



Residential & Light Commercial A/C Units

Welcome to the World of **inventor** Air Conditioners

Created by the largest Air Conditioner manufacturers globally
Inventor units enjoy a reputation of exceptional
quality and outstanding performance!



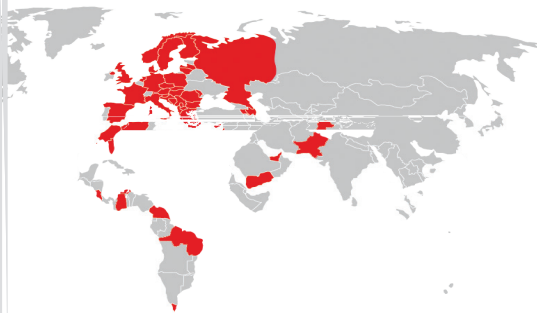
sion!

inventor Air Conditioning professional
and end-user, top quality products at competitive prices. We offer products and services
flexible to meet the needs of each individual client «Your Conditions».
Our wide range products are constantly updated, new products are introduced
annually after conducting extensive research in the global Air Conditioning market,
as well as taking into account the latest technological and environmental trends.

Our clients are the center
of our company! We offer:

- Innovative top quality
products at the most
competitive prices
- 5 years warranty
of excellent performance
- Unique after sales services
- Products according
to specific local demands

Years of experience, countless satisfied
clients in more than 50 countries in the world!

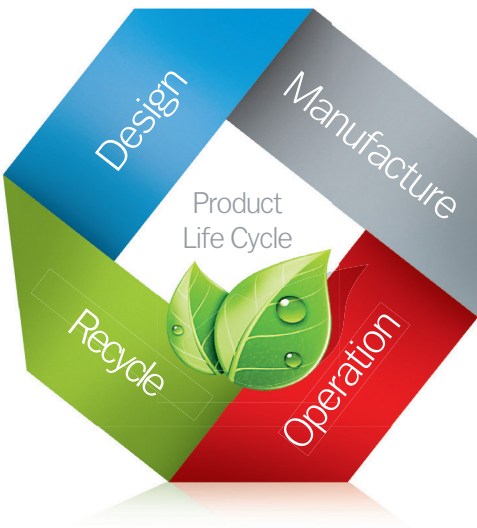


Eco Design	
New energy labels	
DC Inverter & A++	
Various Technologies	
Remote Control	
Led Display	
Wall Mounted Units	
Passion Series	A++
Alfa Series	A++
Orbit Series	R410A
Orbit Series	R22
Multi Free Match S	
4 Way Cassete Uni	
V2MCR & VMCR & IM	
V2MC	
V1MC & IMC	
Ducted Units	
V2MD	A++
V1MD	DC INVERTER
IMDI	
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Console Units	
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Floor / Ceiling	
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Residential & Light Commercial A/C Units



BLUE-LINE RANGE

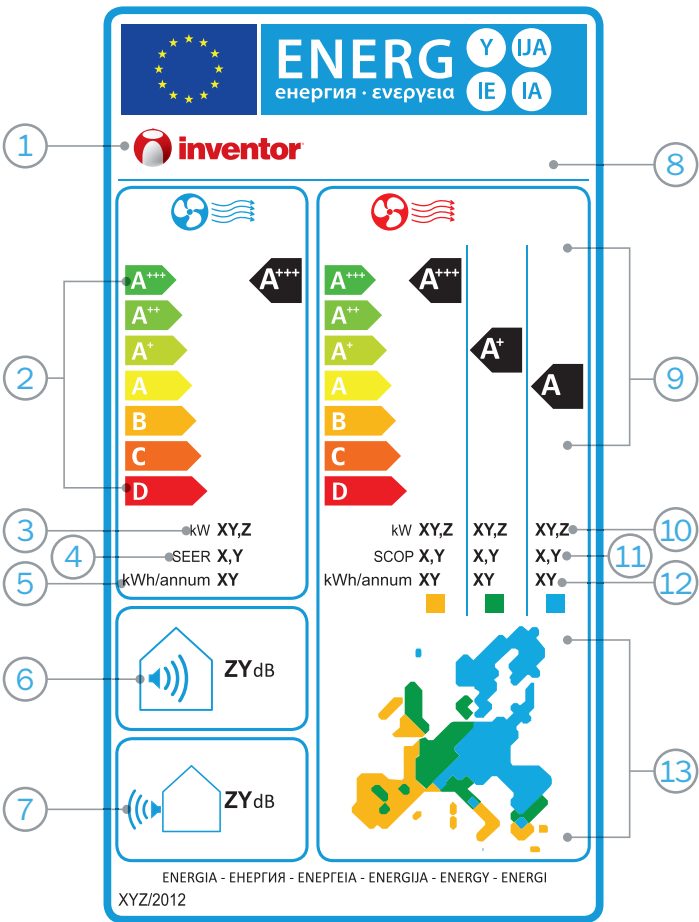


Eco Design

Inventor Air Conditioners are designed with special consideration on the environmental impacts during their whole lifecycle.

The overall objective of Eco-design products is to reduce greenhouse gas emissions at low cost, through reduced energy demand. Eco-design products are not only environment friendly, but also offer considerable savings through reduced energy demand during operation. In addition, Inventor units are designed and produced taking into account other environmental considerations including: materials use; water use; polluting emissions; waste issues and recyclability.

New Energy Label



- 1 Brand Name
- 2 Energy classification cooling mode, A+++ the most efficient
- 3 Cooling Capacity
- 4 SEER : Seasonal Efficiency Ratio (for cooling mode), is the cooling season energy efficiency performance, expressed as the ratio between the reference seasonal cooling demand in kWh/a and the seasonal electricity consumption for cooling in kWh/a
- 5 Annual power consumption in cooling mode
- 6 Sound Power Level (dB) indoor unit
- 7 Sound Power Level (dB) outdoor unit
- 8 Indoor's and outdoor's units model name
- 9 Energy classification in heating mode*
- 10 Heating Capacity*
- 11 SCOP : Seasonal Coefficient of Performance (for Heating mode) is the heating season efficiency performance, expressed as the ratio between the reference seasonal heating energy demand in kWh/a and the seasonal electricity consumption for heating, which may vary according to the climate profile chosen in kWh/a*
- 12 Annual power consumption in heating mode*
- 13 European map divided into 3 climate zones
 - Warm zone
 - Average zone
 - Cold zone

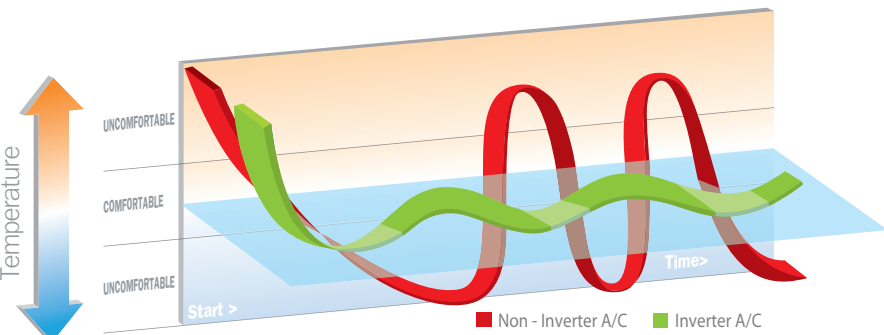
* Only average climate zone data are obligatory to be written
** The new energy label and the eco design are obligatory only for the units up to 12kW



DC Inverter Technology

Save Energy and enjoy maximum comfort levels with Inventor's DC INVERTER technology

As a multiple-part kit, "DC Inverter" regulates voltage, current and frequency on the compressor and the outdoor unit's motor, succeeding a wide capacity range and stable operation. Combined with the sensors placed both in the indoor and outdoor units, "DC Inverter" offers ultimate comfort levels and superior performance, even in extreme outdoor conditions, with energy savings up to 50%.



- ✓ Save Energy
- ✓ Soft start up
- ✓ Wide capacity range
- ✓ Operation at maximum capacity in order to reach the desired temperature in the shortest time
- ✓ Constant and silent operation at low capacity when desired temperature is reached for a relaxing environment

All DC Inverter



The advanced All DC Inverter technology allows continuous adjustment and control of the frequency of the compressor and the fan motors of the indoor and the outdoor units. By varying the frequency of the compressor, there is a continuous adjustment of the unit performance to create the perfect indoor conditions fast, smoothly and economically.

The DC Inverter motor of the outdoor unit offers a wide operating range, allowing the unit to work seamlessly in extreme outdoor weather conditions and with great savings of up to 50%. In addition, the internal DC Inverter fan, adjusts with high accuracy the indoor conditions achieving stability in room temperature without fluctuations.

U - MATCH



Advanced outdoor unit common to all Light Commercial indoor Air Conditioning units ON/OFF and DC INVERTER.

The same outdoor unit can be connected to either cassette and floor-ceiling or ducted units, achieving, easy maintenance and fewer spare parts in case of damage.

Various Technologies

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

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

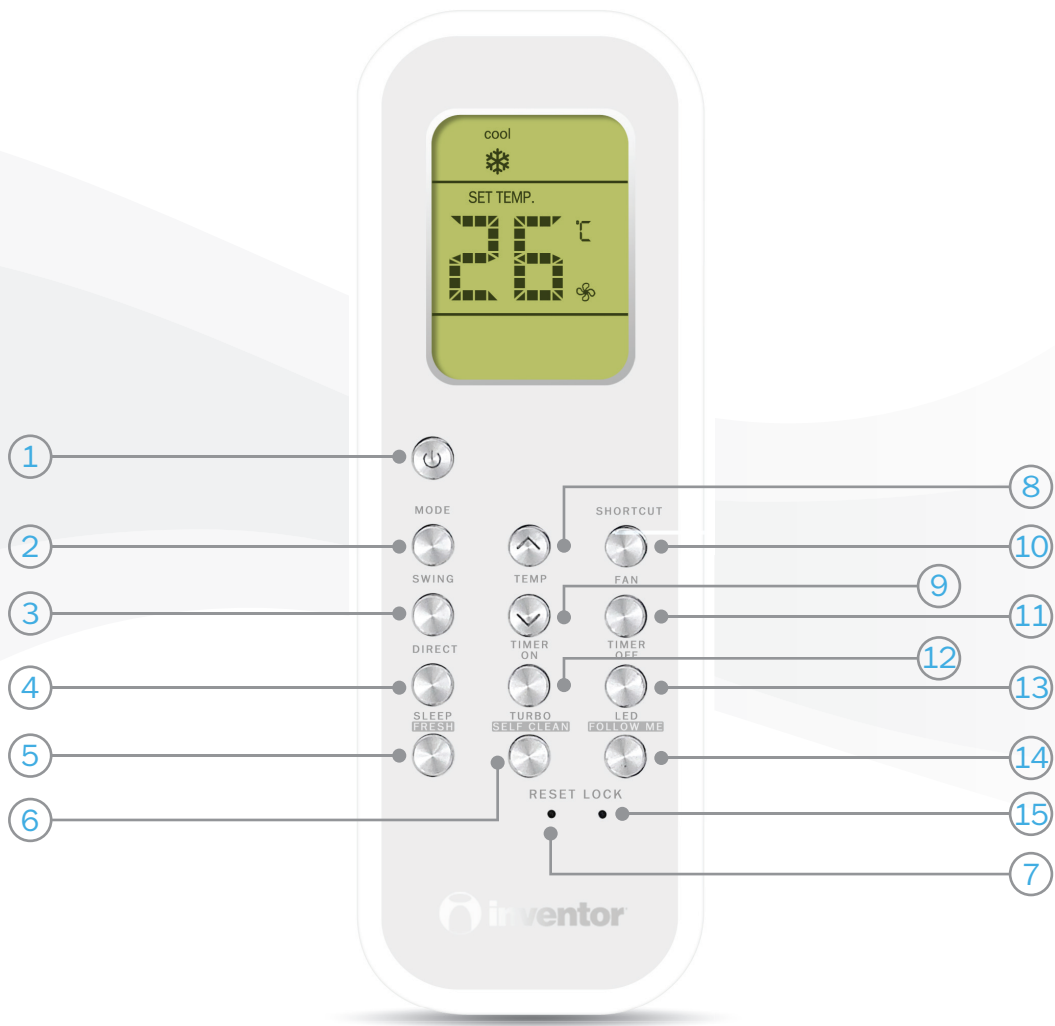
1 Watt Standby
Power consumption less than 1 Watt in standby mode saving energy up to 80%

