



*...it cares about you!*

Vision

Vision



**air conditioners**

**Product** Catalogue **2015**



**Inventor A.G. S.A.** is a dedicated company in the Air Conditioning industry with more than 50 years of experience. We are providing excellent Air Cooling Solutions for any home or business! Our exceptionally designed products meet the highest quality standards. Choose Inventor and become part of an amazing growing brand!



## Products

In this catalogue you will find ECO Design products with a high energy class **A++** rating, and advanced DC 10 and All DC Inverter technology. Also, we have provided the important technical material for all of our air conditioner models along with some useful information about technologies, energy savings, and usage.

editorial

Journal of  
 Editorial  
 Editor

# Inventor Plan 2020 Renewable Energy Sources

**Inventor**  
 Invests in  
 air-conditioning  
 solutions  
 with a high  
**SEER & SCOP**



**renewable**  
 Energy Sources  
 Penetration

Final Gross  
 Energy Consumption  
 according to the 2009/28/EC  
 European Union directive



**less**  
 Primary Energy Consumption



**less**  
 CO<sub>2</sub>  
 Emissions

Compared to the  
 1990 levels according  
 to the 2009/28/EC  
 European Union directive

## **Inventor** Respectful Environmental Green Attitude

**Energy Efficiency Standard**  
 Our main goal is to provide high efficiency, energy saving products even during peak hours. Innovative technologies are integrated to reduce energy consumption. We strive for continuous optimization and advanced solutions.

**Reduced Noise Emissions**  
 Considering the reduction of noise emissions as a pivotal part of the solution to environmental pollution, INVENTOR is investing in a sequence of very strict tests and procedures in order to import products that are much more silent and eco-friendly than their predecessors.

**ECO DESIGN**  
 All INVENTOR air conditioners are functioning with a primary focus on energy efficiency and low energy costs while complying with all the EU guidelines and laws on environmental pollution. We offer all the necessary credentials to ensure that the users will enjoy high performance products while preserving the environment and furthermore raising their consciousness of environmental issues.

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# Inventor WiFiReady... technology that cares

You can now control the temperature anytime anywhere



Inventor's application **INVMATE** for smartphones and tablets...



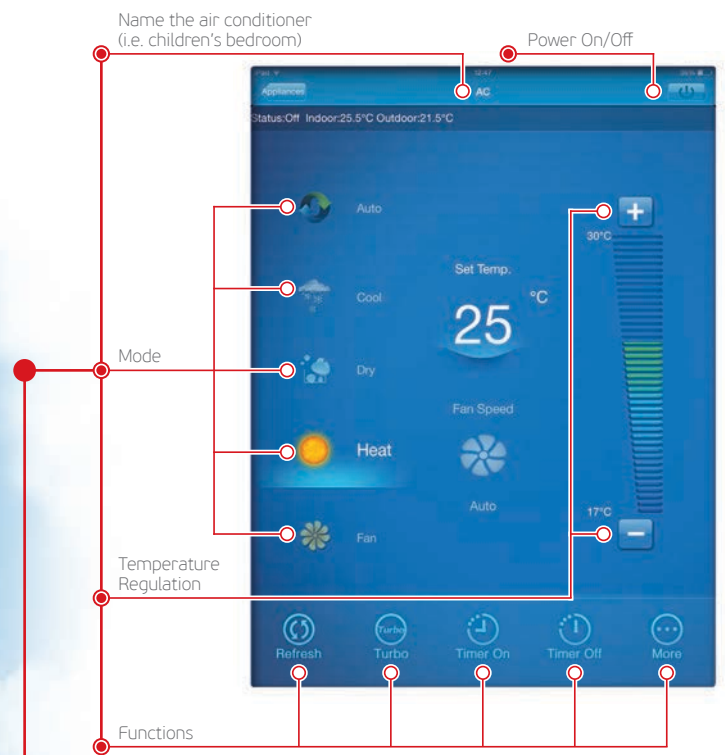
...can assist you wherever you are...

...to create anytime...

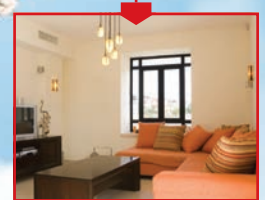


...ideal living conditions for the ones you love...

...simple easy and fast...



...with just one click!



Turn on the air conditioner in your living room



Freshen the air in your child's room



Start cooling your home before you arrive



Ideal living condition for the ones you love

Inventor provides solutions for smart houses

## INVmate application

Inventor introduces the smartest way for you to control your air conditioner! Start taking control of the temperature while saving time and energy by simply opening your smartphone or tablet.

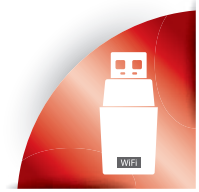


The application is available at...



### What do I need to connect the WiFi?

When the installation of the air conditioning unit is complete, you will need ...



**WiFi Module**  
Not included in the package of the unit



**WiFi network**  
in your home



Your **smartphone** or **tablet**

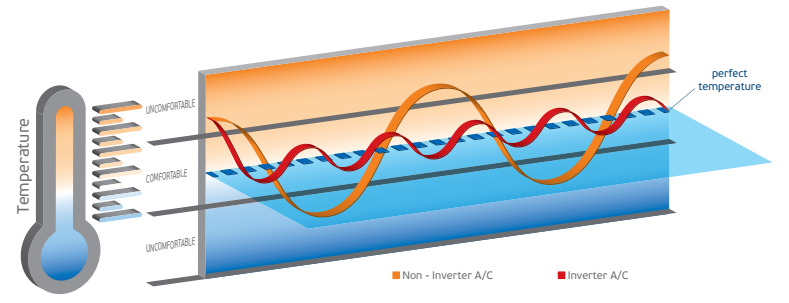


# Inventor Superior Technology

## Energy Saving All DC Inverter

All DC Inverter technology generates the air conditioning units to operate more efficiently and economically. All DC Inverter superior technology is implemented in almost all Inventor air conditioners and can:

**50% ENERGY Saving**



- ✓ Achieve the ideal temperature quickly and efficiently
- ✓ Provide stable and efficient operation even in extreme weather conditions
- ✓ Save up to 60% energy in comparison to conventional air conditioners

*Inventor Air conditioners are the ideal solution for the winter and summer*

## Outdoor Units

Outdoor units are designed to ensure a more rugged and durable operation under any circumstances



## Indoor Units

Indoor units are designed using today's modern trends and they create the perfect conditions while meeting high efficiency standards



**Internal Super 12 Speed Fan**  
Internal fan has 12 speeds that provide a more accurate temperature control while created the ideal comfortable living conditions.

