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A C   P R O D U C T   C A T A L O G U E

inventor®

Discover Technology.

Contents

The World of Inventor Air Conditioners!

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

Who we are!

50 years of experience, countless satisfied customers in more than 50 countries in the world!

Our Mission!

Inventor aims at offering the Air Conditioning professional and end-user, top quality products at competitive prices.
We offer products and services flexible to meet the specific needs of any individual, this is «Your Conditions».
Our wide product range mix is continuously updated; new products are introduced annually after closely monitoring the global Air Conditioning market, as well as the social and environmental trends.

Our client is the center!

We offer: • Innovative top quality products at the most competitive prices
• 5* year warranty of excellent performance
• Unique after sales services
• Products according to specific local demands

* We offer to our international partners a 5 (five) year warranty for the compressor and 5 (five) year for the electrical/mechanical parts of all air-conditioning units (9.000 - 60.000 Btu/h).
  The 5 year excellent performance warranty is valid for Residential and Light Commercial range of products, starting from the delivery date of the units.

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Control your climate
easily from wherever...
with your Tablet
or Smartphone
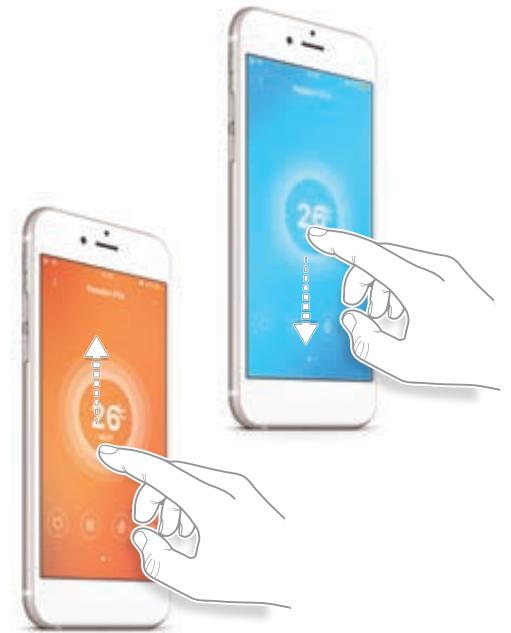
Increase or reduce the temperature of your air conditioner, from wherever you are, just with a touch of your mobile device screen, by sliding upwards or downwards depending on the desired temperatures.
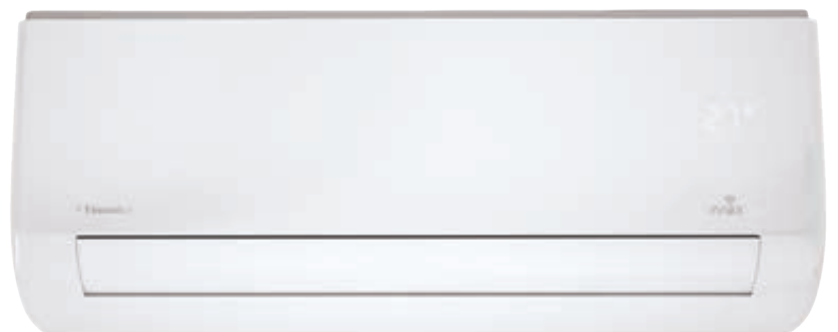
Choose the mode you prefer
and the mobile device screen will change
color automatically.
One color for each mode,
to indicate the status of the air.

INVMATE II Application

Weekly Planner

Save energy and forget the on/off button of your air conditioner. Use the innovative feature of Invmate II, Weekly Planner, and schedule the temperature of your home and/or office according to your plans!

Sleeping Curve

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

Check Diagnosis

With the 97 checking points of the check diagnosis function, the Invmate II ensures that you will never miss a thing!

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New 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.

Excellent Heating Performance at -25ºC

With the special design of the outdoor unit, which includes Chassis Heating Belt & Compressor Heating Belt, excellent heating performance is achieved, extended to -25ºC and -15ºC increasing the heating capacity by 47%.
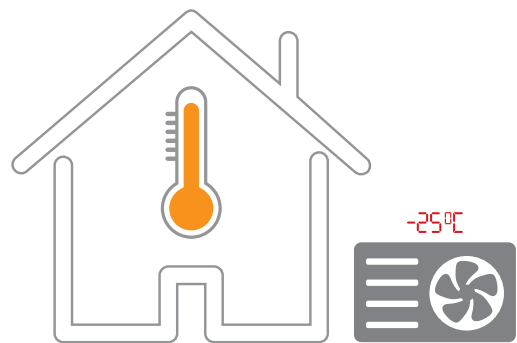
8ºC Heating

Prevent potential weather damages in places that are not heated and pose risks during the winter. Enable the 8ºC function and the air conditioner only heats the room as needed while maintaining a stable room temperature of 8ºC.
Protect your assets and enjoy low energy consumption that maximizes your energy savings throughout the winter.
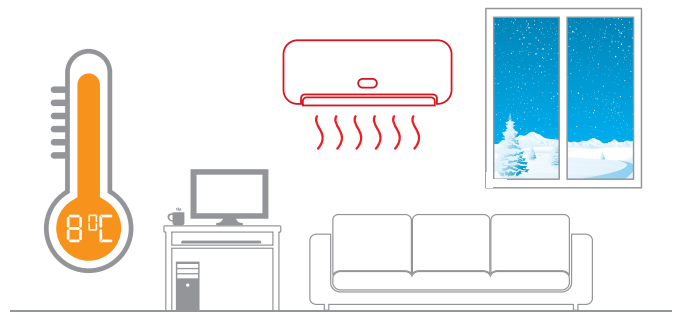
Low Ambient Cooling

The outdoor unit's special design produces an efficient and effective cooling operation even at -15ºC.
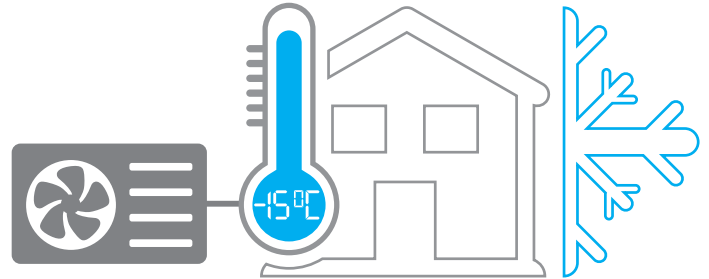
Green Fin

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

R32

The new ECO refrigerant, with no impact on the ozone layer and lower global warming potential (GWP) impact.
R32 has no toxicity, it is a low cost refrigerant and energy efficient.