Self diagnosis
Auto error diagnosis makes maintenance easier

Turbo Function
To reach the desired indoor temperature quickly

Auto restart
Unit restores previous functions after a power loss

Remote Control Functions

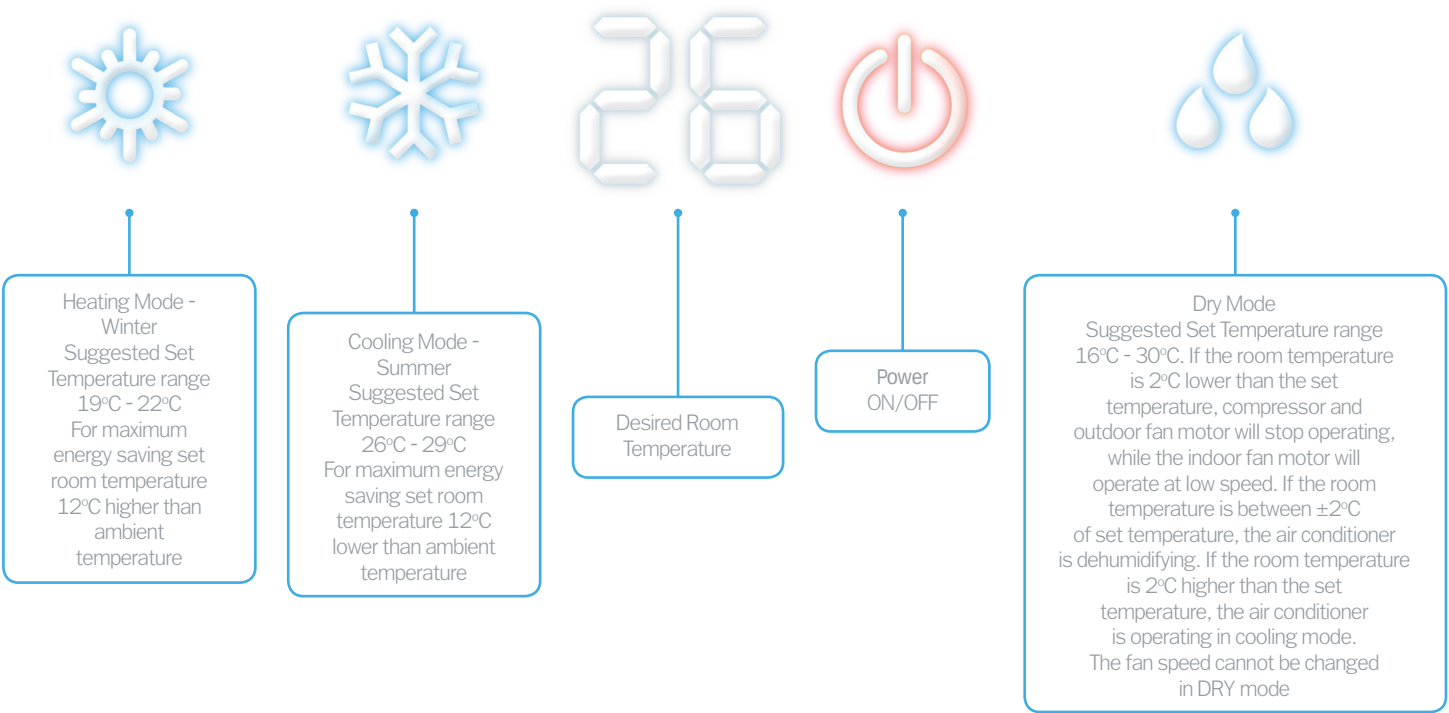


- 1. ON / OFF**
Turns the unit ON&OFF
- 2. MODE**
Choose: AUTO (Adjusts the function according to the outdoor conditions) COOL, DRY, FAN, HEAT
- 3. SWING**
Set up swing angle for greater air circulation
- 4. DIRECT**
Controls the angle of the swing louver for better air circulation
- 5 SLEEP/FRESH**
Sleep mode saves energy by gradually increasing (summer) or decreasing (winter) the Indoor temperature, to match your body metabolism helping you sleep comfortably. If you press the same button for over 2 seconds the ionizer is turned on.

- 6. TURBO/SELF CLEAN**
TURBO function to reach the desired indoor temperature quickly.
- 7. RESET**
Restores the initial settings
- 8. UP (▲/ +)**
Increases the desired indoor room temperature
- 9. DOWN (▼/ -)**
Decreases the desired indoor room temperature
- 10. SHORTCUT (Memory Shortcut)**
Restores the current settings or repeats the previous

- 11. FAN SPEED**
Select Fan Speed: AUTO, LOW, MEDIUM, HIGH
- 12. TIMER ON**
Set timer on, saves energy by switching on your unit the time you need it
- 13. TIMER OFF**
Set timer off, to switch off the unit after a certain time period
- 14. LED / FOLLOW ME / I FEEL**
Switch display on & off. If you press the same button over 2 seconds the Follow Me / I FEEL operation is turned on. With this operation the room temperature is controlled according to the location of the remote controller.
- 15. LOCK**
Locks all the current settings

LED Display



Healthy Filters & Ionizer for Healthy Indoor Atmosphere



- Cold Catalyst Filter**
- Ionizer**
The Ionizer is one of the most advanced air-cleaning technologies in the world. The Ionizer disinfects and diminishes bad smells in the room up to 95%. At the same time, it generates negative ions, in order to create a safe, healthy and relaxing environment.
- Cold Catalyst Filter**
It absorbs smells and harmful gases such as formaldehyde and other volatile organic compounds.

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 and maximum energy savings

Excellent Operation
In extreme weather Conditions without efficiency loss.
Colling -15°C~50°C / Heating -15°C~30°C

Cooling Mode
In low ambient temperatures, -15°C~50°C

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 un smoothly. It also provides accurate control for a comfortable environment and great energy saving

12 Steps Indoor Fan Speed
Up to 12 steps indoor fan speed, ensures more accurate temperature control and creates an ultra comfortable indoor environment

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

1 Watt Standby
Power consumption less than 1 Watt in standby mode saving energy up to 80%

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

Refrigerant Leakage Detect
The indoor unit will show the error code “EC” and will stop automatically when refrigerant leakage is detected

I FEEL
The indoor temperature sensor is located on the remote control, in order for the unit to operate according to the needs of your body

Cold Catalyst Filter
Eliminates formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors

Auto Restart
Saves the last settings in case of power failure

Back - Lit Display

Plasma Dust Collector (Optional)
Generates a high voltage electrostatic zone, absorbs and eliminates dust, smoke and pollen particles. It also deodorizes air by removing tobacco odors, garbage smells etc

Vitamin C Filter (Optional)
Releases vitamin C which can eliminate active oxygen to beautify the skin

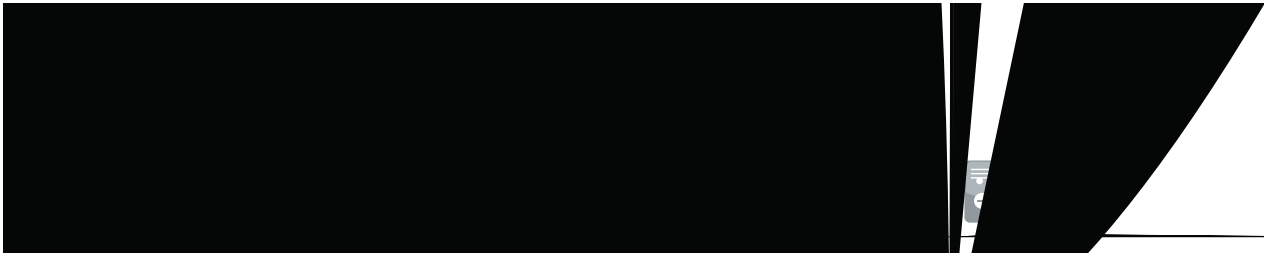
Silver Ion Filter (Optional)
Eliminates bacteria effectively by decomposing their cell wall

Bio Filterpollution (Optional)
Consists of a specialized biological enzymes and eco filter. The eco filter catches very small airborne dust particles and neutralizes bacteria, fungi and mic robes. Biological enzymes kill bacteria by dissolving their cell wall, therefore eliminating the problem of re-pollution

Golden Fin (Optional)
Effectively prevents bacteria beeding and improves heat transfer efficiency. The unique anti corrosive golden coating on the condenser can withstand the salty air, rain and other corrosive elements

8°C Heating (Optional)
In the heating mode, the preset temperatue of the air conditioner can be as low as 8°C. This allows a steady room temperature and prevents the house from freezing when it is unoccupied for a long time in severe cold

Self-Clean] . I



Mini Split R410A Unit

MODEL		OMI-09 / OMO-09	OMI-12 / OMO-12	OMI-18 / OMO-18	OMI-24 / OMO-24
		ON OFF	ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		9.000	12.000	18.000	21.000
Heating Capacity (Btu/h)		9.500	13.000	19.000	23.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	3.5	4.81	7.5	9.8
	Heating	3.3	4.51	7.2	9.4
Power Input (W)	Cooling	820	1.092	1.643	2.190
	Heating	770	1.053	1.543	2.100
EER		3.22	3.22	3.21	3.81
COP		3.62	3.62	3.61	3.21
Energy Class		A / A	A / A	A / A	C / C
Air Flow Volume (Hi/Med/Low) (m³/h)		550/480/380	600/510/370	1.000/820/730	1.100/1.000/810
Noise Level (dB(A))	Indoor unit (High/Low)	39/35/29	42/37/28	45/40/35	49/45/39
	Outdoor unit	56	55	60	63
Dimensions WxDxH (mm)	Indoor unit	770x188x255	770x188x255	1.030x218x315	1.030x218x315
	Outdoor unit	700x240x540	780x250x540	760x285x590	820x330x595
Net Weight Indoor/Outdoor (kg)		7/24.5	7.5 / 28	12.5 / 37.5	12/44
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
Liquid line / Gas line		1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Refrigerant		R410A/620g	R410A/750g	R410A/1.280g	R410A/1.600g
Operation Temperature Range (°C)	Cooling	18-43	18-43	18-43	18-43
	Heating	-7-24	-7-24	-7-24	-7-24
Loading Quantity 20'/40'/40 HQ (Set)		126/271/294	111/239/273	87/178/200	75/156/176

Alternative Panels for Exports



ORBIT AP1

ORBIT AP2

OMI



Sleep Function

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

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

Refrigerant Leakage Detect

The indoor unit will show the error code "EC" and will stop automatically when refrigerant leakage is detected