**Innovative 3D Air Flow**  
The renewed design creates uniform air distribution in all dimensions. The vent swings not only move horizontally but vertically as well, dispersing the air smoothly even in the most difficult spots.

**Wide Range Voltage Operation**  
The wide range voltage operation, 170-265V, allows the units to run even in areas with an unstable power network without causing any fatigue to the compressor or impact on the boards.

**External Fan DC INVERTER 5 speeds**  
Increasing speed from 2 up to 5, DC INVERTER outdoor fan offers stable cooling and heating operation even in the most extreme weather conditions.

**Wide Range Efficiency in Cooling and Heating**  
The new 25-stage compressor increases the operating efficiency range up to 70%. The air conditioner works more smoothly and provides a constant internal temperature for an extra comfortable environment with energy savings.

**Inventor Compressors**  
Inventor very carefully chooses the compressors implemented in the outdoor units. The main objective is to have reduced vibrations and efficient, uninterrupted operation.

# Inventor Air Conditioning Solutions Perfect Choice for Summer & Winter



## Cooling

The outdoor units special design produces an efficient and effective cooling operation, even at +50°C. Inventor air conditioning units are running effectively without the use of additional aids.



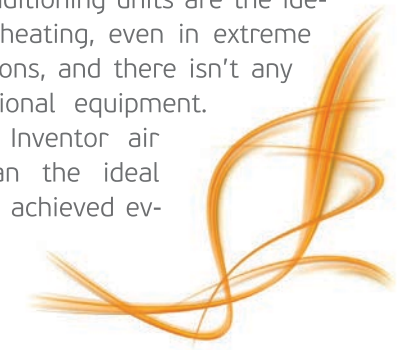
## Energy Class

Inventor air conditioners have been classified among the highest in energy classes. Energy class indicates the level of energy savings. Achieving a higher energy rating means you achieve higher energy savings. The air conditioning units have four energy class indicators, one for the cooling operation and three for the heating operation. The three classes in the heating operation are dependent upon where you are located. The lowest energy class is D and the highest is A+++.



## Heating

Inventor air conditioning units are the ideal solution for heating, even in extreme weather conditions, and there isn't any need for additional equipment. Only by using Inventor air conditioners can the ideal temperature be achieved everywhere, even at -20°C.





# Inventor innovation and technology

## 1 Watt standby

Less power consumption in standby mode and energy savings up to 80% per day.

## Powerful self-cleaning

With a touch of a button on the remote your air conditioner cleans itself! The process only takes 17 minutes. The first 13 minutes the indoor unit runs in fan mode in order to dry the inner parts of the unit. The next 2 minutes the unit will run in heating mode to destroy bacteria and fungi. The last 2 minutes the unit returns to fan mode for a final cleaning of the inner parts. The unit then powers down and remains ready for the next use.

## Heating 8°C

Prevent potential weather damages in places that are not heated and pose risks during the winter. The cold and frost can damage furniture, break pipes and cause trouble in every household. Enable the 8°C function and the air conditioner only heats the room as needed while maintaining a stable room temperature of 8°C. Start protecting your assets while enjoying low energy consumption that maximizes your energy savings throughout the winter.

## Smart Display

The «°C» icon is blue when the air conditioner is in cooling mode and orange when it is in heating mode. The green «ECO» icon is activated when the unit is corresponding to the ECO function, and the «WiFi» icon will light up when the unit is connected to the wireless network.