GOOD DESIGN AWARD 2015

Passion Pro is the Winner of 2015 Good Design Award competition. The innovative design and the unique structure of Passion Pro were the award winning elements.
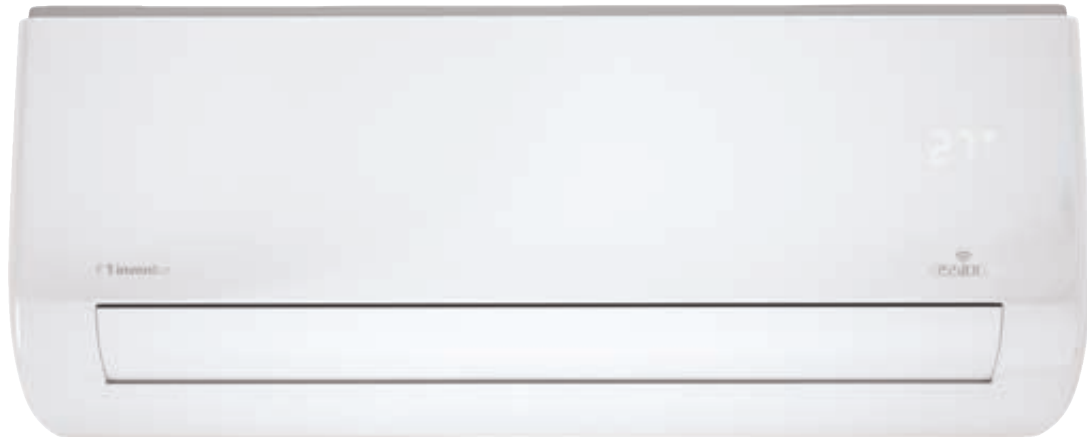
Easy Clean

50% saving on cleaning time, with Passion Pro easy removable filters, that can be pulled out at the top instead of inside the panel, installation steps are decreased from 9 to 3!

Direct pull out filter

Easy Installation

Save 20% time on installation, due to strong instal-
lation plate and cupboard of Passion Pro. Big space
for piping/wiring connection & improved wiring
terminal.

Direct remove panel
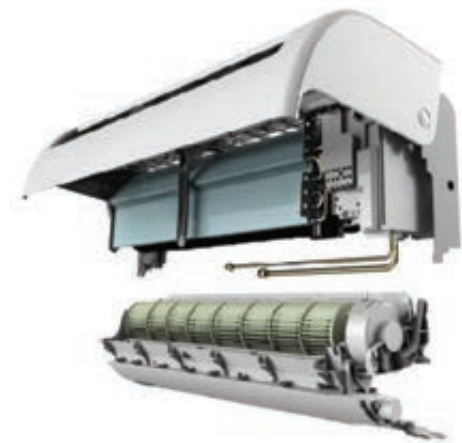
Slide out chassis

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Triple Action Filter

Triple Action Filter with Vitamin C, Silver Ion and Cold Catalyst protects your skin and improves the air.
Vitamin C: It increases collagen production. The filtered air softens the skin and reduces stress.
Silver Ion: The Silver Ions eliminate the existing bacteria and microbes in the air. It provides fresh odorless air, helping to prevent mold.
Cold Catalyst: It absorbs odors and harmful gases from the environment while successfully eliminating formaldehyde and volatile organic compounds (VOCs).

Vitamin C   Silver Ion   Cold Catalyst
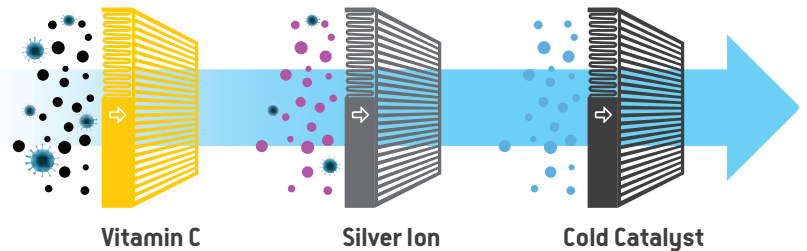
High Density Air Dust Filter

The exquisite filter optimizes the filtering effect by 40%.
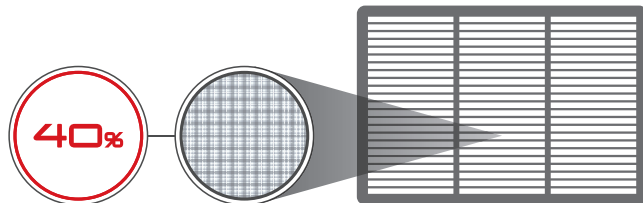
40%

Filter Check

Checking if the filter is clean is not necessary anymore with Filter Check (filter control function).
The CL indicator will light up on the screen when the filter needs to be cleaned. Enjoy pure, fresh dustless air!

Powerful Self-Cleaning

With a touch of a button on the remote control your air conditioner cleans itself! The process only takes 17 minutes. When it is finished, the unit is ready to be used again, clean from bacteria and fungi, providing fresh and clean air. The unit then powers down and remains ready for the next use.
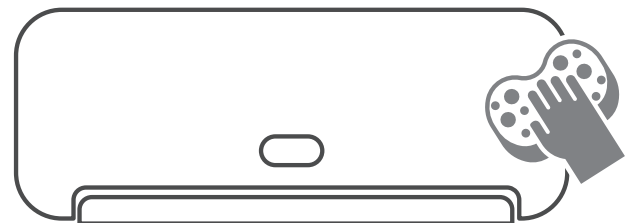
17 min

Clean Air

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.
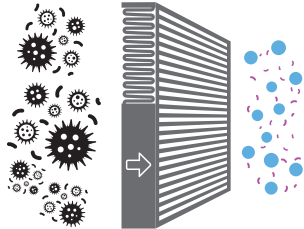
Sterilization HEPA Filter

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

Plasma Ionizer

Effective sterilization kills 80% more bacteria, removes odors, and creates air nutrition improvement with more negative oxygen ions.

