,43	10,55	12,76	1,30	3,25	4,18	4,17
	9	12	24	-	-	2,38	2,93	6,42	-	-	4,93	11,74	14,22	1,49	3,73	4,82	4,81
	9	18	18	-	-	2,37	4,82	4,82	-	-	5,05	12,02	14,56	1,55	3,88	5,02	5,08
	12	12	12	-	-	3,17	3,17	3,17	-	-	3,99	9,51	11,48	1,16	2,91	3,74	3,63
	12	12	18	-	-	3,00	3,00	4,97	-	-	4,61	10,97	13,28	1,37	3,43	4,43	4,33
	12	12	24	-	-	2,90	2,90	6,34	-	-	5,10	12,14	14,62	1,57	3,91	5,04	5,10
	12	18	18	-	-	2,87	4,75	4,75	-	-	5,20	12,37	14,74	1,62	4,04	5,15	5,19
1x4	9	9	9	9	-	2,66	2,66	2,66	2,66	-	4,46	10,62	12,03	1,23	3,08	3,76	4,03
	9	9	9	12	-	2,61	2,61	2,61	3,21	-	4,63	11,03	12,45	1,35	3,37	4,12	4,23
	9	9	9	18	-	2,47	2,47	2,47	5,04	-	5,23	12,45	13,92	1,53	3,82	4,62	4,96
	9	9	9	24	-	2,34	2,34	2,34	6,29	-	5,59	13,30	14,56	1,64	4,11	4,87	5,30
	9	9	12	12	-	2,56	2,56	3,15	3,15	-	4,80	11,44	12,87	1,45	3,62	4,42	4,41
	9	9	12	18	-	2,42	2,42	2,98	4,93	-	5,36	12,75	14,15	1,56	3,89	4,67	5,01
	9	9	12	24	-	2,30	2,30	2,83	6,18	-	5,71	13,61	14,79	1,68	4,20	4,95	5,37
	9	12	12	12	-	2,52	3,11	3,11	3,11	-	4,97	11,84	13,29	1,45	3,63	4,42	4,66
	9	12	12	18	-	2,37	2,92	2,92	4,84	-	5,48	13,05	14,37	1,61	4,02	4,79	5,23
	12	12	12	12	-	3,06	3,06	3,06	3,06	-	5,14	12,25	13,71	1,50	3,76	4,55	4,89
	12	12	12	18	-	2,87	2,87	2,87	4,75	-	5,61	13,35	14,60	1,65	4,12	4,88	5,30
	1x5	9	9	9	9	9	2,46	2,46	2,46	2,46	2,46	5,17	12,31	15,40	1,35	3,37	4,74
9		9	9	9	12	2,44	2,44	2,44	2,44	3,00	5,36	12,77	15,42	1,39	3,48	4,72	5,12
9		9	9	9	18	2,38	2,38	2,38	2,38	4,85	6,04	14,38	15,48	1,55	3,89	4,69	5,11
9		9	9	12	12	2,42	2,42	2,42	2,98	2,98	5,56	13,23	15,44	1,44	3,60	4,71	5,06
9		9	9	12	18	2,37	2,37	2,37	2,91	4,83	6,23	14,84	15,50	1,60	3,99	4,67	5,05
9		9	12	12	12	2,41	2,41	2,96	2,96	2,96	5,75	13,69	15,46	1,48	3,71	4,70	5,07
9		12	12	12	12	2,39	2,94	2,94	2,94	2,94	5,94	14,15	15,47	1,53	3,82	4,69	5,05
9		12	12	12	18	2,30	2,86	2,86	2,86	4,07	6,28	14,95	15,60	1,62	4,04	4,73	5,07
12		12	12	12	12	2,98	2,98	2,98	2,98	2,98	6,26	14,90	15,60	1,60	4,01	4,70	5,07







PROFESSIONAL SOLUTIONS FROM PROFESSIONALS

LIGHT COMMERCIAL COMFORT SOLUTIONS

Carrier light commercial solutions are designed to meet the requirements of a variety of building types and applications.

ENERGY EFFICIENCY

The inverter technology the systems use offers considerable advantages in terms of energy savings. The variable capacity management of the compressor allows the system to maintain room temperature control and to ensure minimum energy usage.

EXTENDED RANGE OF SOLUTIONS

Carrier Light Commercial systems, with state-of-the-art technologies, flexible controls, variety of indoor units, wide range of capacities and improved installation, bring comfort and convenience to any light commercial installation.

OPERATIONS & MAINTENANCE

With superior quality and performance, the decision to partner with Carrier for light commercial solutions is an easy one. Our independent partners make installing and maintaining those solutions for optimal performance simple as well.



SETTING THE STANDARD FOR PERFORMANCE, ENERGY EFFICIENCY AND SUSTAINABILITY

SINGLE SPLIT SYSTEMS



INVERTER CONSOLE XPOWER 42QZA/38QUS

Ultimate
comfort



CHARACTERISTICS

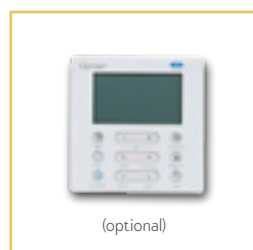
All units can be mounted on walls.

3D motorised louvers allow air distribution direction according to individual preferences.