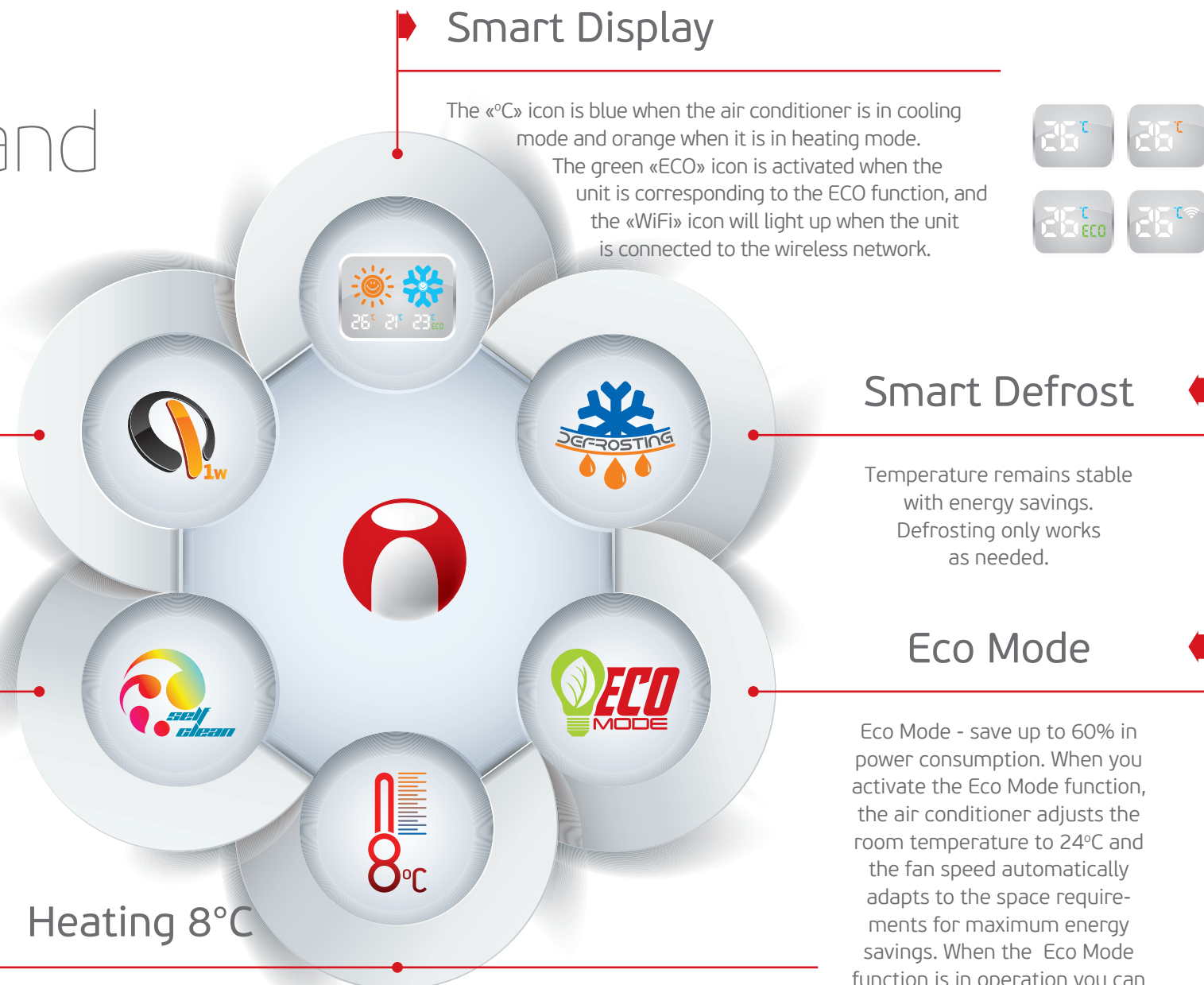


## Smart Defrost

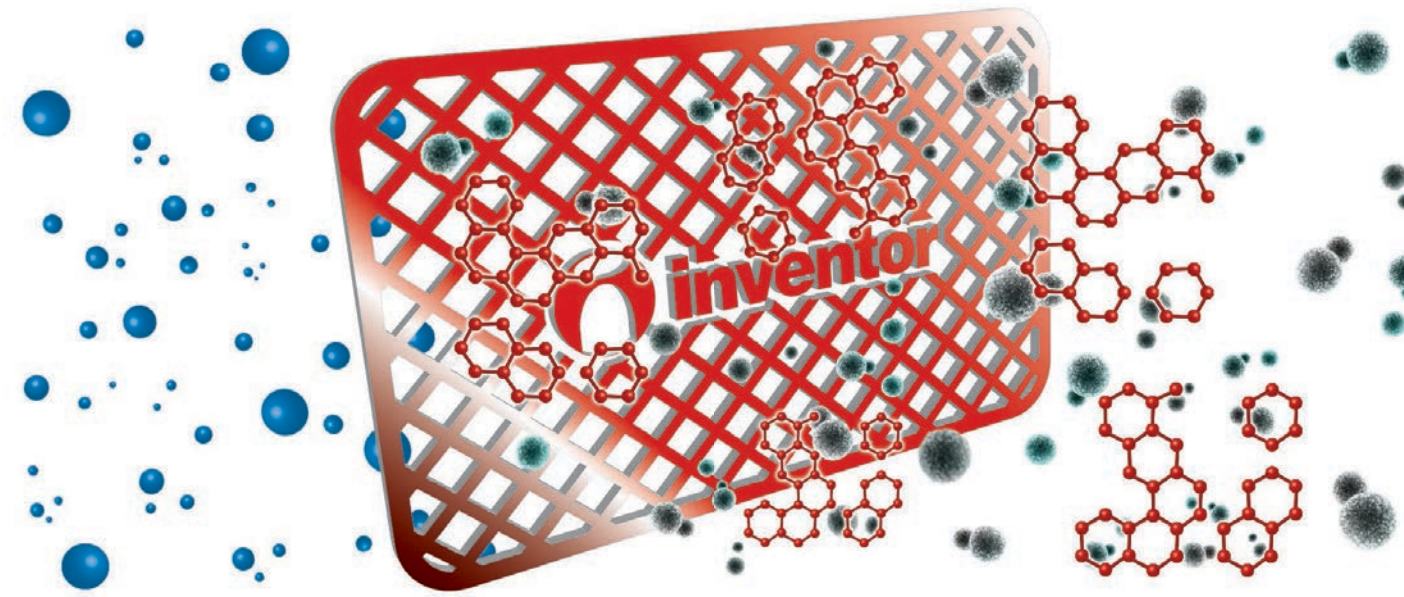
Temperature remains stable with energy savings. Defrosting only works as needed.

## Eco Mode

Eco Mode - save up to 60% in power consumption. When you activate the Eco Mode function, the air conditioner adjusts the room temperature to 24°C and the fan speed automatically adapts to the space requirements for maximum energy savings. When the Eco Mode function is in operation you can adjust the room temperature between 24°C and 30°C, saving more than 60% in energy consumption.



# Inventor for a pure and healthy environment

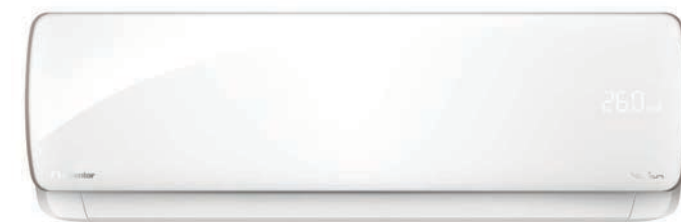


● fresh air      ● ions      ● bacteria

## iO Technology Smart Air Ionizer



Inventor provides Smart Air Ionizing Technology with our latest premium model Vision, helping to create a purified home environment through air purifying technology. A series of air filters located in the indoor unit removes airborne viruses, allergens, and even unpleasant odors. In addition to improved air quality, Vision is equipped with a Superpower Ionizer, a Vitamin C Filter, a Silver Ion Filter, and a Cold Catalyst Filter.



**Visionwifiready**

## WellMore Advanced Ionizer System



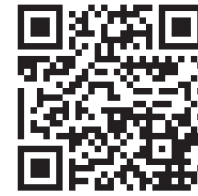
The WellMore Ionizer releases millions of ions into your room eliminating unpleasant odors, bacteria and fungi. The WellMore ionizer's innovative system not only disinfects, deodorizes, and filters the air in your room but also within the unit surrounding the harmful elements and eliminating them with eco natural compounds! Air conditioning with Ionizer Passion! Technological excellence for the ones you love the most.



**Passionwifiready**

# Btu calculator

The most advanced tool for choosing the perfect air conditioner!