90% bacteria killed

Superpower Ionizer

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

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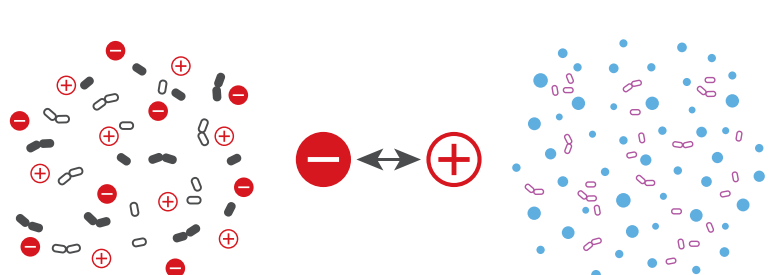
4 Way Air Flow

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.

Follow Me

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

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.
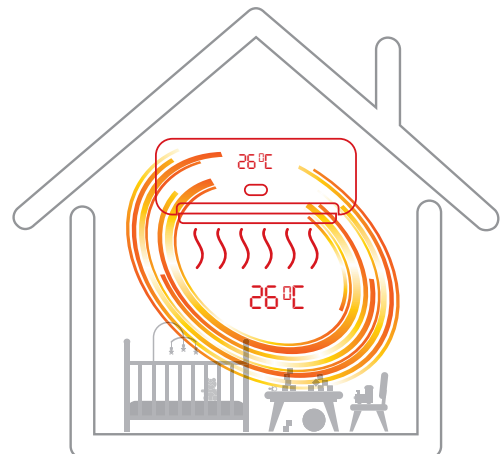
Central Control

Choose among the huge variety of controllers, based on your needs. Centralized (for up to 64 indoor units), front desk, touch pad wired controller, wifi and many others.
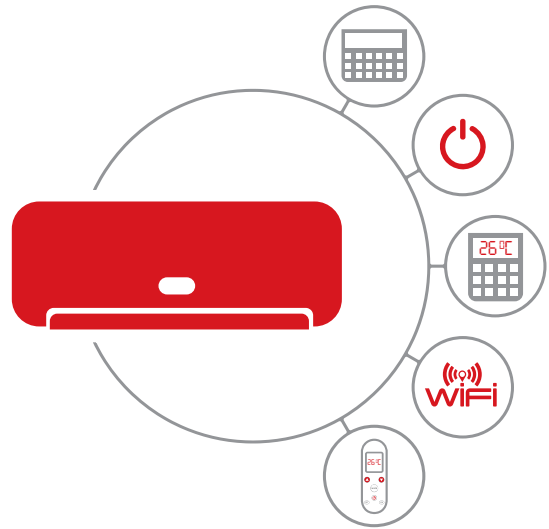
Mute Mode

Want to turn off the AC beep and display?
By pressing the mute operation Inventor AC helps to give you a quiet and comfortable night.
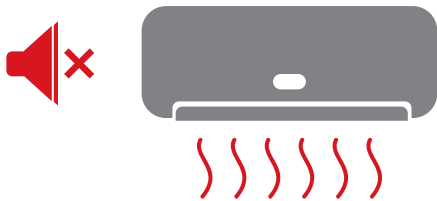
Ultra Silence Mode

Activate the Ultra Silence Mode and enjoy an absolute feeling of pure silence in your room.

Sleep Mode

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

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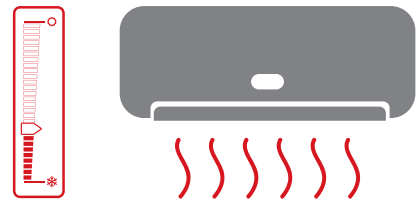
	Nemesis	Aria	Passion PRO	OMNiA	Life
WiFi Ready	√	√	√	√	
Energy Class A++	√				√
Energy Class A+		√	√	√	
Triple Action Filter	√	√	√	√	
Sterilization HEPA Filter	√		√	√	
Ionizer Filter		√			
High Density Air Dust Filter		√	√		
Plasma Ionizer					√
Superpower Ionizer	√		√	√	
Excellent Heating Performance at -25°C	√				
8°C Heating	√	√	√		
4 Way Air Flow	√	√	√		
Follow Me	√	√	√	√	
Powerful Self-Cleaning	√	√	√	√	
Ultra Silence Mode	√	√	√		
Green Fin		√	√		
Central Control			√		
Low Ambient Cooling	√	√	√	√	√
Excellent Heating Performance Under -15°C	√				
Sleep Mode	√	√	√	√	√

Nemesis	Aria	passion PRO	OMNiA	Life		
√	√	√	√		Temperature Sensor Offset	
√	√	√	√	√	Anti-Cold Air Function	
√	√	√	√		12 Grades Indoor Fan Speeds	
√	√	√	√		5 Grades Outdoor Fan Speeds	
√	√	√	√	√	Turbo Mode	
				√	Blow Xfan	
	√	√			Mute Mode	
√	√	√	√	√	All DC Inverter	
√	√	√	√	√	Auto Swing Louver	
√	√	√	√		Louver Position Memory	
√	√	√	√	√	2 Way Draining	
	√				R32	
√	√	√	√	√	Auto Restart	
√	√	√	√	√	24-Hours Timer	
√	√	√	√		Emergency Using	
	√				Filter Check	
√	√	√	√	√	Refrigerant Leakage Detect	
√	√	√	√	√	Auto Error Diagnosis	
				√	0.5W StandBy	
√	√	√	√		1W StandBy	

