



CARRIER
RESIDENTIAL
ANDLIGHT
COMMERCIAL
PRODUCTS
2012



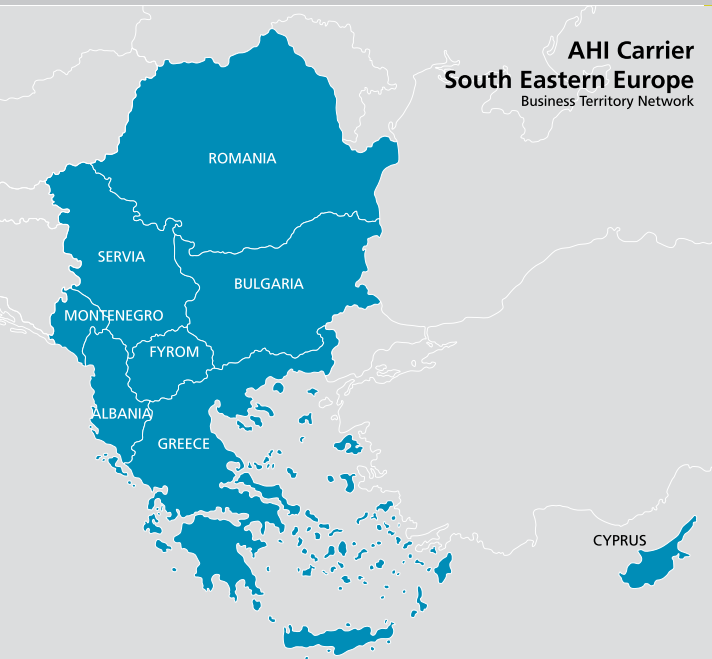
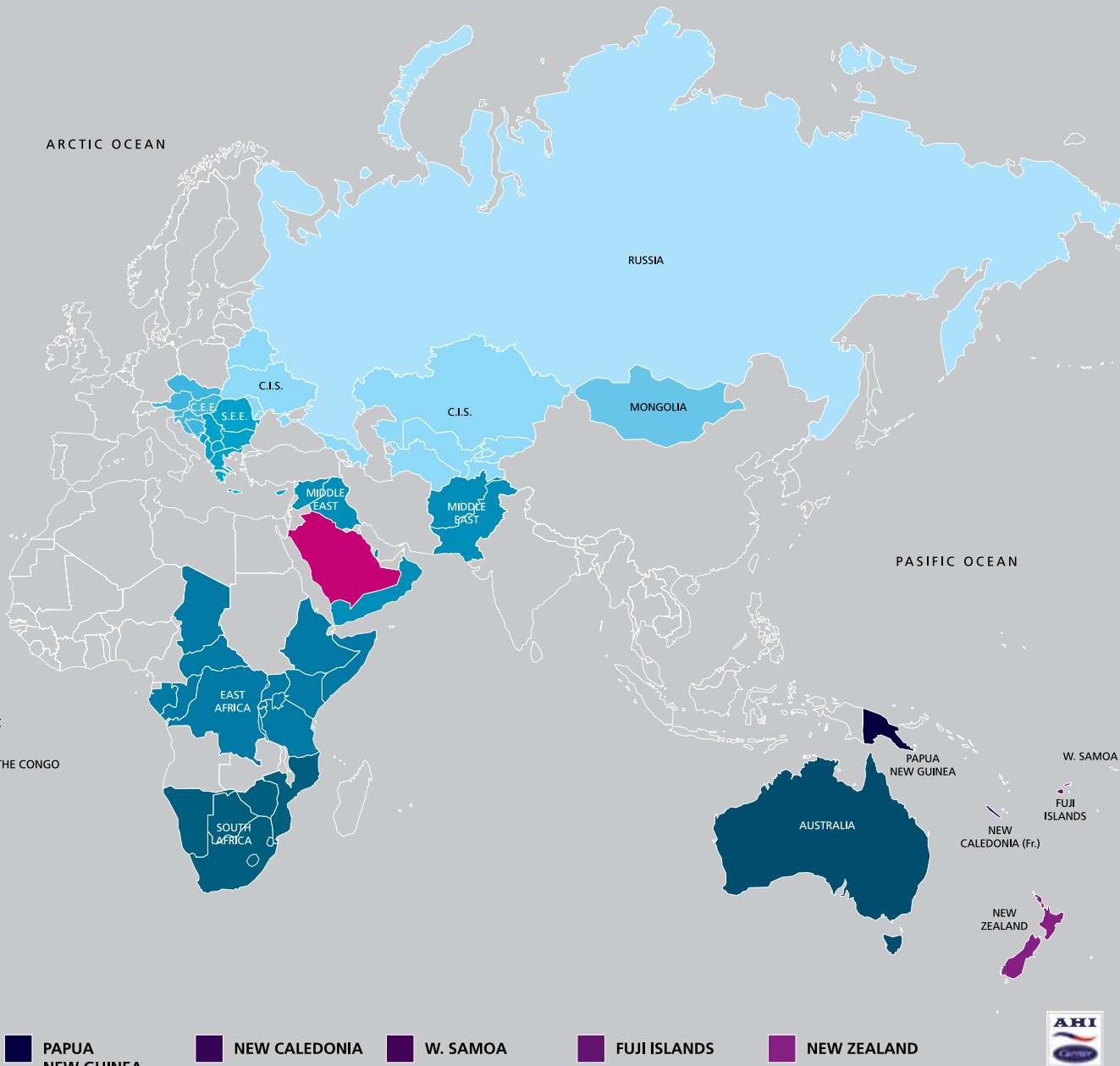
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AHJ Carrier Fzc
Business Territory Network

Territories for TOSHIBA only (SAUDI ARABIA - UAE - KUWAIT - QATAR)

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- C.I.S.**
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AZERBAIJAN
BELARUS
GEORGIA
KAZAKHSTAN
KYRGYZSTAN
MOLDOVA
TAJKISTAN
TURKMENISTAN
UKRAINE
UZBEKISTAN
- MONGOLIA**
- C.E.E.**
AUSTRIA
CROATIA
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SLOVENIA
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ALBANIA
BOSNIA & HERZEGOVINA
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- AUSTRALIA**
- PAPUA NEW GUINEA**
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- W. SAMOA**
- FUJI ISLANDS**
- NEW ZEALAND**



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Business Territory Network

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Company Profile

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 with distribution and after sales services rights for Carrier, Toshiba & Totaline air-conditioning brands in Greece. Simultaneously, Carrier expanded its distribution responsibility to the Balkan area with offices in Romania & Bulgaria. In 2009, the company was renamed to **Carrier South Eastern Europe Air-Conditioning S.A.** signifying the distribution rights in Greece, Cyprus and the Balkan region.

The first Semester of 2011, Carrier entered 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 was 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.

We are a company of ideas committed to applying cutting edge research and development techniques to create solutions that improve the environment and enhance human comfort.

The quality and efficiency of our products and services represent a commitment to consolidating our leading position in the market. We supply long-lasting, efficient products whose performance exceeds our customers' expectations.

We are committed to excellence in customer satisfaction. We listen to our customers and respond to their diverse needs by delivering exceptional products and services.

Our Mission

To be our customers' first choice for air-conditioning, heating and refrigeration solutions in our region.

Our Purpose

To create comfortable environment regardless of the climate by providing solutions that maintain exceptional indoor air quality.

About AHI Carrier

THE LARGEST CARRIER JOINT VENTURE HVAC DISTRIBUTION COMPANY OUTSIDE USA

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 were added for distribution in our 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.

AHI Carrier runs TOTALINE stores in Australia, New Zealand & Middle East where more such stores are being added. TOTALINE stocks and sells a full range of HVACR parts, consumables & tools for residential and commercial applications.

AHI Carrier now distributes Carrier & Toshiba HVAC products in 63 & 50 countries respectively across 4 continents.



turn to the experts™ 

Pioneer in sustainability

Over 100 years ago Carrier helped pioneer a new industry, and in the last two decades we have pioneered environmentally sensitive products with a reduced impact on the environment. We recognize that there must be a responsible balance between the technology we provide today and the world we will live in tomorrow.

Preservation of the environment and protecting our finite natural resources is a central tenet of our business. We have consistently demonstrated our adherence to these values by creating environmentally sound products that consume less energy and incorporate innovative materials.

Carrier is committed to reducing the greenhouse gas impact of our products through energy efficiency advancements and the refrigerants we use. Carrier is leading the industry in the phase-out of ozone-depleting refrigerants and has introduced many of the world's most energy-efficient heating, air conditioning, and refrigeration systems.

Today Carrier continues to improve the environmental performance of products, services, operations and culture to help achieve a sustainable society and protect the natural environment for generations to come.