Scan and find your suitable air conditioner

Estimate your AC needs **btu calculator**

<http://www.inventorairconditioner.com/btu-calculator/>

## Location

Choose your location



**btu calculator**

Surface (m<sup>2</sup>)

Location

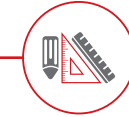
Area type  Residential  Commercial

Glazing  Single  Double

Insulation  No  Yes

Altitude  Less than 400 meters  More than 400 meters

**btu calculator**



## Surface (m<sup>2</sup>)

Precisely fill in the square meters of the space you desire the air conditioner to cover



## Area type

Select whether the space is residential or commercial



## Insulation

Choose whether insulation of the building is good or not

## Windows

Single or double windows



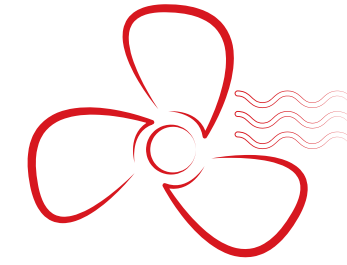
## Altitude

Choose the altitude accordingly



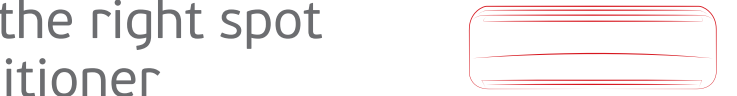
## 1. How to choose the most suitable air conditioner

Choosing a suitable air conditioner plays a vital role in saving energy. Choosing a smaller unit than what is required forces the air conditioner to run longer hours which results in higher power consumption. Likewise, choosing a larger unit than what is needed forces the unit to function poorly. There are not any adequate energy savings in either of these cases. A professional installer will consult options with you and suggest a suitable air conditioner. Inventor is providing an easy and useful guide through the website [www.inventorairconditioner.com](http://www.inventorairconditioner.com). By answering five simple questions, you can quickly find the perfect air conditioner that fits your conditions.



## 2. How to choose the right spot for the air conditioner

Does choosing the right spot to install the air conditioner give you a headache? Usually we think of the room's aesthetics without taking performance, operation, or the airflow of the air conditioner into consideration. Professional installers can recommend the ideal spot by keeping all of these aspects in mind and they will provide you with the best solution with the greatest results and highest efficiency.



## 3. How to choose the right temperature

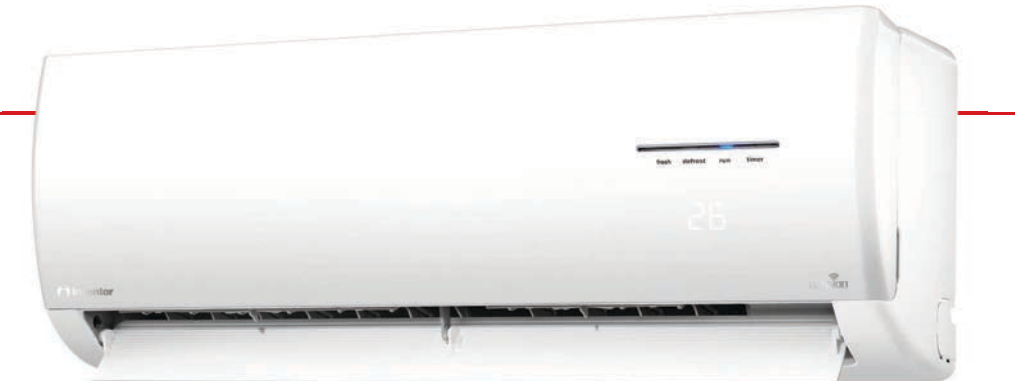


Adjust the temperature of your room accordingly  
When the heating mode (winter) is on, please set the temperature between 20°C - 25°C.  
And when the cooling mode (summertime) is on, please set the temperature between 26°C - 29°C.

## 4. How to adjust the swings



Adjust the indoor unit swings correctly according to its function. When operating in the heating mode (winter), adjust the swings to direct the air as low as possible. Warm air has the tendency to rise. When operating in the cooling mode (summertime), adjust the swings to direct the air as high as possible. Cold air has the tendency to fall.





# residential **air conditioning**



visionwifi

passionwifi

life

spirit

multi split  
free match





**V4MVI-09WFR/V4MVO-09**  
Cooling Capacity (BTU/h): 9.500 (2.500-12.000)  
Heating Capacity (BTU/h): 10.500 (2.500-13.500)

**V4MVI-12WFR/V4MVO-12**  
Cooling Capacity (BTU/h): 12.000 (2.500-14.000)  
Heating Capacity (BTU/h): 13.000 (2.500-16.000)

**V4MVI-18WFR/V4MVO-18**  
Cooling Capacity (BTU/h): 18.000 (3.000-20.500)  
Heating Capacity (BTU/h): 19.000 (3.000-21.500)

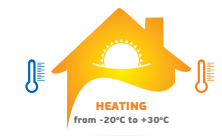
**V4MVI-24WFR/V4MVO-24**  
Cooling Capacity (BTU/h): 24.000 (4.800-26.500)  
Heating Capacity (BTU/h): 26.000 (5.500-28.000)

Pdesign (kW)	COOLING			HEATING (Middle Zone)			HEATING (Warm Zone)				
	Energy Class (Cooling)	SEER (Energy Class)	Annual Consumption (kWh/cool)	Energy Class (Middle Zone)	SCOP (Energy Class)	Annual Consumption (kWh/heat)	Energy Class (Warm Zone)	SCOP (Energy Class)	Annual Consumption (kWh/heat)		
2.8	A++	6.5	150	2.4	A+	4.0	840	2.6	A+++	5.1	714
3.5	A++	6.4	191	2.5	A+	4.0	875	3.5	A+++	5.1	961
5.2	A++	7.4	246	4.4	A+	4.0	1.540	5.3	A+++	5.1	1.455
7.0	A++	6.1	402	5.4	A+	4.0	1.890	6.2	A++	4.8	1.808

Seasonal Efficiency (In accordance to EN14825)

R410A		V4MVI-09WFR / V4MVO-09	V4MVI-12WFR / V4MVO-12	V4MVI-18WFR / V4MVO-18	V4MVI-24WFR / V4MVO-24
Voltage / Frequency / Phase (V/Hz/Ph)		220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1
Current Input (A)	Cooling / Heating	0.6-8.2 / 0.7-6.5	0.6-7.2 / 0.7-7.7	0.6-10.6 / 1-10.3	1.1-13.7 / 1.6-13.4
Power Input (W)	Cooling / Heating	130-1.355 / 150-1.415	130-1.580 / 160-1.675	130-2.310 / 210-2.250	230-2.990 / 340-2.930
Air Flow Volume (High/Med/Low) (m³/h)		490/430/310	500/440/320	710/610/510	1.060/860/670
Noise Level (dB(A))	Indoor unit (High/Med/Low)	21 / 24 / 31 / 39	21 / 24 / 31 / 39	23 / 34 / 39 / 44	24 / 32 / 40 / 48
	Outdoor unit	55	55	58.5	60
Sound Power Level (dB(A))	Indoor unit / Outdoor unit	55 / 64	52 / 61.2	60 / 65	63 / 70
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
Liquid line / Gas line		1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
Power Supply Wire Outdoor (Noxmm²) / Fuses (A)		3x1.5 / 10	3x1.5 / 10	3x2.5 / 16	3x2.5 / 16
Signal Wires (Noxmm²)		5x1.5	5x1.5	5x1.5	5x1.5
Dimensions WxDxH (mm)	Indoor unit	770x200x294	850x204x302	1.010x230x326	1.130x240x340
	Outdoor unit	810x310x558	810x310x558	810x310x558	845x320x700
Net Weight (kg)		7.2 / 30	8.5 / 30.5	11.4 / 36	13.7 / 49.8
Refrigerant		R410A / 850g	R410A / 1.030g	R410A / 1.650g	R410A / 1.950g
Operation Temperature Range (°C)	Cooling / Heating	-15°C ~ 50°C / -20°C ~ 30°C	-15°C ~ 50°C / -20°C ~ 30°C	-15°C ~ 50°C / -20°C ~ 30°C	-15°C ~ 50°C / -20°C ~ 30°C