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Wall
Mounted

2.64/3.52 kW

20dB
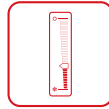
Icon	Label
	4 Way Air Flow
	Follow Me
	Powerful Self-Cleaning
	Ultra Silence Mode
	Low Ambient Cooling
	8°C Heating
	12 Grades Indoor Fan Speeds
	5 Grades Outdoor Fan Speeds
	All DC Inverter
A+++	Energy Class
	Plasma Ionizer
	Sterilization HEPA Filter
	Triple Action Filter
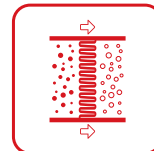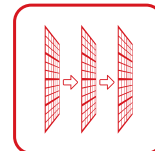
MODEL			N1MVI-09WiFiR/ N1MVO-09	N1MVI-12WiFiR/ N1MVO-12
Cooling Capacity (Btu/h)			9.000 (3.825-11.700)	12.000 (3.767-15.600)
Cooling Capacity (kWatt)			2.64 (1.12-3.43)	3.52 (1.10-4.57)
Heating Capacity (Btu/h)			14.000 (2.569-20.000)	14.000 (2.569-20.000)
Heating Capacity (kWatt)			4.1 (0.75-5.86)	4.1 (0.75-5.86)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.6	3.5
		Energy Class	A+++	A+++
		SEER	9.2	8.5
		Annual Power Consumption (kWh/year)	99	144
	Heating (Middle Zone)	Pdesign (kW)	2.6	2.7
		Energy Class	A+++	A+++
		SCOP	5.1	5.1
		Annual Power Consumption (kWh/year)	714	741
	Heating (Warm Zone)	Pdesign (kW)	3.2	3.2
		Energy Class	A+++	A+++
		SCOP	6.4	6.4
		Annual Power Consumption (kWh/year)	700	700
	Heating (Colder)	Pdesign (kW)	4.0	4.0
		Energy Class	A+	A+
		SCOP	4.1	4.1
		Annual Power Consumption (kWh/year)	2.049	2.049
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1
Current Input (A)	Cooling		2.44(0.32~5.73)	3.64(0.36~7.65)
	Heating		4.19(0.45~8.41)	4.19(0.45~8.41)
Power Input (W)	Cooling		561(73~1.319)	837(82~1.759)
	Heating		963(104~1.934)	963(104~1.934)
Air Flow Volume (m³/h)(High/Medium/Low)			589/467/347	613/494/376
Noise Level (dB(A))	Indoor unit (Silence/Low/Medium/High)		20/26/33/39	20/28/35/40
	Outdoor unit		56.5	57
Sound Power Level (dB(A))	Indoor unit		58	57
	Outdoor unit		60	61
Compressor Type			ROTARY	ROTARY
Liquid line	Gas line			1/4"	3/8"	1/4"	3/8"
Power Supply Wire Outdoor (No x mm²) / Fuses (A)			3x1.5/10	3x1.5/10
Signal Wires (No x mm²)			5x1.5	5x1.5
Dimensions WxHxD (mm)	Indoor unit		990x315x218	990x315x218
	Outdoor unit		810x558x310	810x558x310
Net Weight	Indoor / Outdoor (kg)		12.4/39.7	12.4/39.7
Refrigerant			R410A/1.500g	R410A/1.500g
Outdoor Operation Temperature Range (°C)	Cooling		-15~50	-15~50
	Heating		-25~30	-25~30

R410A CE ISO 9001 ISO 14001 RoHS COMPLIANT 2002/95/EC

WiFi Ready

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A+++ in Heating Middle Zone

Excellent heating operation for maximum energy saving.

Excellent Heating Performance at -25°C

With the special design of the outdoor unit, which includes Chassis Heating Belt & Compressor Heating Belt, excellent heating performance is achieved, extended to -25°C and -15°C increasing the heating capacity by 47%.

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09/12/18/24K Btu/h

2.7/3.52/5.28/7.33 kW

21dB

Mute Mode	8°C Heating	4 Way Air Flow	Follow Me
Powerful Self-Cleaning	Ultra Silence Mode	Low Ambient Cooling	Filter Check
All DC Inverter			

A⁺
Energy Class
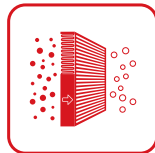
Ionizer Filter
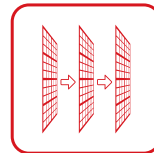
Triple Action Filter
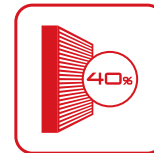
High Density Air Dust Filter

MODEL			AR1MVI32-09WiFiR/ AR1MV032-09	AR1MVI32-12WiFiR/ AR1MV032-12	AR1MVI32-18WiFiR/ AR1MV032-18	AR1MVI32-24WiFiR/ AR1MV032-24
Cooling Capacity (Btu/h)			9.200 (3.500-10.900)	12.000 (2.800-14.200)	18.000 (5.900-21.200)	25.000 (8.800-28.800)
Cooling Capacity (kWatt)			2.7 (1.03-3.19)	3.52 (0.82-4.16)	5.28 (1.73-6.21)	7.33 (2.58-8.44)
Heating Capacity (Btu/h)			10.000 (3.000-12.500)	13.000 (2.900-16.300)	19.000 (3.600-23.800)	26.000 (5.200-32.200)
Heating Capacity (kWatt)			2.93 (0.88-3.66)	3.81 (0.85-4.78)	5.57 (1.06-6.98)	7.62 (1.52-9.44)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.6	3.5	5.3	7.3
		Energy Class	A++	A++	A++	A++
		SEER	7.1	7.5	6.7	6.9
		Annual Power Consumption (kWh/year)	124	163	272	370
	Heating (Middle Zone)	Pdesign (kW)	2.6	2.8	4.1	5.1
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.2	4.0	4.0
		Annual Power Consumption (kWh/year)	910	933	1.435	1.785
	Heating (Warm Zone)	Pdesign (kW)	3.1	3.3	4.5	6.3
		Energy Class	A+++	A+++	A+++	A+++
		SCOP	5.2	5.1	5.1	5.1
		Annual Power Consumption (kWh/year)	835	906	1.235	1.729
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling		0.3~5.3	0.2~6.9	0.5~10.4	1.0-14.1
	Heating		0.6~5.7	0.6~7.4	0.8~10.8	1.4-14.4
Power Input (W)	Cooling		70~1.230	50~1.600	120~2.390	230~3.350
	Heating		140~1.310	130~1.710	190~2.490	230-3.370
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))	Indoor unit (Silence/Low/Medium/High)		21/22/29.5/37	21/22/30/38	21/27/33/42	26/30/40/46
	Outdoor unit		54	54	56	63
Sound Power Level (dB(A))	Indoor unit		53	55	57	60
	Outdoor unit		59	60	62	65
Compressor Type			ROTARY	ROTARY	ROTARY	ROTARY
Liquid line	Gas line			1/4"	3/8"	1/4"	3/8"	1/4"	1/2"	3/8"	5/8"
Power Supply Wire Outdoor (No x mm²) / Fuses (A)			3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16
Signal Wires (No x mm²)			5x1.5	5x1.5	5x1.5	5x1.5
Dimensions WxHxD (mm)	Indoor unit		722x290x187	802x297x189	965x319x215	1.080x335x226
	Outdoor unit		770x555x300	770x555x300	800x554x333	845x700x320
Net Weight	Indoor / Outdoor (kg)		7.4/26.4	8.2/26.5	9/37	12/48
Refrigerant			R32/700g	R32/800g	R32/1.250g	R32/1.600g
Operation Temperature Range (°C)	Cooling		-15~50	-15~50	-15~50	-15~50
	Heating		-15~30	-15~30	-15~30	-15~30