Improve  sustainable
solutions



“Carrier has been an environmental leader for decades, with a clear and consistent strategy”

Géraud Darnis
President & Chief Executive Officer
UTC Climate Controls & Security Systems



turn to the experts™



Carrier products reclaim energy to reduce cost, energy use and environmental impact.

As the world leader in high-technology heating, air conditioning and refrigeration solutions, we are devoted to the advancement and application of the latest technologies. More than 2,000 scientists, engineers and technicians at research and design centers worldwide work to apply the latest technological innovations to the practical needs of millions of customers.

Carrier's energy services operations have implemented more than \$2.5 billion in energy savings at more than 2,000 sites, while our green building consulting services have helped the world's largest companies and organizations achieve the Leadership in Energy and Environmental Design (LEED) a certification.

Innovative products and services

From 2006 to 2010 carrier has lowered **greenhouse gas emissions** by

25%

Carrier's **energy services operations** have implemented more than

\$2.5 billion

energy in energy savings at more than 2,000 customer sites

From 2008 to 2009 carrier factories reduced **water usage** by

30%

From 2006 to 2010 Carrier factories reduced **air emissions** by

60%

From 2008 to 2010 Carrier has reduced fleet emissions equivalent to **removing more than**

5,580

cars from the road for one year

Carrier has over

420 associates in

18 countries,

who are qualified as **Leadership in Energy and Environmental Design (LEED) – Accredited Professionals**

Carrier implemented a new machine tool lubrication process that **reduced volatile organic compound emissions** by more than

80% below the 2006 baseline.



- ▶ Ionizer
- ▶ Nano Silver
- ▶ Electrostatic Carbon Filter
- ▶ Vitamin C Filter



- ▶ Coil Protection
- ▶ Valve Safety Cover
- ▶ 5 Steps Anti Rust Condensing Unit
- ▶ Gold Fin Condenser



- ▶ Temperature Compensation
- ▶ Turbo Mode
- ▶ Twin Direction Air Vane
- ▶ Comfort Sleep Function



- ▶ Low Ambient Kit
- ▶ Auto-restart Function
- ▶ Remote Control with LCD Display
- ▶ Self Diagnostic & Auto Protection Function

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Inverter Hi Wall 42NQV_M Series



Features

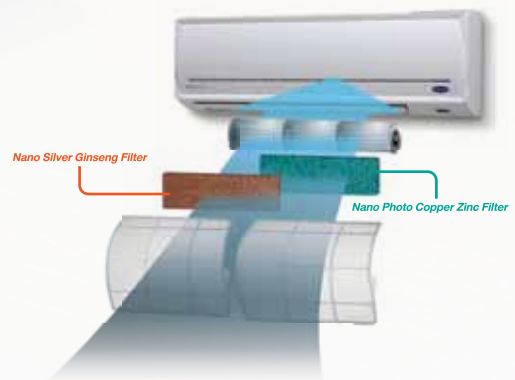
- The high efficiency of Carrier's inverter comes from the latest DC Inverter technology. The sophisticated **XPower DC Inverter technology** combines two innovative control systems to maximize energy savings and optimize comfort.
- **PAM:** Pulse Amplitude Modulation generates maximum power at start-up.
- **PWM:** Pulse Width Modulation optimizes the efficiency once the ideal temperature has been reached.

The advanced electronic management system reduces energy consumption upto 20% when compared with traditional systems.

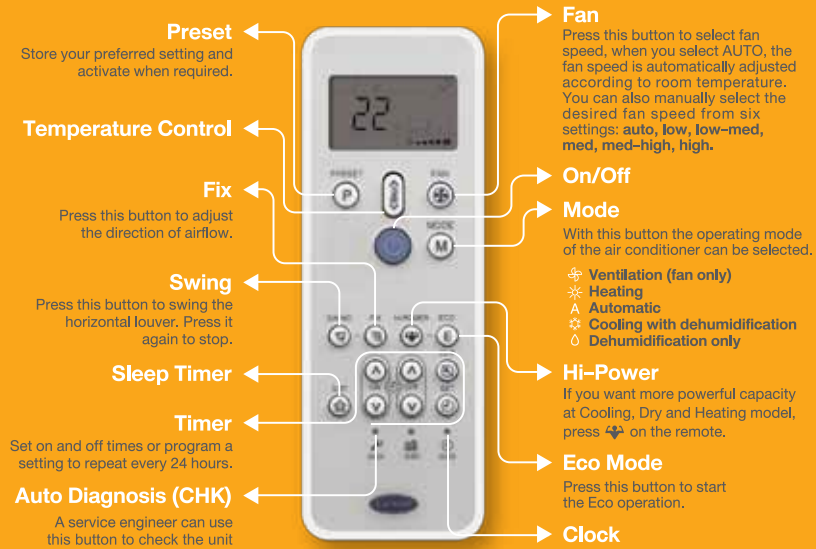
- **Nano Technology Filtration System** rapidly purifies the air. It comprises of Nano Silver Ginseng Filter & Nano Photo Copper Zinc Filter.
- **Nano Silver Ginseng Filter** enhances the elimination of antibacterial, anti-fungi and deodorizing properties.
- **Nano Photo Copper Zinc Filter** is a powerful deodorizing and de-VOC (Volatile Organic Compound). Nano Photo Copper Zinc also deactivates bacteria and mould.
- **Turbo mode** for achieving instant cooling or heating for set temperatures.
- **Advanced Air Flow** management for Vertical air flow with flexibility of fixing the horizontal louver at 11 different positions, additional Auto Swing mode for optimum air flow control.
- **Sleep Timer** provides convenient automatic stop operation programmable for 1, 3, 5, 9 hours.
- **Daily Timer** to set the exact times of start & stop of unit operation.
- **Auto Diagnosis** feature indicates any problem areas for fast and effective repair.



XPOWER GOLD
INVERTER



Remote Control



Technical Specifications

Model		38NYV/42NQV025M2	38NYV/42NQV035M2	38NYV/42NQV050M	38NYV/42NQV060M
Cooling Capacity	kW	1,1 - 2,9	1,1 - 3,9	1,1 - 6,0	1,2 - 6,7
Power Input	W	770	1090	1510	1995
E.E.R.	W/W	3.25	3.21	3.31	3.01
Energy Class		A	A	A	B
Heating Capacity	kW	0,9 - 4,0	0,9 - 4,9	0,8 - 6,3	1,0 - 7,5
Power Input	W	885	1150	1605	2180
COP	W/W	3.62	3.65	3.61	3.21
Energy Class		A	A	A	C
Max current	A	4.8	8.1	11.5	12.9
Compressor type		DC Rorary	DC Rorary	DC Twin Rorary	DC Twin Rorary
Indoor Unit		42NQV025M2	42NQV035M2	42NQV050M	42NQV060M
Air flow	m ³ /h	522	570	954	1080
Sound Pressure (L/M/H)	dB(A)	30/34/39	27/34/40	44	47
Sound Power (L/M/H)	dB(A)	43/47/52	40/57/53	59	62
Moisture removal	L/h	1.5	2.0	2.8	3.5
Dimensions (W*D*H)	mm	740 x 195 x 250	790 x 205 x 275	1050 x 228 x 320	1050 x 228 x 320
Weight	kg	8.0	9.0	13.0	13.0
Outdoor Unit		38NYV025M2	38NYV035M2	38NYV050M2	38NYV060M2
Air flow (max)	m ³ /h	1620	2100	1914	2232
Sound Pressure	dB(A)	48	48	49	52
Sound Power	dB(A)	61	61	64	67
Maximum pipe length	m	10	20	20	20
Maximum height difference	m	8	10	10	10
Dimensions (W*D*H)	mm	660 x 240 x 530	780 x 290 x 550	780 x 290 x 550	780 x 290 x 550
Weight	kg	29	35.0	39	40
Refrigerating piping (liquid/gas)	inch	3/8" / 1/4"	3/8" / 1/4"	1/2" / 1/4"	1/2" / 1/4"
Refrigerant Type		R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	°C	15 ÷ 43 / -10 ÷ 24	-10 ÷ 46 / -15 ÷ 24	-10 ÷ 46 / -15 ÷ 24	-10 ÷ 46 / -15 ÷ 24
Power supply	Ph-V-HZ	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph

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.

L/M/H: Low - Medium - High speed

Inverter Hi Wall

42RUVH Series



Features

- **DC Inverter** technology for higher energy efficiency.
- **Easy Panel Cleaning** as front panel may easily be removed for routine cleaning.
- Each unit is equipped with a 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.
- **Auto Restart** function enables the unit to start with the previous settings.
- **Low Noise Levels** achieved by large diameter cross flow fan by lowering speed without reducing the flow volume.
- **5 Steps Anti Rust Treatment and Valve Safety Cover** ensures longer life of condensing unit.
- **Electrostatic Carbon Filter** eliminates unpleasant odor and gases from air.
- **Multi Bend Heat Exchanger and Hydrophilic Blue Fins** increases heat transfer and improves energy efficiency.
- **Two Direction Air Vane** ensures air blows out horizontally in cooling mode and vertically in heating mode.
- **Comfort Sleep** feature enables the air conditioner to increase the set temperature automatically at regular intervals providing maximum comfort during sleep.