Advanced slimline coil.

Easy installation and maintenance: all internal components can be easily accessed by removing the grille.

Choice of wireless (standard) or wired controls (optional).



(optional)



TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QZA009DS-1	42QZA012DS-1	42QZA018DS-1
OUTDOOR UNIT		38QUS009DS-1	38QUS012DS-1	38QUS018DS-1
Cooling capacity	kW	2.64 (0.9~3.2)	3.52 (1.0~3.5)	4.40 (2.0~4.6)
Heating capacity	kW	2.90 (0.8~3.7)	3.70 (1.0~4.0)	5.40 (2.0~5.5)
Heating capacity at -7°C	kW	2,7	2,8	3,3
Heating capacity at -10°C	kW	2,4	2,6	3,3
Heating capacity at -15°C	kW	2,1	2,4	2,2
SEER/SCOP (average)/SCOP (warmer)	W/W	6.1 / 4.0 / 5.1	5.9 / 4.0 / 4.7	6.0 / 4.0 / 5.1
Energy label		A++ / A+ / A+++	A+ / A+ / A++	A+ / A+ / A+++
Yearly energy consumption	kWh	151/805/686	207/1016/1072	293/1365/1345
EER/COP	W/W	3.1/3.4	3.0/3.5	2.8/3.1
Standard current (cooling)	A	3,9	5	8,1
Standard input (cooling)	W	840	1140	1800
Standard current (heating)	A	3,8	4,7	7,5
Standard input (heating)	W	860	1060	1700

INDOOR UNIT		42QZA009DS-1	42QZA012DS-1	42QZA018DS-1
Sound power level	dB(A)	60	60	60
Sound pressure level (high/med/low)	dB(A)	43/39/34	45/43/38	46/44/42
Air flow (high/med/low)	m³/h	460/400/360	530/480/360	530/470/430
Weight (net/gross)	kg	13.5/18.0	15.0/19.5	15.0/19.5
Dimensions (WxDxH)	mm	700x600x210	700x600x210	700x600x210

OUTDOOR UNIT		38QUS009DS-1	38QUS012DS-1	38QUS018DS-1
Temp range cooling	°C	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24
Voltage/Hz/Ph		220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph
Refrigerant amount	kg	0,72	1,05	1,7
Liquid side/Gas side	inch	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"
Standard piping length	m	5	5	5
Min piping length	m	3	3	3
Max piping length	m	25	25	30
Max difference	m	10	10	20
Additional charge	g/m	15	15	15
Sound power level	dB(A)	64	65	65
Sound pressure level	dB(A)	54	56	57
Air flow	m³/h	1900	2100	2100
Weight (net/gross)	kg	26.0/29.0	28.5 / 31.5	38.0/40.5
Dimensions (WxDxH)	mm	770x300x555	800x333x554	800x333x554

Note

* Sound data @ cooling mode

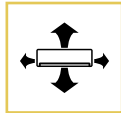
* -7°C/-10°C/-15°C heating @ free frequency





INVERTER CONSOLE/ UNDER-CEILING XPOWER 42QZL/38QUS

Slim and stylish with
high performance



CHARACTERISTICS

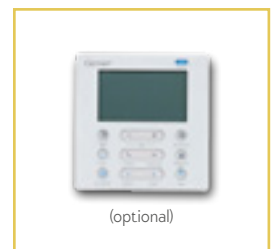
All units can be mounted on walls or under the ceiling.

3D motorised louvers allow air distribution direction according to individual preferences.

Advanced slimline coil.

Easy installation and maintenance: all internal components can be easily accessed by removing the grille.

Choice of wireless (standard) or wired controls (optional).



SIGNLE PHASE

INDOOR UNIT		42QZL018DS-1	42QZL024DS-1	42QZL030DS-1	42QZL036DS-1	42QZL048DS-1
OUTDOOR UNIT		38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Cooling capacity	kW	5.00 (2.0~5.5)	7.03 (2.5~8.0)	8.40 (2.1~10.5)	10.4 (4.4~11.0)	13.6 (4.8~14.0)
Heating capacity	kW	5.50 (2.0~6.0)	7.30 (2.5~8.5)	9.00 (2.1~10.8)	11.9 (3.7~13.8)	15.5 (5.4~16.0)
Heating capacity at -7°C	kW	4,3	5,3	6,5	9,8	11,3
Heating capacity at -10°C	kW	3,9	5,5	6,2	8,4	10,8
Heating capacity at -15°C	kW	3,2	4,9	5,7	8,2	9,4
SEER/SCOP (average)/SCOP (warmer)	W/W	5.9 / 4.1 / 5.1	5.8 / 4.0 / 4.6	6.3 / 4.0 / 5.2	6.3 / 4.0 / 5.1	5.9 / 4.0 / 5.3
Energy label		A+ / A+ / A+++	A+ / A+ / A++	A++ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A+++
Yearly energy consumption	kWh	298/1470/1466	424/1820/2373	469/2769/2108	576/3561/2922	810/3718/3167
EER/COP	W/W	2.8/4.0	2.9/3.3	2.8/3.6	2.6/3.7	2.4/2.9
Standard current (cooling)	A	7,8	11	13,5	17,1	24,4
Standard input (cooling)	W	1720	2430	2970	3970	5620
Standard current (heating)	A	6,1	9,6	11,3	14	23,4
Standard input (heating)	W	1360	2180	2480	3200	5300