R32   CE   ISO 9001   ISO 14001   RoHS COMPLIANT 2002/95/EC

Aria

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The new ECO refrigerant, with no impact on the ozone layer and lower global warming potential (GWP). R32 has no toxicity, it is a low cost refrigerant and energy efficient .

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

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09/12/18/24K Btu/h
2.64/3.52/5.28/7.03 kW

Easy Installation · **8°C Heating** · **4 Way Air Flow** · **Follow Me** · **Powerful Self-Cleaning** · **Ultra Silence Mode** · **Green Fin** · **Low Ambient Cooling** · **All DC Inverter**
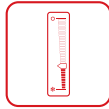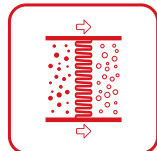
A+ Energy Class · **Superpower Ionizer** · **Sterilization HEPA Filter** · **Easy Clean**

MODEL			P6MVI-09WFR/ P6MVO-09	P6MVI-12WFR/ P6MVO-12	P6MVI-18WFR/ P6MVO-18	P6MVI-24WFR/ P6MVO-24
Cooling Capacity (Btu/h)			9.000 (4.000-11.300)	12.000 (4.300-15.200)	18.000 (6.500-20.900)	24.000 (9.100-26.900)
Cooling Capacity (kWatt)			2.64 (1.17-3.31)	3.52 (1.26-4.45)	5.28 (1.91-6.13)	7.03 (2.67-7.88)
Heating Capacity (Btu/h)			10.000 (2.800-12.700)	13.000 (3.640-16.600)	19.000 (4.870-23.000)	26.000 (7.100-31.200)
Heating Capacity (kWatt)			2.93 (0.82-3.72)	3.81 (1.07-4.87)	5.57 (1.43-6.74)	7.62 (2.08-9.14)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.6	3.5	5.3	7.0
		Energy Class	A++	A++	A++	A++
		SEER	6.8	6.7	6.8	6.4
		Annual Power Consumption (kWh/year)	134	183	273	383
	Heating (Middle Zone)	Pdesign (kW)	2.4	2.6	4.4	5.6
		Energy Class	A+	A+	A+	A+
		SCOP	4.1	4.2	4.2	4.0
		Annual Power Consumption (kWh/year)	820	820	1.467	1.960
	Heating (Warm Zone)	Pdesign (kW)	3.0	3.0	4.7	7.2
		Energy Class	A+++	A+++	A+++	A+++
		SCOP	5.1	5.2	5.4	5.2
		Annual Power Consumption (kWh/year)	824	824	1.219	1.938
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling		3.5(0.4-5.5)	5.0(0.5-7.5)	7.1(0.7-10.2)	10.0(1.0-13.2)
	Heating		3.5(0.6-5.7)	4.6(0.7-7.6)	6.5(1.0-10.5)	10.0(1.3-14.2)
Power Input (W)	Cooling		816(100-1.270)	1.153(110-1.720)	1.633(150-2.350)	2.306(230-3.030)
	Heating		811(140-1.330)	1.055(170-1.740)	1.500(230-2.400)	2.302(310-3.270)
Air Flow Volume (m³/h) (High/Medium/Low)			472/360/254	563/497/224	870/730/500	1.176/921/446
Noise Level (dB(A))	Indoor unit (Silence/Low/Medium/High)		21/28/35/40	24/33/40/41	27/34/43/45	28/35/45/47
	Outdoor unit		55	56	58	61
Sound Power Level (dB(A))	Indoor unit		53	52	59	61
	Outdoor unit		58	59	64	65
Compressor Type			ROTARY	ROTARY	ROTARY	ROTARY
Liquid line | Gas line			1/4" | 3/8"	1/4" | 3/8"	1/4" | 1/2"	3/8" | 5/8"
Power Supply Wire Outdoor (No x mm²) / Fuses (A)			3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16
Signal Wires (No x mm²)			5x1.5	5x1.5	5x1.5	5x1.5
Dimensions WxHxD (mm)	Indoor unit		717x302x193	805x302x193	964x325x222	1.106x342x232
	Outdoor unit		770x555x300	800x554x333	800x554x333	845x702x363
Net Weight	Indoor / Outdoor (kg)		7.0/26.6	7.7/29.1	10.1/37.8	13.2/48.4
Refrigerant			R410A/800g	R410A/950g	R410A/1.480g	R410A/2.000g
Operation Temperature Range (°C)	Cooling		-15~50	-15~50	-15~50	-15~50
	Heating		-15~30	-15~30	-15~30	-15~30

R410A · CE · ISO 9001 · ISO 14001 · RoHS COMPLIANT 2002/95/EC

Passion Pro

WiFi Ready
Control your climate easily from wherever, with your Smartphone or Tablet. Download the app, Invmate II, for free via Google Play & App Store and set your temperature conditions.

Central Control
Choose among the huge variety of controllers, based on your needs. Centralized (for up to 64 indoor units), front desk, touch pad wired controller, wifi and many others.