Options

- **Gold Fin Condenser** can withstand the salty air, rain and other corrosive environment, ensuring longer life span.
- **Gentle Startup kit** allows the starting current to reduce by at least 20% protecting other electrical home appliances.
- **Low Ambient Kit** enables the unit to work in cooling mode in the low ambient temperatures as low as -15°C.
- **Active Nano Silver** attached on the filter, has the power to sterilise and deodorize.
- **Vitamin C Filter** is an Anti-Oxidant which increases 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 air the fabulously fresh, clean and relaxing.
- **Bio Filter** consists of Biological enzyme and Eco filter.



Remote Control



Technical Specifications

Model		38RUVH/42RUVH026K	38RUVH/42RUVH032K	38RUVH/42RUVH050K	38RUVH/42RUVH070K
Cooling Capacity	kW	2,7 (0,66 - 2,93)	3,2 (0,72 - 3,96)	5,3 (1,49 - 6,45)	6,4 (3,52 - 7,33)
Power Input	W	823 (180 - 1100)	985 (210 - 1380)	1646 (380 - 2300)	1988 (820 - 2500)
E.E.R.	W/W	3,28	3,25	3,22	3,22
Energy Class		A	A	A	A
Heating Capacity	kW	2,9 (0,674 - 3,22)	3,2 (0,82 - 4,69)	5,7 (1,55 - 6,74)	6,7 (3,22 - 7,91)
Power Input	W	768(170~1015)	814(210~1480)	1583(350~2000)	1840(800~2700)
COP	W/W	3,78	3,93	3,60	3,64
Energy Class		A	A	A	A
Max current	A	7,5	8,5	11,5	13,5
Compressor type		Rorary	Rorary	Rorary	Rorary
Indoor Unit		42RUVH026K	42RUVH032K	42RUVH050K	42RUVH070K
Air flow (H/M/L)	m ³ /h	470/410/350	600/480/400	830/760/660	1120/950/880
Noise level (H/M/L)	dB(A)	34/31/28	41/35/31	45/43/39	48/45/43
Moisture removal	L/h	1,0	1,1	1,7	2,5
Dimensions (W*D*H)	mm	710 x 189 x 250	790 x 196 x 275	930 x 198 x 275	1036 x 230 x 315
Weight	kg	7,0	8,5	10,0	13,0
Outdoor Unit		38RUVH026K	38RUVH032K	38RUVH050K	38RUVH070K
Air flow	m ³ /h	1600	1600	2200	2700
Noise level	dB(A)	54	54	54	56
Maximum pipe length	m	20	20	20	25
Maximum height difference	m	8	8	8	10
Dimensions (W*D*H)	mm	670 x 265 x 540	670 x 265 x 540	760 x 285 x 590	845 x 320 x 700
Weight	kg	26,5	27	39,5	49,5
Refrigerating piping (liquid/gas)	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
Refrigerant Type		R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	°C	10 + 43 / -10 + 24	10 + 43 / -10 + 24	10 + 43 / -10 + 24	10 + 43 / -10 + 24
Power supply	Ph-V-HZ	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph

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.

H/M/L: High - Medium - Low speed



turn to the experts™

Inverter Console 42FLV Series



Features

- New Slim Design with more modern and elegant operation.
- Two convenient installation methods: Floor/Ceiling
- Automatic two direction swing (vertical louvers & horizontal louvers) with wide angle air flow, for optimum & comfortable air distribution.
- Low noise level due to reduce turbulence of new improved indoor blower fan blade design.
- Flexible drain pipe connections from left or right side of the unit.



Uniform Air Flow

Remote Control



Wireless (Standard)

- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Daily Timer setting: 0-24 hours
- Louver Auto Swing (Vertical and Horizontal)
- Fan Speed Control (H/M/L/Auto)
- Economical Operation Button
- Effective transmitting distance of remote is 8m



Wired (Optional)

- On / Off Operation
- Economical Mode
- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Time setting: 0-24 hours
- Weekly timer (optional)
- Swing Operation
- FAN Speed Control

Technical Specifications

Model		38VN/42FLV0121001201	38VN/42FLV0181001201	38VN/42FLV0241001201	38VN/42FLV0301001201	38VN/42FLV0361001201	38VN/42FLV0481001201	38VN/42FLV0601001901
Cooling Capacity	KW	3.34 (1.95 - 3.69)	5.97 (2.95 - 6.02)	6.76 (3.45 - 7.18)	8.62 (4.26 - 8.66)	10.05 (5.26 - 10.26)	12.27 (7.64 - 13.55)	14.06 (8.87 - 16.98)
Power Input	W	880 (495 - 1165)	1980 (690 - 2050)	2070 (800 - 2355)	3090 (1080 - 3280)	3850 (1640 - 3960)	3930 (2190 - 4965)	4285 (2625 - 6875)
E.E.R.	W/W	3.79	3.01	3.27	2.79	2.61	3.12	3.28
Energy Class		A	B	A	D	D	B	A
Heating Capacity	KW	4.02 (2.04 - 4.51)	6.12 (2.66 - 6.30)	7.92 (3.42 - 7.57)	9.67 (3.98 - 9.96)	11.15 (5.60 - 11.67)	13.93 (8.10 - 16.68)	13.94 (9.73 - 19.64)
Power Input	W	970 (415 - 1215)	1510 (600 - 1590)	2270 (9750 - 2190)	3050 (900 - 3160)	4220 (1550 - 4455)	3915 (1980 - 5130)	3770 (2410 - 6965)
COP	W/W	4.13	4.06	3.49	3.17	2.64	3.56	3.7
Energy Class		A	A	B	D	E	B	A
Max current	A	10	13	13.5	18.5	23	31	15
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Indoor Unit		42FLV0121001201	42FLV0181001201	42FLV0241001201	42FLV0301001201	42FLV0361001201	42FLV0481001201	42FLV0601001901
Air flow (H/M/L)	m ³ /h	584/518/463	800/600/500	1200/900/700	1200/1000/800	1400/1200/1000	2000/1800/1600	2000/1800/1600
Noise level (H/M/L)	dB(A)	39.5/36.1/33.3	54.2/52/48.7	52.9/50.5/47.6	53/50.8/48.2	53.6/50.8/48	51.1/48.3/46.5	52.6/50.7/49.3
Dimensions (W*H*D)	mm	990×203×660	990×203×660	990×203×660	1280×203×660	1280×203×660	1670×240×680	1670×240×680
Weight	kg	26	26	29	37	31	46	52
Outdoor Unit		38VN0121120A	38VN0181120A	38VN0241120A	38VN0301120A	38VN0361120A	38VN0481120A	38VN0601190A
Air flow	m ³ /h	1800	2200	3200	3500	5100	6000	6130
Noise level	dB(A)	54.8	59	56.5	56.8	65.4	63.2	64.9
Maximum pipe length	m	10	25	25	25	30	50	50
Maximum height difference	m	6	12	12	15	20	25	25
Dimensions (W*H*D)	mm	760×590×285	760×590×285	845×695×335	895×860×330	990×965×355	940×1245×360	940×1245×360
Weight	kg	36	40	53	71	82	106	104
Refrigerating piping (liquid/gas)	inch	1/4"/1/2"	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	°C	0 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24
Power supply	Ph-V-HZ	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz

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.

H/M/L: High - Medium - Low speed



turn to the experts™



Inverter 4 Way Cassette

42TLV / 42TNV



Features

- 360° Surrounded air outlet design for uniform airflow distribution.
- Four swing motors to drive each louver for optimum & comfortable air flow.
- 3D Screw indoor fan technology - reduced air resistance & noise level, increased air volume & improved heat exchange efficiency.
- Fresh air intake provision within the indoor unit.
- Provision of sub-duct connection from indoor unit for adjacent small room.
- E-Box is built inside the unit accessible from the bottom return air grille.
- Return air grille lift function - convenient for filter cleaning
- In-built drain pump for condensate water lift up to 750mm.



