



Discover Technology.

Light Commercial  
& Multi Split  
Systems Catalogue

2017



# Inventor in Greece

Inventor's dynamic presence in the Greek market is already counting 50 successful years. For half a century, Inventor has been able to hold an established position in the air-conditioning and electric appliances field, ensuring high quality products and excellent service.

We treat customers as our investments and aim to fully meet up to their needs by offering products of premium quality and superior design.



## Eco Consciousness

**Energy Efficiency:** Our goal is to achieve high performance with maximum energy efficiency. To reduce energy consumption and make sure that the user saves up as much as possible, we apply pioneering and innovative technologies and continue to improve our procedures.

**Reduced Noise Emissions:** Inventor invests in a series of strict control procedures and constantly enriches its product portfolio with low noise emission appliances as part of its effort to reduce environmental impact.



**ECO DESIGN:** All Inventor air-conditioners operate at maximum energy efficiency and energy saving, considering the guidelines given by the European Union when it comes to environmental protection. Our commitment to our customers is the ability to provide proof of the high-level performance and eco-friendly products, while trying to empower their ecological state of mind.



5 Year  
Warranty  
in all **Inventor**  
Air Conditioners

All Inventor Air Conditioners are accompanied with a 5-year warranty card. The high production quality and the special raw material, ensure the unique performance of Inventor Air Conditioners for an extended period of time, even in the most demanding conditions of operation. The Inventor Air Conditioners' competitive advantage is the engagement with our customers, relying on the quality and the accuracy of our products.



## Innovation

Coming through the Internet era, where information travels with the speed of light and the consumers' needs are constantly increasing. Taking these factors into account, Inventor ensures the fulfillment of these needs by offering high-tech and innovative products in order to upgrade its customers lifestyle.

Inventor was the first to apply the air conditioners' function through Wi-Fi (remote management) offering its customers the opportunity to enjoy the most suitable conditions of cooling and heating, actively contributing to energy saving.



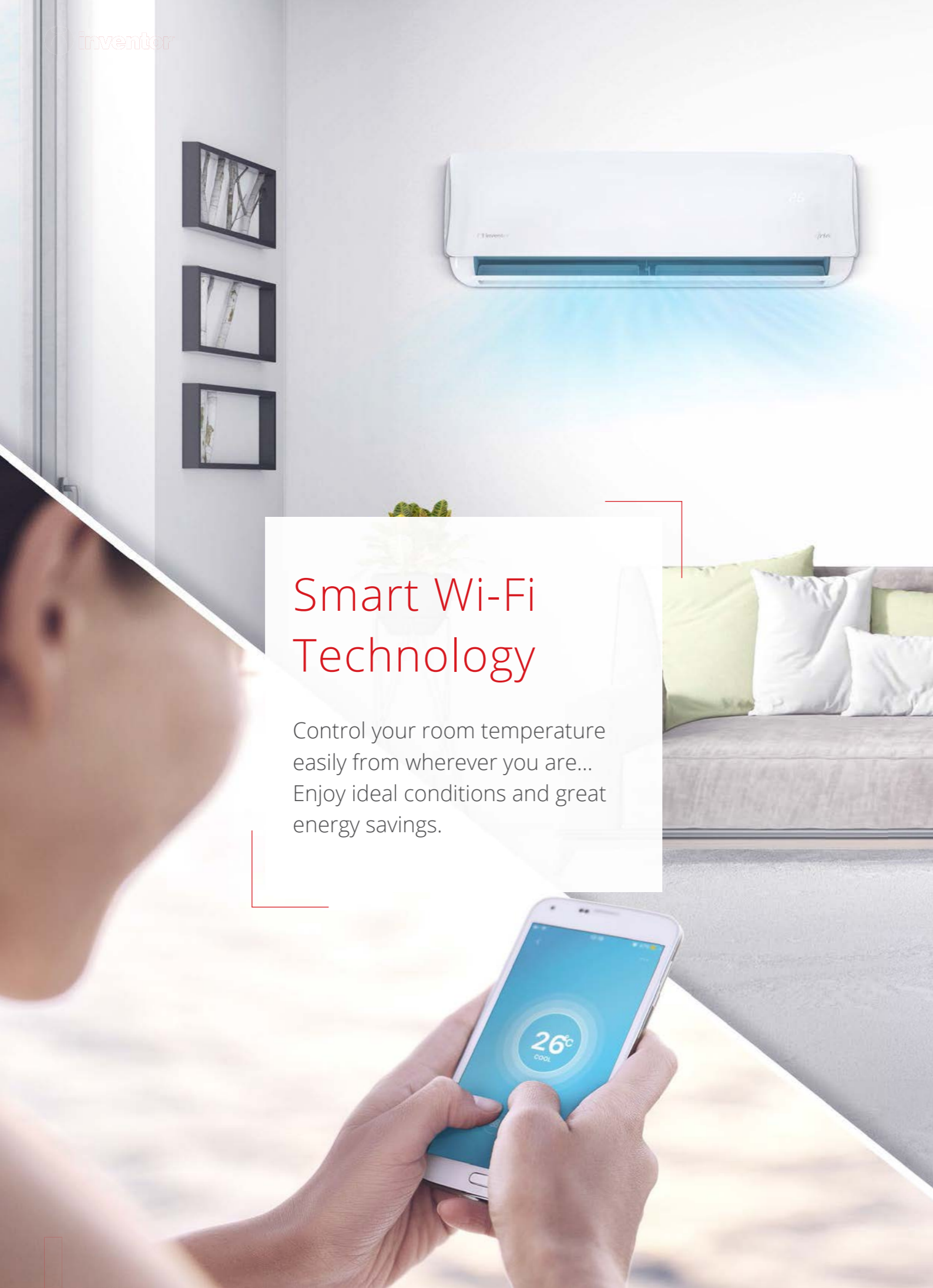
## After Sales Center

Customers' trust towards Inventor products, has led us to the creation of an updated and dynamic after sales center, capable of catering every need, standing by our business and end customers, giving immediate and efficient solutions.

The rapid and responsible response of our people, provides vivid proof that Inventor is present even after the purchase.

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## Smart Wi-Fi Technology

Control your room temperature easily from wherever you are...  
Enjoy ideal conditions and great energy savings.

### Easy to Operate

Increase or reduce the temperature of your air conditioner, just with a touch of your Smartphone or Tablet screen. Slide upwards or downwards to select the desired temperature.



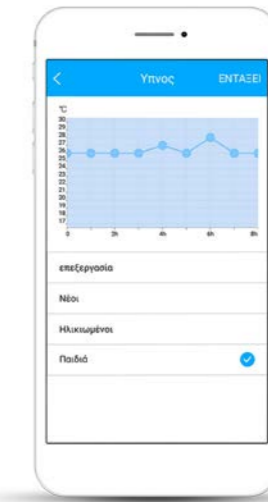
### Multiple Choices

By choosing the desired mode, the screen will change color automatically, depending on the selected function.



### Sleeping Curve

Enjoy ideal conditions in your room, by adjusting the desired temperature for every sleeping hour.



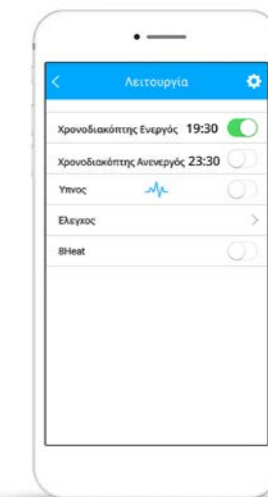
### Check Diagnosis

With the 97 checking points, the Invmate II application ensures that you will never miss a thing! With this ultimate diagnostic tool, you can locate any malfunction quickly and effectively.



### Weekly Planner

Activate the Weekly Planner and forget about the on/off button on your air conditioner. Use this innovative feature of Invmate II to schedule your daily needs and enjoy optimal climate conditions at your home or/and your office.