Good Design Award
Passion Pro is the Winner of 2015 Good Design Award competition. The innovative design and the unique structure of Passion Pro were the award winning elements.

inventor

09/12/18/24K Btu/h
2.64/3.52/5.28/7.03 kW

Low Ambient Cooling · **Sleep Mode** · **12 Grades Indoor Fan Speeds** · **5 Grades Outdoor Fan Speeds** · **Turbo Mode** · **Auto Restart** · **24-Hours Timer** · **Auto Error Diagnosis** · **All DC Inverter**
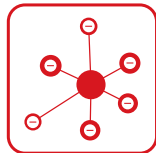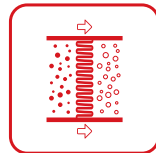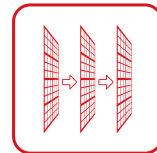
A⁺ Energy Class · **Superpower Ionizer** · **Sterilization HEPA Filter** · **Triple Action Filter**

MODEL		01MVI-09WFR/01MVO-09	01MVI-12WFR/01MVO-12	01MVI-18WFR/01MVO-18	01MVI-24WFR/01MVO-24
Cooling Capacity (Btu/h)		9.000 (3.500-11.000)	12.000 (3.700-14.000)	18.000 (6.200-20.900)	24.000 (9.100-26.900)
Cooling Capacity (kWatt)		2.64 (1.03-3.22)	3.52 (1.08-4.1)	5.28 (1.82-6.13)	7.03 (2.67-7.88)
Heating Capacity (Btu/h)		10.000 (2.800-11.500)	13.000 (3.000-14.400)	19.000 (4.700-23.000)	25.000 (5.500-30.000)
Heating Capacity (kWatt)		2.93 (0.82-3.37)	3.81 (0.88-4.22)	5.57 (1.38-6.74)	7.33 (1.61-8.79)
Seasonal Efficiency (In accordance to EN14825)	**Cooling** — Pdesign (kW)	2.6	3.5	5.3	7.0
	Energy Class	A++	A++	A++	A++
	SEER	6.1	6.1	6.5	6.3
	Annual Power Consumption (kWh/year)	149	201	285	389
	Heating (Middle Zone) — Pdesign (kW)	2.4	2.6	4.3	5.5
	Energy Class	A+	A+	A+	A+
	SCOP	4.0	4.0	4.2	4.0
	Annual Power Consumption (kWh/year)	840	910	1.433	1.925
	Heating (Warm Zone) — Pdesign (kW)	2.8	2.9	4.6	6.7
	Energy Class	A++	A++	A+++	A+++
	SCOP	4.9	4.6	5.1	5.1
	Annual Power Consumption (kWh/year)	800	883	1.263	1.839
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	3.8(0.4-5.4)	5.5(0.4-6.9)	7.1(0.6~10.3)	11.7(1.0-13.2)
	Heating	3.9(0.5-5.2)	5.0(0.6-6.6)	6.7(0.9~10.5)	11.1(1.1-13.7)
Power Input (W)	Cooling	879(100-1.240)	1.256(100-1.580)	1.633(140~2.360)	2.684(240-3.030)
	Heating	887(120-1.200)	1.154(130-1.510)	1.542(200~2.410)	2.549(260-3.140)
Air Flow Volume (m³/h) (High/Medium/Low)		430/320/230	520/420/340	610/460/360	960/820/650
Noise Level (dB(A))	Indoor unit (Low/Medium/High)	25/31/38	26/32/38	25/29/36	31/37/43
	Outdoor unit	53	55	57	59
Sound Power Level (dB(A))	Indoor unit	52	53	55	61
	Outdoor unit	58	60	63	68
Compressor Type		ROTARY	ROTARY	ROTARY	ROTARY
Liquid line | Gas line		1/4" | 3/8"	1/4" | 3/8"	1/4" | 1/2"	3/8" | 5/8"
Power Supply Wire Outdoor (No x mm²) / Fuses (A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16
Signal Wires (No x mm²)		5x1.5	5x1.5	5x1.5	5x1.5
Dimensions WxHxD (mm)	Indoor unit	715x250x188	800x275x188	940x275x205	1.045x315x235
	Outdoor unit	770x555x300	770x555x300	800x554x333	845x702x363
Net Weight	Indoor / Outdoor (kg)	6.3/25.2	7.2/25.5	9/37.8	12/48.4
Refrigerant		R410A/800g	R410A/800g	R410A/1.480g	R410A/2.000g
Operation Temperature Range (°C)	Cooling	-15~50	-15~50	-15~50	-15~50
	Heating	-15~30	-15~30	-15~30	-15~30

R410A · CE · ISO 9001 · ISO 14001 · RoHS COMPLIANT

Omnia

WiFi Ready
Control your climate easily from wherever, with your Smartphone or Tablet. Download the app, Invmate II, for free via Google Play & App Store and set your temperature conditions.

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

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

inventor

09/12/16/18/24K Btu/h

2.5/3.2/4.6/5.13/6.7 kW

Low Ambient Cooling · **Anti-Cold Air Function** · **Turbo Mode** · **Auto Restart** · **24-Hours Timer** · **Refrigerant Leakage Detect** · **Auto Error Diagnosis** · **All DC Inverter**