Auto Restart

Saves the last settings in case of power failure

2 Ways Draining Connection

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

I FEEL

The indoor temperature sensor is located on the remote control, in order for the unit to operate according to the needs of your body

Plasma Dust Collector (Optional)

Generates a high voltage electrostatic zone, absorbs and eliminates dust, smoke and pollen particles. It also deodorizes air by removing tobacco odors, garbage smells etc

Vitamin C Filter (Optional)

Releases vitamin C which can eliminate active oxygen to beautify the skin

Bio Filterpollution (Optional)

Consists of a specialized biological enzymes and eco filter. The eco filter catches very small airborne dust particles and neutralizes bacteria, fungi and mic robes. Biological enzymes kill bacteria by dissolving their cell wall, therefore eliminating the problem of re-pollution

Silver Ion Filter (Optional)

Eliminates bacteria effectively by decomposing their cell wall

Cold Catalyst Filter

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

Golden Fin (Optional)

Effectively prevents bacteria beeding and impoves heat transfer efficiency. The unique anti corrosive golden coating on the condenser can withstand the salty air, rain and other corrosive elements

8°C Heating (Optional)

In the heating mode, the preset temperatue of the air conditioner can be as low as 8°C. This allows a steady room temperature and prevents the house from freezing when it is unoccupied for a long time in severe cold

Self-Cleaning (Optional)

Protects the inner parts of the unit from mold and eliminates odors in cooling mode

STANDARD FEATURES



OPTIONAL FEATURES



R22

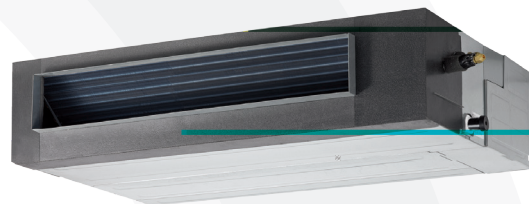
(Optional)
iFEEL

Flexibility, economy and comfort
with environment friendly operation



Outdoor units from
14.000 up to 36.000Btu/h

Indoor units from
7.000 up to 18.000Btu/h



Up to 5
Connections



Operation Temperature Range (°C)
Cooling -15°~50° / Heating -15°~24°



OPTIONAL FEATURES



Vitamin C
Filter



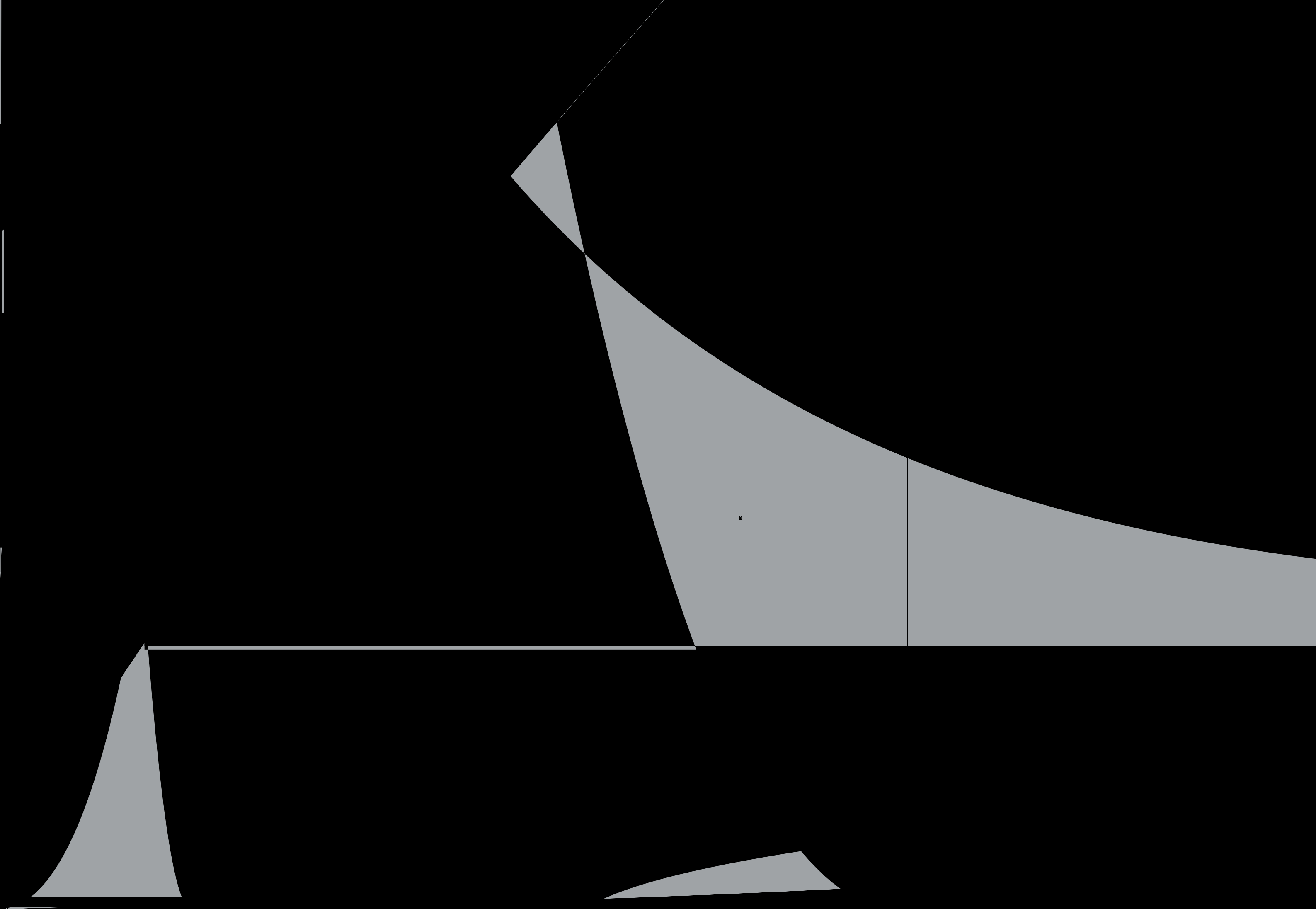
Bio-filter



Silver Ion
Filter



Golden Fin



Multi Free Match Split Units

BLUE-LINE RANGE

Eco Design Console Unit

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 metabolism helping you sleep comfortably

Auto Restart

Saves the last settings in case of power failure

Wide Angle Air Flow

For greater air circulation

Low Ambient Cooling

Operation at low outdoor temperature (up to -15°C) in cooling mode

2 Ways Draining Connection

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

Double Air Outlet

Air outlet from top and bottom to enjoy fast cooling

Wired Control (Optional)

Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleading. It's mainly used for commercial zones and makes air conditioner control more convenient

ON-OFF Switch (Optional)

With the reserved ports, a remote switch can be easily connected to realize remote control

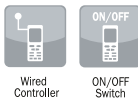
Healthy Filters (Optional)



STANDARD FEATURES



OPTIONAL FEATURES



MODEL		LV2MLI-07	LV2MLI-09	LV2MLI-12	LV2MLI-18
Cooling Capacity (Btu/h)		7.000	9.000	12.000	18.000
Heating Capacity (Btu/h)		8.000	10.000	13.000	18.000
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	0.13	0.13	0.17	0.22
	Heating	0.13	0.13	0.17	0.22
Power Input (W)	Cooling	30	30	40	50
	Heating	30	30	40	50
Air Flow Volume (m³/h)		680	680	650	740
Noise Level (dB(A))		47	47	47	48
Sound Power Level (dB(A))		56	57	57	59
Net Dimensions WxHxD (mm)		700x600x210	700x600x210	700x600x210	700x600x210
Net Weight Indoor (kg)		13.6	13	15	15
Liquid Line / Gas Line		1/4"/3/8"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"
Room Temperature Range (°C)	Cooling	17-32	17-32	17-32	17-32
	Heating	0-30	0-30	0-30	0-30

Eco Design Ducted Unit

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 power failure

Sleep Function

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

Ability to connect with BMS

Centralized Control Manager (Optional)

The centralized controller is a multifunctional device that can control up to 64 indoor units

I FEEL (Optional)

The indoor temperature sensor is located on the remote control, in order for the unit to operate according to the needs of your body

ON-OFF Switch (Optional)

With the reserved ports, a remote switch can be easily connected to realize remote control

Error Alarm Port (Optional)

The built-in PCB can output an alarm signal, which allows setting up an external alarm light or vibration gauge

Low Ambient Cooling (Optional)

Operation at low outdoor temperature (up to -15°C) in cooling mode

Built-in Drain Pump (Optional)

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

Remote Controller (Optional)



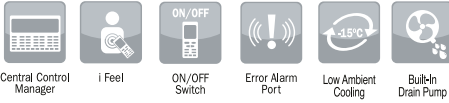
LV2MDI



STANDARD FEATURES



OPTIONAL FEATURES



MODEL		LV2MDI-07	LV2MDI-09	LV2MDI-12	LV2MDI-18
Cooling Capacity (Btu/h)		7.000	9.000	12.000	18.000
Heating Capacity (Btu/h)		8.000	10.000	13.000	20.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	0.13	0.13	0.17	0.48
	Heating	0.13	0.13	0.17	0.48
Power Input (W)	Cooling	30	30	40	107
	Heating	30	30	40	107
Air Flow Volume (m³/h)		600	600	680	1.000
Static Pressure (Pa)		40	40	40	70
Noise Level (dB(A))		38	43	43	46
Sound Power Level (dB(A))		55	55	55	56
Net Dimensions WxHxD (mm)		700x210x635	700x210x635	700x210x635	920x210x635
Net Weight Indoor (kg)		19.5	19.5	18	23
Liquid / Gas Line		1/4"/3/8"	1/4"/3/8"	1/4"/3/8"	1/4"/1/2"
Room Temperature Range (°C)	Cooling	17-32	17-32	17-32	17-32
	Heating	0-30	0-30	0-30	0-30

BLUE-LINE RANGE

MODEL			U2MRSL(2)-14	U2MRSL(2)-18	U2MRSL(3)-21
Cooling Capacity (Btu/h)			14.000	18.000	21.000
Heating Capacity (Btu/h)			16.000	21.000	23.000
Number of Indoor Units (min-max)			1-2	1-2	1-3
Voltage/Frequency/Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	4.1	5.3	6.4
		SEER	5.2	6.3	6.4
		Energy Class	A	A++	A++
	Heating (Middle Zone)	Pdesign (kW)	4.4	5.8	6.1
		SCOP	3.5	4.1	4.1
		Energy Class	A	A+	A+
Noise Level (dB(A))			62	61	58
Sound Power Level (dB(A))			63	63	64
Dimensions WxHxD (mm)			845x700x320	845x700x320	845x700x320
Net Weight Outdoor (kg)			44	48	50
Compressor Type			ROTARY	Twin-rotary	Twin-rotary
Liquid Line / Gas Line			2 x 1/4"/3/8"	2 x 1/4"/3/8"	3 x 1/4"/3/8"
Refrigerant			R410A/1.550g	R410A/1.900g	R410A/2.100g
Maximum Pipe Length (m)	Total		30	30	45
	For one Indoor Unit		20	20	25
Max. Height Difference Between Indoor and Outdoor Unit (m)	Outdoor Unit Higher than Indoor Unit		10	10	10
	Outdoor Unit Lower than Indoor Unit		15	15	15
Max. Height Difference Between Indoor Units (m)			10	10	10
Operation Temperature Range (°C)	Cooling		-15-50	-15-50	-15-50
	Heating		-15-24	-15-24	-15-24