# Comprehensive air conditioning solution for Hotels

## Central control for higher & lower temperature

Hotel Menu allows the administrator to set maximum and minimum temperature options. For Cooling, temperature can be set in the range of 17°C to 24°C. For Heating, temperature can be set in the range of 25°C to 30°C. For instance, the administrator can set as minimum allowed cooling temperature, 24°C. That means that even if a hotel's customer chooses a lower temperature than the allowed one, the air conditioner unit will continue its function at 24°C. Hotel Menu prevents customers from adjusting the air conditioner units to extreme heating or cooling temperatures, as the allowed air conditioner's lower and higher temperature is locked.

The Hotel Menu service of Inventor **Multi Split Systems & Commercial AC units**, will save energy up to 70% while greatly contributes to the optimal operation of your air conditioners for a longer period of time.

[www.inventor.ac/en](http://www.inventor.ac/en)



## Smart Controller

### Fan Speed Adjustment

Through 4 options, you can set the fan speed of the indoor unit in order to obtain the perfect temperature in your place.

### Filter Cleaning Reminder & Filters Replacement

Schedule both the unit's and the filters' cleaning reminder to achieve the best air quality and the most economic operation of your air conditioner. By keeping your appliance clean, you ensure significantly less power consumption than a not well-maintained one.

### Louver Position Memory

The horizontal louver will automatically be set at the same position you have adjusted the last time you activated the unit.



### Useful Info

The Smart controller is the ultimate professional tool. Obtain all the information required, save time and energy and ensure valid results, all by using one and only remote.

Sensor measurement signs, measurement of the Amper and the compressor frequency, voltage sign and adjusting the temperature sensor offset, are some of the reasons that turn this control into your valuable partner.

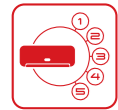
Discover the countless functions and gain a better view of the condition of both the internal and external units since the last noted damage and state of the Refrigerant Leakage Detect, is at your disposal. Gain full control of the air-condition units and ensure maximum efficiency.



## Front Desk Control

Take control of all your air conditioner units, through the advanced central unit management. The wide range of choices offered by the pre-installed ON / OFF contact, offer you the flexibility to manage and set your air conditioners, ensuring great energy and money savings. Install a Door Switch or remote switches to turn on / off the units in a more direct and smart way.





### Central Control

Choose among the wide variety of controllers, based on your needs. Up to 64 air conditioners can be controlled just from one single controller. Turn the air conditioner on and off, set the desired room temperature and select the function you need. Ideal for hotel units, offices etc.



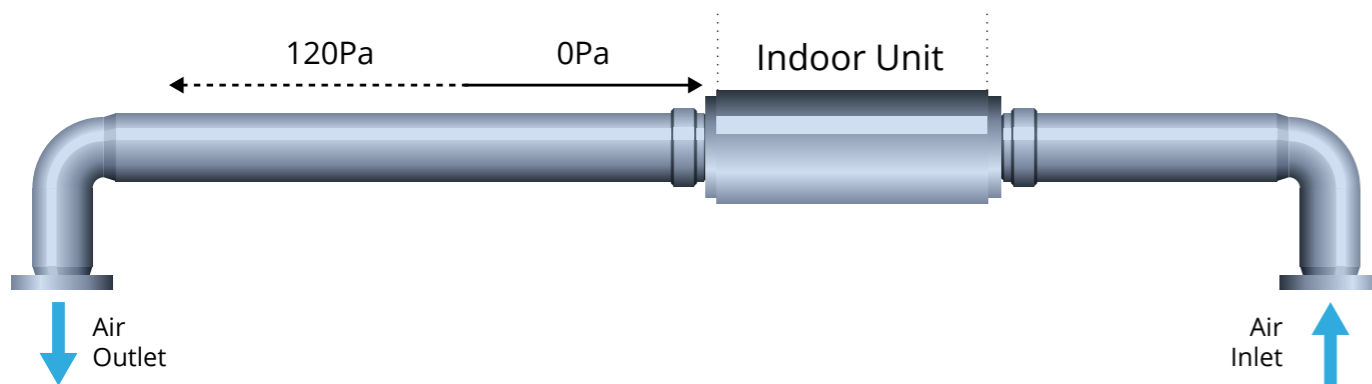
### A+++ Energy Class

The technological superiority of Inventor air conditioners guarantees excellent performance at the lowest operating cost. Benefit from the highest energy class A+++ in all climate conditions and save energy. Create the best atmosphere in your place.



### Static Pressure Settings

With the advanced technology of the new air Duct units, you can set the available static pressure depending on your plant's duct network, from 0Pa to 120Pa, ensuring the best possible performance.



### New "High Intelligence" Controller

Take advantage of the Weekly Planner and adjust according to your needs, the air conditioner's operating period, ensuring maximum energy and money savings. The new advanced wired controller, shows up the error codes and additionally enables you to activate the room temperature sensor via the wired controller instead of the air conditioner.



### Remote Error Indication

The advanced electronic board of Inventor air conditioners includes outputs, through which you can receive a warning signal, in case of unit's malfunction or abnormal operation (light indication).



### Wide Operation Range

With up to 25 stages (F1-F25) of compressor frequency. The frequency range increases up to 70%, allowing the system to run smoothly. Offers accurate control for an ideal atmosphere with the greatest energy savings.







## Robust Outdoor Design

The redesigned outdoor units are sturdier and easier for maintenance achieving higher heating performance, even at low outdoor temperatures. The upside-down electrical box keeps the electrical parts dust free and increases the life cycle of the air conditioner.



## Built-in Drain Pump

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



## Green Fin

High anti-corrosion hydrophilic aluminum foil coating (Organic Resin). The coating can withstand the salty air, the rain and any other corrosive elements. Not only protects the outdoor unit but also improves the performance of the unit.



## Emergency Using Mode

In case of a temperature sensor error, the air conditioner will display an error code. The unit will continue operating, in order to avoid any further malfunction of an abrupt shutdown, till the damage is restored.



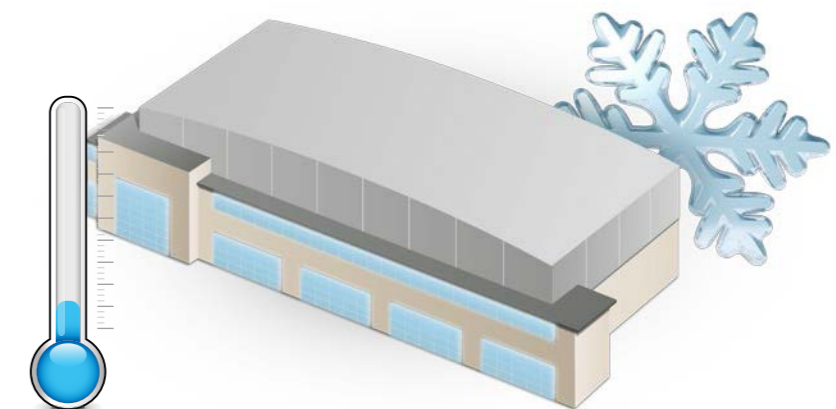
## External Air Duct Outlet

With the special design of the indoor unit, an extra duct can supply air to another room. Suitable for air conditioning extra small rooms.



## Low Ambient Cooling

The outdoor unit's special design produces an efficient and effective cooling operation even at -15°C.



A 3D architectural rendering of a house with a multi-split air conditioning system. A single external condenser unit is located on the ground level. From this unit, a network of grey pipes runs through the walls and ceiling to five different rooms. Each room contains an orange-colored indoor evaporator unit. The rooms include a living area with a sofa, a dining area with a table and chairs, a kitchen with a red and white counter, and two bedrooms. The house is shown from an isometric perspective.

## Multi Split Systems

Units of high flexibility, maximum energy savings and impressive performance, always driven by the needs of your space and your everyday life. Connect up to 5 internal units with one external.