White



Grey



Black



Blue



360° Air Flow

Remote Control



Wireless (Standard)

- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Daily Timer setting: 0-24 hours
- Louver Auto Swing (Vertical and Horizontal)
- Fan Speed Control (H/M/L/Auto)
- Economical Operation Button
- Effective transmitting distance of remote is 8m



Wired (Optional)

- On / Off Operation
- Economical Mode
- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Time setting: 0-24 hours
- Weekly timer (optional)
- Swing Operation
- FAN Speed Control

Technical Specifications

Model		38VN/42TLV0121001201	38VN/42TLV0181001201	38VN/42TNV0241001201	38VN/42TNV0301001201	38VN/42TNV0361001201	38VN/42TNV0481001201	38VS/42TNV0601001901
Cooling Capacity	KW	3.37 (2.14 - 3.87)	5.31 (2.65 - 5.71)	7.31 (3.82 - 7.71)	8.91 (4.48 - 9.04)	10.91 (5.94 - 11.32)	12.48 (7.02 - 13.05)	13.48 (8.78 - 15.98)
Power Input	W	920 (620 - 1170)	1640 (630 - 1920)	2150 (800 - 2425)	3240 (1110 - 3310)	3970 (1640 - 4150)	3875 (2150 - 4815)	4110 (2590 - 6290)
E.E.R.	W/W	3.66	3.24	3.40	2.75	2.75	3.22	3.28
Energy Class		A	A	A	D	D	A	A
Heating Capacity	KW	3.47 (1.95 - 4.13)	5.48 (2.55 - 5.90)	8.06 (3.48 - 8.11)	10.06 (3.95 - 10.29)	11.65 (6.02 - 12.27)	13.76 (7.74 - 15.03)	13.97 (9.79 - 18.45)
Power Input	W	950 (430 - 1395)	1575 (590 - 1720)	2400 (730 - 2380)	2865 (880 - 3155)	4000 (1470 - 4245)	4010 (2040 - 5425)	3840 (2400 - 6450)
COP	W/W	3.66	3.48	3.36	3.51	2.91	3.43	3.64
Energy Class		A	B	C	B	D	B	A
Max current	A	10	13	13.5	18.5	23	31	15
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Indoor Unit		42TLV0121001201	42TLV0181001201	42TNV0241001201	42TNV0301001201	42TNV0361001201	42TNV0481001201	42TNV0601001901
Air flow (H/M/L)	m3/h	570/495/405	720/550/450	1220/1010/822	1530/1300/1120	1530/1300/1120	1530/1300/1120	1800/1480/1280
Noise level (H/M/L)	dB(A)	44.3/33.8	46.6/41.3/37.7	50.9/45.9/40.6	53.7/49.9/45.7	54.3/48.7/44.8	44/42.5/41	52.7/49.1/47.1
Dimensions (W*H*D) (body)	mm	570×260×570	570×260×570	840×230×840	840×300×840	840×300×840	840×300×840	840×300×840
Dimensions (W*H*D) (panel)	mm	650×50×650	650×50×650	950×55×950	950×55×950	950×55×950	950×55×950	950×55×950
Weight (body)	kg	16	18	24	30	30	31	35
Weight (panel)	kg	3	3	5	5	5	5	5
Outdoor Unit		38VN0121120A	38VN0181120A	38VN0241120A	38VN0301120A	38VN0361120A	38VN0481121A	38VN0601190A
Air flow	m3/h	1800	2200	3200	3500	5100	6000	6130/4560
Noise level	dB(A)	56.2	59.4	58.1	57.2	65	65	65.1
Maximum pipe length	m	10	25	25	25	30	50	50
Maximum height difference	m	6	12	12	15	20	25	25
Dimensions (W*H*D)	mm	760×590×285	760×590×285	845×695×335	895×860×330	990×965×355	940×1245×360	940×1245×360
Weight	kg	36	40	53	71	82	106	104
Refrigerating piping (liquid/gas)	inch	1/4"/1/2"	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	oC	0 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24
Power supply	Ph-V-HZ	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz

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.

H/M/L: High - Medium - Low speed



turn to the experts™



Inverter Medium Static Ducted 42SMV Series



Features

- Quick & easy to install.
- Flexible air intake from back & below.
- Standard knock out hole for Fresh air duct connection.
- Easy to maintain fan motor by removing bottom service panel.
- Detachable E-Box, can be installed 1m far from unit for easy maintenance.
- Dry contact input for remote on/off.
- Easy to replace filters (Optional).
- Drain water pump to lift condensate water up to 750mm (Optional).

Accessories (Optional)

- Decorative panel including filter
- Front clapboard for multi duct connection
- Canvas air passage
- Filter
- Drain pump



Detachable E-Box

Remote Control



Wireless (Standard)

- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Daily Timer setting: 0-24 hours
- Louver Auto Swing (Vertical and Horizontal)
- Fan Speed Control (H/M/L/Auto)
- Economical Operation Button
- Effective transmitting distance of remote is 8m



Wired (Optional)

- On / Off Operation
- Economical Mode
- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Time setting: 0-24 hours
- Weekly timer (optional)
- Swing Operation
- FAN Speed Control

Technical Specifications

Model		38VN/42SMV0121001201	38VN/42SMV0181001201	38VN/42SMV0241001201	38VN/42SMV0301001201	38VN/42SMV0361001201	38VN/42SMV0481001201	38VS/42SMV0601001901
Cooling Capacity	KW	3.45 (2.26 - 3.78)	5.56 (2.86 - 5.94)	7.23 (3.70 - 7.72)	9.44 (4.67 - 9.59)	11.38 (6.26 - 11.71)	12.04 (7.65 - 14.22)	13.34 (8.38 - 17.12)
Power Input	W	910 (515 - 1165)	1695 (665 - 1975)	2180 (835 - 2540)	3300 (1150 - 3460)	4230 (1795 - 4385)	3810 (2310 - 4970)	4120 (2465 - 7255)
E.E.R.	W/W	3.80	3.28	3.32	2.86	2.69	3.16	3.24
Energy Class		A	A	A	C	D	B	A
Heating Capacity	KW	3.77 (2.11 - 4.78)	6.30 (2.60 - 6.42)	7.20 (3.39 - 7.64)	10.65 (4.60 - 10.93)	12.27 (6.15 - 13.65)	12.86 (8.40 - 17.99)	13.80 (10.14 - 19.48)
Power Input	W	895 (440 - 1315)	1645 (610 - 1725)	2030 (760 - 2320)	3010 (940 - 3140)	3835 (1580 - 4305)	3340 (2000 - 5000)	3700 (2460 - 6370)
COP	W/W	4.21	3.83	3.55	3.54	3.20	3.85	3.73
Energy Class		A	A	B	B	D	A	A
Max current	A	10	13	13.5	18.5	23	31	15
Compressor type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Indoor Unit		42SMV0121001201	42SMV0181001201	42SMV0241001201	42SMV0301001201	42SMV0361001201	42SMV0481001201	42SMV0601001901
Air flow (H/M/L)	m ³ /h	800/610/520	1170/770/650	1400/1100/1000	2250/1940/1720	2270/1940/1720	3010/2410/1940	3150/2510/1990
Noise level (H/M/L)	dB(A)	41.2/35.1/32.4	41.9/33/30.8	43.4/36.6/34.6	47.4/40.3/37.6	44.4/39.6/37.4	47.1/45.3/42.9	49.9/44.2/42.6
Dimensions (W*H*D)	mm	700×210×570	920×210×635	920×270×635	1140×270×710	1140×270×710	1200×865×300	1200×300×865
Weight	kg	20	23	28	42	39	50	50
Outdoor Unit		38VN0121120A	38VN0181120A	38VN0241120A	38VN0301120A	38VN0361120A	38VN0481121A	38VN0601190A
Air flow	m ³ /h	1800	2200	3200	3500	5100	6000	6130
Noise level	dB(A)	53.2	57.8	57	57.5	64.7	64	65
Maximum pipe length	m	10	25	25	25	30	50	50
Maximum height difference	m	6	12	12	15	20	25	25
Dimensions (W*H*D)	mm	760×590×285	760×590×285	845×695×335	895×860×330	990×965×355	940×1245×360	940×1245×360
Weight	kg	36	40	53	71	82	106	104
Refrigerating piping (liquid/gas)	inch	1/4"/1/2"	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"	3/8"/5/8"
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	°C	0 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24	-15 + 43 / -15 + 24
Power supply	Ph-V-HZ	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz

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.
 H/M/L: High - Medium - Low speed



turn to the experts™



Fixed Speed Hi Wall 42QCR_GE Series

Features

- **Easy Panel Cleaning** as front panel may easily be removed for routine cleaning.
- Each unit is equipped with a 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.
- **Auto Restart** function enables the unit to start with the previous settings.
- **Low Noise Levels** achieved by large diameter cross flow fan by lowering speed without reducing the flow volume.
- **5 Steps Anti Rust Treatment and Valve Safety Cover** ensures longer life of condensing unit.
- **Electrostatic Carbon Filter** eliminates unpleasant odor and gases from air.
- **Multi Bend Heat Exchanger and Hydrophilic Blue Fins** increases heat transfer and improves energy efficiency.
- **Two Direction Air Vane** ensures air blows out horizontally in cooling mode and vertically in heating mode.
- **Comfort Sleep feature** enables the air conditioner to increase the set temperature automatically at regular intervals providing maximum comfort during sleep.