A+++ Energy Class · **Plasma Ionizer**

MODEL			L3VI-09 ION / L3VO-09	L3VI-12 ION / L3VO-12	L3VI-16 ION / L3VO-16	L3VI-18 ION / L3VO-18	L3VI-24 ION / L3VO-24
Cooling Capacity (Btu/h)			8.530(2.047-9.554)	10.918(2.047-12.965)	15.695(2.218-17.742)	17.504(4.299-22.519)	22.860(6.824-27.978)
Cooling Capacity (kWatt)			2.50(0.60-2.80)	3.20(0.60-3.60)	4.60(0.65-5.20)	5.13(1.26-6.60)	6.70(2.00-8.20)
Heating Capacity (Btu/h)			9.554(2.047-10.918)	11.601(2.047-12.966)	17.060(2.388-17.998)	17.998(3.821-23.202)	24.737(6.824-29.002)
Heating Capacity (kWatt)			2.80(0.60-3.20)	3.40(0.60-3.80)	5.00(0.70-5.28)	5.28(1.12-6.80)	7.25(2.00-8.50)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.50	3.20	4.60	5.10	6.70
		Energy Class	A++	A++	A++	A++	A++
		SEER	6.10	6.10	6.10	6.10	6.30
		Annual Power Consumption (kWh/year)	143	184	264	293	373
	Heating (Middle Zone)	Pdesign (kW)	2.50	3.20	3.30	4.10	6.40
		Energy Class	A+	A+	A+	A+	A+
		SCOP	4.00	4.00	4.00	4.00	4.00
		Annual Power Consumption (kWh/year)	875	1.120	1.155	1.435	2.240
	Heating (Warm Zone)	Pdesign (kW)	2.50	3.20	3.30	5.30	7.10
		Energy Class	A+++	A+++	A+++	A+++	A+++
		SCOP	5.10	5.10	5.10	5.40	5.10
		Annual Power Consumption (kWh/year)	686	878	906	1.374	1.949
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling		3.60	4.50	6.34	7.0	8.32
	Heating		3.50	4.4	6.12	6.3	8.63
Power Input (W)	Cooling		780(120-1.300)	997(120-1.400)	1.430(150-1.860)	1.580(380-2.450)	1.875(400-3.700)
	Heating		775(120-1.400)	942(120-1.500)	1.380(160-1.680)	1.410(350-2.600)	1.945(450-3.800)
Air Flow Volume (m³/h) (Turbo/High/Medium/Low)			480/370/320/210	560/480/410/290	850/720/610/520	800/720/610/520	1.150/1.050/950/850
Noise Level (dB(A))	Indoor unit (Silence/Low/Medium/High)		39/44/47/50	40/46/50/55	45/50/53/58	48/51/54/58	48/45/42/39
	Outdoor unit		51	52	54	56	60
Sound Power Level (dB(A))	Indoor unit		39	40	45	48	53
	Outdoor unit		60	61	63	63	68
Compressor Type			ROTARY	SWING	SWING	ROTARY	ROTARY
Liquid line	Gas line			1/4"	3/8"	1/4"	3/8"	1/4"	3/8"	1/4"	1/2"	1/4"	5/8"
Power Supply Wire Outdoor (No x mm²) / Fuses (A)			3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	3x2.5/16
Signal Wires (No x mm²)			4x1.5	4x1.5	4x1.5	4x1.5	4x1.5
Dimensions WxHxD (mm)	Indoor unit		790x275x200	790x275x200	970x300x224	970x300x224	1.078x325x246
	Outdoor unit		776x540x320	842x596x320	842x596x320	955x700x396	955x700x396
Net Weight	Indoor / Outdoor (kg)		9/26.5	9/31	13.5/33.5	13.5/45	17/53
Refrigerant			R410A/700g	R410A/850g	R410A/1.200g	R410A/1.300g	R410A/1.900g
Operation Temperature Range (°C)	Cooling		-15~48	-15~48	-15~48	-15~43	-15~43
	Heating		-15~24	-15~24	-15~24	-15~24	-15~24

R410A CE ISO 9001 ISO 14001 RoHS COMPLIANT 2002/95/EC

A+++ in Heating Warm Zone

Excellent heating operation, for maximum energy saving.

Plasma Ionizer

Effective sterilization kills 80% more bacteria, removes odors and creates air nutrition improvement with more negative oxygen ions.

Blow Xfan

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

Portable

Magic

Cool

24-Hours Timer

Sleep Mode

Automatic Operation

Compact Design

Lock

A Energy Class
Energy efficient cooling option.

Low Noise Level
Quiet and powerful, level for comfortable cooling rooms.

MODEL		COOL
Cooling Capacity (Btu/h)		8.000
Cooling Capacity (kWatt)		2.345
Heating Capacity (Btu/h)		—
Heating Capacity (kWatt)		—
Energy Class (Cooling/Heating)		A / -
EER		2.60
COP		—
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1
Current Input (A)	Cooling	4.60
	Heating	—
Power Input (W)	Cooling	900
	Heating	—
Air Flow Volume (m³/h) (High/Medium/Low)		330/300/250
Dehumidifying Volume (L/h)		0.75
Noise Level (dB(A)) (Low/Medium/High)		50/52/54
Sound Power Level (dB(A))		65
Compressor Type		ROTARY
Dimensions WxHxD (mm)		300x790x345
Net Weight (kg)		24.0
Refrigerant		R410A/460g

Magic

24-Hours Timer

Auto Swing

Omni-Directional Caster

Easy Installation

Self Evaporating System

A⁺

A/A+ Energy Class
Efficient performance that guarantees, lower energy consumption.

Cooling & Heating
Strong enough to cool or to heat, up to 23m^2.

MODEL		MAGIC
Cooling Capacity (Btu/h)		11.942
Cooling Capacity (kWatt)		3.5
Heating Capacity (Btu/h)		9.895
Heating Capacity (kWatt)		2.9
Energy Class (Cooling/Heating)		**A / A+**
EER		2.6
COP		2.6
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1
Current Input (A)	Cooling	5.9
	Heating	5
Power Input (W)	Cooling	1.350
	Heating	1.130
Air Flow Volume (m³/h) (High/Medium/Low)		425/365/340
Dehumidifying Volume (L/h)		1.2
Noise Level (dB(A)) (Low/Medium/High)		52.4/52.7/53.7
Sound Power Level (dB(A))		65
Compressor Type		ROTARY
Dimensions WxHxD (mm)		466x765x397
Net Weight (kg)		34
Refrigerant		R410A/420g