**A+** Energy Class
**ALL DC INVERTER** All DC Inverter
**Robust Outdoor Design**
**Mute Mode**
**Central Control Management (Optional)**
**Electronic Expansion Valve Per Circuit**

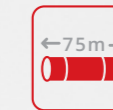
MODEL	U4MRSL(2)-18				U4MRSL(3)-27				
	DUCT	CASSETTES	CONSOLES	MINI SPLITS	DUCT	CASSETTES	CONSOLES	MINI SPLITS	
Cooling Capacity (Btu/h)	16.020-26.800	16.020-26.800	16.020-26.800	16.020-26.800	24.030-32.400	24.030-32.400	24.030-32.400	24.030-32.400	
Cooling Capacity (kWatt)	4.69-7.85	4.69-7.85	4.69-7.85	4.69-7.85	7.04-9.50	7.04-9.50	7.04-9.50	7.04-9.50	
Heating Capacity (Btu/h)	17.100-22.800	17.100-22.800	17.100-22.800	17.100-22.800	24.920-34.200	24.920-34.200	24.920-34.200	24.920-34.200	
Heating Capacity (kWatt)	5.01-6.68	5.01-6.68	5.01-6.68	5.01-6.68	7.30-10.02	7.30-10.02	7.30-10.02	7.30-10.02	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	5.2	5.2	5.2	5.2	7.9	7.9	7.9
		Energy Class	A++	A++	A++	A++	A++	A++	A++
		SEER	6.1	6.1	6.1	6.3	6.1	6.1	6.6
	Heating (Middle Zone)	Pdesign (kW)	4.8	4.9	4.9	4.7	5.9	5.9	5.9
		Energy Class	A	A+	A+	A+	A	A+	A+
SCOP	3.8	4.0	4.0	4.0	3.8	4.0	4.0	4.0	
Cooling Input/ Heating Input (W)	650-1.600/ 542-1.596	650-1.600/ 542-1.596	650-1.600/ 542-1.596	650-1.600/ 542-1.596	750-1.700/ 720-1.750	750-1.700/ 720-1.750	750-1.700/ 720-1.750	750-1.700/ 720-1.750	
Voltage / Frequency / Phase (V/Hz/Ph)	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	
Indoor Number of Units (Min. - Max)	1-2	1-2	1-2	1-2	1-3	1-3	1-3	1-3	
Noise Level (dB(A))	56.5	56.5	56.5	56.5	59.5	59.5	59.5	59.5	
Sound Power Level (dB(A))	65	65	65	65	68	68	68	68	
Dimensions WxDxH (mm)	800x333x554	800x333x554	800x333x554	800x333x554	845x363x702	845x363x702	845x363x702	845x363x702	
Net Weight (kg)	36.0	36.0	36.0	36.0	52.7	52.7	52.7	52.7	
Compressor Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
Liquid Line   Gas Line	2 x (1/4"   3/8")	2 x (1/4"   3/8")	2 x (1/4"   3/8")	2 x (1/4"   3/8")	3 x (1/4"   3/8")	3 x (1/4"   3/8")	3 x (1/4"   3/8")	3 x (1/4"   3/8")	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)	3x2.5/16	3x2.5/16	3x2.5/16	3x2.5/16	3x2.5/20	3x2.5/20	3x2.5/20	3x2.5/20	
Refrigerant	R410A/1.700g	R410A/1.700g	R410A/1.700g	R410A/1.700g	R410A/2.100g	R410A/2.100g	R410A/2.100g	R410A/2.100g	
Maximum Pipe Length (m)	Total	30	30	30	30	45	45	45	
	For one Indoor Unit	20	20	20	20	25	25	25	
Max. Height Difference Between Indoor and Outdoor Unit (m)	Outdoor Unit Higher than Indoor Unit	10	10	10	10	10	10	10	
	Outdoor Unit Lower than Indoor Unit	15	15	15	15	15	15	15	
Max. Height Difference Between Indoor Units (m)	Cooling	10	10	10	10	10	10	10	
	Heating	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	

MODEL	U4MRSL(4)-36				U4MRSL(5)-42				
	DUCT	CASSETTES	CONSOLES	MINI SPLITS	DUCT	CASSETTES	CONSOLES	MINI SPLITS	
Cooling Capacity (Btu/h)	32.000-44.200	32.000-44.200	32.000-44.200	32.000-44.200	37.380-50.400	37.380-50.400	37.380-50.400	37.380-50.400	
Cooling Capacity (kWatt)	9.37-12.95	9.37-12.95	9.37-12.95	9.37-12.95	10.95-17.77	10.95-17.77	10.95-17.77	10.95-17.77	
Heating Capacity (Btu/h)	34.200-45.600	34.200-45.600	34.200-45.600	34.200-45.600	38.220-51.400	38.220-51.400	38.220-51.400	38.220-51.400	
Heating Capacity (kWatt)	10.02-13.36	10.02-13.36	10.02-13.36	10.02-13.36	11.20-15.06	11.20-15.06	11.20-15.06	11.20-15.06	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	10.6	10.6	10.6	10.6	12.3	12.3	12.3
		Energy Class	A++	A+	A++	A++	A++	A+	A++
		SEER	6.9	5.9	7.6	7.6	6.4	5.6	7.7
	Heating (Middle Zone)	Pdesign (kW)	9.3	9.3	9.3	9.3	9.7	9.6	9.6
		Energy Class	A	A	A	A	A	A	A
SCOP	3.8	3.8	3.8	3.8	3.5	3.8	3.8	3.8	
Cooling Input/ Heating Input (W)	1.250-1.700/ 1.375-2.440	1.250-1.700/ 1.375-2.440	1.250-1.700/ 1.375-2.440	1.250-1.700/ 1.375-2.440	680-1.800/ 680-1.800	680-1.800/ 680-1.800	680-1.800/ 680-1.800	680-1.800/ 680-1.800	
Voltage / Frequency / Phase (V/Hz/Ph)	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	
Indoor Number of Units (Min. - Max)	1-4	1-4	1-4	1-4	1-5	1-5	1-5	1-5	
Noise Level (dB(A))	63.5	63.5	63.5	63.5	62	62	62	62	
Sound Power Level (dB(A))	68	68	68	68	68	68	68	68	
Dimensions WxDxH (mm)	946x410x810	946x410x810	946x410x810	946x410x810	946x410x810	946x410x810	946x410x810	946x410x810	
Net Weight (kg)	70.0	70.0	70.0	70.0	76.0	76.0	76.0	76.0	
Compressor Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
Liquid Line   Gas Line	3 x (1/4"   3/8") + 1x (1/4"   1/2")	3 x (1/4"   3/8") + 1x (1/4"   1/2")	3 x (1/4"   3/8") + 1x (1/4"   1/2")	3 x (1/4"   3/8") + 1x (1/4"   1/2")	4 x (1/4"   3/8") + 1x (1/4"   1/2")	4 x (1/4"   3/8") + 1x (1/4"   1/2")	4 x (1/4"   3/8") + 1x (1/4"   1/2")	4 x (1/4"   3/8") + 1x (1/4"   1/2")	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)	3x4.0/25	3x4.0/25	3x4.0/25	3x4.0/25	3x4.0/25	3x4.0/25	3x4.0/25	3x4.0/25	
Refrigerant	R410A/3.000g	R410A/3.000g	R410A/3.000g	R410A/3.000g	R410A/3.600g	R410A/3.600g	R410A/3.600g	R410A/3.600g	
Maximum Pipe Length (m)	Total	60	60	60	60	75	75	75	
	For one Indoor Unit	30	30	30	30	30	30	30	
Max. Height Difference Between Indoor and Outdoor Unit (m)	Outdoor Unit Higher than Indoor Unit	10	10	10	10	10	10	10	
	Outdoor Unit Lower than Indoor Unit	15	15	15	15	15	15	15	
Max. Height Difference Between Indoor Units (m)	Cooling	10	10	10	10	10	10	10	
	Heating	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50	



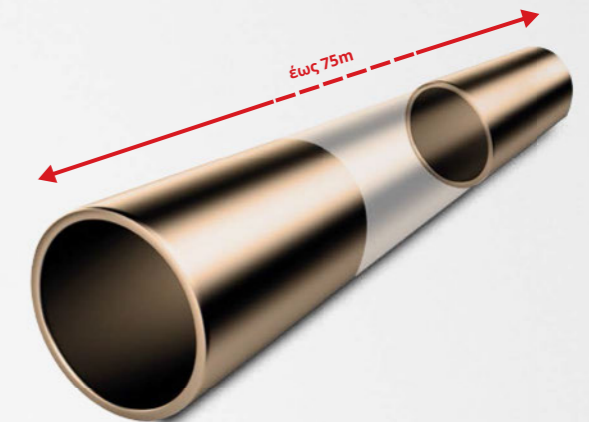
### Green Fin

High anti-corrosion hydrophilic aluminum foil coating (Organic resin). The coating can withstand the salty air, the rain and any other corrosive elements. Not only protects the outdoor unit but also improves the performance of the unit.