INDOOR UNIT		42QZL018DS-1	42QZL024DS-1	42QZL030DS-1	42QZL036DS-1	42QZL048DS-1
Sound power level	dB(A)	58	65	65	65	69
Sound pressure level (high/med/low)	dB(A)	45/42/39	50/47/41	54/49/44	55/51/46	55/51/46
Air flow (high/med/low)	m³/h	900/790/670	1150/1040/790	1650/1450/1250	2000/1700/1350	2100/1700/1500
Weight (net/gross)	kg	27.0/32.0	27.0/32.0	31/36.5	38/44	38.2/44.6
Dimensions (WxDxH)	mm	1068x675x235	1068x675x235	1285x675x235	1650x675x235	1650x675x235

OUTDOOR UNIT		38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Temp range cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24
Voltage/Hz/Ph		220-240V / 50Hz / 1Ph				
Refrigerant amount	kg	1,7	2	2,8	3,2	4
Liquid side/Gas side	inn	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5
Min piping length	m	3	3	3	3	3
Max piping length	m	30	20	20	20	20
Max difference	m	20	8	8	8	8
Additional charge	g/m	15	15	15	15	15
Sound power level	dB(A)	65	69	70	70	75
Sound pressure level	dB(A)	57	61	62	64	64
Air flow	m³/h	2100	2700	4300	4150	6800
Weight (net/gross)	kg	38.0/40.5	50/54.5	62.9/68.5	67.2/72.9	95.1/108.4
Dimensions (WxDxH)	mm	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333

Note

* Sound data @ cooling mode

*-7°C/-10°C/-15°C heating @ free frequency

THREE PHASE

INDOOR UNIT		42QZL036DS-1	42QZL048DS-1	42QZL060DS-1
OUTDOOR UNIT		38QUS036DT-1	38QUS048DT-1	38QUS060DT-1
Cooling capacity	kW	10.4 (4.0~11.4)	13.6 (4.8~14.0)	15.5 (5.4~16.0)
Heating capacity	kW	11.9 (2.9~14.5)	15.5 (5.4~16.0)	17.5 (4.3~18.5)
Heating capacity at -7°C	kW	9,7	11,1	11,5
Heating capacity at -10°C	kW	8,3	10,5	11,1
Heating capacity at -15°C	kW	8,2	8,6	9,9
SEER/SCOP (average)/SCOP (warmer)	W/W	6.3 / 4.0 / 5.1	5.8 / 4.0 / 5.3	5.8 / 4.1 / 5.1
Energy label		A++ / A+ / A+++	A+ / A+ / A+++	A+ / A+ / A+++
Yearly energy consumption	kWh	575/3599/2874	815/3954/3179	938/4011/3173
EER/COP	W/W	2.8/3.7	2.4/3.0	2.5/3.1
Standard current (cooling)	A	6	9,3	10,5
Standard input (cooling)	W	3680	5620	6150
Standard current (heating)	A	5,3	8,6	9,4
Standard input (heating)	W	3200	5130	5600

INDOOR UNIT		42QZL036DS-1	42QZL048DS-1	42QZL060DS-1
Sound power level	dB(A)	65	69	73
Sound pressure level (high/med/low)	dB(A)	55/51/46	55/51/46	56/51/47
Air flow (high/med/low)	m ³ /h	2000/1700/1350	2100/1700/1500	2250/1900/1500
Weight (net/gross)	kg	38/44	38.2/44.6	40.5/47
Dimensions (WxDxH)	mm	1650x675x235	1650x675x235	1650x675x235

OUTDOOR UNIT		38QUS036DT-1	38QUS048DT-1	38QUS060DT-1
Temp range cooling	°C	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24
Voltage/Hz/Ph		380~415V / 50Hz / 3Ph		
Refrigerant amount	kg	3,65	4	4,3
Liquid side/Gas side	inn	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5
Min piping length	m	3	3	3
Max piping length	m	20	20	20
Max difference	m	8	8	8
Additional charge	g/m	15	15	15
Sound power level	dB(A)	70	75	77
Sound pressure level	dB(A)	64	64	64
Air flow	m ³ /h	4150	6800	7000
Weight (net/gross)	kg	85.3/91	108.1/121.2	112.8/126
Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333

Note

* Sound data @ cooling mode

* -7°C/-10°C/-15°C heating @ free frequency



INVERTER CASSETTE XPOWER 42QTD/38QUS

The ideal solution
for any commercial
application



CHARACTERISTICS

Compact design.

Allows 360° airflow for optimum air distribution in the room.

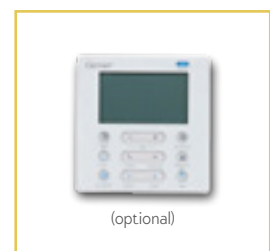
Standard dimensions compatible with all suspended ceiling systems.

Fresh air intake and additional outlet grille that allows the air conditioning of an adjoining room.

Easy accessibility to the key components on the unit simply by opening the grille or removing the front panel.

Built in drain pump that can lift the condensate water up to 750mm.