Options

- **Gold Fin Condenser** can withstand the salty air, rain and other corrosive environment, ensuring longer life span.
- **Gentle Startup kit** allows the starting current to reduce by at least 20% protecting other electrical home appliances.
- **Low Ambient Kit** enables the unit to work in cooling mode in the low ambient temperatures as low as -15°C.
- **Active Nano Silver** attached on the filter, has the power to sterilise and deodorize.
- **Vitamin C Filter** is an Anti-Oxidant which increases 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 air the fabulously fresh, clean and relaxing.
- **Bio Filter** consists of Biological enzyme and Eco filter.



Remote Control



Technical Specifications

Model		38QCR/42QCR009713GE	38QCR/42QCR012713GE	38QCR/42QCR018713GE	38QCR/42QCR022713GE
Cooling Capacity	kW	2.7	3.2	5.3	6.4
Power Input	W	840	996	1652	1994
E.E.R.	W/W	3.21	3.21	3.21	3.21
Energy Class		A	A	A	A
Heating Capacity	kW	2.9	3.2	5.7	6.7
Power Input	W	780	818	1578	1856
COP	W/W	3.71	3.91	3.61	3.61
Energy Class		A	A	A	A
Max current	A	5.5	7.0	12.0	14.5
Compressor type		Rorary	Rorary	Rorary	Rorary
Indoor Unit		42QCR009713GE	42QCR012713GE	42QCR018713GE	42QCR022713GE
Air flow (H/M/L)	m ³ /h	470/400/330	580/500/400	750/630/510	1050/1000/930
Noise level (H/M/L)	dB(A)	38/33/29	41/38/35	46/41/35	48/43/38
Moisture removal	L/h	1.0	1.1	1.8	2.3
Dimensions (W*D*H)	mm	710 x 189 x 250	790 x 196 x 275	930 x 198 x 275	1036 x 230 x 315
Weight	kg	7.0	8.0	10.0	13.0
Outdoor Unit		38QCR009713GE	38QCR012713GE	38QCR018713GE	38QCR022713GE
Air flow	m ³ /h	1650	1800	2300	2700
Noise level	dB(A)	53	54	58	59
Maximum pipe length	m	20	20	25	25
Maximum height difference	m	8	8	10	10
Dimensions (W*D*H)	mm	700 x 240 x 540	780 x 250 x 540	760 x 285 x 590	845 x 320 x 700
Weight	kg	24.5	26.0	37.5	42.5
Refrigerating piping (liquid/gas)	inch	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Refrigerant Type		R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	°C	18 ÷ 43 / -7 ÷ 24	18 ÷ 43 / -7 ÷ 24	18 ÷ 43 / -7 ÷ 24	18 ÷ 43 / -7 ÷ 24
Power supply	Ph-V-HZ	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph	220-240V~ 50Hz, 1Ph

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.

H/M/L: High - Medium - Low speed



turn to the experts™

Fixed Speed Console 42FLH Series

Features

- New Slim Design with more modern and elegant operation.
- Two convenient installation methods :
 - Floor installation for optimum utilization of warm air.
 - Ceiling installation for more space saving.
- Automatic two direction swing (vertical louvers & horizontal louvers) with wide angle air flow, for optimum & comfortable air distribution.
- Three Fan speed (High, Medium, Low) for different air flow requirements.
- Low noise level due to reduce turbulence of new improved indoor blower fan blade design.
- Auto Restart function enables unit to start when power is restored.
- Flexible drain pipe connections from left or right side of the unit.



Remote Control



Wireless (Standard)

- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Daily Timer setting: 0-24 hours
- Louver Auto Swing (Vertical and Horizontal)
- Fan Speed Control (H/M/L/Auto)
- Economical Operation Button
- Effective transmitting distance of remote is 8m



Wired (Optional)

- On / Off Operation
- Economical Mode
- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Time setting: 0-24 hours
- Weekly timer (optional)
- Swing Operation
- FAN Speed Control

Technical Specifications

Model		38HN42FLH0121001201	38HN42FLH0181001201	38HN42FLH0241001201	38HN42FLH0301001201	38HN42FLH0301001901	38HN42FLH0361001201	38HN42FLH0361001901	38HN42FLH0481001901	38HN42FLH0601001901
Cooling Capacity	KW	3.72	5.79	7.15	9.95	10.74	9.92	9.59	14.22	15.83
Power Input	W	1248	2133	2520	3765	3649	3924	3676	5090	5740
E.E.R.	W/W	2.98	2.71	2.84	2.64	2.94	2.53	2.61	2.79	2.76
Energy Class		C	D	C	D	C	E	D	D	D
Heating Capacity	KW	4.03	6.27	8.54	11.52	11.08	11.97	10.85	16.26	17.69
Power Input	W	1107	1674	2443	4027	3638	4085	3703	4714	5636
COP	W/W	3.64	3.75	3.49	2.86	3.05	2.93	2.93	3.45	3.14
Energy Class		A	A	B	D	D	D	D	B	D
Max current	A	8.5	15.0	18.0	25.0	10.0	30.0	10.0	10.5	12.6
Compressor type		Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Indoor Unit		42FLH0121001201	42FLH0181001201	42FLH0241001201	42FLH0301001201	42FLH0301001901	42FLH0361001201	42FLH0361001901	42FLH0481001901	42FLH0601001901
Air flow (H/M/L)	m ³ /h	600/480/400	800/600/500	1200/900/700	1400/1200/1000	1400/1200/1000	1400/1200/1000	1400/1200/1000	2000/1800/1600	2000/1800/1600
Noise level (H/M/L)	dB(A)	37.1/34.6/31.5	53.9/51.5/48.0	54.2/51.1/46.3	53/51.4/49.9	52.6/51.4/49.9	52.5/50.6/48.1	52.1/50.3/48.5	55.0/52.4/50.7	55.1/52.4/50.6
Dimensions (W*H*D)	mm	990x203x660	990x203x660	990x203x660	1280x203x660	1280x203x660	1280x203x660	1280x203x660	1670x240x680	1670x240x680
Weight	kg	24	26	27	35	35	34	34	50	52
Outdoor Unit		38HN0121120A	38HN0181120A	38HN0241120A	38HN0301120A	38HN0301190A	38HN0361120A	38HN0361190A	38HN0481190A	38HN0601190A
Air flow	m ³ /h	2100	2439	3200	5000	5000	5000	5000	6800	6850
Noise level	dB(A)	55.2	58.7	60	64.1	63.9	65.9	63.7	62.8	61.5
Maximum pipe length	m	15	25	25	25	25	30	30	50	50
Maximum height difference	m	8	15	15	15	15	20	20	25	25
Dimensions (W*H*D)	mm	780x547x250	760x590x285	845x695x335	990x965x355	990x965x355	990x965x355	900x1167x340	900x1167x340	900x1167x340
Weight	kg	30	39	53	94	92	94	92	110	106
Refrigerating piping (liquid/gas)	inch	1/4"/1/2"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	1/2"/3/4"	1/2"/3/4"	1/2"/3/4"	1/2"/3/4"
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	°C	18-43/7-24	18-43/7-24	18-43/7-24	18-43/7-24	18-43/7-24	18-43/7-24	18-43/7-24	18-43/7-24	18-43/7-24
Power supply	Ph-V-Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz	3Ph, 380-415V~, 50Hz	3Ph, 380-415V~, 50Hz

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.

H/M/L: High - Medium - Low speed



turn to the experts™



Fixed Speed 4-Way Cassette

42TLH Series

Features

- Ultra-thin machine for easy installation and maintenance. Minimum height 230 mm.*
- Equal and wide range efficient cooling.
- Low noise operation.
- 3D screw indoor fan technology that reduces air resistance & noise level, results in increased air volume and heat exchange efficiency.
- 360°C air flow panel to ensure uniform airflow distribution.
- Three Fan Speed available (High, Medium, Low). Optional super high fan speed for large space over 3m in height.
- Wide range of colors for decorative panel – White**, Grey, Black & Blue.
- Fresh air intake provision within the indoor unit.
- Provision of sub-duct connection from indoor unit for adjacent small room.
- Rib design on the decorative panel to prevent from distortion.
- Inside E-box design that is accessible from return air grille.
- In built drain pump for condensate liftup to 750mm.
- Error code display on LED panel on indoor unit.