### Flexible Installation

Connect up to 5 indoor units of any type. Maximum total pipe length up to 75m.



### Wide Operation Range

With up to 25 stages (F1-F25) of compressor frequency. The frequency range increases up to 70%, allowing the system to run smoothly. Offers accurate control for an ideal atmosphere with the greatest energy savings.



### Low Ambient Cooling







The outdoor unit's special design produces an efficient and effective cooling operation even at -15°C.







MODEL	LV4MLI-12	LV4MLI-18
Cooling Capacity (Btu/h)	12.000	18.000
Cooling Capacity (kWatt)	3.52	5.28
Heating Capacity (Btu/h)	12.000	18.000
Heating Capacity (kWatt)	3.52	5.28
Voltage / Frequency / Phase (V/Hz/Ph)	220-240/50/1	220-240/50/1
Current Input (A)	Cooling	0.17
	Heating	0.21
Power Input (W)	Cooling	40
	Heating	48
Air Flow Volume (m³/h) (High/Medium/Low)	550/470/360	820/740/650/520
Noise Level (dB(A)) (Low/Medium/High)	35/41/47	39/44/48
Sound Power Level (dB(A))	58	59
Dimensions WxDxH (mm)	700x210x600	700x210x600
Net Weight (kg)	15	15
Liquid Line   Gas Line	1/4"   3/8"	1/4"   1/2"

-  Hotel Menu
-  Error Alarm Port
-  Front Desk Control (Optional)
-  Auto Error Diagnosis
-  Low Ambient Cooling
-  Smart Controller



### Wide Angle Air Flow

The special design provides a wide and very comfortable airflow, for greater air circulation.



### Quiet Operation

This feature refers to the reduced noise emissions in order to achieve a pleasant and comfortable operation of your air conditioner.









### Double Air Outlet

Choose between the bottom or the top and bottom air outlet. Ideal solution that provides stable room temperature, even in the case of difficult installations.





MODEL	AR2MVI-09WiFi	AR2MVI-12WiFi	AR2MVI-18WiFi	AR2MVI-24WiFi	
Cooling Capacity (Btu/h)	9.200	12.000	18.000	25.000	
Cooling Capacity (kWatt)	2.69	3.52	5.28	7.32	
Heating Capacity (Btu/h)	10.000	13.000	19.000	26.000	
Heating Capacity (kWatt)	2.93	3.81	5.56	7.62	
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	0.11	0.11	0.15	0.28
	Heating	0.11	0.11	0.15	0.28
Power Input (W)	Cooling	24	24	34	62
	Heating	24	24	34	62
Air Flow Volume (m³/h) (High/Medium/Low)	521/429/259	539/478/294	750/505/420	1.050/750/560	
Noise Level (dB(A)) (Silent/Medium/High)	20/22/29/37	21/22/30/38	23/27/33/42	26/30/40/46	
Sound Power Level (dB(A))	53	52	57	60	
Dimensions WxDxH (mm)	722x187x290	802x189x297	965x215x319	1.080x226x335	
Net Weight (kg)	7.4	8.2	9.0	12.0	
Liquid Line   Gas Line	1/4"   3/8"	1/4"   3/8"	1/4"   1/2"	3/8"   5/8"	

-  Hotel Menu
-  Follow Me
-  Sleep Mode
-  Turbo Mode
-  Refrigerant Leakage Detect
-  Smart Controller



### Wi-Fi Standard

The series of Aria air conditioners include a USB stick, in order for you, to enjoy all the benefits of remote management. Control your climate easily from wherever you are, with your Smartphone or Tablet. Free download the Invmate II application via Google Play & App Store and achieve optimal temperature conditions with great energy savings.



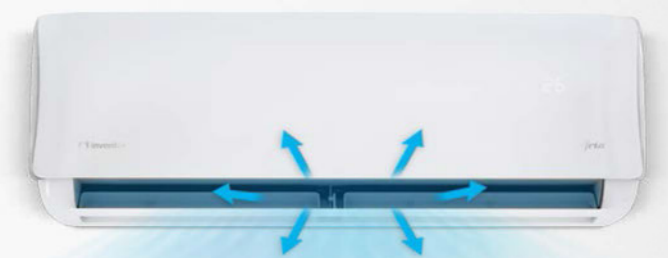
### Ionizer Filter

The ions released in the air, give you a fresh and clean atmosphere, by capturing dust and smoke, offering wellness and high quality room conditions.



### 4 Way 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.







MODEL		LV4MCI-12UR	LV4MCI-18UR
Cooling Capacity (Btu/h)		12.000	18.000
Cooling Capacity (kWatt)		3.52	5.28
Heating Capacity (Btu/h)		13.000	19.000
Heating Capacity (kWatt)		3.81	5.57
Voltage / Frequency / Phase (V/Hz/Ph)		220-240/50/1	220-240/50/1
Current Input (A)	Cooling	0.18	0.18
	Heating	0.18	0.18
Power Input (W)	Cooling	40	40
	Heating	40	40
Air Flow Volume (m <sup>3</sup> /h) (High/Medium/Low)		650/550/460	680/560/500
Noise Level (dB(A)) (Low/Medium/High)		39/41/44	41/42/44
Sound Power Level (dB(A))		55	56
Dimensions WxDxH (mm)	Panel	647x50x647	647x50x647
	Indoor	570x260x570	570x260x570
Net Weight (kg)	Panel	2.5	2.5
	Indoor	14.4	16.1
Liquid Line   Gas Line		1/4"   3/8"	1/4"   1/2"

-  Hotel Menu
-  Error Alarm Port
-  Front Desk Control (Optional)
-  Smart Controller
-  Central Control Management (Optional)
-  New "High Intelligence" Controller (optional)



### 360° Air Outlet

Enjoy optimum comfort, anywhere in the room. 360 degree directional wind coming out from 8 instead of 4 air outlets, can deliver air evenly throughout every corner in any space. Supplying 360 degree, even airflow, reduces hot and cold spots in the space providing ultimate comfort.



### External Air Duct Outlet

With the special design of the indoor unit, an extra duct can supply air to another room. Suitable for air conditioning extra small rooms.



### Fresh Air Intake

Provided to handle the fresh air load for a clean and healthy environment.





**5**  
YEARS WARRANTY  
**Classic**

**10**  
XPONIA EFTYHIA  
**Classic**



### Super Slim Design

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

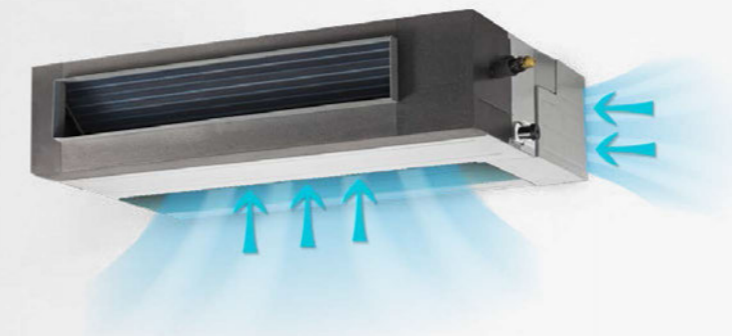


21cm



### Two Air Inlet Styles

Choose between the bottom or the rear side for the air intake. Flexible air intake from the back or the bottom part of the unit, that can fit to all kinds of installation.