Choice of wired (optional) or wireless controls (standard).



SIGNLE PHASE

INDOOR UNIT		42QTD009DS-1	42QTD012DS-1	42QTD018DS-1	42QTD024DS-1	42QTD030DS-1	42QTD036DS-1	42QTD048DS-1
OUTDOOR UNIT		38QUS009DS-1	38QUS012DS-1	38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Cooling capacity	kW	2.64 (0.9~3.7)	3.52 (1.4~3.9)	5.00 (2.0~5.5)	7.03 (2.5~8.0)	8.40 (2.1~10.5)	10.2 (4.5~11.0)	13.4 (4.8~14.0)
Heating capacity	kW	3.00 (0.8~3.8)	4.00 (1.2~4.2)	5.50 (2.0~6.0)	7.03 (2.5~8.5)	9.10 (2.1~10.5)	11.3 (3.7~13.7)	15.5 (5.4~16.0)
Heating capacity at -7°C	kW	2,7	2,7	3,9	5,4	6,6	9,7	10,4
Heating capacity at -10°C	kW	2,6	2,7	3,9	5	6,1	8,3	9,9
Heating capacity at -15°C	kW	2,2	2,4	2,2	3,7	5,5	8,2	8,4
SEER/SCOP (average)/SCOP (warmer)	W/W	6.2 / 4.0 / 5.1	6.2 / 4.1 / 5.1	6.0 / 4.0 / 5.1	6.1 / 4.0 / 4.8	6.4 / 4.0 / 5.2	6.0 / 4.0 / 5.0	5.5 / 4.0 / 5.0
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A+++	A++ / A+ / A++	A++ / A+ / A+++	A+ / A+ / A++	A / A+ / A++
Yearly energy consumption	kWh	149/837/714	199/1002/960	293/1365/1345	403/1937/2277	459/2453/1950	588/3244/2894	852/3756/3323
EER/COP	W/W	3.5/3.7	3.1/3.6	2.8/3.1	3.0/3.2	3.0/3.8	2.7/3.4	2.4/2.9
Standard current (cooling)	A	3,4	5	8,1	10,5	12,4	16,6	24,1
Standard input (cooling)	W	740	1140	1800	2400	2780	3750	5530
Standard current (heating)	A	3,6	4,7	7,5	9,6	10,6	15,2	23,1
Standard input (heating)	W	820	1080	1700	2180	2300	3300	5300

INDOOR UNIT		42QTD009DS-1	42QTD012DS-1	42QTD018DS-1	42QTD024DS-1	42QTD030DS-1	42QTD036DS-1	42QTD048DS-1
Sound power level	dB(A)	58	59	60	61	65	65	67
Sound pressure level (high/med/low)	dB(A)	42/39/36	42/39/36	45/42/36	49/46/43	50/48/44	53/51/48	51/49/47
Air flow (high/med/low)	m³/h	560/430/390	560/430/390	650/530/370	1350/1200/1070	1390/1110/750	1800/1600/1400	1900/1600/1330
Weight (net/gross) (Body)	kg	15.0/18.0	16.5/19.0	16.5/19.0	24.5/30.0	26.5/30.5	27.5/31.5	28/32.1
Weight (net/gross) (Panel)	kg	2.5/4.5	2.5/4.5	2.5/4.5	5 / 8	5 / 8	5 / 8	5 / 8
Dimensions (WxDxH) (Body)	mm	570x570x260	570x570x260	570x570x260	840x840x245	840x840x245	840x840x245	840x840x287
Dimensions (WxDxH) (Panel)	mm	647x647x50	647x647x50	647x647x50	950x950x55	950x950x55	950x950x55	950x950x55

OUTDOOR UNIT		38QUS009DS-1	38QUS012DS-1	38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Temp range cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Voltage/Hz/Ph		220-240V / 50Hz / 1Ph						
Refrigerant amount	kg	0,72	1,05	1,7	2,05	2,8	3,2	4
Liquid side/Gas side	inn	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5	5	5
Min piping length	m	3	3	3	3	3	3	3
Max piping length	m	25	25	30	40	50	20	20
Max difference	m	10	10	20	20	25	8	8
Additional charge	g/m	15	15	15	30	30	15	15
Sound power level	dB(A)	64	65	65	69	70	70	75
Sound pressure level	dB(A)	54	56	57	61	62	64	64
Air flow	m³/h	1900	2100	2100	2700	4300	4150	6800
Weight (net/gross)	kg	26.0/29.0	28.5 / 31.5	38.0/40.5	50/54.5	62.9/68.5	67.2/72.9	95.1/108.4
Dimensions (WxDxH)	mm	770x300x555	800x333x554	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333