White



Grey



Black



Blue



3D Screw Fan



Fresh Air Intake

* Size 024 ** Standard color

Remote Control



Wireless (Standard)

- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Daily Timer setting: 0-24 hours
- Louver Auto Swing (Vertical and Horizontal)
- Fan Speed Control (H/M/L/Auto)
- Economical Operation Button
- Effective transmitting distance of remote is 8m



Wired (Optional)

- On / Off Operation
- Economical Mode
- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Time setting: 0-24 hours
- Weekly timer (optional)
- Swing Operation
- FAN Speed Control

Technical Specifications

Model		38HN42TLH0121001201	38HN42TLH0181001201	38HN42TNH0241001201	38HN42TNH0301001201	38HN42TNH0301001901	38HN42TNH0361001201	38HN42TNH0361001901	38HN42TNH0481001901	38HN42TNH0601001901
Cooling Capacity	KW	3.60	5.70	8.08	11.08	10.83	10.42	10.83	13.64	14.62
Power Input	W	1266	2001	2644	3825	3723	3889	3723	5091	5807
E.E.R.	W/W	2.84	2.85	3.06	2.90	2.91	2.68	2.91	2.68	2.52
Energy Class		C	C	B	C	C	D	C	D	E
Heating Capacity	KW	3.77	6.02	8.63	12.32	11.68	12.18	11.68	14.00	17.57
Power Input	W	1142	1776	2369	3696	3377	3744	3377	5390	5881
COP	W/W	3.30	3.39	3.64	3.33	3.46	3.25	3.46	2.60	2.99
Energy Class		C	C	A	C	B	C	B	F	D
Max current	A	8.50	15.00	18.00	25.00	10.00	30.00	10.00	10.50	12.60
Compressor type		Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Indoor Unit		42TLH0121001201	42TLH0181001201	42TNH0241001201	42TNH0301001201	42TNH0301001901	42TNH0361001201	42TNH0361001901	42TNH0481001901	42TNH0601001901
Air flow (H/M/L)	m ³ /h	680/600/400	720/550/450	1220/1010/822	1545/1354/1187	1545/1354/1187	1538/1296/1124	1538/1296/1124	1538/1296/1124	1802/1483/1284
Noise level (H/M/L)	dB(A)	44.8/41.4/37.2	46.2/42.4/36.1	50.2/45.1/39.8	53.2/49.6/45.3	53.9/50.9/47.1	53.2/48.9/44.7	52.2/47.5/43.7	55.0/51.9/47.1	53.3/48.3/44.2
Dimensions (W*H*D) (body)	mm	570×260×570	570×260×570	840×230×840	840×300×840	840×300×840	840×300×840	840×300×840	840×300×840	840×300×840
Dimensions (W*H*D) (panel)	mm	650×50×650	650×50×650	950×55×950	950×55×950	950×55×950	950×55×950	950×55×950	950×55×950	950×55×950
Weight (body)	kg	16	19	26	30	30	30	35	30	32
Weight (panel)	kg	2.5	2.5	5	5	5	5	5	5	5
Outdoor Unit		38HN0121120A	38HN0181120A	38HN0241120A	38HN0301120A	38HN0301190A	38HN0361120A	38HN0361190A	38HN0481190A	38HN0601190A
Air flow	m ³ /h	2100	2439	3200	5000	5000	5000	5000	6800	6850
Noise level	dB(A)	53.4	58.7	60.3	64.3	64.5	65.9	65.6	62.8	61.5
Maximum pipe length	m	15	25	25	25	25	30	30	50	50
Maximum height difference	m	8	15	15	15	15	20	20	25	25
Dimensions (W*H*D)	mm	780×547×250	760×590×285	845×695×335	990×965×355	990×965×355	990×965×355	990×965×355	900×1167×340	900×1167×340
Weight	kg	30	39	53	94	92	94	92	110	106
Refrigerating piping (liquid/gas)	inch	1/4"/1/2"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	1/2"/3/4"	1/2"/3/4"	1/2"/3/4"	1/2"/3/4"
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	°C	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24
Power supply	Ph-V-HZ	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz	3Ph, 380-415V~, 50Hz	3Ph, 380-415V~, 50Hz

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.

H/M/L: High - Medium - Low speed

Fixed Speed Medium Static Ducted 42SMH Series



Features

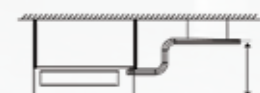
- Slim Profile low height design suitable for ceiling pockets.
- Flexibility of return Air intake from back & below.
- Standard Fresh Air Intake hole and connection flange.
- Easy Filter replacement from back or bottom.
- Long life and high efficiency filters.
- Easy Fan motor maintenance by removing bottom service panel.
- New position of room temperature sensor on fan cover, for more accurate temperature sensing.
- Special port for testing drain pump operation.
- Detachable E-Box, can be installed 1m far from the unit for easy maintenance.
- Easy to replace Drain Water Pump (Optional).
- Quick & Convenient to install with optional front clapboard.



Air Intake From Back



Air Intake From Bottom



Drain Pump

Remote Control



Wireless (Standard)

- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Daily Timer setting: 0-24 hours
- Louver Auto Swing (Vertical and Horizontal)
- Fan Speed Control (H/M/L/Auto)
- Economical Operation Button
- Effective transmitting distance of remote is 8m



Wired (Optional)

- On / Off Operation
- Economical Mode
- Temp. Range 17°C to 30°C
- Mode: Auto, Cool, Dry, Heat, Fan only
- Time setting: 0-24 hours
- Weekly timer (optional)
- Swing Operation
- FAN Speed Control

Technical Specifications

Model		38HN42SMH0121001201	38HN42SMH0181001201	38HN42SMH0241001201	38HN42SMH0301001201	38HN42SMH0301001901	38HN42SMH0361001201	38HN42SMH0361001901	38HN42SMH0481001901	38HN42SMH0601001901
Cooling Capacity	KW	3,48	5,78	7,67	10,84	11,09	11,05	11,10	14,08	15,07
Power Input	W	1396	2036	2702	3980	3724	3957	3671	5082	5878
E.E.R.	W/W	2,49	2,84	2,84	2,72	2,98	2,79	3,02	2,77	2,56
Energy Class		E	C	C	D	C	D	B	D	E
Heating Capacity	KW	3,81	6,16	7,69	12,38	10,98	12,07	11,60	14,74	17,76
Power Input	W	1256	1751	2373	3700	3389	3571	3195	4261	5499
COP	W/W	3,03	3,52	3,24	3,34	3,24	3,38	3,63	3,46	3,23
Energy Class		D	B	C	C	C	C	A	B	C
Max current	A	8,5	15,0	18,0	25,0	10,0	30,0	10,0	10,5	12,6
Compressor type		Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Indoor Unit		42SMH0121001201	42SMH0181001201	42SMH0241001201	42SMH0301001201	42SMH0301001901	42SMH0361001201	42SMH0361001901	42SMH0481001901	42SMH0601001901
Air flow (H/M/L)	m ³ /h	800/610/520	1170/770/650	1400/1100/1000	2250/1940/1720	2250/1940/1720	2270/1890/1650	2270/1890/1650	3010/2410/1940	3150/2510/1990
Noise level (H/M/L)	dB(A)	36,9/30,2/26,4	45,3/41,2/33,9/29,7	47,5/42,5/38,0/34,3	46,1/44/42,2	46,1/44/42,2	52,2/48,2/41,9/38,0	53,0/48,9/41,5/37,8	52,5/47,6/41,4/37,0	52,7/48,8/43,9/39,7
Dimensions (W*H*D)	mm	700x210x635	920x210x635	920x270x635	1140x270x775	1140x270x775	1140x270x775	1140x270x775	1200x300x865	1200x300x865
Weight	kg	20/25	24/30	28/34	41/46	41/46	41/46	41/46	47/55	47/55
Outdoor Unit		38HN0121120A	38HN0181120A	38HN0241120A	38HN0301120A	38HN0301190A	38HN0361120A	38HN0361190A	38HN0481190A	38HN0601190A
Air flow	m ³ /h	2100	2439	3200	5000	5000	5000	5000	6800	6850
Noise level	dB(A)	43	58,7	60	64,1	64,5	65,9	63,6	62,8	61,5
Maximum pipe length	m	15	25	25	25	25	30	30	50	50
Maximum height difference	m	8	15	15	15	15	20	20	25	25
Dimensions (W*H*D)	mm	780x547x250	760x590x285	845x695x335	990x965x355	990x965x355	990x965x355	990x965x355	900x1167x340	900x1167x340
Weight	kg	30	39	53	94	92	94	92	110	106
Refrigerating piping (Liquid/gas)	inch	1/4"/1/2"	1/4"/1/2"	3/8"/5/8"	3/8"/3/4"	3/8"/3/4"	1/2"/3/4"	1/2"/3/4"	1/2"/3/4"	1/2"/3/4"
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Ambient temperature (cooling/heating)	°C	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24	18 + 43 / -7 + 24
Power supply	Ph-V-HZ	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz	1Ph, 220-240V~, 50Hz	3Ph, 380-415V~, 50Hz	3Ph, 380-415V~, 50Hz	3Ph, 380-415V~, 50Hz

Note:

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

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

H/M/L: High - Medium - Low speed



turn to the experts™



Encased Indoor Fan Coils FX4CS Series

Condensing Unit 38EYX Series

Features

Outdoor

- Operating ambient temperature for cooling mode 13°C~52°C / heating mode -34°C~19°C.
- CE certified.
- Weather protected cabinet with pre-painted galvanized sheet metal.
- Modified Polymer Coating on the coil.
- 1000 Hr Salt spray as per ASTM B117 test.
- Narrow spaced grille for improved coil protection.
- Equipped with High & Low pressure switches.
- One access panel to access electrical controls, fan motor, compressor & condenser coil.
- Discharge muffler to minimize low frequency sound and pressure pulsation generated by compressor discharge gas.
- Factory supplied filter drier.
- Compressor Sound Hood for noise attenuation.