### Built-in Drain Pump

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



MODEL	LV4MDI-12	LV4MDI-18
Cooling Capacity (Btu/h)	12.000	18.000
Cooling Capacity (kWatt)	3.52	5.28
Heating Capacity (Btu/h)	13.000	20.000
Heating Capacity (kWatt)	3.81	5.86
Voltage / Frequency / Phase (V/Hz/Ph)	220-240/50/1	220-240/50/1
Current Input (A)	Cooling	0.17
	Heating	0.17
Power Input (W)	Cooling	40
	Heating	40
Air Flow Volume (m <sup>3</sup> /h) (High/Medium/Low)	600/480/300	816/546/-
Noise Level (dB(A)) (Low/Medium/High)	35/38/42	40/42/46
Sound Power Level (dB(A))	59	59
Dimensions WxDxH (mm)	700x450x200	920x635x210
Net Weight (kg)	18	23.0
Liquid Line	1/4"	1/4"
Gas Line	3/8"	1/2"
Static Pressure (Pa)	0-60	0-60



Hotel Menu



Smart Controller



Front Desk Control (Optional)



Static Pressure Settings



New "High Intelligence" Controller



Central Control (Optional)





# Air Conditioning units for your Business

Your most valuable partner! Integrated solutions for even the most demanding business places. Floor Standing units of great performance and low power consumption. Cassette units of A++ energy class, All DC Inverter. Floor Ceiling and Duct units with a wide operation range under cooling & heating mode. Ideal solution for you and your business!







- Hotel Menu
- Built-in Drain Pump
- Error Alarm Port
- Front Desk Control (Optional)
- Fresh Air Intake
- Smart Controller



### 360° Air Outlet

Enjoy optimum comfort, anywhere in the room. 360 degree directional wind coming out from 8 instead of 4 air outlets, can deliver air evenly throughout every corner in any space. Supplying 360 degree, even airflow, reduces hot and cold spots in the space providing ultimate comfort.



### External Air Duct Outlet

With the special design of the indoor unit, an extra duct can supply air to another room. Suitable for air conditioning extra small rooms.

MODEL		V4MCRI-18/U4MRS-18	V4MCI-24UR/U4MRS-24	V4MCI-36UR/U4MRS-36	
Cooling Capacity (Btu/h)		18.000 (2.700-21.000)	24.000 (4.100-28.000)	36.000 (10.000-41.000)	
Cooling Capacity (kWatt)		5.28 (0.79-6.15)	7.03 (1.20-8.21)	10.55 (2.93-12.02)	
Heating Capacity (Btu/h)		19.000 (3.000-24.000)	24.000 (4.100-29.500)	38.000 (9.000-45.000)	
Heating Capacity (kWatt)		5.57 (0.88-7.03)	7.03 (1.20-8.65)	11.13 (2.64-13.19)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	5.1	7.0	10.5
		Energy Class	A++	A++	A++
		SEER	6.3	6.1	6.1
	Heating (Middle Zone)	Pdesign (kW)	4.7	5.2	9.9
		Energy Class	A+	A+	A+
		SCOP	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	5.0	5.6	10.5
		Energy Class	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1
	Voltage / Frequency / Phase (V/Hz/Ph)		220-240/50/1	220-240/50/1	220-240/50/1
Current Input (A)	Cooling/Heating	1.2-10.9/1.38-11.5	1.8-14.4/1.8-14.1	4.2-20.1/3.8-20.4	
Power Input (W)	Cooling/Heating	270-2.365/295-2.510	400-3.155/400-3.090	975-4.620/880-4.690	
Air Flow Volume [m³/h] (High/Medium/Low)		660/550/490	1.450/1.250/1.100	1.900/1.750/1.460	
Noise Level (dB(A))	Indoor unit (Low/Medium/High)	38/42/46	39/42/46	47/50/53	
	Outdoor unit	56.5	60.5	61	
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit	57/65	61/65	61/69	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)		3x2.5/1x16	3x2.5/1x16	3x4.0/1x25	
Signal Wires (No x mm²)		3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	
Dimensions WxDxH(mm)	Panel	647x647x50	950x950x55	950x950x55	
	Indoor Unit	570x570x260	840x840x245	840x840x245	
	Outdoor Unit	800x333x554	845x363x702	946x410x810	
Net Weight (kg)	Panel/Indoor/Outdoor Unit	2.5/16.5/35.5	5/24/49.0	5/25.6/67.2	
Liquid Line   Gas Line		1/4"   1/2"	3/8"   5/8"	3/8"   5/8"	
Refrigerant		R410A/1.480g	R410A/1.950g	R410A/3.200g	
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	
	Heating	-15-24	-15-24	-15-24	

MODEL		V4MCI-42/U4MRT-42	V4MCI-50UR/U4MRT-50	V4MCI-60UR/U4MRT-60	
Cooling Capacity (Btu/h)		42.000 (11.000-45.000)	47.000 (13.600-55.000)	55.000 (17.000-63.000)	
Cooling Capacity (kWatt)		12.31 (3.22-13.19)	13.77 (3.98-16.12)	16.11 (4.98-18.46)	
Heating Capacity (Btu/h)		46.000 (10.000-50.000)	53.000 (14.300-60.000)	62.000 (18.000-70.000)	
Heating Capacity (kWatt)		13.48 (2.93-14.65)	15.53 (4.19-17.58)	18.17 (5.28-20.51)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	12.1	14.0	15.2
		Energy Class	A+	A+	A+
		SEER	5.6	5.6	5.6
	Heating (Middle Zone)	Pdesign (kW)	11.0	11.5	11.5
		Energy Class	A+	A+	A+
		SCOP	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	10.7	11.6	12.2
		Energy Class	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1
	Voltage / Frequency / Phase (V/Hz/Ph)		380-415/50/3	380-415/50/3	380-415/50/3
Current Input (A)	Cooling/Heating	1.8-8.7/1.7-9.0	2.3-10.7/2.1-11.7	2.9-12.3/3.0-12.6	
Power Input (W)	Cooling/Heating	1.070-5.070/975-5.230	1.330-6.200/1.400-6.765	1.660-7.100/1.760-7.320	
Air Flow Volume [m³/h] (High/Medium/Low)		1.850/1.600/1.400	1.850/1.600/1.400	1.900/1.650/1.450	
Noise Level (dB(A))	Indoor Unit (Low/Medium/High)	47/50/52	48/51/55	46/49/52	
	Outdoor Unit	62.5	65	62.5	
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit	64/71	63/73	68/75	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)		5x2.5/3x20	5x2.5/3x20	5x2.5/3x20	
Signal Wires (No x mm²)		3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	
Dimensions WxDxH(mm)	Panel	950x950x55	950x950x55	950x950x55	
	Indoor Unit	840x840x287	840x840x287	840x840x287	
	Outdoor Unit	946x410x810	952x410x1.333	952x410x1.333	
Net Weight (kg)	Panel/Indoor/Outdoor Unit	5/26.1/85.3	5/28/108.1	5/28.7/112.8	
Liquid Line / Gas Line		3/8"   5/8"	3/8"   5/8"	3/8"   5/8"	
Refrigerant		R410A/3.650g	R410A/4.000g	R410A/4.300g	
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	
	Heating	-15-24	-15-24	-15-24	