MODEL			U2MRSL(3)-27	U2MRSL(4)-28	U2MRSL(4)-36	U2MRSL(5)-36
Cooling Capacity (Btu/h)			27.000	28.000	36.000	36.000
Heating Capacity (Btu/h)			30.000	31.000	41.000	42.000
Number of Indoor Units (min-max)			1-3	1-4	1-4	1-5
Voltage/Frequency/Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1	230/50/1
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	8.1	8.2	10.55	10.5
		SEER	7.0	6.4	5.8	5.3
		Energy Class	A++	A++	A+	A
	Heating (Middle Zone)	Pdesign (kW)	8.6	8.2	10.9	10.5
		SCOP	3.9	3.8	3.8	3.4
		Energy Class	A	A	A	A
Noise Level (dB(A))			61	59	64	63
Sound Power Level (dB(A))			67	70	67	67
Dimensions WxHxD (mm)			900x860x315	900x860x315	990x965x345	990x965x345
Net Weight Outdoor (kg)			62	65	78	80
Compressor Type			Twin-rotary	Twin-rotary	Twin-rotary	Twin-rotary
Liquid Line / Gas Line			3 x 1/4"/3/8"	4 x 1/4"/3/8"	4 x 1/4"/3/8"	5 x 1/4"/3/8"
Refrigerant			R410A/2.400g	R410A/2.400g	R410A/2.700g	R410A/3.000g
Maximum Pipe Length (m)		Total	45	60	60	75
		For one Indoor Unit	25	30	30	30
Max. Height Difference Between Indoor and Outdoor Unit (m)		Outdoor Unit Higher than Indoor Unit	10	10	10	10
		Outdoor Unit Lower than Indoor Unit	15	15	15	15
Max. Height Difference Between Indoor Units (m)			10	10	10	10
Operation Temperature Range (°C)		Cooling	-15-50	-15-50	-15-50	-15-50
		Heating	-15-24	-15-24	-15-24	-15-24

STANDARD FEATURES

Connects up to 5 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 and maximum energy savings

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 un smoothly. It also provides accurate control for a comfortable environment and great energy saving

Excellent Operation
In extreme weather Conditions without efficiency loss.
Colling -15°C~50°C / Heating -15°C~30°C

Cooling Mode
In low ambient temperatures, -15°C~50°C

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

Flexible Installation
Maximum total pipe length up to 75m

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

Multi Free Match Split Units



BLUE-LINE RANGE

Combination Table

Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	Indoor Unit E	U2MRSL(2)-14	U2MRSL(2)-18	U2MRSL(3)-21	U2MRSL(3)-27	U2MRSL(4)-28	U2MRSL(4)-36	U2MRSL(5)-36
7k	-	-	-	-	•	•	•	•	•	•	•
9k	-	-	-	-	•	•	•	•	•	•	•
12k	-	-	-	-	•	•	•	•	•	•	•
18k	-	-	-	-		•	•	•	•	•	•
7k	7k	-	-	-	•	•	•	•	•	•	•
7k	9k	-	-	-	•	•	•	•	•	•	•
7k	12k	-	-	-	•	•	•	•	•	•	•
7k	18k	-	-	-		•	•	•	•	•	•
9k	9k	-	-	-	•	•	•	•	•	•	•
9k	12k	-	-	-	•	•	•	•	•	•	•
9k	18k	-	-	-		•	•	•	•	•	•
12k	12k	-	-	-			•	•	•	•	•
12k	18k	-	-	-				•	•	•	•
18k	18k	-	-	-				•	•	•	•
7k	7k	7k	-	-			•	•	•	•	•
7k	7k	9k	-	-			•	•	•	•	•
7k	7k	12k	-	-			•	•	•	•	•
7k	7k	18k	-	-			•	•	•	•	•
7k	9k	9k	-	-			•	•	•	•	•
7k	9k	12k	-	-			•	•	•	•	•
7k	9k	18k	-	-				•	•	•	•
7k	12k	12k	-	-				•	•	•	•
7k	12k	18k	-	-				•	•	•	•
7k	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	-	-						•	•
7k	7k	7k	7k	-					•	•	•
7k	7k	7k	9k	-					•	•	•
7k	7k	7k	12k	-					•	•	•
7k	7k	7k	18k	-					•	•	•
7k	7k	9k	9k	-					•	•	•
7k	7k	9k	12k	-					•	•	•
7k	7k	9k	18k	-						•	•
7k	7k	12k	12k	-					•	•	•
7k	7k	12k	18k	-						•	•
7k	7k	18k	18k	-						•	•
7k	9k	9k	9k	-					•	•	•
7k	9k	9k	12k	-					•	•	•
7k	9k	9k	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)-14	U2MRSL(2)-18	U2MRSL(3)-21	U2MRSL(3)-27	U2MRSL(4)-28	U2MRSL(4)-36	U2MRSL(5)-36
7k	9k	12k	12k	-						•	•
7k	9k	12k	18k	-						•	•
7k	9k	18k	18k	-						•	•
7k	12k	12k	12k	-						•	•
7k	12k	18k	18k	-						•	•
7k	12k	18k	18k	-						•	•
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	-						•	•
9k	12k	18k	18k	-						•	•
12k	12k	12k	12k	-						•	•
12k	12k	12k	18k	-						•	•
7k	7k	7k	7k	7k							•
7k	7k	7k	7k	9k							•
7k	7k	7k	7k	12k							•
7k	7k	7k	7k	18k							•
7k	7k	7k	9k	9k							•
7k	7k	7k	9k	12k							•
7k	7k	7k	9k	18k							•
7k	7k	7k	12k	12k							•
7k	7k	7k	12k	18k							•
7k	7k	7k	18k	18k							•
7k	7k	9k	9k	9k							•
7k	7k	9k	9k	12k							•
7k	7k	9k	9k	18k							•
7k	7k	9k	12k	12k							•
7k	7k	9k	12k	18k							•
7k	7k	9k	18k	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	9k	18k	18k							•
9k	12k	12k	12k	12k							•
12k	12k	12k	12k	12k							•

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

Eco Design Compact Round Flow Cassette

MODEL			V2MCRI-12/U2MRS-12	V2MCRI-18/U2MRS-18
				
Cooling Capacity (Btu/h)			12.000 (3.600-14.400)	17.000 (5.400-21.600)
Heating Capacity (Btu/h)			12.000 (3.600-14.400)	18.000 (5.700-22.800)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	3.5	5.0
		Energy Class	A+	A+
		SEER	5.6	5.6
		Annual Power Consumption (kWh/year)	-	-
	Heating (Middle Zone)	Pdesign (kW)	3.5	5.3
		Energy Class	A	A
		SCOP	3.8	3.8
Annual Power Consumption (kWh/year)			-	-
Voltage/ Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1
Current Input (A)		Cooling	4.99 (1.01-6.68)	7.09 (1.53-10.06)
		Heating	4.35 (1.03-5.83)	6.68 (1.68-9.47)
Power Input (W)		Cooling	1.090 (233-1.537)	1.550 (351-2.313)
		Heating	950 (237-1.342)	1.460 (386-2.178)
Air Flow Volume (Hi/Med/Low) (m³/h)			800/710/560	800/710/560
Noise level (dB(A))		Indoor unit (High/Low)	47/39	47/39
		Outdoor unit	58	60
Sound Power Level Indoor unit / Outdoor unit (dB(A))			54 / 61	59 / 65
Dimensions WxDxH (mm)		Panel	647x647x50	647x647x50
		Indoor unit	570x570x260	570x570x260
		Outdoor unit	760x285x590	845x320x700
Net Weight Panel/Indoor/Outdoor (kg)			2.5/16/35.5	2.5/18/46
Liquid line / Gas line			1/4" / 3/8"	1/4" / 1/2"
Refrigerant			R410A/1.100g	R410A/1.800g
Operation Temperature Range (°C)		Cooling	-15-50	-15-50
		Heating	-15-24	-15-24
Loading Quantity 20'/40'/40 HQ(Set)			71/148/174	58/122/143



V2MCRI, VMCRI & IMCRI



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 and maximum energy savings

Excellent Operation
In extreme weather Conditions without efficiency loss.
Colling -15°C~50°C / Heating -15°C~30°C

Cooling Mode
In low ambient temperatures, -15°C~50°C

Steady Operation
At low outdoor temperature without efficiency loss

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 un smoothly. It also provides accurate control for a comfortable environment and great energy saving

1 Watt Standby
Power consumption less than 1 Watt in standby mode saving energy up to 80%

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

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 metabolism helping you sleep comfortably

Auto Restart
Saves the last settings in case of power failure

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

Built-In E-Box
The E-box is simply and safely built inside the indoor unit. This intergraded design provides a more compact body size and makes installation easier. The maintenance of the E-box is simple by opening the air-return grille

Built-in Drain Pump
The drain pump can lift the condensing water up to 750mm

Overflow Pump Indicator
Indicates the water level in order to empty the water tank on time

Centralized Control Manager (Optional)
The centralized controller is a multifunctional device that can control up to 64 indoor units

I FEEL (Optional)
The indoor temperature sensor is located on the remote control, in order for the unit to operate according to the needs of your body

Wired Control (Optional)
Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleadings. It's mainly used for commercial zones and makes air conditioner control more convenient

ON-OFF Switch (Optional)
With the reserved ports, a remote switch can be easily connected to realize remote control

Error Alarm Port (Optional)
The built-in PCB can output an alarm signal, which allows setting up an external alarm light or vibration gauge

Low Ambient Cooling (Optional)
Operation at low outdoor temperature (up to -15°C) in cooling mode

Auxiliary Electric Heater (Optional)
for higher efficiency in heating

Compact Round Flow Cassette

MODEL		VMCRI-12/UMRS-12	VMCRI-18/UMRS-18	IMCRI-12/UMLS-12	IMCRI-18/UMLS-18
				ON OFF	ON OFF
Cooling Capacity (Btu/h)		12.000(4.800-13.680)	18.000(6.120-19.260)	12.000	18.000
Heating Capacity (Btu/h)		13.000(4.550-15.340)	20.000(4.800-20.800)	12.500	19.500
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	4.71 (1.35-5.43)	7.1 (2.39-9.0)	5.92	9.3
	Heating	4.81 (1.60-6.04)	7.37 (2.43-8.78)	5.4	8.30
Power Input (W)	Cooling	1.030 (310-1.250)	1.550(550-2.070)	1.300	2.150
	Heating	1.050 (370-1.390)	1.610 (560-2.020)	1.175	1.837
EER		3.41	3.40	2.70	2.45
COP		3.63	3.64	3.11	3.11
Air Flow Volume (Hi/Med/Low) (m³/h)		680/600/400	800/710/560	680/600/400	800/710/560
Noise level (dB(A))	Indoor unit (High/Low)	42/38	42/38	41/35	44/38
	Outdoor unit	54	58	55	58
Dimensions WxDxH (mm)	Panel	647x647x50	647x647x50	647x647x50	647x647x50
	Indoor unit	570x570x260	570x570x260	570x570x260	570x570x260
	Outdoor unit	760x285x590	760x285x590	780x250x540	760x285x590
Net Weight Panel/Indoor/Outdoor (kg)		2.5/15.5/37	2.5/18/42	2.5/15/28	2.5/17.5/37
Liquid line / Gas line		1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"
Refrigerant		R410A/1.130g	R410A/1.320g	R410A/960g	R410A/1.400g
Operation Temperature Range (°C)		Cooling	0-50	18-43	18-43
		Heating	-15-24	-7-24	-7-24
Loading Quantity 20'/40'/40 HQ(Set)		66/149/177	56/149/177	78/161/189	66/149/177



C ~ 5°C / Heating - 15°

In low ambient temperature, -15°C

At low outdoor temperature without efficiency loss

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 saving.