SPECIFICATIONS



V4MVI



A++  
Energy Class

WiFi  
WIFI READY

Eco  
MODE

All DC  
INVERTER  
Technology

Innovative 3D Air  
Distribution

Smart Air Ionizing  
Technology

CL - Air Filter  
Reminding Function

iFEEL  
Function

Filter Sterilization  
Against Allergies

21dB(A)  
Quiet  
Operation

Smart  
Display

# visionwifiready

Vision! Cutting edge technology for a clean and hygienic environment! Equipped with innovative technology, ionized air, low noise level, high efficiency and Eco MODE function. Excellence and high performance superiority!

**A++ Energy class\***  
The higher and more efficient performance rating maximizes your energy savings.

**Smart WiFi Ready Unit**  
Refer to pages 6-7 of this catalogue.

**ECO mode - 60% Energy Saving**  
Refer to page 10 of this catalogue.

**Innovative 3D air distribution**  
The renewed design creates uniform air distribution in all dimensions. The vent swings not only move horizontally but vertically as well dispersing the air smoothly even in the most difficult spots.

**iFeel function**  
A smart sensor is located on the remote control. When the iFeel function is activated the set temperature synchronizes with the smart sensor. Your set temperature will follow you wherever you and the remote go offering extra comfort and energy savings.

**Smart Air Ionizing Technology**  
Refer to page 10 of this catalogue.

**CL - Air Filter Reminding Function**

**Smart Display**  
Refer to page 10 of this catalogue.

\*Energy classification refers to the cooling mode

### Smart Air Ionizer Technology

**Superpower Ionizer**  
The Superpower Ionizer produces positive and negative ions. When these ions collide they release an enormous energy which destroys odors, dust and smoke while leaving your environment clean and fresh.

**Filter sterilization against allergies**  
Removes even the smallest dust particles from the air. Also removes allergy and viral disease causing microbes, filling your room with healthy pure air.

**Vitamin C Filter**  
It increases collagen production. The filtered air softens the skin and reduces stress.

**Silver Ion filter**  
The Silver Ions eliminate the existing bacteria and microbes in the air. It provides fresh odorless air, helping to prevent mold.

**Cold Catalyst Filter**  
It absorbs odors and harmful gases from the environment while successfully eliminating formaldehyde and volatile organic compounds (VOCs).



Model	Cooling Capacity (Btu/h)	Heating Capacity (Btu/h)
P4MVI-09WFR / P4MVO-09	9.000 (4.390-11.250)	10.000 (3.300-12.700)
P4MVI-12WFR / P4MVO-12	12.000 (4.870-15.240)	13.000 (3.380-16.640)
P4MVI-18WFR / P4MVO-18	17.500 (5.800-20.300)	18.000 (3.820-21.780)
P4MVI-24WFR / P4MVO-24	24.000 (9.650-26.900)	26.000 (7.100-31.200)

Model	COOLING				HEATING (Middle Zone)				HEATING (Warm Zone)			
	Seasonal Efficiency	Energy Class	SEER	Annual Consumption	Seasonal Efficiency	Energy Class	SCOP	Annual Consumption	Seasonal Efficiency	Energy Class	SCOP	Annual Consumption
P4MVI-09WFR / P4MVO-09	2.6	A++	6.1	149	2.4	A+	4.0	840	2.8	A+++	5.1	769
P4MVI-12WFR / P4MVO-12	3.5	A++	6.7	182	3.2	A+	4.0	1.120	3.8	A+++	5.1	1.043
P4MVI-18WFR / P4MVO-18	5.1	A++	6.4	278	4.5	A+	4.0	1.575	5.2	A+++	5.1	1.427
P4MVI-24WFR / P4MVO-24	7.0	A++	6.6	371	5.3	A+	4.0	1.855	6.3	A+++	5.1	1.729

Seasonal Efficiency (In accordance to EN14825)

R410A		P4MVI-09WFR / P4MVO-09	P4MVI-12WFR / P4MVO-12	P4MVI-18WFR / P4MVO-18	P4MVI-24WFR / P4MVO-24
Voltage / Frequency / Phase (V/Hz/Ph)		220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1
Current Input (A)	Cooling / Heating	0.49-5.52 / 0.64-5.78	0.45-7.47 / 0.7-7.57	0.62-9.95 / 0.78-9.91	0.9-13.9 / 1.5-14.9
Power Input (W)	Cooling / Heating	112-1.270 / 147-1.330	104-1.720 / 162-1.740	142-2.290 / 179-2.280	200-3.050 / 320-3.300
Air Flow Volume (High/Med/Low) (m³/h)		650/560/450	650/560/450	850/620/540	1.150/1.070/880
Noise Level (dB(A))	Indoor unit (High/Med/Low)	26 / 33 / 40	28 / 35 / 42	27 / 35 / 43	35 / 41 / 48
	Outdoor unit	57	56	61	60
Sound Power Level (dB(A))	Indoor unit / Outdoor unit	54 / 60	55 / 61	57 / 65	63 / 67
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
Liquid line / Gas line		1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
Power Supply Wire Outdoor (Noxmm²) / Fuses (A)		3x1.5 / 10	3x1.5 / 10	3x2.5 / 16	3x2.5 / 16
Signal Wires (Noxmm²)		5x1.5	5x1.5	5x1.5	5x1.5
Dimensions WxDxH (mm)	Indoor unit	800x188x275	800x188x275	940x205x275	1.045x235x315
	Outdoor unit	780x250x540	810x310x558	810x310x558	845x320x700
Net Weight (kg)		7.3 / 27.4	7.3 / 30.5	9 / 36.5	12 / 50
Refrigerant		R410A / 950g	R410A / 1.080g	R410A / 1.650g	R410A / 1.950g
Operation Temperature Range (°C)	Cooling / Heating	-15°C ~ 50°C / -15°C ~ 30°C	-15°C ~ 50°C / -15°C ~ 30°C	-15°C ~ 50°C / -15°C ~ 30°C	-15°C ~ 50°C / -15°C ~ 30°C

SPECIFICATIONS



P4MVI-WFR



passionwifiready

Technologically sophisticated air conditioners that meet modern needs. The application INVmate evolves the air conditioner's functions further. Now you can easily and quickly check the temperature wherever you are on your mobile phone or tablet! It has never been easier to cool your house so quickly!