Note
 * Sound data @ cooling mode
 *-7°C/-10°C/-15°C heating @ free frequency

THREE PHASE

INDOOR UNIT		42QTD036DS-1	42QTD048DS-1	42QTD060DS-1
OUTDOOR UNIT		38QUS036DT-1	38QUS048DT-1	38QUS060DT-1
Cooling capacity	kW	10.2 (3.8~11.5)	13.4 (4.8~14.0)	15.1 (5.0~16.0)
Heating capacity	kW	11.3 (2.9~13.8)	15.5 (5.4~16.0)	18.0 (3.9~18.2)
Heating capacity at -7°C	kW	9,6	10,5	12,2
Heating capacity at -10°C	kW	8,2	10	11,9
Heating capacity at -15°C	kW	8,1	8,5	9,8
SEER/SCOP (average)/SCOP (warmer)	W/W	5.9 / 4.0 / 5.0	5.6 / 4.0 / 5.1	5.7 / 4.0 / 5.2
Energy label		A+ / A+ / A++	A+ / A+ / A+++	A+ / A+ / A+++
Yearly energy consumption	kWh	610/3360/2885	834/3847/3231	929/3916/3225
EER/COP	W/W	2.6/3.4	2.5/3.0	2.4/3.1
Standard current (cooling)	A	6	8,9	10,6
Standard input (cooling)	W	3890	5310	6240
Standard current (heating)	A	5,3	8,5	9,5
Standard input (heating)	W	3300	5130	5760

INDOOR UNIT		42QTD036DS-1	42QTD048DS-1	42QTD060DS-1
Sound power level	dB(A)	65	67	70
Sound pressure level (high/med/low)	dB(A)	53/51/48	51/49/47	54/52/49
Air flow (high/med/low)	m³/h	1800/1600/1400	1900/1600/1330	2000/1780/1580
Weight (net/gross) (Body)	kg	27.5/31.5	28/32.1	31/34
Weight (net/gross) (Panel)	kg	5 / 8	5 / 8	5 / 8
Dimensions (WxDxH) (Body)	mm	840x840x245	840x840x287	840x840x287
Dimensions (WxDxH) (Panel)	mm	950x950x55	950x950x55	950x950x55

OUTDOOR UNIT		38QUS036DT-1	38QUS048DT-1	38QUS060DT-1
Temp range cooling	°C	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24
Voltage/Hz/Ph		380~415V / 50Hz / 3Ph		
Refrigerant amount	kg	3,65	4	4,3
Liquid side/Gas side	inn	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5
Min piping length	m	3	3	3
Max piping length	m	20	20	50
Max difference	m	8	8	25
Additional charge	g/m	15	15	30
Sound power level	dB(A)	70	75	77
Sound pressure level	dB(A)	64	64	64
Air flow	m³/h	4150	6800	7000
Weight (net/gross)	kg	85.3/91	108.1/121.2	112.8/126
Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333

Note

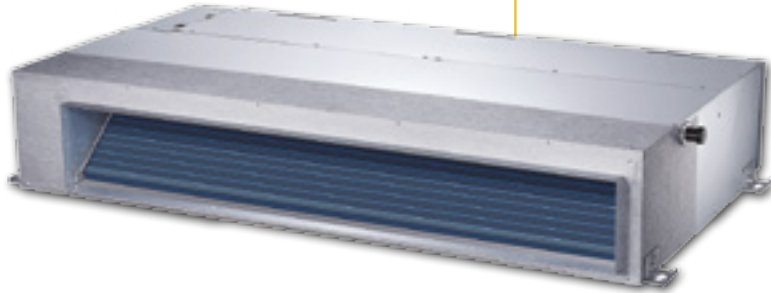
* Sound data @ cooling mode

* -7°C/-10°C/-15°C heating @ free frequency



INVERTER DUCTED XPOWER 42QSS/38QUS

Compact and versatile is the ideal choice for new or refurbished buildings



CHARACTERISTICS

The industry Lowest height designed to be fitted in tight ceilings.

The maximum static pressure reaches 160 Pa.

Constant air volume control.

Built-in drain pump can lift the water up to 750mm height, which widens the drainage piping range (optional).

Ducted uses two wires without polarity connection way, which almost has no mistake during the installation.

Easy Clean, it is easy to draw out the filter from the indoor unit for cleaning.



SIGNLE PHASE

INDOOR UNIT		42QSS012DS-1	42QSS018DS-1	42QSS024DS-1	42QSS030DS-1	42QSS036DS-1	42QSS048DS-1
OUTDOOR UNIT		38QUS012DS-1	38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Cooling capacity	kW	3.52 (1.4~3.9)	5.00 (2.0~5.5)	7.03 (2.5~7.7)	8.70 (2.1~10.5)	10.2 (3.7~11.0)	13.7 (5.1~14.4)
Heating capacity	kW	3.80 (1.2~4.2)	5.40 (2.0~6.0)	7.40 (2.4~8.7)	9.30 (2.1~10.8)	12.7 (3.0~14.0)	15.4 (4.4~16.4)
Heating capacity at -7°C	kW	2,5	4	5,3	7	10,3	10,8
Heating capacity at -10°C	kW	2,2	3,6	4,7	6,6	9,6	10,3
Heating capacity at -15°C	kW	2	2,5	3,5	6	8,3	8,9
SEER/SCOP (average)/SCOP (warmer)	W/W	6.1 / 4.0 / 5.1	6.3 / 4.0 / 5.1	6.1 / 4.0 / 5.1	6.5 / 4.0 / 4.8	6.2 / 4.0 / 5.1	5.8 / 4.0 / 4.9
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A++
Yearly energy consumption	kWh	202/985/941	277/1468/1465	401/1820/2058	469/2532/2040	574/3598/2888	826/3597/3337
EER/COP	W/W	2.8/3.2	2.8/3.6	3.1/3.4	3.0/3.7	2.6/3.7	2.7/3.5
Standard current (cooling)	A	5,5	7,7	9,7	13,1	17,4	22,3
Standard input (cooling)	W	1250	1680	2300	2860	3890	5070
Standard current (heating)	A	5,2	6,6	9,5	11,6	15,7	19,5
Standard input (heating)	W	1190	1500	2150	2490	3410	4400