Power consumption less than 1 Watt in standby mode, saving energy up to 80%.

The outdoor DC fan motor speed increased from 2 steps to 5, delivering significantly higher efficiency.

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

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

Saves the last settings in case of power failure.

Smaller indoor unit height compared to the conventional indoor units.

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

Flexible air supply due to air outlet slots.
For a clean and healthy environment.

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

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

The centralized controller is a multifunctional device that can control up to 64 indoor units.

The indoor temperature sensor is located on the remote control, in order for the unit to operate according to the needs of your body.

Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleading. It's mainly used for commercial zones and makes air conditioner control more convenient.

With the reserved ports, a remote switch can be easily connected to realize remote control.

The built-in PCB can output an alarm signal, which allows setting up an external alarm light or vibration gauge.

Positive and negative ion generator. When the positive ions and negative ions are neutralized, the ionizer will release a tremendous amount of negative ions to sterilize the air passing through.

For higher efficiency in heating.

The units can be installed as twin systems, one outdoor unit can be connected with two indoor units. The indoor units can be combined in any of the different available ratings.

Operation at low outdoor temperature (up to -15°C) in cooling mode.

Light Commercial A/C

BLUE-LINE RANGE

MODEL		V1MCI-18/U1MRS-18	V1MCI-24/U1MRS-24	V1MCI-30/U1MRS-30	V1MCI-36/U1MRT-36	V1MCI-50/U1MRT-50	V1MCI-60/U1MRT-60
							
Cooling Capacity (Btu/h)		18.000(5.400-21.600)	24.000(9.600-27.000)	30.000(9.000-36.000)	36.000(14.400-42.310)	46.000(10.600-50.200)	58.000(15.840-54.330)
Heating Capacity (Btu/h)		19.600(5.880-23.500)	26.000(10.400-29.000)	33.000(9.900-39.600)	38.000(15.200-45.050)	50.000(12.330-52.600)	60.000(17.928-63.786)
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	380/50/3	380/50/3	380/50/3
Current Input (A)	Cooling	7.51 (1.53-10.09)	9.52 (4.34-12.17)	12.59 (2.99-16.87)	5.7 (2.55-7.41)	7.15 (3.29-9.50)	9.15 (4.12-11.26)
	Heating	7.14 (1.70-9.58)	9.29 (4.56-11.65)	12.31 (2.92-16.49)	5.82 (3.05-7.56)	6.84 (3.13-8.99)	8.29 (3.84-11.02)
Power Input (W)	Cooling	1.640 (352-2.320)	2.160 (1.000-2.800)	2.750(687-3.879)	3.240 (1.450-4.210)	4.160 (1.920-5.460)	5.310 (2.390-6.540)
	Heating	1.560 (390-2.204)	2.060 (1.050-2.680)	2.690(672-3.793)	3.140 (1.650-4.080)	3.980 (1.840-5.230)	4.790 (2.220-6.370)
EER		3.21	3.24	3.2	3.24	3.24	3.2
COP		3.68	3.69	3.6	3.54	3.68	3.67
Air Flow Volume (Hi/Med/Low) (m³/h)		1.000/820/700	1.250/1.050/900	1.580/1.200/1.000	2.020/1.700/1.450	2.100/1.750/1.500	2.200/1.800/1.600
Noise level (dB(A))	Indoor unit (Hi/Med/Lo)	44/32	51/38	46/43	55/47	56/48	56/48
	Outdoor unit	58	58	58	63	63	64
Dimensions WxDxH (mm)	Panel	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Indoor unit	840x840x205	840x840x205	840x840x205	840x840x245	840x840x245	840x840x287
	Outdoor unit	760x285x590	845x320x700	900x315x860	990x354x966	938x392x1.369	938x392x1.369
Net Weight Panel/Indoor/Outdoor (kg)		5/21.5/42	5/21.5/52	5/24.5/71	5/24.5/81	5/27/102	5/31/107
Liquid line / Gas line		1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Refrigerant		R410A/1.320g	R410A/2.100g	R410A/2.400g	R410A/2.600g	R410A/3.800g	R410A/4.600g
Operation Temper-ature Range (°C)	Cooling	-15-50	-15-50	-15-50	-15-50	-15-50	-15-50
	Heating	-15-24	-15-24	-15-24	-15-24	-15-24	-15-24
Loading Quantity 20'/40'/40 HQ(Set)		-	-	-	-	-	-

MODEL		IMCI-18/UMLS-18	IMCI-24/UMLS-24	IMCI-36/UMLT-36	IMCI-50/UMLT-50	IMCI-60/UMLT-60
		ON OFF	ON OFF	ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		18.000	24.000	36.000	48.000	56.000
Heating Capacity (Btu/h)		19.000	26.400	38.000	52.000	58.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	380/50/3	380/50/3	380/50/3
Current Input (A)	Cooling	9.0	11.9	7.0	9.8	11.88
	Heating	7.5	11.2	6.8	9.5	10.6
Power Input (W)	Cooling	2.100	2.600	4.040	5.605	6.810
	Heating	1.735	2.450	3.895	5.420	6.050
EER		2.51	2.71	2.61	2.51	2.41
COP		3.21	3.16	2.86	2.81	2.81
Air Flow Volume (Hi/Med/Low) (m³/h)		900/700/550	1.200/1.050/900	1.950/1.650/1.400	2.020/1.700/1.450	2.100/1.750/1.500
Noise level (dB(A))	Indoor unit (Hi/Med/Lo)	40/37/34	48/46/41	56/53/49	56/53/49	60/54/49
	Outdoor unit	58	59	61	63	63
Dimensions WxDxH (mm)	Panel	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Indoor unit	840x840x205	840x840x205	840x840x245	840x840x245	840x840x287
	Outdoor unit	760x285x590	845x320x700	990x345x965	900x350x1.170	900x350x1.170
Net Weight Panel/Indoor/Outdoor (kg)		5/21.5/37	5/23/48	5/26/81	5/27/96	5/29/97
Liquid line / Gas line		1/4" / 1/2"	3/8" / 5/8"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
Refrigerant		R410A/1.400g	R410A/1.800g	R410A/2.400g	R410A/3.250g	R410A/3.200g
Operation Temper-ature Range (°C)	Cooling	18-43	18-43	18-43	18-43	18-43
	Heating	-7-24	-7-24	-7-24	-7-24	-7-24
Loading Quantity 20'/40'/40 HQ(Set)		58/120/141	49/102/120	33/68/80	30/63/74	30/62/73

Super Slim Round Flow Cassette


Your-conditions



- ### +++ Energy Class

Eco design units
- ### DC INVERTER

Energy saving with high comfortable levels
- ### Excellent Operation

In extreme weather Conditions without efficiency loss.
Colling -15°C~50°C / Heating -15°C~30°C
- ### Cooling Mode

In low ambient temperatures, -15°C~50°C
- ### Steady Operation

At low outdoor temperature without efficiency loss
- ### Super Slim Design

Smaller indoor unit` s height compared to the conventional indoor units
- ### 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 metabolism helping you sleep
- ### Auto Restart

Saves the last settings in case of power failure
- ### Built-in Drain Pump

The drain pump can lift the condensing water up to 750mm
- ### Overflow Pump Indicator

Indicates the water level in order to empty the water tank on time
- ### Ability to connect with BMS
- ### Wired Control (Optional)

Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleadings. It's mainly used for commercial zones and makes air conditioner control more convenient
- ### ON-OFF Switch (Optional)

With the reserved ports, a remote switch can be easily connected to realize remote control
- ### Error Alarm Port (Optional)

The built-in PCB can output an alarm signal, whichallows setting up an external alarm light or vibration gauge
- ### Ionizer (Optional)

Positive and negative ion generator. When the positive ions and negative ions are neutralized, the ionizer will release tremendous amounts of enegy to sterilize the air passing through
- ### Auxiliary Electric Heater (Optional)

for higher efficiency in heating
- ### Twin Combination (Optional)

The units can be installed as twin systems, one outdoor unit can be connected with two same indoor units. The indoor units can be combined in any of the different available ratings
- ### Touch Screen Wired Controller (Optional)
- ### Low Ambient Cooling (Optional)

Operation at low outdoor temperature (up to -15°C) in cooling mode

STANDARD FEATURES

Intelligent defrost

Auto Restart

Dehumidifying function

Timer

Built-in Drain Pump

Sleep Function

Slim Design

Air Flow Panel

Wide-angle Air Flow

Hot Start Operation

Fresh Air

OPTIONAL FEATURES

Auxiliary Electric Heater

Low Ambient Cooling

Wired Controller

Light Commercial A/C

Eco Design Ducted Unit



BLUE-LINE RANGE

MODEL			V2MDI-12/U2MRS-12	V2MDI-18/U2MRS-18	V2MDI-24/U2MRS-24	V2MDI-30/U2MRS-30
Cooling Capacity (Btu/h)			12.000	18.000	24.000	30.000
Heating Capacity (Btu/h)			12.000	18.000	26.000	30.000
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	3.5	5.3	7.2	8.8
		Energy Class	A	A++	A++	A+
		SEER	5.3	6.4	6.7	5.9
		Annual Power Consumption (kWh/year)	-	-	-	-
	Heating (Middle Zone)	Pdesign (kW)	3.5	5.3	8	8.6
		Energy Class	A	A	A	A
		SCOP	3.8	3.8	3.8	3.8
Annual Power Consumption (kWh/year)			-	-	-	-
Voltage/ Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)		Cooling	5.03	7.51	10.02	12.54
		Heating	4.44	6.68	9.66	11.12
Power Input (W)		Cooling	1.100	1.640	2.190	2.740
		Heating	970	1460	2.110	2.430
Air Flow Volume (Hi/Med/Low) (m³/h)			800/610/520	1.400/1.100/1.000	1.700/1.400/1.250	1.850/1.550/1.200
External Static Pressure (Pa)			40	70	70	80
Noise level (dB(A))		Indoor unit (High)	41	46	46	50
		Outdoor unit	58	60	60	61
Sound Power Level Indoor unit / Outdoor unit (dB(A))			57 / 61	59 / 65	63 / 69	65 / 70
Dimensions WxDxH (mm)		Indoor unit	700x635x210	920x635x270	920x635x270	1.140x775x270
		Outdoor unit	760x285x590	845x320x700	900x315x860	900x315x860
Net Weight Indoor/Outdoor (kg)			18 / 35.5	28 / 46	35 / 59	35 / 59
Liquid line / Gas line			1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"
Refrigerant			R410A / 1.100g	R410A / 1.800g	R410A / 2.200g	R410A / 2.450g
Operation Temperature Range (°C)		Cooling	-15-50	-15-50	-15-50	-15-50
		Heating	-15-24	-15-24	-15-24	-15-24
Loading Quantity 20'/40'/40 HQ(Set)			71/148/170	55/115/132	39/82/95	31/65/71