MODEL		V4MLI-12/V4ML0-12	
Cooling Capacity (Btu/h)		12.000 (2.100-15.000)	
Cooling Capacity (kWatt)		3.52 (0.62-4.40)	
Heating Capacity (Btu/h)		13.000 (2.100-16.900)	
Heating Capacity (kWatt)		3.81 (0.62-4.95)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	3.5
		<b>Energy Class</b>	<b>A++</b>
		SEER	6.1
	Heating (Middle Zone)	Pdesign (kW)	3.6
		<b>Energy Class</b>	<b>A+</b>
	Heating (Warm Zone)	SCOP	4.0
Pdesign (kW)		3.5	
	<b>Energy Class</b>	<b>A+++</b>	
	SCOP	5.1	
Voltage / Frequency / Phase (V/Hz/Ph)		220-240/50/1	
Current Input (A)		Ψύξη/θέρμανση 1.0-7.7/0.9-8.1	
Power Input (W)		Ψύξη/θέρμανση 211-1.690/190-1.760	
Air Flow Volume [m³/h] (High/Medium/Low)		550/470/360	
Noise Level (dB(A))	Indoor Unit (Low/Medium/High)	35/41/47	
	Outdoor Unit	57	
Sound Power Level (dB(A))		Indoor Unit/Outdoor Unit 59/61	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)		3x2.5/1x16	
Signal Wires (No x mm²)		4x2.5	
Dimensions WxDxH(mm)	Indoor Unit	700x210x600	
	Outdoor Unit	800x333x554	
Net Weight (kg)		Indoor/Outdoor Unit 15.0/34.5	
Compressor Type		ROTARY	
Liquid Line   Gas Line		1/4"   3/8"	
Operation Temperature Range (°C)	Cooling	-15-50	
	Heating	-15-24	



Error Alarm Port



Front Desk Control (Optional)



Smart Controller



Hotel Menu



Wide Operation Range



Low Ambient Cooling



### Wide Angle Air Flow

The special design provides a wide and very comfortable airflow, for greater air circulation.



### Quiet Operation

This feature refers to the reduced noise emissions in order to achieve a pleasant and comfortable operation of your air conditioner.



### Double Air Outlet

Choose between the bottom or the top and bottom air outlet. Ideal solution that provides stable room temperature, even in the case of difficult installations.







**5**  
YEARS WARRANTY  
**Classic**

MODEL		V4MKI-24UR/U4MRS-24	V4MKI-36UR/U4MRS-36	
Cooling Capacity (Btu/h)		24.000 (4.100-28.000)	36.000 (10.000-41.000)	
Cooling Capacity (kWatt)		7.03 (1.20-8.21)	10.55 (2.93-12.02)	
Heating Capacity (Btu/h)		24.000 (4.100-29.500)	38.000 (9.000-45.000)	
Heating Capacity (kWatt)		7.03 (1.20-8.65)	11.13 (2.64-13.19)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	7.1	10.5
		Energy Class	A++	A++
		SEER	6.1	6.3
	Heating (Middle Zone)	Pdesign (kW)	5.30	10.5
		Energy Class	A+	A+
		SCOP	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	5.6	10.5
		Energy Class	A+++	A+++
		SCOP	5.1	5.1
Voltage / Frequency / Phase (V/Hz/Ph)		220-240/50/1	220-240/50/1	
Current Input (A)	Cooling/Heating	1.8-14.4/1.8-14.1	4.2-20.1/3.8-20.4	
Power Input (W)	Cooling/Heating	400-3.155/400-3.090	975-4.720/900-4.700	
Air Flow Volume [m³/h] (High/Medium/Low)		1.180/1.050/850	1.948/1.667/1.303	
Noise Level (dB(A))	Indoor Unit (Low/Medium/High)	42/48/53	40/48/50	
	Outdoor Unit	60.5	61	
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit	63/65	61.5/69	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)		3x2.5 / 1x16	3x4.0 / 1x25	
Signal Wires (No x mm²)		3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	
Dimensions WxDxH(mm)	Indoor Unit	1.068x235x675	1.650x235x675	
	Outdoor Unit	845x363x702	946x410x810	
Net Weight (kg)	Indoor/Outdoor Unit	25/49	40.3/67.2	
Liquid Line   Gas Line		3/8"   5/8"	3/8"   5/8"	
Refrigerant		R410A/1.950g	R410A/3.200g	
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	
	Heating	-15-24	-15-24	



Hotel Menu



Temperature Sensor Offset



Emergency Using Mode



Front Desk Control (Optional)



Smart Controller

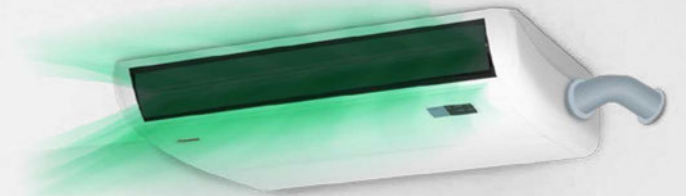


New "High Intelligence" Controller (optional)



### Fresh Air Intake

Provided to handle the fresh air load for a clean and healthy environment.



### 4 Way 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.



### Low Ambient Cooling

The outdoor unit's special design produces an efficient and effective cooling operation even at -15°C.



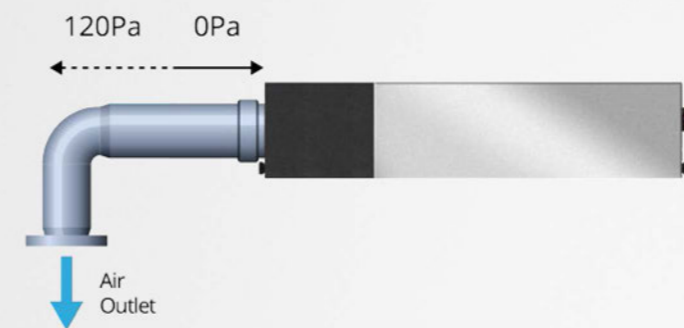
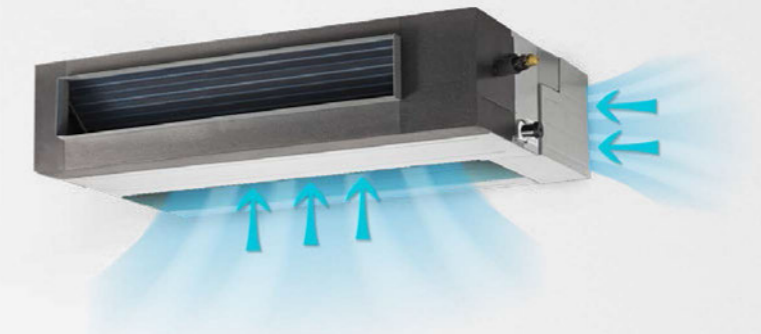


-  **HM**  
Hotel Menu
-  **Super Slim Design**
-  **Built-in Drain Pump**
-  **Smart Controller**
-  **Front Desk Control (Optional)**
-  **New "High Intelligence" Controller**



### Two Air Inlet Styles

Choose between the bottom or the rear side for the air intake. Flexible air intake from the back or the bottom part of the unit, that can fit to all kinds of installation.



### Static Pressure Settings

With the advanced technology of the new air Duct units, you can set the available static pressure depending on your plant's duct network, from 0Pa to 120Pa, ensuring the best possible performance.