Indoor

- Install up flow, horizontal, or down flow.
- Grooved copper tubes.
- Easy access to filters for cleaning.
- Prepainted galvanized sheet metal.
- Solid state interlock control board.
- Lanced sine wave aluminum fins.



Accessories & Options

Indoor

- Disconnect Kit
- Downflow Base Kit
- Downflow Conversion Kit
- Single - Point Wiring Kit
- Filter Kit
- Power Plug Kit
- PVC Condensate Trap Kit
- Air Cleaner 240 - Volt Conversion Kit
- Downflow / Horizontal Conversion Gasket Kit
- Horizontal Water Management Kit
- Electric Heater

Outdoor

- Crankcase Heater - Size 024, 036
- Evaporator Freeze Thermostat
- Isolation Relay
- Thermostatic Expansion Valve
- Liquid Solenoid Valve (LSV)
- Filter Drier - Bi-Flow
- Motor Master® Control

Technical Specifications

Model		38EYX/FX4CSX048000	38EYX/FX4CSX060000
Cooling Capacity	KW	13.66	16.73
Power Input	W	4360	5870
E.E.R.	W/W	3.13	2.85
Heating Capacity	KW	14.48	17.07
Power Input	W	3820	5040
COP	W/W	3.79	3.39
Compressor type		scroll	scroll
Indoor Unit		FX4CSX048000	FX4CSX060000
Air flow	l/s	750	825
Sound pressure	dB(A)	77	80
Dimensions (H*W*D)	mm	1261 x 537 x 560	1357 x 537 x 560
Weight	kg	72	80
Outdoor Unit		38EYX048-X-9	38EYX060-X-9
Maximum pipe length	m	50	50
Maximum height difference	m	45	45
Dimensions (H*W*D)	mm	1015 x 762 x 762	862 x 762 x 762
Weight	kg	99.3	111.6
Refrigerating piping (liquid/gas)	inch	3/8 - 7/8"	3/8 - 7/8"
Power supply	Ph-V-HZ	400/3/50	400/3/50

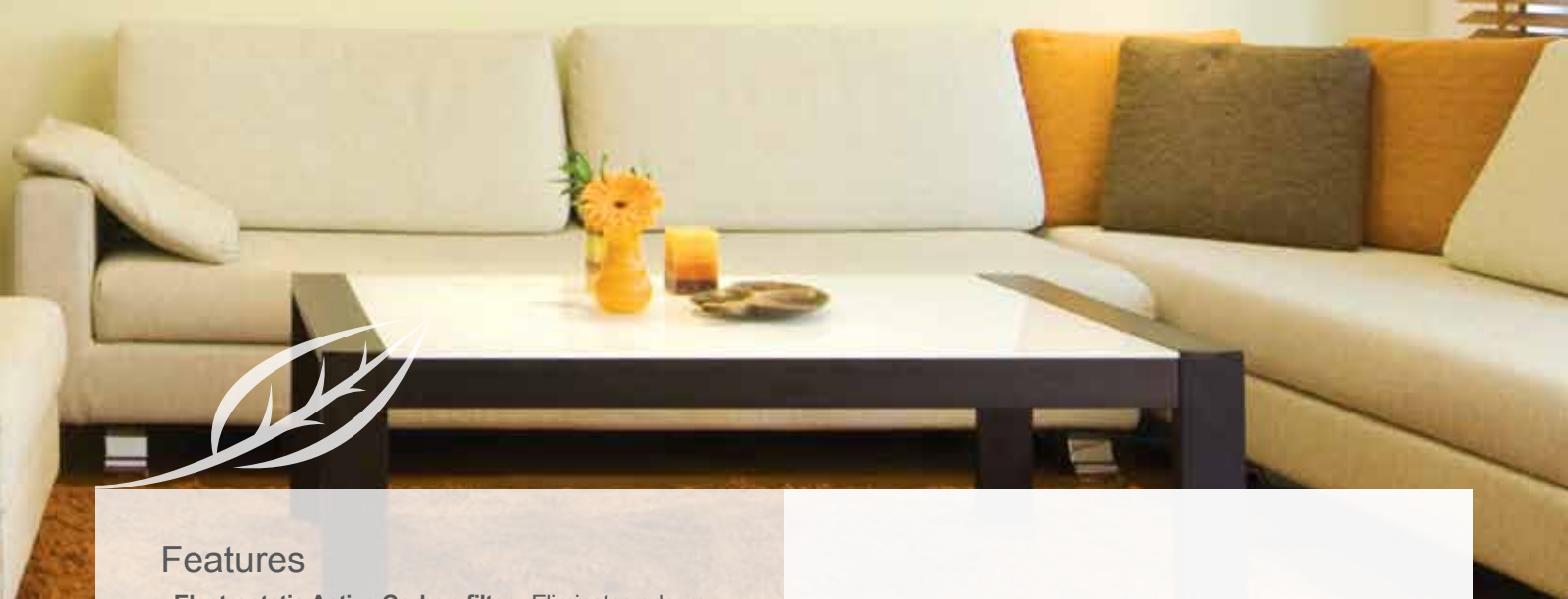
Note :

Cooling standard : 27°C (DB) /19°C (WB) indoor air temperature and 35°C (DB) outdoor air temperature.

Heating standard : 20°C (DB) indoor air temperature and 7°C (DB) / 6°C (WB) outdoor air temperature.

Multi Inverter Hi Wall

38QCT+42QCP Series

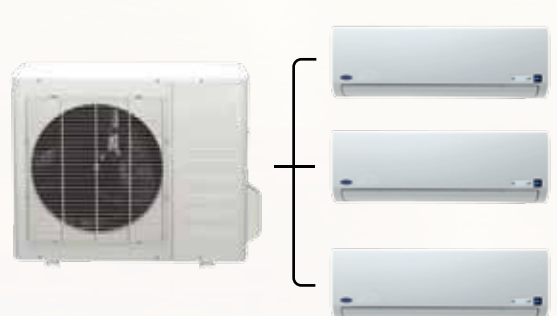
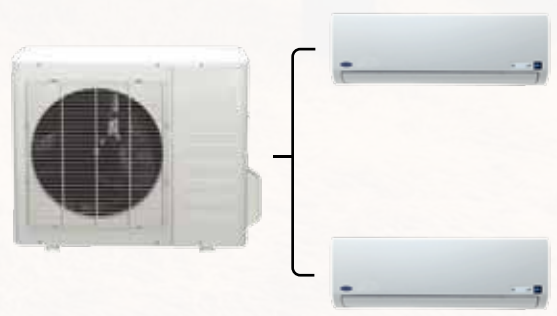


Features

- **Electrostatic Active Carbon filter** - Eliminates odours and deactivates harmful gases. Also traps the dust particles, smoke and pet fur to prevent from allergic reactions.
- **Two direction air vane** ensure air blows out horizontally in cooling & vertically in heating mode.
- **Temperature compensation** to eliminate difference between ceiling and floor temperatures.
- **Hydrophilic Aluminum fins** – Non sticky coating prevents from water to stick on evaporator coil, improving heat exchange efficiency, and also restricting growth of bacteria and other microorganisms.

Options

- Anti-Corrosive **Gold Condenser Fin.**
- **Silver Ion Filter** - Anti-Bacterial.
- **Bio Filter** – Anti-Dust, Anti-Bacterial, Anti-Fungi.
- **Vitamin C Filter** – Anti-Ageing, good for skin.
- **Ionizer** – Generates negative oxygen ions, more fresh air.
- **Plasma** – Generates high voltage ionized zone, which converts polluted air into plasma. Ionized dust, pollen & smoke particles are attracted to the electrostatic filter.
- **Follow Me** – Temperature is regulated based on temperature around remote control sensed by the sensor in it.