MODEL			V2MDI-36/U2MRS-36	V2MDI-36/U2MRT-36	V2MDI-50/U2MRS-50	V2MDI-50/U2MRT-50	V2MDI-60/U2MRT-60
Cooling Capacity (Btu/h)			36.000	36.000	48.000	48.000	58.000
Heating Capacity (Btu/h)			40.000	40.000	50.000	50.000	62.000
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	10.5	10.5	-	-	-
		Energy Class	A	A	-	-	-
		SEER	5.4	5.1	-	-	-
		Annual Power Consumption (kWh/year)	-	-	-	-	-
	Heating (Middle Zone)	Pdesign (kW)	10.5	10.5	-	-	-
		Energy Class	A	A	-	-	-
		SCOP	3.8	3.8	-	-	-
		Annual Power Consumption (kWh/year)	-	-	-	-	-
Voltage/ Frequency / Phase (V/Hz/Ph)			230/50/1	380/50/3	380/50/3	230/50/1	380/50/3
Current Input (A)		Cooling	15.06	5.68	7.6	20.1	9.1
		Heating	14.87	5.54	6.6	17.6	8.6
Power Input (W)		Cooling	3.290	3.290	4.380	4.400	5.280
		Heating	3.250	3.210	3.850	3.840	5.020
EER/COP			-	-	3.21/3.81	3.2/3.82	3.22/3.62
Air Flow Volume (Hi/Med/Low) (m³/h)			2.270/1.890/1.650	2.270/1.890/1.650	3.010/2.410/1.940	3.010/2.410/1.940	3.010/2.410/1.940
External Static Pressure (Pa)			80	80	100	100	100
Noise level (dB(A))		Indoor unit (High)	43	43	45	45	45
		Outdoor unit	65	63	63	62	64
Sound Power Level Indoor unit / Outdoor unit (dB(A))			63 / 70	64 / 70	-	-	-
Dimensions WxDxH (mm)		Indoor unit	1.200x865x300	1.200x865x300	1.200x865x300	1.200x865x300	1.200x865x300
		Outdoor unit	990x345x965	990x345x965	938x392x1.369	938x392x1.369	938x392x1.369
Net Weight Indoor/Outdoor (kg)			44 / 73	44 / 77	44/102	44/99	45/107
Liquid line / Gas line			3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Refrigerant			R410A / 2.750g	R410A / 3.000g	R410A/3.800g	R410A/3.600g	R410A/4.600g
Operation Temperature Range (°C)		Cooling	-15-50	-15-50	-15-50	-15-50	-15-50
		Heating	-15-24	-15-24	-15-24	-15-24	-15-24
Loading Quantity 20'/40'/40 HQ(Set)			27/59/68	27/59/68	22/46/54	22/46/54	22/46/54



V2MDI



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 and maximum energy savings



Excellent Operation
In extreme weather Conditions without efficiency loss.
Colling -15°C~50°C / Heating -15°C~30°C



Cooling Mode
In low ambient temperatures, -15°C~50°C

Steady Operation
at low outdoor temperature without efficiency loss

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 un smoothly. It also provides accurate control for a comfortable environment and great energy saving

1 Watt Standby
Power consumption less than 1 Watt in standby mode saving energy up to 80%

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

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 metabolism helping you sleep comfortably

Auto Restart
Saves the last settings in case of power failure

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

Ability to connect with BMS

Adjustable Static Pressure Switch

Wired Control
Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleading. It's mainly used for commercial zones and makes air conditioner contol more convenient

Centralized Control Manager (Optional)
The centralized controller is a multifunctional device that can control up to 64 indoor units



I FEEL (Optional)
The indoor temperature sensor is located on the remote control, in order for the unit to operate according to the needs of your body

ON-OFF Switch (Optional)
With the reserved ports, a remote switch can be easily connected to realize remote control

Error Alarm Port (Optional)
The built-in PCB can output an alarm signal, which allows setting up an external alarm light or vibration gauge

Auxiliary Electric Heater (Optional)
For higher efficiency in heating

Twin Combination (Optional)
The units can be installed as twin systems, one outdoor unit can be connected with two same indoor units. The indoor units can be combined in any of the different available ratings

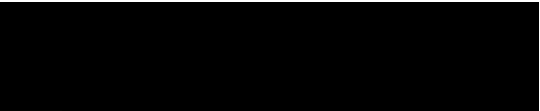
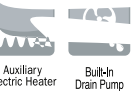
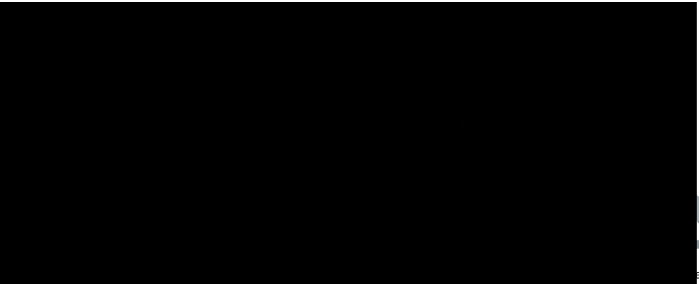
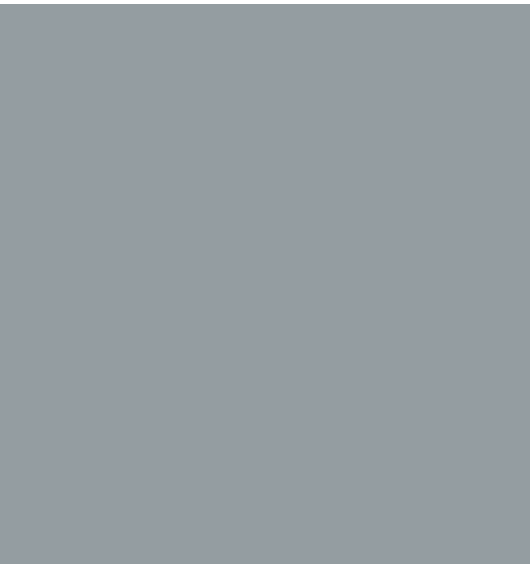
Low Ambient Cooling (Optional)
Operation at low outdoor temperature (up to -15°C) in cooling mode

Built-in Drain Pump (Optional)
The drain pump can lift the condensing water up to 750mm

Remote Controller (Optional)



V1MDI



Light Commercial A/C

BLUE-LINE RANGE

MODEL		IMDI-12/UMLS-12	IMDI-18/UMLS-18	IMDI-24/UMLS-24	IMDI-30/UMLS-30	IMDI-30/UMLT-30
		ON OFF	ON OFF	ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		12.000	18.000	24.000	30.000	30.000
Heating Capacity (Btu/h)		13.000	18.500	25.500	32.000	32.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1	380/50/3
Current Input (A)	Cooling	5.31	11.30	13.25	14.18	5.35
	Heating	5.26	8.2	11.8	15.8	6.7
Power Input (W)	Cooling	1.164	2.160	2.845	3.100	3.100
	Heating	1.150	1.810	2.450	3.300	3.290
EER		3.02	2.44	2.47	2.84	2.84
COP		3.30	3.00	3.05	2.84	3.32
Air Flow Volume (Hi/Med/Low) (m³/h)		800/610/520	1.170/770/650	1.400/1.100/1.000	2.250/1.940/1.720	2.250/1.940/1.720
External Static Pressure (Pa)		40	70	70	80	80
Noise level (dB(A))	Indoor unit (Hi/Lo)	36.9/26.4	44/32.8	41/31	50/42	53/42
	Outdoor unit	55	58	59	64	63
Dimensions WxDxH (mm)	Indoor unit	700x635x210	920x635x210	920x635x270	1.140x775x270	1.140x775x270
	Outdoor unit	780x250x540	760x285x590	845x320x700	990x345x965	990x345x965
Net Weight Indoor/Outdoor (kg)		20 / 28	24 / 37	26.5 / 48	37 / 65	41 / 65
Liquid line / Gas line		1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 3/4"	3/8" / 3/4"
Refrigerant		R410A / 960g	R410A / 1400g	R410A / 1.800g	R410A / 2.300g	R410A / 2.300g
Operation Temperature Range (°C)	Cooling	18-43	18-43	18-43	18-43	18-43
	Heating	-7-24	-7-24	-7-24	-7-24	-7-24
Loading Quantity 20'/40'/40 HQ(Set)		79/164/193	61/133/151	47/107/120	27/59/68	27/59/68

MODEL		IMDI-36/UMLS-36	IMDI-36/UMLT-36	IMDI-50/UMLT-50	IMDI-60/UMLT-60
		ON OFF	ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		36.000	36.000	48.000	57.000
Heating Capacity (Btu/h)		39.600	39.600	55.000	60.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	380/50/3	380/50/3	380/50/3
Current Input (A)	Cooling	18.71	6.7	9.57	11.72
	Heating	15.78	6.1	7.89	7.9
Power Input (W)	Cooling	4.090	4.050	5.540	6.790
	Heating	3.450	3.400	4.570	5.460
EER		2.58	2.61	2.54	2.46
COP		3.36	3.41	3.53	3.22
Air Flow Volume (Hi/Med/Low) (m³/h)		2.270/1.890/1.650	2.270/1.890/1.650	3.010/2.410/1.940	3.150/2.510/1.990
External Static Pressure (Pa)		80	80	100	100
Noise level (dB(A))	Indoor unit (Hi/Lo)	46/35	48/37	aaaaaa	47/38
	Outdoor unit	61	61	63	63
Dimensions WxDxH (mm)	Indoor unit	1.140x775x270	1.140x775x270	1.200x865x300	1.200x865x300
	Outdoor unit	990x345x965	990x345x965	900x350x1.170	900x350x1.170
Net Weight Indoor/Outdoor (kg)		36.5 / 86	36 / 81	44.5 / 96	47 / 97
Liquid line / Gas line		3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
Refrigerant		R410A / 2.600g	R410A / 2.400g	R410A / 3.250g	R410A / 3.200g
Operation Temperature Range (°C)	Cooling	18-43	18-43	18-43	18-43
	Heating	-7-24	-7-24	-7-24	-7-24
Loading Quantity 20'/40'/40 HQ(Set)		27/59/68	27/59/68	17/41/59	17/41/59

Middle Static Pressure Ducted Unit Your-conditions



U-MATCH

R410A

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

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 metabolism helping you sleep comfortably

Auto Restart

Saves the last settings in case of power failure

Ability to connect with BMS

Wired Control

Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleading. It's mainly used for commercial zones and makes air conditioner control more convenient

2 Ways Draining Connection

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

ON-OFF Switch (Optional)

With the reserved ports, a remote switch can be easily connected to realize remote control

Error Alarm Port (Optional)

The built-in PCB can output an alarm signal, which allows setting up an external alarm light or vibration gauge

Auxiliary Electric Heater (Optional)

For higher efficiency in heating

Low Ambient Cooling (Optional)

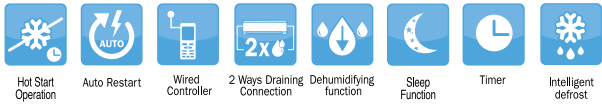
Operation at low outdoor temperature (up to -15°C) in cooling mode

Built-in Drain Pump (Optional)

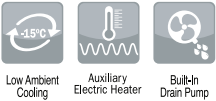
The drain pump can lift the condensing water up to 750mm

Remote Controller (Optional)