MODEL	V4MDI-12/ U4MRS-12	V4MDI-18UR/ U4MRS-18	V4MDI-24UR/ U4MRS-24	V4MDI-36UR/ U4MRS-36		
Cooling Capacity (Btu/h)	12.000 (2.100-15.000)	18.000 (2.700-21.000)	24.000 (4.100-28.000)	36.000 (10.000-41.000)		
Cooling Capacity (kWatt)	3.52 (0.62-4.40)	5.28 (0.79-6.15)	7.03 (1.20-8.21)	10.55 (2.93-12.02)		
Heating Capacity (Btu/h)	13.000 (2.100-17.000)	19.000 (3.000-24.000)	24.000 (4.100-29.500)	38.000 (9.000-45.000)		
Heating Capacity (kWatt)	3.81 (0.62-4.98)	5.67 (0.88-7.03)	7.03 (1.20-8.65)	11.13 (2.64-13.19)		
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	3.5	5.3	7.0	10.5
		Energy Class	A+	A++	A++	A++
	Heating (Middle Zone)	SEER	6.1	6.1	6.1	6.1
		Pdesign (kW)	2.6	4.6	5.8	10.5
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	3.4	4.7	5.6	10.5
		Energy Class	A++	A++	A+++	A+++
SCOP	4.9	4.8	5.2	4.9		
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)	1.3-10/1.48-10	1.2-10.90/1.48-11.9	1.8-14.4/1.8-14.2	4.2-20.1/4.0-20.5		
Power Input (W)	155-2.300/302-2.300	270-2.365/295-2.510	400-3.155/400-3.090	975-4.620/880-4.690		
Air Flow Volume [m³/h] (High/Medium/Low)	600/480/300	1.300/1.230/1.080	1.099/782/487	1.424/1.108/572		
Outdoor Static Pressure (Pa)	0-60	0-70	0-100	0-120		
Noise Level (dB(A))	Indoor Unit (Low/Medium/High)	27.5/34.5/40	38/40/42	36/39/42	39/40/42	
	Outdoor Unit	56	56.5	60.5	61	
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit	59/62	59/65	64/65	62/69	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)	3x2.5/1x16	3x2.5/1x16	3x2.5/1x16	3x4.0/1x25		
Signal Wires (No x mm²)	4x2.5	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)		
Dimensions WxDxH(mm)	Indoor Unit	700x450x200	880x674x210	1.100x774x249	1.360x774x249	
	Outdoor Unit	800x333x554	800x333x554	845x363x702	946x410x810	
Net Weight (kg)	Indoor/Outdoor Unit	18/28.5	25.4/35.5	31.7/49	40.2/67.2	
Liquid Line   Gas Line	1/4"   3/8"	1/4"   1/2"	3/8"   5/8"	3/8"   5/8"		
Refrigerant	R410A/1.050g	R410A/1.480g	R410A/1.950g	R410A/3.200g		
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	-15-50	
	Heating	-15-24	-15-24	-15-24	-15-24	

MODEL	V4MDI-42/U4MRT-42	V4MDI-50/U4MRT-50	V4MDI-60/U4MRT-60		
Cooling Capacity (Btu/h)	42.000 (11.000-45.000)	48.000 (14.000-56.000)	55.000 (17.000-61.800)		
Cooling Capacity (kWatt)	12.31 (3.22-13.19)	14.07 (4.10-16.41)	16.12 (4.98-18.46)		
Heating Capacity (Btu/h)	46.000 (10.000-50.000)	55.000 (15.000-63.000)	60.000 (18.000-70.000)		
Heating Capacity (kWatt)	13.48 (2.93-14.65)	16.12 (4.40-18.46)	17.59 (5.28-20.51)		
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	12.1	13.4	15.3
		Energy Class	A+	A++	A+
	Heating (Middle Zone)	SEER	5.6	5.6	5.6
		Pdesign (kW)	10.5	11.2	12
		Energy Class	A+	A+	A+
		SCOP	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	10.5	11.6	12.2
		Energy Class	A++	A+++	A+++
SCOP	5.1	5.1	5.1		
Voltage / Frequency / Phase (V/Hz/Ph)	380-415/50/1	380-415/50/1	380-415/50/1		
Current Input (A)	1.8-8.7/1.7-9.0	2.4-10.9/2.5-11.4	2.9-12.3/2.6-11.5		
Power Input (W)	1200-6.050/975-5.230	1.400-6.510/1.230-6.100	1.960-7.500/1.400-6.510		
Air Flow Volume [m³/h] (High/Medium/Low)	1.861/1.457/914	1.820/1.660/1.460	2.506/2.165/1.802		
Outdoor Static Pressure (Pa)	0-160	0-160	0-160		
Noise Level (dB(A))	Indoor Unit (Low/Medium/High)	44.5/46.5/48.5	45/47.5/50.5	45/54/57	
	Outdoor Unit	62.5	65	62.5	
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit	66.5/71	64/73	74/75	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)	5x2.5 / 3x20	5x2.5 / 3x20	5x2.5 / 3x20		
Signal Wires (No x mm²)	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)		
Dimensions WxDxH(mm)	Indoor Unit	1.200x874x300	1.200x874x300	1.200x874x300	
	Outdoor Unit	946x410x810	952x410x1.333	952x410x1.333	
Net Weight (kg)	Indoor/Outdoor Unit	47.2/56.8	43.2/108.1	43.1/112.8	
Liquid Line   Gas Line	3/8"   5/8"	3/8"   5/8"	3/8"   5/8"		
Refrigerant	R410A/4.650g	R410A/4.000g	R410A/4.300g		
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	
	Heating	-15-24	-15-24	-15-24	





**5**  
YEARS WARRANTY  
Classic

MODEL	V4MFI-50/V4MFO-50	V4MFI-66/V4MFO-66		
Cooling Capacity (Btu/h)	48.000 (13.500-51.000)	53.000 (14.000-55.000)		
Cooling Capacity (kWatt)	14.07 (3.96-14.95)	15.53 (4.10-16.12)		
Heating Capacity (Btu/h)	50.000 (8.700-58.000)	60.000 (14.500-63.000)+12.000		
Heating Capacity (kWatt)	14.65 (2.43-17.0)	17.58 (4.25-18.46)+3.52		
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	14.0	15.6
		Energy Class	A++	A++
		SEER	6.1	6.0
	Heating (Middle Zone)	Pdesign (kW)	11.1	12.3
		Energy Class	A+	A+
		SCOP	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	11.6	12.6
		Energy Class	A+++	A+++
		SCOP	5.1	5.1
Voltage / Frequency / Phase (V/Hz/Ph)	380-415/50/3	380-415/50/3		
Current Input (A)	Cooling/Heating 8.8 (0.8-9.9) / 7.0(0.7-9.2)	9.4 (1.0-11.0) / 10.7 (1.1-10.7)+9.3		
Power Input (W)	Cooling/Heating 5.000 (470-5.850) / 4.440 (450-5.450)	6.200 (600-6.500) / 6.000 (660-6.300)+3.800		
Air Flow Volume [m³/h] (High/Medium/Low)	2.150/1.850/1.450	2.150/1.850/1.450		
Noise Level (dB(A))	Indoor Unit (Low/Medium/High)	53/48/44	52/48/44	
	Outdoor Unit	64	66	
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit	63/72	67/74	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)	5x2.5/3x25	5x2.5/3x25		
Signal Wires (No x mm²)	3x2.5 (2x0.5 Shield)	5x2.5 (2x0.5 Shield)		
Dimensions WxDxH(mm)	Indoor Unit	600x455x1.934	600x455x1.934	
	Outdoor Unit	952x415x1.333	952x415x1.333	
Net Weight (kg)	Indoor Unit/Outdoor Unit	61.6/108.1	65.0/112.8	
Liquid Line   Gas Line	3/8"   5/8"	3/8"   5/8"		
Refrigerant	R410A/4.000g	R410A/4.300g		
Operation Temperature Range (°C)	Cooling	-15-50	18-43	
	Heating	-25-30	-7-24	

Auto Restart

Lock

24-Hours Timer

Excellent Heating Performance Under -15°C

Turbo Mode

**Anti-Cold Air Function**

Indoor fan speed is regulated automatically from the lowest grade to the setting grade, according to the evaporator temperature when the unit starts to operating under heating mode.

**Auxiliary Heater**

Plug-in electric heater, for higher efficiency in heating even in very low weather conditions.