INDOOR UNIT		42QSS012DS-1	42QSS018DS-1	42QSS024DS-1	42QSS030DS-1	42QSS036DS-1	42QSS048DS-1
Sound power level	dB(A)	60	60	61	65	65	71
Sound pressure level (high/med/low)	dB(A)	42/38/35	42/40/38	43/40/38	47/45/42	47/45/42	53/51/49
Air flow (high/med/low)	m ³ /h	540/500/370	790/660/490	1120/900/420	1900/1560/1205	1900/1550/1200	2400/2050/1750
Weight (net/gross)	kg	18.5/23.0	23.0/29.0	30.2/37.3	40.5/48.5	40.5/48.5	46/55
Dimensions (WxDxH)	mm	700x635x210	880x674x210	1100x774x249	1360x774x249	1360x774x249	1200x874x300

OUTDOOR UNIT		38QUS012DS-1	38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1
Temp range cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
Voltage/Hz/Ph		220-240V / 50Hz / 1Ph					
Refrigerant amount	kg	0,65	1,7	2	2,8	3,2	4
Liquid side/Gas side	inn	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5	5
Min piping length	m	3	3	3	3	3	3
Max piping length	m	20	30	20	20	20	20
Max difference	m	8	20	8	8	8	8
Additional charge	g/m	15	15	15	15	15	15
Sound power level	dB(A)	65	65	69	70	70	75
Sound pressure level	dB(A)	56	57	61	62	64	64
Air flow	m ³ /h	2100	2100	2700	4300	4150	6800
Weight (net/gross)	kg	28.5 / 31.5	38.0/40.5	50/54.5	62.9/68.5	67.2/72.9	95.1/108.4
Dimensions (WxDxH)	mm	800x333x554	800x333x554	845x363x702	946x410x810	946x410x810	952x415x1333

Note

* Sound data @ cooling mode

* -7°C/-10°C/-15°C heating @ free frequency

THREE PHASE

INDOOR UNIT		42QSS036DS-1	42QSS048DS-1	42QSS060DS-1
OUTDOOR UNIT		38QUS036DT-1	38QUS048DT-1	38QUS060DT-1
Cooling capacity	kW	10.2 (3.6~11.0)	13.7 (4.9~14.2)	15.4 (5.2~16.0)
Heating capacity	kW	12.7 (2.7~13.5)	15.4 (4.7~16.9)	17.6 (4.8~18.8)
Heating capacity at -7°C	kW	9,9	11,6	12,6
Heating capacity at -10°C	kW	9,1	10,7	11,8
Heating capacity at -15°C	kW	8,1	9,1	10,2
SEER/SCOP (average)/SCOP (warmer)	W/W	6.2 / 4.0 / 5.0	5.9 / 4.0 / 5.4	5.5 / 4.0 / 5.1
Energy label		A++ / A+ / A++	A+ / A+ / A+++	A / A+ / A+++
Yearly energy consumption	kWh	577/3481/2912	813/4030/3206	963/4196/3328
EER/COP	W/W	2.6/3.7	2.6/3.7	2.3/3.4
Standard current (cooling)	A	6,2	8,4	11
Standard input (cooling)	W	3890	5230	6630
Standard current (heating)	A	5,3	6,9	8,6
Standard input (heating)	W	3390	4240	5140

INDOOR UNIT		42QSS036DS-1	42QSS048DS-1	42QSS060DS-1
Sound power level	dB(A)	65	71	76
Sound pressure level (high/med/low)	dB(A)	47/45/43	53/51/49	58/56/54
Air flow (high/med/low)	m ³ /h	1900/1550/1200	2400/2050/1750	2500/2100/1800
Weight (net/gross)	kg	40.5/48.5	46/55	46/55
Dimensions (WxDxH)	mm	1360x774x249	1200x874x300	1200x874x300

OUTDOOR UNIT		38QUS036DT-1	38QUS048DT-1	38QUS060DT-1
Temp range cooling	°C	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24
Voltage/Hz/Ph		380~415V / 50Hz / 3Ph		
Refrigerant amount	kg	3,65	4	4,3
Liquid side/Gas side	inn	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5
Min piping length	m	3	3	3
Max piping length	m	20	20	20
Max difference	m	8	8	8
Additional charge	g/m	15	15	15
Sound power level	dB(A)	70	75	77
Sound pressure level	dB(A)	64	64	64
Air flow	m ³ /h	4150	6800	7000
Weight (net/gross)	kg	85.3/91	108.1/121.2	112.8/126
Dimensions (WxDxH)	mm	946x410x810	952x415x1333	952x415x1333

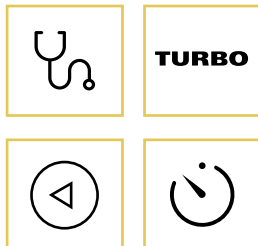
Note

* Sound data @ cooling mode

* -7°C/-10°C/-15°C heating @ free frequency

INVERTER STANDING XPOWER 42QFJ/38QUS

Elegant appearance
and ultimate comfort
with energy efficiency



CHARACTERISTICS

Efficient air management system.