STANDARD FEATURES



OPTIONAL FEATURES



MODEL		IMDHI-18/UMLS-18	IMDHI-24/UMLS-24	IMDHI-30/UMLS-30	IMDHI-30/UMLT-30
		ON OFF	ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		18.000	24.000	30.000	30.000
Heating Capacity (Btu/h)		19.000	26.000	32.000	32.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	380/50/3
Current Input (A)	Cooling	9.66	11.49	14.28	5.3
	Heating	7.96	11.12	12.26	4.49
Power Input (W)	Cooling	2.110	2.510	3.120	3.070
	Heating	1.740	2.430	2.680	2.600
EER		2.5	2.8	2.82	2.86
COP		3.2	3.14	3.5	3.61
Air Flow Volume (Hi/Med/Low) (m³/h)		1.340/1.150/1.025	1.540/1.310/1.125	2.300/2.010/1.815	2.300/2.010/1.815
External Static Pressure (Pa)		80	90	100	100
Noise level (dB(A))	Indoor unit (Hi/Lo)	42/36	46/38	50/45	50/45
	Outdoor unit	58	59	64	63
Dimensions WxDxH (mm)	Indoor unit	920x635x210	920x635x270	1.140x775x270	1.140x775x270
	Outdoor unit	760x285x590	845x320x700	990x345x965	990x345x965
Net Weight Indoor/Outdoor (kg)		24 / 37	28 / 48	35 / 65	35.5 / 65
Liquid line / Gas line		1/4" / 1/2"	3/8" / 5/8"	3/8" / 3/4"	3/8" / 3/4"
Refrigerant		R410A / 1.400g	R410A / 1.800g	R410A / 2.300g	R410A / 2.300g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ(Set)		66/138/162	51/105/124	30/63/74	30/63/74

MODEL		IMDHI-36/UMLT-36	IMDHI-50/UMLT-50	IMDHI-60/UMLT-60
		ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		36.000	48.000	55.000
Heating Capacity (Btu/h)		40.000	52.000	60.000
Voltage/ Frequency / Phase (V/Hz/Ph)		380/50/3	380/50/3	380/50/3
Current Input (A)	Cooling	6.82	9.72	10.62
	Heating	5.78	7.97	8.88
Power Input (W)	Cooling	3.950	5.630	6.150
	Heating	3.350	4.620	5.140
EER		2.67	2.5	2.62
COP		3.5	3.3	3.42
Air Flow Volume (Hi/Med/Low) (m³/h)		2.300/2.010/1.815	3.500/2.800/2.200	3.500/2.800/2.200
External Static Pressure (Pa)		150	160	160
Noise level (dB(A))	Indoor unit (Hi/Lo)	49/44	51/46	50/44
	Outdoor unit	61	63	63
Dimensions WxDxH (mm)	Indoor unit	1.140x775x270	1.200x865x300	1.200x865x300
	Outdoor unit	990x345x965	900x350x1.170	900x350x1.170
Net Weight Indoor/Outdoor (kg)		35 / 81	47 / 96	47 / 97
Liquid line / Gas line		3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
Refrigerant		R410A / 2.400g	R410A / 3.250g	R410A / 3.200g
Operation Temperature Range (°C)	Cooling	18~43	18~43	18~43
	Heating	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ(Set)		30/63/74	26/54/63	26/54/63

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

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 metabolism helping you sleep comfortably

Auto Restart

Saves the last settings in case of power failure

Ability to connect with BMS

Wired Control

Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleading. It`s mainly used for commercial zones and makes air conditioner contol more convenient

2 Ways Draining Connection

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

ON-OFF Switch (Optional)

With the reserved ports, a remote switch can be easily connected to realize remote control

Error Alarm Port (Optional)

The built-in PCB can output an alarm signal, which allows setting up an external alarm light or vibration gauge

Auxiliary Electric Heater (Optional)

For higher efficiency in heating

Low Ambient Cooling (Optional)

Operation at low outdoor temperature (up to -15°C) in cooling mode

Built-in Drain Pump (Optional)

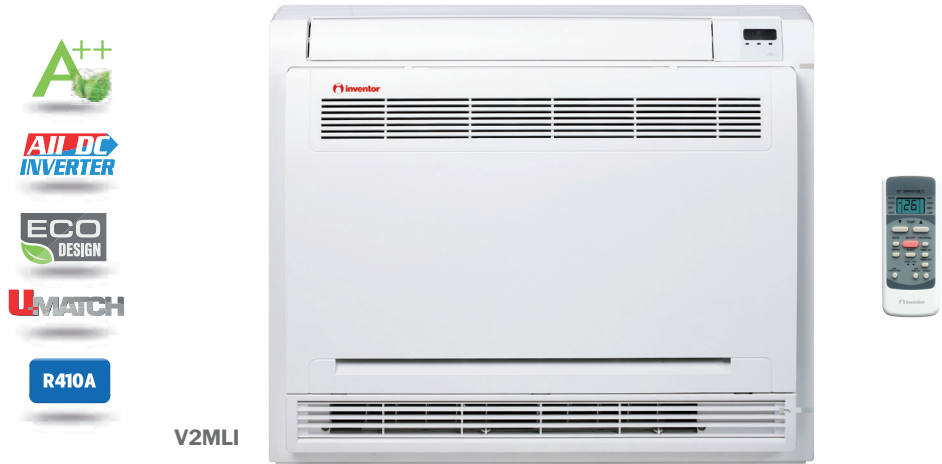
The drain pump can lift the condensing water up to 750mm

Remote Controller (Optional)



MODEL			V2MLI-12/U2MRS-12	V2MLI-18/U2MRS-18
				
Cooling Capacity (Btu/h)			12.000	16.000
Heating Capacity (Btu/h)			12.000	17.000
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	3.6	4.7
		Energy Class	A++	A+
		SEER	6.2	5.6
		Annual Power Consumption (kWh/year)	-	-
	Heating (Middle Zone)	Pdesign (kW)	3.5	5.1
		Energy Class	A	A
		SCOP	3.8	3.8
Annual Power Consumption (kWh/year)			230/50/1	230/50/1
Voltage/ Frequency / Phase (V/Hz/Ph)			-	-
Current Input (A)		Cooling	4.99	6.68
		Heating	4.44	6.32
Power Input (W)		Cooling	1.090	1.460
		Heating	970	1.380
Air Flow Volume (Hi/Med/Low) (m³/h)			710/580/450	740/640/560
Noise Level (dB(A))		Indoor unit (High/Low)	46/36	48/40
		Outdoor unit	58	60
Sound Power Level Indoor unit / Outdoor unit (dB(A))			57 / 61	59 / 65
Dimensions WxDxH (mm)		Indoor unit	700x210x600	700x210x600
		Outdoor unit	760x285x590	845x320x700
Net Weight Indoor/Outdoor (kg)			15 / 35.5	15 / 46
Liquid line / Gas line			1/4" / 3/8"	1/4" / 1/2"
Refrigerant			R410A / 1.100g	R410A / 1800g
Operation Temperature Range (°C)		Cooling	-15~50	-15~50
		Heating	-15~24	-15~24
Loading Quantity 20'/40'/40 HQ (Set)			73/153/179	60/125/146

Eco Design Console Unit



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 and maximum energy savings

Excellent Operation

In extreme weather Conditions without efficiency loss.
Colling -15°C~50°C / Heating -15°C~30°C

Cooling Mode

In low ambient temperatures, -15°C~50°C

Steady Operation

at low outdoor temperature without efficiency loss

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 un smoothly. It also provides accurate control for a comfortable environment and great energy saving

1 Watt Standby

Power consumption less than 1 Watt in standby mode saving energy up to 80%

5 Steps Outdoor Fan Speed

The outdoor DC fan motor speed increased from 2 steps to 5, delivering significantly higher efficiency

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 metabolism helping you sleep comfortably

Auto Restart

Saves the last settings in case of power failure

Wide Angle Air Flow

For greater air circulation

Low Ambient Cooling

Operation at low outdoor temperature (up to -15°C) in cooling mode

2 Ways Draining Connection

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

Double Air Outlet

Air outlet from top and bottom to enjoy fast cooling

Wired Control (Optional)

Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleadings. It's mainly used for commercial zones and makes air conditioner control more convenient

ON-OFF Switch (Optional)

With the reserved ports, a remote switch can be easily connected to realize remote control

Error Alarm Port (Optional)

The built-in PCB can output an alarm signal, which allows setting up an external alarm light or vibration gauge

Healthy Filters (Optional)

STANDARD FEATURES

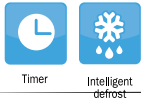


OPTIONAL FEATURES

Console Unit



STANDARD FEATURES



OPTIONAL FEATURES



BLUE-LINE RANGE

MODEL			V2MKI-18/U2MRS-18	V2MKI-24/U2MRS-24	V2MKI-30/U2MRS-30	V2MKI-36/U2MRS-36	V2MKI-36/U2MRT-36
							
Cooling Capacity (Btu/h)			18.000	24.000	30.000	36.000	36.000
Heating Capacity (Btu/h)			18.000	26.000	30.000	40.000	40.000
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	5.3	7.3	8.8	10.5	10.5
		Energy Class	A++	A++	A++	A+	A+
		SEER	6.2	6.6	6.3	5.8	5.6
		Annual Power Consumption (kWh/year)	-	-	-	-	-
	Heating (Middle Zone)	Pdesign (kW)	5.3	8.0	8.6	10.5	10.0
		Energy Class	A	A	A	A	A
		SCOP	3.8	3.8	3.8	3.8	3.8
		Annual Power Consumption (kWh/year)	-	-	-	-	-
Voltage/ Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1	230/50/1	380/50/3
Current Input (A)		Cooling	7.41	10.02	12.54	15.06	5.68
		Heating	6.45	9.38	11.08	14.87	5.59
Power Input (W)		Cooling	1.620	2.190	2.740	3.290	3.290
		Heating	1.410	2.050	2.420	3.250	3.240
Air Flow Volume (Hi/Med/Low) (m³/h)			900/750/600	1.400/1.250/1.100	1.850/1.650/1.450	2.200/1.850/1.500	2.200/1.850/1.500
Noise level (dB(A))		Indoor unit (High/Med/Low)	46/43/40	55/52/49	55	54/49/44	54/49/44
		Outdoor unit	60	60	61	65	63
Sound Power Level Indoor unit / Outdoor unit (dB(A))			60 / 65	63 / 69	64 / 70	65 / 70	65 / 70
Dimensions WxDxH (mm)		Indoor unit	1.068x235x675	1.068x235x675	1.285x235x675	1.650x235x675	1.650x235x675
		Outdoor unit	845x320x700	900x315x860	900x315x860	990x345x965	990x345x965
Net Weight Indoor/Outdoor (kg)			25 / 46	25 / 59	30 / 59	40 / 73	40 / 77
Liquid line / Gas line			1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Refrigerant			R410A / 1.800g	R410A / 2.200g	R410A / 2.450g	R410A / 2.750g	R410A / 3.000g
Operation Temperature Range (°C)		Cooling	-15-50	-15-50	-15-50	-15-50	-15-50
		Heating	-15-24	-15-24	-15-24	-15-24	-15-24
Loading Quantity 20'/40'/40 HQ(Set)			50/100/119	40/86/92	32/67/79	27/57/67	27/57/67



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 and maximum energy savings

Excellent Operation
In extreme weather Conditions without efficiency loss.
Colling -15°C~50°C / Heating -15°C~30°C

Cooling Mode
In low ambient temperatures, -15°C~50°C

Steady Operation
at low outdoor temperature without efficiency loss

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 un smoothly. It also provides accurate control for a comfortable environment and great energy saving

1 Watt Standby
Power consumption less than 1 Watt in standby mode saving energy up to 80%

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

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 metabolism helping you sleep comfortably

Auto Restart
Saves the last settings in case of power failure

3D Air Flow
Combines vertical and horizontal auto swing to ensure an even distribution of air throughout the room