MODEL	R2FI-50/R2FO-50	RFI-66B/RFO-66B		
Cooling Capacity (Btu/h)	42.000	54.592		
Cooling Capacity (kWatt)	12.31	16.00		
Heating Capacity (Btu/h)	50.000+11.942	61.416 + 11.942		
Heating Capacity (kWatt)	14.65+3.5	18.00+3.5		
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	-	-
		Energy Class	D	E
		SEER	-	-
	Heating (Middle Zone)	Pdesign (kW)	-	-
		Energy Class	D	D
		SCOP	-	-
	Heating (Warm Zone)	Pdesign (kW)	-	-
		Energy Class	-	-
		SCOP	-	-
EER/COP	2.61/2.90	2.5/2.9		
Voltage / Frequency / Phase (V/Hz/Ph)	380-415/50/3	380-415/50/3		
Current Input (A)	Cooling/Heating 8.03/8.59	12.05/12.05		
Power Input (W)	Cooling/Heating 4.720/5.050	6.400/6.200		
Air Flow Volume [m³/h] (High/Medium/Low)	4.720/5.050	2.000/1.800/1.600		
Noise Level (dB(A))	Indoor Unit (Low/Medium/High)	46/48/52	50/53/58	
	Outdoor Unit	59	63	
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit	-	-	
Power Supply Wire Outdoor (No x mm²) / Fuses (A)	5x2.5/3x20	5x4.0/3x25		
Signal Wires (No x mm²)	5x2.5 & 9x1.5	5x2.5 & 9x1.5		
Dimensions WxDxH(mm)	Indoor Unit	580x395x1.870	540x380x1.750	
	Outdoor Unit	1.032x412x1.250	950x412x1.250	
Net Weight (kg)	Indoor Unit/Outdoor Unit	60/105	60/115	
Liquid Line   Gas Line	1/2"   3/4"	1/2"   3/4"		
Refrigerant	R410A/3.200g	R410A/5.000g		
Operation Temperature Range (°C)	Cooling	18-43	18-43	
	Heating	-7-24	-7-24	

## A - Ω



### A++ Energy Class

The higher and more efficient performance rating maximizes your energy savings.



### A+++ Energy Class

Excellent heating operation for maximum energy savings.



### All DC Inverter

The fans of the indoor and outdoor units, as well as the compressor, have been upgraded to All DC Inverter technology. In this way, the compressor can change the capacity depending on the needs of the indoor atmosphere and create perfect conditions in the room.



### Anti-Cold Air Function

Indoor fan speed is regulated automatically from the lowest grade to the setting grade, according to the evaporator temperature when the unit starts to operating under heating mode.



### Auto Error Diagnosis

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



### Auto Restart

If the air conditioner breaks off unexpectedly due to the power failure, it will restart with the previous setting mode automatically when the power resume.



### Auxiliary Heater

Plug-in electric heater, for higher efficiency in heating even in very low weather conditions.



### Built-in Drain Pump

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



### Central Control

Centralized (for up to 64 indoor units), front desk, touch pad wired controller, Wi-Fi and many others.



### Central Control Management (Optional)

The centralized multi-functional device can control up to 64 indoor units within a maximum connection length of 1200m.



### Double Air Outlet

Choose between the bottom or the top and bottom air outlet. Ideal solution that provides stable room temperature even in the case of difficult installations.



### Electronic Expansion Valve Per Circuit

The independent electronic valve of each indoor unit, offers better operating control and efficiency.



### Emergency Using Mode

In case of a temperature sensor error, the air conditioner will display an error code. The unit will continue operating, in order to avoid any further malfunction of an abrupt shutdown, till the damage is restored.



### Error Alarm Port

An indicator of an error code will display if an error occurs.



### Excellent Heating Performance Under -15°C

Excellent heating operation even in places with -15°C temperature.



### External Air Duct Outlet

With the special design of the indoor unit, an extra duct can supply air to another room. Suitable for air conditioning extra small rooms.



### Flexible Installation

Connect up to 5 indoor units of any type. Maximum total pipe length up to 75m.



### Follow Me

A smart sensor is located on the remote control. When the Follow Me 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.



### Fresh Air Intake

Provided to handle the fresh air load for a clean and healthy environment



### Front Desk Control (Optional)

With a smart control board, air conditioners can be turned on/off via long distance control signals.



### Green Fin

High anti-corrosion hydrophilic aluminum foil coating (Organic resin). The coating can withstand the salty air, the rain and any other corrosive elements. Not only protects the outdoor unit but also improves the performance of the unit.



### Hotel Menu

With the Hotel Menu, cooling and heating operation can be set under certain operating limits. The air conditioner is locked preventing extreme temperatures and drastically contributes to save up to 70% of the operating costs.



### Ionizer Filter

The ions released in the air, give you a fresh and clean atmosphere, by capturing dust and smoke, offering wellness and high quality room conditions.



### Lock

Engage the lock function to prevent anyone from changing the settings or children playing with the unit.



### Low Ambient Cooling

The outdoor unit's special design produces an efficient and effective cooling operation even at -15°C.



### New "High Intelligence" Controller

Take advantage of the Weekly Planner and adjust according to your needs, the air conditioner's operating period, ensuring maximum energy and money savings. The new advanced wired controller, shows up the error codes and additionally enables you to activate the room temperature sensor via the wired controller instead of the air conditioner.



### Quiet Operation

This feature refers to the reduced noise emissions in order to achieve a pleasant and comfortable operation of your air conditioner.



### Refrigerant Leakage Detect

Indoor unit will show error code "EC" and will stop automatically when refrigerant leakage is detected.



### Remote Error Indication

The advanced electronic board of Inventor air conditioners includes outputs, through which you can receive a warning signal, in case of unit's malfunction or abnormal operation (light indication).



### Robust Outdoor Design

The redesigned outdoor units are sturdier and easier for maintenance. The upside-down electrical box keeps the electrical parts dust free (up to 70% dust reduction) and the heating performance is increased even in lower outdoor temperatures.



### Sleep Mode

With the Sleep Mode, the air conditioner adjusts the room temperature for perfect sleeping conditions and great energy savings.



### Smart Controller

Take advantage of the 4 choices to adjust the indoor unit's fan speed and benefit from the Filter Cleaning Reminder mode, the Louver Position Memory, the Temperature Compensation sensor and the Higher/Lower Temperature settings to create the ideal conditions in your place.



### Static Pressure Settings

With the advanced technology of the new air Duct units, you can set the available static pressure depending on your plant's duct network, from 0Pa to 120Pa.



### Super Slim Design

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



### Temperature Sensor Offset

The temperature detected by the indoor unit temperature probe will often be different from the actual ground temperature, due to the indoor units being installed at different heights. This feature can correct the temperature difference.



### Turbo Mode

Under Turbo Mode you can achieve faster cooling in the space.



### Two Air Inlet Styles

Choose between the bottom or the rear side for the air intake. Flexible air intake from the back or the bottom part of the unit, that can fit to all kinds of installation.



### Wide Angle Air Flow

The special design provides a wide and very comfortable airflow, for greater air circulation.



### Wide Operation Range

With up to 25 stages (F1-F25) of compressor frequency. The frequency range increases up to 70%, allowing the system to run smoothly. Offers accurate control for an ideal atmosphere with greatest energy savings.



### Wi-Fi Standard

The series of Aria air conditioners include a USB stick, in order for you, to enjoy all the benefits of remote management. Control your climate easily from wherever you are, with your Smartphone or Tablet. Free download the Invmate II application via Google Play & App Store and achieve optimal temperature conditions with great energy savings.



### 4 Way 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.



### 24-Hours Timer

Set the unit to start and stop automatically in a 24 hours period.



### 360° Air Outlet

Enjoy optimum comfort, anywhere in the room. 360 degree directional wind coming out from 8 instead of 4 air outlets, can deliver air evenly throughout every corner in any space. Supplying 360 degree, even airflow, reduces hot and cold spots in the space providing ultimate comfort.



Light Commercial  
& Multi Split  
Systems Catalogue

2017



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