Smart LCD display that shows control functions and error codes in case of a malfunction.

Long lasting washable filter for clean air.

Smart self-diagnostic function and refrigerant leak detection.

Turbo function in order to reach the desired temperature quickly.

Auto restart with the previous operations settings in case of power failure.

Auto mode that allows changing automatically the operation mode and the capacity according to temperature difference between room and set point.

Independent dehumidification mode.

Programmable timer for energy savings.

Easy installation, maintenance and service.

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QFJ048DS-1	42QFJ060DS-1
OUTDOOR UNIT		38QUS048DT-2	38QUS060DT-1
Nominal	Btuh	48000	60000
Nominal cooling capacity	kW	14,00	15,40
SEER		5,8	6,0
Energy efficiency class		A+	A+
Nominal heating capacity	kW	14,60	17,00
SCOP		4,0	4,0
Energy efficiency class		A+	A+

INDOOR UNIT		42QFJ048DS-1	42QFJ060DS-1
Indoor air flow (Hi/Med/Lo) (No duct)	m ³ /h	2529/1962/1735	2529/1962/1735
Indoor sound pressure level (Hi)	dB(A)	57.5/54/49	57.5/54/49
Indoor sound power level (Hi)	dB(A)	70	70
Dimension (WxDxH)	mm	610x390x1925	610x390x1925
Weight	kg	60.8	60.8

OUTDOOR UNIT		38QUS048DT-2	38QUS060DT-1
Rated input	W	7500	7500
Rated current	A	14	14
Outdoor sound pressure level	dB(A)	64	64
Outdoor sound power level	dB(A)	77	77
Dimension(WxDxH)	mm	952x415x1333	952x415x1333
Weight	kg	126.6	126.6
Refrigerant		R410A	R410A
Max. pipe length	m	50	50
Max. difference in level	m	25	25
Operating range (cooling/heating)	°C	-15-50 / -15-24	-15-50 / -15-24
Power supply	Ph-V-Hz	380-415-3-50	380-415-3-50

Note:

Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.

Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.

WxDxH = Width x Depth x Height



ENCASED INDOOR FAN COILS FX4CS/38EYX

Suitable for
all light commercial
applications



CHARACTERISTICS

Installation flexibility: the indoor unit can be installed in three air flow positions (upwards, downwards or horizontal).

Refrigerant circuit service valves with easily accessible pressure test ports for start-up and maintenance.

Heat pump cycle with four position valve and electronic control system for optimized defrosting.

High and low pressure safety switched fitted as standard.

Outdoor unit compressors are hermetically sealed against contamination and pollutants to ensure long life and reliability.

Wide operation range.

Coastal CDU.

TECHNICAL SPECIFICATIONS

MODEL IDU		FX4CSX048000	FX4CSX060000
MODEL CDU		38EYX048-X-9	38EYX060-X-9
Nominal	BTU	48.000	60.000
Cooling capacity	kW	13,66	16,73
Power consumption	kW	4,36	5,87
EER	W/W	3,13	2,85
Heating capacity	kW	14,48	17,07
Power consumption	kW	3,82	5,04
COP	W/W	3,79	3,39

INDOOR UNIT		FX4CSX048000	FX4CSX060000
Nominal air flow (H)	l/s	750	825
Dehumidification	l/h	7	8,2
Nominal static pressure	Pa	125	125
Sound pressure level	dB(A)	77	80
Sound power level	dB(A)	61	64
Dimensions (WxDxH)	mm	537x560x1261	537x560x1357
Weight (Net)	kg	72	80

OUTDOOR UNI		38EYX048-X-9	38EYX060-X-9
Compressor type		Scroll	Scroll
Air flow (cooling)	m ³ /h	5098	4248
Sound pressure level (cooling)	dB(A)	72	74
Sound power level (cooling)	dB(A)	52	54
Maximum running current (cooling)	A	12	14
Operating range (cooling/heating)	°C	13~52 / -34~19	
Dimensions (WxDxH)	mm	762x762x1015	762x762x862
Weight (Net)	kg	99,3	111,6
Chargeless pipe length	m	4,5	
Max. piping length	m	50	
Max. height difference	m	45	
Flare connections (Liquid side-Gas side)	inn	3/8-7/8	
Power supply	V-Ph-Hz	400-3-50	

Note:

Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35°C (DB) / 24°C (WB) outdoor air temperature.

Heating Capacities are based on 20°C (DB) / 15°C (WB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.

WxDxH = Width x Depth x Height



ABOUT AHI CARRIER FZC

AHI is part of Darwish Bin Ahmed Group, U.A.E. founded in 1964. DBA Group is engaged in the following “core” business activities through a large, diversified investment and property portfolio, wholly owned companies, partnerships, agency agreements and joint ventures.

Civil Engineering
Real Estate & Hospitality
International Representation of Major Manufacturers
Business Investments
Joint Venture with Carrier Corporation

AHI Carrier formerly known as Air-conditioning & Heating International (AHI) became a Carrier Joint Venture Company on December 18th, 2008. The partnership between Carrier and AHI dates back to December 1997 when the first agreement was signed for distribution of Carrier products in Russia and all of CIS countries (12 countries).