Remote Control



Technical Specifications

Outdoor Model No.			38QCT018713VG	38QCT027713VG
Cooling	Capacity	kW	5.28	7.4
	Input Power	W	1640	2460
	EER	W/W	3.21	3.0
Heating	Capacity	kW	6.15	7.9
	Input Power	W	1710	2190
	COP	W/W	3.6	3.6

Specifications of outdoor				
Compressor type			Rotary	
Maximum No. of connected indoors			2	3
Maximum Pipe Length (each indoor)		m	20	20
Maximum Height Difference (each indoor)		m	8	8
Noise Level		dB(A)	53	55
Outdoor unit	Dimension (WxDxH)	mm	845x335x695	
	Weight	kg	53.5	57
Pipe Connection Sizes	Gas	mm	9.53	9.53
	Liquid	mm	6.35 x 2	6.35 x 3
Ambient temperature (Cooling) / (Heating)		°C	0 to 50 °C / -15 to 24 °C	

Indoor Model			42QCP007713VG	42QCP009713VG	42QCP012713VG
Cooling	Capacity	kW	2.05	2.64	3.52
	Input Power	W	36	36	40
Heating	Capacity	kW	2.34	3.2	4.1
	Input Power	W	36	36	40

Specifications of indoor					
Air Flow (H/M/L)		m ³ /h	450/370/320	450/370/320	570/500/420
Noise Level (H/M/L)		dB(A)	35/30/25	35/30/25	38/32/27
Indoor unit	Dimension (WxDxH)	mm	710x190x250	710x190x250	790x198x265
	Weight	kg	7.5	7.5	9

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.

H/M/L: High - Medium - Low speed

Combination Table for Multi Inverter

System 2 - 38QCT018713VG - Cooling

Combination	Combinations		Rated Capacity(kW)		Total Cooling Capacity(kW)			Total Power Input (kW)			EER (w/w)
	Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
1 Unit Operation	7k	—	2.30	—	1.40	2.30	3.24	0.41	0.73	0.92	3.15
	9k	—	2.70	—	1.57	2.70	3.27	0.46	0.84	1.07	3.21
	12k	—	3.48	—	1.95	3.48	4.56	0.59	1.09	1.41	3.19
2 Unit Operation	7k	7k	2.16	2.16	1.81	4.32	5.62	0.53	1.33	1.66	3.25
	7k	9k	2.07	2.68	2.00	4.75	6.08	0.58	1.45	1.83	3.28
	7k	12k	2.07	3.31	2.26	5.38	6.89	0.66	1.66	2.14	3.24
	9k	9k	2.60	2.60	2.08	5.20	6.34	0.65	1.62	2.06	3.21
	9k	12k	2.46	3.02	2.30	5.48	6.63	0.67	1.68	2.15	3.26
	12k	12k	2.75	2.75	2.31	5.50	6.66	0.67	1.69	2.16	3.25

System 2 - 38QCT018713VG -Heating

Combination	Combinations		Rated Capacity(kW)		Total Heating Capacity(kW)			Total Power Input (kW)			COP (w/w)
	Unit A	Unit B	Unit A	Unit B	Min.	Rated	Max.	Min.	Rated	Max.	
1 Unit Operation	7k	—	2.45	—	1.30	2.45	3.16	0.37	0.69	0.87	3.55
	9k	—	2.98	—	1.52	2.98	3.90	0.45	0.82	1.06	3.63
	12k	—	3.95	—	1.98	3.95	4.98	0.60	1.09	1.41	3.62
2 Unit Operation	7k	7k	2.47	2.47	2.07	4.94	6.27	0.64	1.36	1.70	3.63
	7k	9k	2.36	3.06	2.28	5.42	6.88	0.60	1.49	1.87	3.64
	7k	12k	2.33	3.72	2.54	6.05	7.50	0.66	1.65	2.03	3.67
	9k	9k	3.05	3.05	2.56	6.10	7.38	0.67	1.67	2.06	3.65
	9k	12k	2.94	3.61	2.75	6.55	7.93	0.72	1.80	2.20	3.64
	12k	12k	3.36	3.36	2.82	6.72	8.13	0.74	1.85	2.24	3.63

System 3 - 38QCT027713VG -Cooling

Combination	Combinations			Rated Capacity(kW)			Total Cooling Capacity(kW)			Total Power Input (kW)			EER (w/w)
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
1 Unit Operation	7k	—	—	2.30	—	—	1.38	2.30	2.94	0.48	0.73	0.93	3.15
	9k	—	—	2.70	—	—	1.62	2.70	3.46	0.56	0.85	1.09	3.18
	12k	—	—	3.46	—	—	2.08	3.46	4.43	0.72	1.10	1.40	3.15
2 Unit Operation	7k	7k	—	2.18	2.18	—	1.83	4.35	5.39	0.55	1.38	1.76	3.15
	7k	9k	—	2.07	2.68	—	2.00	4.75	5.89	0.60	1.50	1.92	3.17
	7k	12k	—	2.07	3.31	—	2.26	5.38	6.62	0.67	1.67	2.14	3.22
	9k	9k	—	2.70	2.70	—	2.27	5.40	6.64	0.67	1.67	2.14	3.23
	9k	12k	—	2.68	3.30	—	2.51	5.98	7.30	0.74	1.84	2.36	3.25
	12k	12k	—	3.42	3.42	—	2.87	6.84	8.28	0.85	2.12	2.72	3.23
3 Unit Operation	7k	7k	7k	2.18	2.18	2.18	2.75	6.54	7.91	0.81	2.03	2.60	3.22
	7k	7k	9k	2.04	2.04	2.65	2.82	6.72	8.13	0.83	2.08	2.66	3.23
	7k	7k	12k	2.07	2.07	3.31	3.13	7.45	9.01	0.92	2.29	2.93	3.25
	7k	9k	9k	2.07	2.69	2.69	3.13	7.45	9.01	0.92	2.29	2.87	3.25
	7k	9k	12k	2.00	2.60	3.20	3.28	7.80	9.44	0.96	2.39	2.99	3.26
	7k	12k	12k	1.93	3.09	3.09	3.40	8.10	9.80	1.00	2.49	3.07	3.25
	9k	9k	9k	2.60	2.60	2.60	3.28	7.80	9.44	0.96	2.40	3.00	3.25
	9k	9k	12k	2.51	2.51	3.09	3.40	8.10	9.80	0.99	2.48	3.05	3.27
	9k	12k	12k	2.35	2.90	2.90	3.42	8.15	9.86	1.01	2.52	3.09	3.23

System 3 - 38QCT018713VG -Heating

Combination	Combinations			Rated Capacity(kW)			Total Heating Capacity(kW)			Total Power Input (kW)			COP (w/w)
	Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	Min.	Rated	Max.	Min.	Rated	Max.	
1 Unit Operation	7k	—	—	2.45	—	—	1.47	2.45	3.14	0.46	0.71	0.90	3.45
	9k	—	—	2.96	—	—	1.78	2.96	3.79	0.56	0.86	1.09	3.44
	12k	—	—	3.75	—	—	2.18	3.75	4.80	0.69	1.07	1.35	3.50
2 Unit Operation	7k	7k	—	2.40	2.40	—	2.02	4.80	6.00	0.54	1.35	1.73	3.56
	7k	9k	—	2.33	3.02	—	2.25	5.35	6.69	0.60	1.50	1.92	3.57
	7k	12k	—	2.33	3.72	—	2.54	6.05	7.44	0.68	1.71	2.19	3.54
	9k	9k	—	3.00	3.00	—	2.52	6.00	7.38	0.67	1.68	2.15	3.57
	9k	12k	—	2.89	3.56	—	2.71	6.45	7.80	0.71	1.78	2.23	3.62
	12k	12k	—	3.45	3.45	—	2.90	6.90	8.35	0.76	1.90	2.43	3.63
3 Unit Operation	7k	7k	7k	2.37	2.37	2.37	2.98	7.10	8.59	0.78	1.96	2.51	3.62
	7k	7k	9k	2.27	2.27	2.95	3.15	7.50	9.08	0.83	2.07	2.65	3.62
	7k	7k	12k	2.31	2.31	3.69	3.49	8.30	10.04	0.91	2.29	2.86	3.62
	7k	9k	9k	2.31	3.00	3.00	3.49	8.30	10.04	0.92	2.29	2.87	3.62
	7k	9k	12k	2.24	2.92	3.59	3.68	8.75	10.59	0.97	2.42	3.03	3.62
	7k	12k	12k	2.15	3.45	3.45	3.80	9.05	10.95	1.00	2.49	3.07	3.63
	9k	9k	9k	2.92	2.92	2.92	3.68	8.75	10.59	0.97	2.42	3.02	3.62
	9k	9k	12k	2.80	2.80	3.45	3.80	9.05	10.95	0.99	2.48	3.05	3.65
	9k	12k	12k	2.63	3.24	3.24	3.82	9.10	11.01	1.00	2.50	3.08	3.64



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