**A++ Energy class\***  
The higher and more efficient performance rating maximizes your energy savings.

**Smart WiFi Ready Unit**  
Refer to pages 6-7 of this catalogue.

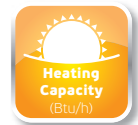
**iFeel function**  
A smart sensor is located on the remote control. When the iFeel function is activated the set temperature synchronizes with the smart sensor. Your set temperature will follow you wherever you and the remote go offering extra comfort and energy savings.

\*Energy classification refers to the cooling mode

**WellMore Air Ionizer**

- Air Ionizer**  
Generates negative ions that disinfect and sterilize the air while creating a healthy, secure, and tranquil environment
- Sterilization HEPA filter**  
Removes even the smallest dust particles from the air. Also removes allergy and viral disease causing microbes, filling your room with healthy pure air.
- Vitamin C Filter**  
It increases collagen production. The filtered air softens the skin and reduces stress.
- Silver Ion filter**  
The Silver Ions eliminate the existing bacteria and microbes in the air. It provides fresh odorless air, helping to prevent mold.
- Cold Catalyst Filter**  
It absorbs odors and harmful gases from the environment while successfully eliminating formaldehyde and volatile organic compounds (VOCs).





L2VI-09 / L2V0-09

8.530  
(2.047-9.554)

9.554  
(2.047-10.918)

L2VI-12 / L2V0-12

10.918  
(2.047-12.965)

11.601  
(2.047-12.966)

L2VI-18 / L2V0-18

17.504  
(4.299-22.519)

17.998  
(3.821-23.202)

L2VI-24 / L2V0-24

22.860  
(6.824-27.978)

24.737  
(6.824-29.002)

COOLING			
Power Sign (kW)	Energy Class (Cooling)	SEER (Energy Class)	Annual Consumption (kWh/cool)
2.5	A++	6.1	143
3.2	A++	6.1	184
5.1	A++	6.1	293
6.7	A++	6.3	373

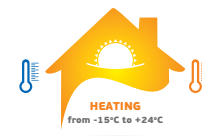
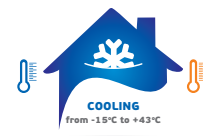
HEATING (Middle Zone)			
Power Sign (kW)	Energy Class (Middle Zone)	SCOP (Energy Class)	Annual Consumption (kWh/heat)
2.5	A+	4.0	875
3.2	A+	4.0	1.120
4.1	A+	4.0	1.435
6.4	A+	4.0	2.240

HEATING (Warm Zone)			
Power Sign (kW)	Energy Class (Warm Zone)	SCOP (Energy Class)	Annual Consumption (kWh/heat)
2.5	A+++	5.1	686
3.2	A+++	5.1	878
5.3	A+++	5.4	1.374
7.1	A+++	5.1	1.949

Seasonal Efficiency (In accordance to EN14825)

R410A CE E69001 E61000 RoHS COMPLIANT		L2VI-09 / L2V0-09	L2VI-12 / L2V0-12	L2VI-18 / L2V0-18	L2VI-24 / L2V0-24
Voltage / Frequency / Phase (V/Hz/Ph)		220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1	220-240 / 50 / 1
Current Input (A)	Cooling / Heating	3.60 / 3.50	4.50 / 4.4	7.0 / 6.3	8.32 / 8.63
Power Input (W)	Cooling / Heating	120-1.300 / 120-1.400	120-1.400 / 120-1.500	380-2.450 / 350-2.600	400-3.700 / 450-3.800
Air Flow Volume (High/Med/Low) (m³/h)		480/370/320/210	560/480/410/290	800/720/610/520	1.150/1.050/950/850
Noise Level (dB(A))	Indoor unit (High/Med/Low)	29 / 34 / 36 / 40	29 / 35 / 37 / 42	36 / 39 / 42 / 46	39 / 42 / 45 / 48
	Outdoor unit	51	52	56	60
Sound Power Level (dB(A))	Indoor unit / Outdoor unit	50 / 60	55 / 61	58 / 63	64 / 68
Compressor Type		Rotary	Swing	Rotary	Rotary
Liquid line / Gas line		1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 5/8"
Power Supply Wire Outdoor (Noxmm²) / Fuses (A)		3x1.5 / 10	3x1.5 / 10	3x2.5 / 16	3x2.5 / 16
Signal Wires (Noxmm²)		4x1.5	4x1.5	4x1.5	4x1.5
Dimensions WxDxH (mm)	Indoor unit	790x200x275	790x200x275	970x224x300	1.078x246x325
	Outdoor unit	776x320x540	842x320x596	955x396x700	955x396x700
Net Weight (kg)	Indoor unit / Outdoor unit	9 / 26.5	9 / 31	13.5 / 45	17 / 53
Refrigerant		R410A / 700g	R410A / 850g	R410A / 1.300g	R410A / 1.900g
Operation Temperature Range (°C)	Cooling / Heating	-15°C ~ 48°C / -15°C ~ 24°C	-15°C ~ 48°C / -15°C ~ 24°C	-15°C ~ 43°C / -15°C ~ 24°C	-15°C ~ 43°C / -15°C ~ 24°C

SPECIFICATIONS



L2VI



life

High efficiency and less energy consumption to ensure ideal conditions, this is what Life offers. Life is ecologically adapted to adjust to the modern needs of your life. You can now enjoy every moment at your home in perfect conditions!

**A++ Energy class\***  
The higher and more efficient performance rating maximizes your energy savings.

**Sleep Function**  
Sleep mode saves energy by gradually increasing (summer) or decreasing (winter) the indoor temperature, to match your body's temperature helping you sleep comfortably.