In 1999, Carrier & Toshiba Air-conditioning entered into a Joint Venture and as a consequence the Toshiba range of air-conditioning products was added for distribution in AHI FZC territories.

Success came early and in 2000 Carrier rewarded us by expanding our distribution rights to East and Central Africa (15 countries).

Since the creation of “AHI Carrier” Joint Venture, more countries have been added to include Middle East, Central and South Eastern Europe, Australia, New Zealand and South Africa (42 countries).

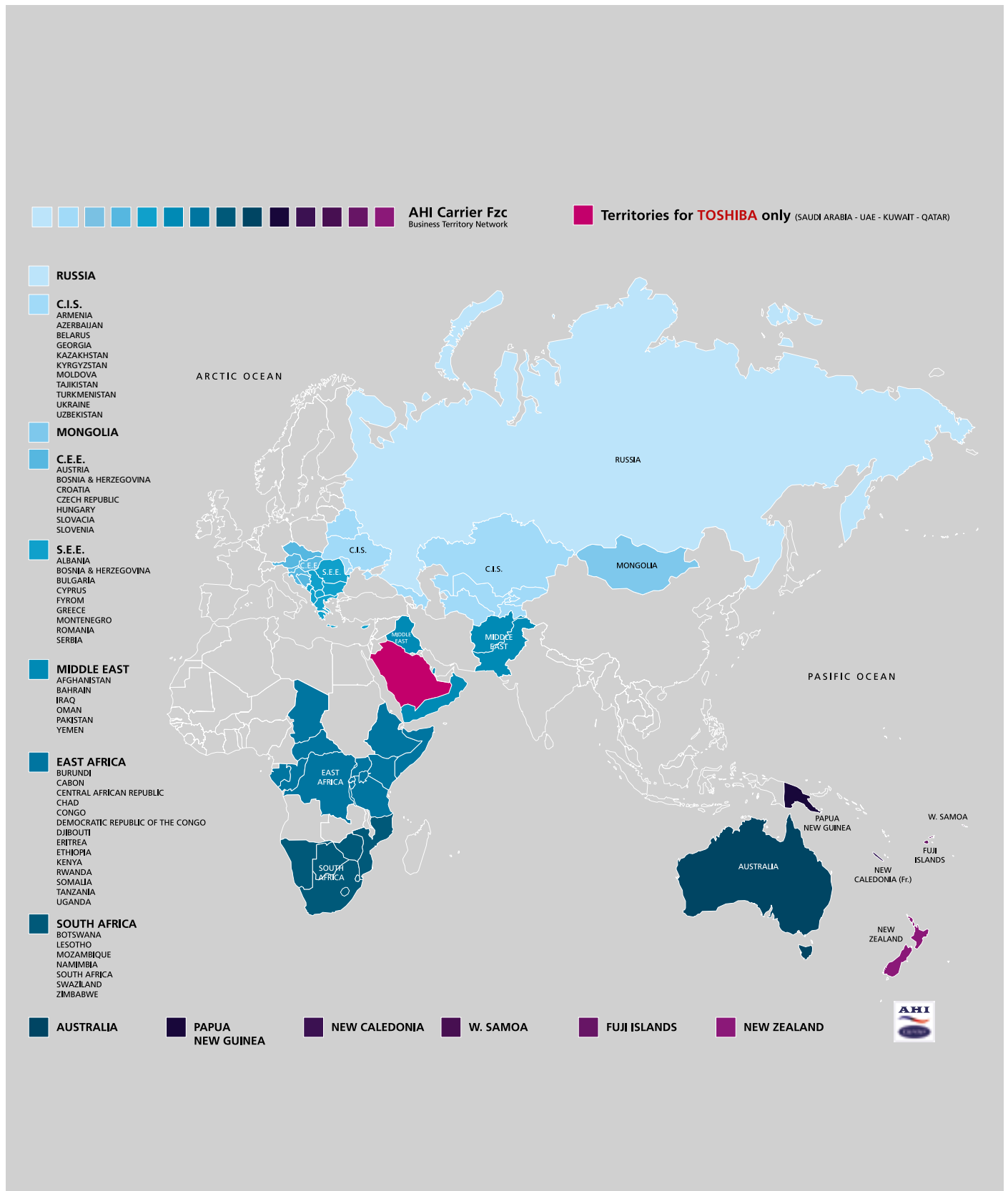
AHI Carrier keeps a flexible and aggressive forward sales structure (sales offices & dealer network) and builds sales support functions in a centralized back office (Sharjah, U.A.E). The strategy focuses on economies of scale and allows AHI Carrier to quickly respond to opportunities in the sales area, parallelly building a competitive system of product specification and technical support, logistics coordination, finance & M.I.S.

The most critical factor contributing AHI’s successful track record of profitable growth has been its commitment to service - and this commitment will become increasingly important in the future.



**THE LARGEST CARRIER JOINT VENTURE HVAC
DISTRIBUTION COMPANY OUTSIDE USA**

AHI CARRIER FZC BUSINESS TERRITORY NETWORK





United Technologies
turn to the experts 

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