2 Ways Draining Connection
The drainage hose can be connected in both left and right side of the indoor unit for easy installation

Low Ambient Cooling
Operation at low outdoor temperature (up to -15°C) in cooling mode

Built-in Drain Pump (Optional)
The drain pump can lift the condensing water up to 750mm

Healthy Filters (Optional)

Centralized Control Manager (Optional)
The centralized controller is a multifunctional device that can control up to 64 indoor units

I FEEL (Optional)
The indoor temperature sensor is located on the remote control, in order for the unit to operate according to the needs of your body

Wired Control (Optional)
Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleadings. It's mainly used for commercial zones and makes air conditioner control more convenient

ON-OFF Switch (Optional)
With the reserved ports, a remote switch can be easily connected to realize remote control

Error Alarm Port (Optional)
The built-in PCB can output an alarm signal, which allows setting up an external alarm light or vibration gauge



VMKI



3D
Air Flow

OPTIONAL FEATURES



Wired
Controller



Central Control
Manager



i Feel



Optional
Filter



Bulk-In
Drain Pump

Light Commercial A/C

BLUE-LINE RANGE

MODEL		IMKI-12/UMLS-12	IMKI-18/UMLS-18	IMKI-24/UMLS-24	IMKI-36/UMLS-36
		ON OFF	ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		12.000	18.000	24.000	36.000
Heating Capacity (Btu/h)		13.000	19.000	26.000	40.000
Voltage/ Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	5.13	9.25	13	20.0
	Heating	5.3	8.3	12	19.5
Power Input (W)	Cooling	1.120	2.020	2.840	4.300
	Heating	1.160	1.850	2.470	4.220
EER		3.14	2.61	2.48	2.45
COP		3.28	3.01	3.09	2.78
Air Flow Volume (Hi/Med/Low) (m³/h)		600/480/400	1.300/1.050/900	1.400/1.200/1.000	1.750/1.400/1.250
Noise level (dB(A))	Indoor unit (Hi/Med/Lo)	44/42/39	52/46/41	53/48/42	53/48/44
	Outdoor unit	55	58	59	61
Dimensions WxDxH (mm)	Indoor unit	990x203x660	1.068x235x675	1.068x235x675	1.285x235x675
	Outdoor unit	780x250x540	760x285x590	845x320x700	990x345x965
Net Weight Indoor/Outdoor (kg)		22 / 28	24 / 37	24 / 48	29 / 86
Liquid line / Gas line		1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 3/4"
Refrigerant		R410A/960g	R410A/1.400g	R410A/1.800g	R410A/2.600g
Operation Temperature Range (°C)	Cooling	18-43	18-43	18-43	18-43
	Heating	-7~24	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ(Set)		-	59/129/151	59/122/143	32/67/79

MODEL		IMKI-36/UMLT-36	IMKI-50/UMLT-50	IMKI-60/UMLT-60
		ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		36.000	48.000	57.000
Heating Capacity (Btu/h)		39.500	51.000	60.000
Voltage/ Frequency / Phase (V/Hz/Ph)		380/50/3	380/50/3	380/50/3
Current Input (A)	Cooling	7.0	9.0	10.87
	Heating	6.5	8.8	9.6
Power Input (W)	Cooling	3.980	5.400	6.630
	Heating	3.700	5.200	5.800
EER		2.65	2.61	2.52
COP		3.13	2.87	3.03
Air Flow Volume (Hi/Med/Low) (m³/h)		1.750/1.400/1.250	1.750/1.400/1.250	2.300/1.800/1.600
Noise level (dB(A))	Indoor unit (Hi/Med/Lo)	53/48/44	53/48/44	55/49/46
	Outdoor unit	61	63	63
Dimensions WxDxH (mm)	Indoor unit	1.285x235x675	1.285x235x675	1.650x235x675
	Outdoor unit	990x345x965	900x350x1.170	900x350x1.170
Net Weight Indoor/Outdoor (kg)		29 / 81	31 / 96	39 / 97
Liquid line / Gas line		3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
Refrigerant		R410A/2.400g	R410A/3.250g	R410A/3.200g
Operation Temperature Range (°C)	Cooling	18-43	18-43	18-43
	Heating	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ(Set)		32/67/79	30/63/74	27/57/67



3D Air Flow
Combines vertical and horizontal auto swing to ensure an even distribution of air throughout the room

Auto Restart
Saves the last settings in case of power failure

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 metabolism helping you sleep comfortably

Built-in Drain Pump (Optional)
The drain pump can lift the condensing water up to 750mm

Healthy Filters (Optional)

2 Ways Draining Connection (Optional)
The drainage hose can be connected in both left and right side of the indoor unit for easy installation

Low Ambient Cooling (Optional)
Operation at low outdoor temperature (up to -15°C) in cooling mode

Auxiliary Electric Heater (Optional)
For higher efficiency in heating

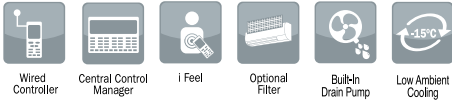
Wired Control (Optional)
Compared with the infrared remote controller, the wired controller can be fixed on the wall to avoid misleadings. It's mainly used for commercial zones and makes air conditioner control more convenient

Centralized Control Manager (Optional)
The centralized controller is a multifunctional device that can control up to 64 indoor units

STANDARD FEATURES



OPTIONAL FEATURES



Residential A/C

BLUE-LINE RANGE

MODEL		V2MFI-50/V2MFO-50	V2MFI-66/V2MFO-66	V1MFI-24/V1MFO-24	V1MFI-36/V1MFO-36	V1MFI-50/V1MFO-50
Cooling Capacity (Btu/h)		48.000	55.000	24.000	36.000	48.000
Heating Capacity (Btu/h)		50.000+12.000	58.000+12.000	25.000+7.000	38.000+12.000	50.000+12.000
Voltage/ Frequency / Phase (V/Hz/Ph)		380/50/3	380/50/3	230/50/1	380 / 50 / 3	380/50/3
Current Input (A)	Cooling	7.9	11.0	10.9	8.00	7.4
	Heating	6.9	9.0	9.4	7.3	7.2
Power Input (W)	Cooling	4.680	6.500	2.512	4.395	4.289
	Heating	4.059+3.500	5.312+3.500	2.155	3.978+3.500	4.174
EER		3.00	2.48	2.80	2.40	3.28
COP		3.61	3.20	3.40	2.80	3.51
Air Flow Volume (Hi/Med/Low) (m³/h)		2.150/1.850/1.500	2.150/1.850/1.500	1.000/830	1.700/-/1.410	2.300/2.130/1.250
Noise level (dB(A))	Indoor unit (Hi/Lo)	58 / 49	58 / 49	51/47	56/52	60/57
	Outdoor unit	62	62	58	62	63
Dimensions WxDxH (mm)	Indoor unit	610x390x1.925	610x390x1.925	510x240x1.695	550x350x1.800	610x390x1.925
	Outdoor unit	938x392x1.369	938x392x1.369	845x320x700	990x345x965	938x392x1.369
Net Weight Indoor/Outdoor (kg)		69.3 /102	69.6 /107	35 / 52	53 / 81	62 / 102
Liquid line / Gas line		3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Refrigerant		R410A/3.800g	R410A/4.600g	R410A/2.100g	R410A/2.600g	R410A/3.800g
Operation Temperature Range (°C)	Cooling	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	-15~24	-15~24	-15~24	-15~24	-15~24
Loading Quantity 20'/40'/40 HQ(Set)		16/34/38	16/34/38	38/80/93	22/46/54	21/43/51

MODEL		V1MFI-66/V1MFO-66	RMFI-24/RMFO-24	RMFI-50/RMFO-50	RMFI-66/RMFO-66
			ON OFF	ON OFF	ON OFF
Cooling Capacity (Btu/h)		55.000	24.000	42.000	53.500
Heating Capacity (Btu/h)		58.000+12.000	27.000+7.200	49.000+12.000	56.500+12.000
Voltage/ Frequency / Phase (V/Hz/Ph)		380/50/3	230/50/1	380/50/3	380/50/3
Current Input (A)	Cooling	8.4	12.2	8.5	10.5
	Heating	8.2	11.5+10.0	8.7+3.6	9.8+5.3
Power Input (W)	Cooling	4.944	2.580	5.100	6.200
	Heating	4.497	2.450+2.200	5.200+3.500	5.700+3.500
EER		3.26	2.73	2.41	2.53
COP		3.78	3.23	2.76	2.91
Air Flow Volume (Hi/Med/Low) (m³/h)		2.300/2130/1.250	970/800	1.750/1.450	2.200/2.040/1.200
Noise level (dB(A))	Indoor unit (Hi/Lo)	60/57	50/46	54/50	59/55
	Outdoor unit	62	58	62	62
Dimensions WxDxH (mm)	Indoor unit	610x390x1.925	510x240x1.695	550x350x1.800	600x358x1.900
	Outdoor unit	938x392x1.369	845x320x700	900x350x1.170	900x350x1.170
Net Weight Indoor/Outdoor (kg)		63 / 107	34.5 / 52.5	50 / 97	65/96
Liquid line / Gas line		3/8" / 5/8"	3/8" / 5/8"	1/2"/3/4"	1/2" / 3/4"
Refrigerant		R410A/4.600g	R410A/1.800g	R410A/3.300g	R410A/3.200g
Operation Temperature Range (°C)	Cooling	-15~50	18~43	18~43	18~43
	Heating	-15~24	-7~24	-7~24	-7~24
Loading Quantity 20'/40'/40 HQ(Set)		21/43/51	36/78/91	17/37/49	20/45/56



Dehumidifier

NOTES

Reduces effectively the humidity levels, ideal for commercial and residential spaces with poor ventilation

Quality
of life



DE-MDT

Water Level Display

Auto pause of the operation when the tank is full

LED Digital Display

Displays the environment's humidity ratio and through the control pad you may adjust all the settings

Defrost indication

During the defrost cycle

Continuous Defrost

Ideal solution for spaces with various needs

Auto error diagnosis

Auto Restart

Capability of continuous drainage

MODEL	DE-MDT-10	DE-MDT-20
Dehumidifying Capacity (L/24h)	10	20
Voltage / Frequency / Phase (V/Hz/Ph)	230/50/1	230/50/1
Power Input (W)	220	555
Current Input (A)	1.3	3.0
Water Tank Volume (L)	1.3	3.5
Air flow (m3/h)	130	165
Noise Level (dB(A))	46	50
Dimensions WxDxH (mm)	330x260x420	380x300x480
Net Weight (kg)	10.5	13.5
Refrigerant	R134a/90g	R134a/115g
Applicable room area (m2)	16-31	37-52

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inventor the Full Range Supplier of
Air Conditioners and Air Conditioning Solutions

BLUE-LINE RANGE

Heat Pumps for domestic use

Heating - Cooling - Hot Water!

A++, ALL DC Inverter, Units for Maximum
Efficiency in Heating and Cooling



Residential Refrigerators

Fresh Life

Energy Class A+



Freezers

Maximum Energy Efficiency A+

4 Star Freezer



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www.inventorairconditioner.com

NOTES: Technical data may alter without prior notice. Please contact your dealer

Cooling and Heating capacities refer to the following conditions

COOLING:	Room temperature: 27°C DB/19°C WB	HEATING:	Room temperature: 20°C DB/15°C WB
	Outdoor temperature: 35°C DB/24°C WB		Outdoor temperature: 7°C DB/6°C WB

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