**Auto mode**  
It sets the unit to heating, cooling, or drying mode offering the ideal room temperature making things easy for you.

**Blow/X-fan Function**  
It eliminates unwanted moisture in the indoor unit during cooling mode operation. After turning off the air conditioner, the indoor unit's fan will keep running for a while in order to dry the indoor unit.

**Perfect Start Mode**  
The perfect start mode technology evaluates the existing room conditions and achieves the ideal starting temperature, regardless of the current environmental conditions. Helps to create a pleasant environment with great energy savings, without any inconvenience.

**Hot Start Operation**  
The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode.

**Auto Restart**  
Saves the last settings in case of power failure.

**Electric Expansion Valve (L2VI-24/L2V0-24)**

\*Energy classification refers to the cooling mode





**Cooling Capacity**  
(Btu/h)



**Heating Capacity**  
(Btu/h)


	COOLING			HEATING (Middle Zone)		
	Pdesign (kW)	Energy Class (Cooling)	SEER (Energy Class)	Pdesign (kW)	Energy Class (Heating Zone)	SCOP (Energy Class)
<b>U2MRSL(2)-18</b>	5.3	<b>A++</b>	6.3	5.8	<b>A+</b>	4.1
<b>U2MRSL(3)-27</b>	8.1	<b>A++</b>	7.0	8.6	<b>A</b>	3.9
<b>U2MRSL(4)-36</b>	10.55	<b>A+</b>	5.8	10.9	<b>A</b>	3.8



**A2MVI**



**LV2MCI**



**LV2MDI**



**LV2MLI**

	 <p><b>Cooling Capacity</b> (Btu/h)</p>	 <p><b>Heating Capacity</b> (Btu/h)</p>
<b>9.000</b>	<b>12.000</b>	<b>10.000</b>
<b>12.000</b>	<b>13.000</b>	<b>18.000</b>
<b>17.000</b>	<b>18.000</b>	<b>18.000</b>

	U2MRSL(2)-18	U2MRSL(3)-27	U2MRSL(4)-36
Voltage / Frequency / Phase (V/Hz/Ph)	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Indoor Number of Units (Min.-Max.)	1-2	1-3	1-4
Noise Level (dB(A))	61	61	64
Sound Power Level (dB(A))	63	67	67
Dimensions WxHxD (mm)	845x700x320	900x860x315	990x965x345
Net Weight Outdoor (kg)	48	62	78
Compressor Type	Twin-rotary	Twin-rotary	Twin-rotary
Liquid Line / Gas Line	2x1/4" / 3/8"	3x1/4" / 3/8"	4x1/4" / 3/8"
Power Supply Wire Outdoor (Noxmm2) / Fuses (A)	3x2.5 / 16	3x2.5 / 20	3x4 / 25
Refrigerant	R410A / 1.900g	R410A / 2.400g	R410A / 2.700g
Maximum Pipe Length (m)	Total	30	45
	For one Indoor Unit	20	25
Max. Height Difference Between Indoor and Outdoor Unit (m)	Outdoor Unit Higher than Indoor Unit	10	10
	Outdoor Unit Lower than Indoor Unit	15	15
Max. Height Difference Between Indoor Units (m)	10	10	10
Operation Temperature Range (°C)	Cooling / Heating	-15°C ~ 50°C / -15°C ~ 24°C	-15°C ~ 50°C / -15°C ~ 24°C

SPECIFICATIONS

**multi split**



**WARRANTY 5 YEARS**

**U2MRSL**





# multi split freematch

Multi split free match units offer flexibility, maximum savings, and high returns while meeting the requirements of your space. You can select up to 4 indoor units with one outdoor unit.

**Connection of one Outdoor Unit with up to Four Indoor Units**

**A++ Energy Class Eco Design Units**

**ALL DC INVERTER High Technology**  
DC INVERTER compressor and indoor / outdoor fan motors for the best efficiency in extreme weather conditions with maximum energy savings.

**Cooling Mode in Low Ambient temperatures from -15°C to +50°C**

**Flexible Installation**  
Maximum total pipe length up to 75m.

**5 Steps Outdoor Fan Speed**  
The outdoor DC fan motor speed increases from 2 steps to 5, delivering a significantly higher efficiency.

**Wide Operation Range**  
With up to 25 stages (F1-F25) compressor frequency. The frequency range is increased as much as 70%, allowing the system to run smoothly. It also provides accurate control for a comfortable environment and great energy savings.

**Wide Voltage Range (198-264V)**  
Suitable for unstable power supply areas.

**Power Relay Control**

**Low Noise Air Flow System**

**Hydrophilic Aluminum Fins**

**Discharge Pipe Sensor Protection**

**Electronic Expansion Valve Per Circuit**

**Error Diagnosis Display**

\*Energy classification refers to the cooling mode



## Wall Mounted Units

### 12 Steps Indoor Fan Speed

Up to 12 steps indoor fan speed, ensures more accurate temperature control and creates an ultra comfortable indoor environment.

### Cold Catalyst Filter

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

### Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode.

### Louver Position Memory

The horizontal louver will automatically move to the same position as it was set in the previous operation.

### Auto Restart

Saves the last settings in case of power failure.

### Auto Error Diagnosis

### Back - Lit Display

## Cassette Type 360°

### Compact Design

Suitable for easy installations in one standard ceiling tile.

### 360° Air Outlet

Creates a soft and gentle air-flow which circulates throughout the room and provides an even temperature distribution.

### External Air Duct Outlet

Flexible air supply due to air outlet slots.

### Fresh Air Intake

For a clean and healthy environment.

### Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode.

### Sleep Function

Sleep mode saves energy by gradually increasing (summer) or decreasing (winter) the indoor temperature, to match your body's temperature helping you sleep comfortably.

### Auto Restart

Saves the last settings in case of a power outage.

### Overflow Pump Indicator

Indicates the water level in order to empty the water tank on time.

### Built-in E-Box

The E-box is simply and safely built inside the indoor unit. This integrated design provides a more compact body size.

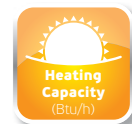
### Built-in Drain Pump

The drain pump can lift the condensing water up to 750mm.

