



...it cares about you!

Vision

Vision

 **inventor**
Your-conditions

air conditioners

Product Catalogue **2015**



Your-conditions

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

Join the positive

Inventor Plan 2020 Renewable Energy Sources



renewable
Energy Sources
Penetration

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



less
Primary Energy Consumption



less
CO₂
Emissions

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

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

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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vision WiFi { 16
17

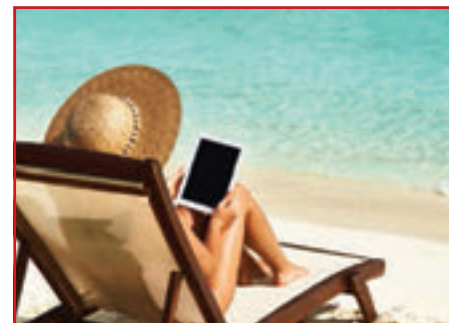
18 } passion WiFi
19

life { 20
21

22 } multi split free match
27

InventorWiFiReady... technology that cares

You can now control the temperature anytime anywhere



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



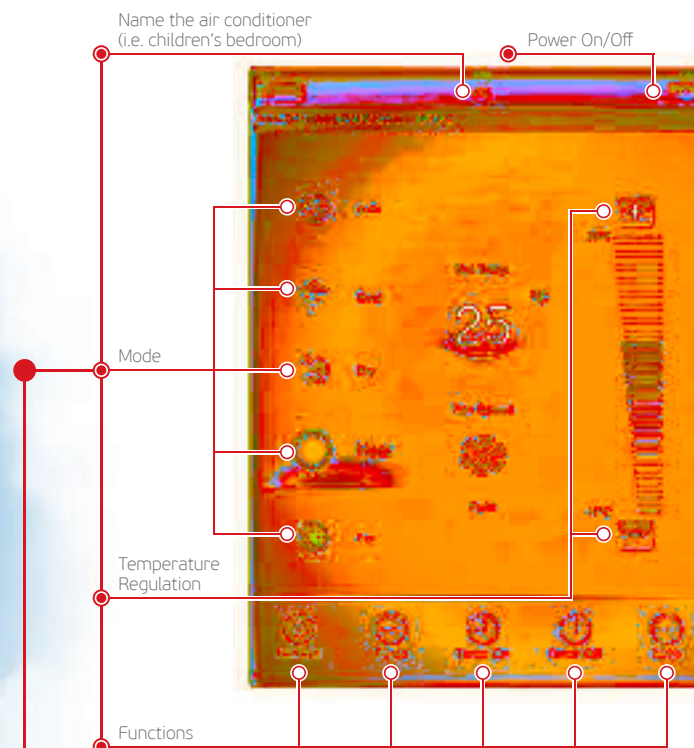
...can assist you wherever you are...

...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.

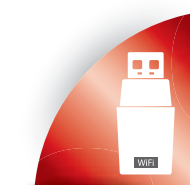


The application is available at...



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**



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 among the highest in 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+++.

Warm Zone
Average Zone
Cold Zone



Btucalculator

The most advanced tool for choosing the perfect air conditioner!



Scan and find your suitable air conditioner



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

Location

Choose your location



Surface (m²)

Location

Area type

• Residential • Commercial

Glazing

• Single • Double

Insulation

• No • Yes

Altitude

• Less than 400 meters • More than 400 meters

Surface (m²)

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



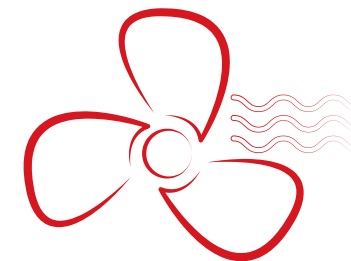
Altitude

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. 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

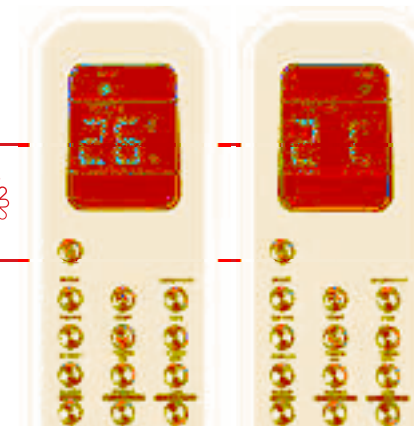
Does choosing the right spot to install the air conditioner give you a headache? Usually we think of the room's aesthetics without taking performance, operation, or the airflow of the air conditioner into consideration. Professional installers can recommend the ideal spot by keeping all of these aspects 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.







V4MVI-09WFR/V4MVO-09
(2.500-12.000) **9.500**
(2.500-13.500) **10.500**

V4MVI-12WFR/V4MVO-12
(2.500-14.000) **12.000**
(2.500-16.000) **13.000**

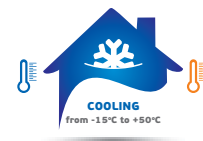
V4MVI-18WFR/V4MVO-18
(3.000-20.500) **18.000**
(3.000-21.500) **19.000**

V4MVI-24WFR/V4MVO-24
(4.800-26.500) **24.000**
(5.500-28.000) **26.000**

COOLING				HEATING (Middle Zone)				HEATING (Warm Zone)			
Pdesign (kW)	Energy Class (Cooling)	SEER (Energy Class)	Annual Consumption (kWh/cool)	Pdesign (kW)	Energy Class (Heating)	SCOP (Energy Class)	Annual Consumption (kWh/heat)	Pdesign (kW)	Energy Class (Heating)	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 CE E6 9001 E6 1001 RoHS COMPLIANT		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)	Indoor unit / Outdoor unit	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



V4MVI

A++
Energy ClassSmart Air Conditioner
WiFi Ready60%
Energy SavingsAll DC Inverter
TechnologyInnovative 3D Air
DistributionSmart Air Ionizing
TechnologyCL – Air Filter
Reminding FunctioniFeel
FunctionFilter Sterilization
Against AllergiesQuiet
OperationSmart
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

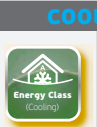
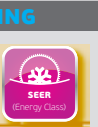
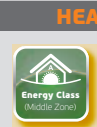
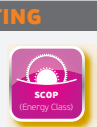
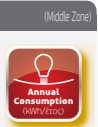
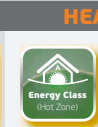
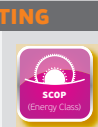
It increases collagen production. The filtered air softens the skin and reduces stress.

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).

														
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)												

Seasonal Efficiency (In accordance to EN14825)		L2VI-09 / L2V0-09		L2VI-12 / L2V0-12		L2VI-18 / L2V0-18		L2VI-24 / L2V0-24	
R410A    		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	



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.

ECO mode - 60% Energy Saving
(L2VI-18/L2V0-18 & L2VI-24/L2V0-24)
Refer to page 10 of this catalogue.

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.

0.5W Watt Standby
(L2VI-18/L2V0-18 & L2VI-24/L2V0-24)

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

8°C Function
(L2VI-18/L2V0-18 & L2VI-24/L2V0-24)
Refer to page 10 of this catalogue.

*Energy classification refers to the cooling mode



multi split

CombinationTable

Idoor Unit A	Idoor Unit B	Idoor Unit C	Idoor 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

multi split

CombinationTable

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	9 k	-			•
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	12k	12k	12k			
9k	12k	12k	12k	12k			
12k	12k	12k	12k	12k			

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



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Please contact your dealer.

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