## multi split



### A2MVI



A2MVI-09

9.000

10.000

A2MVI-12

12.000

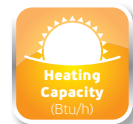
13.000

A2MVI-18

17.000

18.000

### LV2MCI



LV2MCI-09

9.000

10.000

LV2MCI-12

12.000

13.000

LV2MCI-18

18.000

18.000

SPECIFICATIONS

R410A    		A2MVI-09	A2MVI-12	A2MVI-18	LV2MCI-09	LV2MCI-12	LV2MCI-18
Voltage / Frequency / Phase (V/Hz/Ph)		230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Current Input (A)	Cooling	0.21	0.11	0.14	0.18	0.18	0.44
	Heating	0.21	0.11	0.14	0.18	0.18	0.44
Power Input (W)	Cooling	48	24	34	40	40	102
	Heating	48	24	34	40	40	102
Air Flow Volume (m <sup>3</sup> /h)		620/540/440	630/550/430	730/480/400	580	720	800
Noise Level (dB(A))		41/38/31	43/40/31	41/33/31	49	48	46
Sound Power Level (dB(A))		58	57	55	53	54	54
Dimensions WxHxD (mm)	Panel	-	-	-	647x50x647	647x50x647	647x50x647
	Indoor	800x275x188	800x275x188	940x275x205	570x260x570	570x260x570	570x260x570
Net Weight (kg)	Panel	-	-	-	2.5	2.5	2.5
	Indoor	7	7	9	16	16	18
Liquid Line / Gas Line		1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Static Pressure (Pa)		-	-	-	-	-	-
Operation	Cooling	17°C ~ 32°C	17°C ~ 32°C	17°C ~ 32°C	17°C ~ 32°C	17°C ~ 32°C	17°C ~ 32°C
	Heating	0°C ~ 30°C	0°C ~ 30°C	0°C ~ 30°C	0°C ~ 30°C	0°C ~ 30°C	0°C ~ 30°C

## multi split



### LV2MLI



LV2MLI-09

9.000

10.000

LV2MLI-12

12.000

13.000

LV2MLI-18

18.000

18.000

### LV2MDI



LV2MDI-09

9.000

10.000

LV2MDI-12

12.000





13.000

LV2MDI-18

18.000

20.000

SPECIFICATIONS

R410A    		LV2MLI-09	LV2MLI-12	LV2MLI-18	LV2MDI-09	LV2MDI-12	LV2MDI-18
Voltage / Frequency / Phase (V/Hz/Ph)		230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Current Input (A)	Cooling	0.13	0.17	0.22	0.13	0.17	0.48
	Heating	0.13	0.17	0.22	0.13	0.17	0.48
Power Input (W)	Cooling	30	40	50	30	40	107
	Heating	30	40	50	30	40	107
Air Flow Volume (m <sup>3</sup> /h)		680	650	740	600	680	1.000
Noise Level (dB(A))		47	47	48	43	43	46
Sound Power Level (dB(A))		57	57	59	55	55	56
Dimensions WxHxD (mm)	Panel	-	-	-	-	-	-
	Indoor	700x600x210	700x600x210	700x600x210	700x210x635	700x210x635	920x210x635
Net Weight (kg)	Panel	-	-	-	-	-	-
	Indoor	13	15	15	19.5	18	23
Liquid Line / Gas Line		1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Static Pressure (Pa)		-	-	-	40	40	70
Operation	Cooling	17°C ~ 32°C	17°C ~ 32°C	17°C ~ 32°C	17°C ~ 32°C	17°C ~ 32°C	17°C ~ 32°C
	Heating	0°C ~ 30°C	0°C ~ 30°C	0°C ~ 30°C	0°C ~ 30°C	0°C ~ 30°C	0°C ~ 30°C

## Console

### Compact Design

### Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode.

### Sleep Function

Sleep mode saves energy by gradually increasing (summer) or decreasing (winter) the indoor temperature, to match your body's temperature helping you sleep comfortably.

### Auto Restart

Saves the last settings in case of a power outage.

### Wide Angle Air Flow

For greater air circulation in cooling mode.

### 2 Ways Draining Connection

The drainage hose can be connected in both the left and the right side of the indoor unit for easy installation.

### Double Air Outlet

Air outlets on the top and bottom to enjoy fast heating.

## Ducted Units

### Super Slim Design

Smaller indoor unit's height compared to the conventional indoor units.

### Return Air Intake

Flexible air intake from the back or the bottom part of the unit.

### Fresh Air Intake

For a clean and healthy environment.

### Adjustable Static Pressure Switch

### Hot Start Operation

The indoor coil sensor controls the indoor fan and prevents cold air from entering the room during start up in heating mode.

### Auto Restart

Saves the last settings in case of a power outage.

### Sleep Function

Sleep mode saves energy by gradually increasing (summer) or decreasing (winter) the indoor temperature, to match your body's temperature helping you sleep comfortably.

### Ability to connect with BMS

# Combination Table

Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	U2MRSL(2)-18	U2MRSL(3)-27	U2MRSL(4)-36
9k	-	-	-	•	•	•
12k	-	-	-	•	•	•
18k	-	-	-	•	•	•
9k	9k	-	-	•	•	•
9k	12k	-	-	•	•	•
9k	18k	-	-	•	•	•
12k	12k	-	-	•	•	•
12k	18k	-	-	•	•	•
18k	18k	-	-	•	•	•
9k	9k	9k	-	•	•	•
9k	9k	12k	-	•	•	•
9k	9k	18k	-	•	•	•
9k	12k	12k	-	•	•	•
9k	12k	18k	-	•	•	•
9k	18k	18k	-	•	•	•
12k	12k	12k	-	•	•	•
12k	12k	18k	-	•	•	•
12k	18k	18k	-	•	•	•
18k	12k	18k	-	•	•	•

• : Available Combination of Indoor Units / - : Not selected Indoor Units / Blank : Unavailable Combination

# Combination Table

Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	Indoor Unit E	U2MRSL(2)-18	U2MRSL(3)-27	U2MRSL(4)-36
9k	9k	9k	9k	-			•
9k	9k	9k	12k	-			•
9k	9k	9k	18k	-			•
9k	9k	12k	12k	-			•
9k	9k	12k	18k	-			•
9k	9k	18k	18k	-			•
9k	12k	12k	12k	-			•
9k	12k	12k	18k	-			•
12k	12k	12k	12k	-			•
12k	12k	12k	18k	-			•
9k	9k	9k	9k	9k			
9k	9k	9k	9k	12k			
9k	9k	9k	9k	18k			
9k	9k	9k	12k	12k			
9k	9k	9k	12k	18k			
9k	9k	12k	12k	12k			
9k	12k	12k	12k	12k			

• : Available Combination of Indoor Units / - : Not selected Indoor Units / Blank : Unavailable Combination





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