inventor
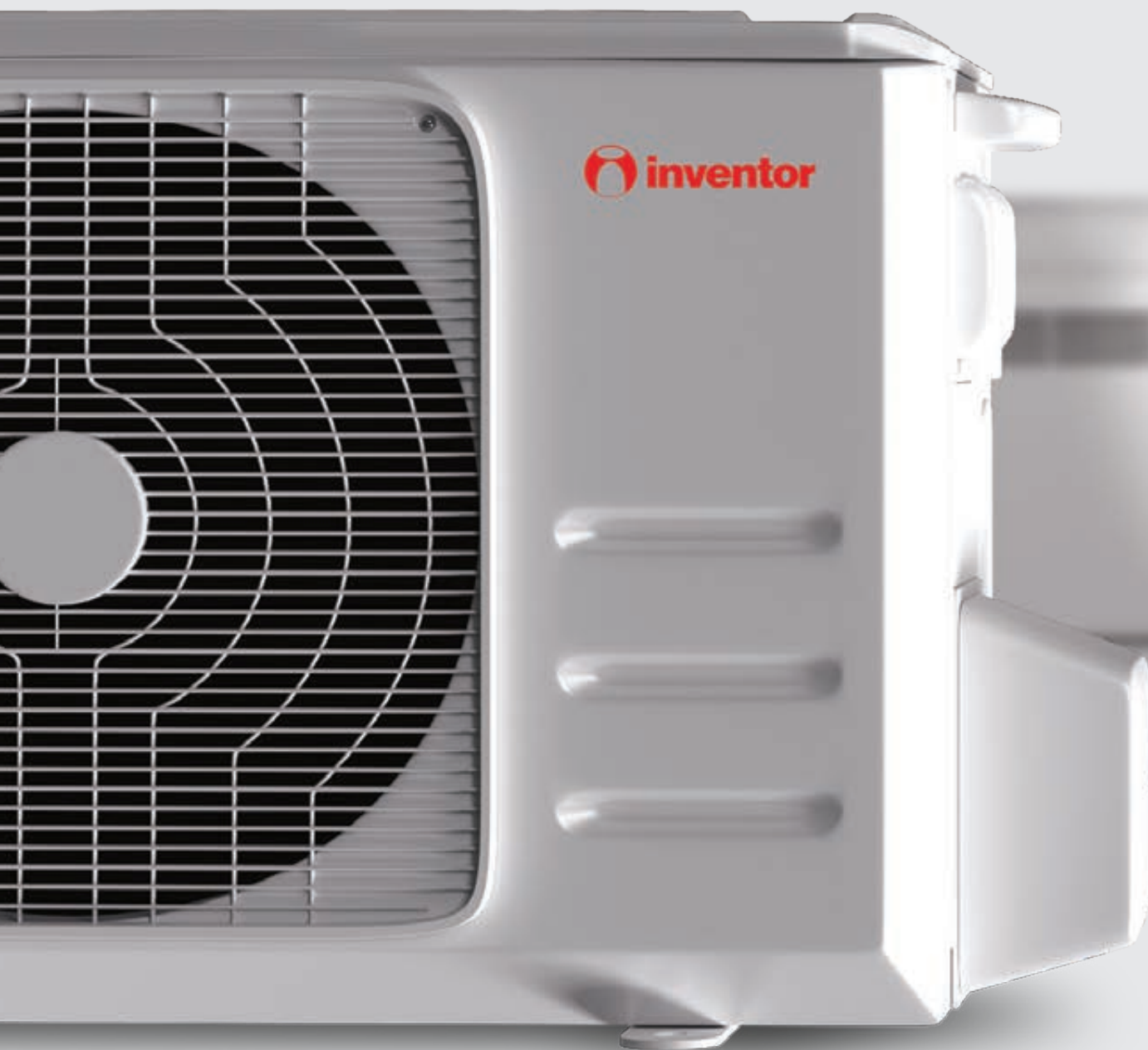
Multi Split

MODEL		U4MRSL(2)-14	U4MRSL(2)-18	U4MRSL(3)-21	U4MRSL(3)-27
Cooling Capacity (Btu/h)		7.000-14.000	7.000-18.000	7.000-21.000	7.000-27.000
Cooling Capacity (kWatt)		2.05-4.10	2.05-5.28	2.05-6.15	2.05-7.91
Heating Capacity (Btu/h)		8.000-15.000	8.000-19.000	8.000-22.500	8.000-28.000
Heating Capacity (kWatt)		2.34-4.40	2.34-5.57	2.34-6.59	2.34-8.21
Seasonal Efficiency (In accordance to EN14825)	Cooling — Pdesign (kW)	4.1	5.2	6.1	7.9
	Cooling — Energy Class	A++	A++	A++	A++
	Cooling — SEER	6.8	6.3	6.4	6.6
	Heating (Middle Zone) — Pdesign (kW)	3.4	4.7	5.7	5.9
	Heating (Middle Zone) — Energy Class	A+	A+	A+	A+
	Heating (Middle Zone) — SCOP	4.0	4.0	4.0	4.0
Voltage / Frequency / Phase (V/Hz/Ph)		230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Indoor Number of Units (Min.-Max.)		1-2	1-2	1-3	1-3
Noise Level (dB(A))		54	56.5	57.5	59.5
Sound Power Level (dB(A))		60	65	65	68
Dimensions WxHxD (mm)		800x554x333	800x554x333	845x702x363	845x702x363
Net Weight Outdoor (kg)		30.5	36.0	47.0	52.7
Compressor Type		ROTARY	ROTARY	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")	3 x (1/4"|3/8")
Power Supply Wire Outdoor (No x mm) / Fuses (A)		3x2.5 / 16	3x2.5 / 16	3x2.5 / 16	3x2.5 / 20
Refrigerant		R410A/1.250g	R410A/1.700g	R410A/2.100g	R410A/2.100g
Maximum Pipe Length (m)	Total	30	30	45	45
	For one Indoor Unit	20	20	25	25
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

MODEL		U4MRSL(4)-28	U4MRSL(4)-36	U4MRSL(5)-42
Cooling Capacity (Btu/h)		7.000-28.000	7.000-36.000	7.000-42.000
Cooling Capacity (kWatt)		2.05-8.21	2.05-10.55	2.05-12.31
Heating Capacity (Btu/h)		8.000-30.000	8.000-38.000	8.000-42.000
Heating Capacity (kWatt)		2.34-8.79	2.34-11.14	2.34-12.31
Seasonal Efficiency (In accordance to EN14825)	Cooling — Pdesign (kW)	8.2	10.6	12.3
	Cooling — Energy Class	A++	A++	A++
	Cooling — SEER	6.8	7.6	7.7
	Heating (Middle Zone) — Pdesign (kW)	7.0	9.3	9.6
	Heating (Middle Zone) — Energy Class	A+	A	A
	Heating (Middle Zone) — SCOP	4	3.8	3.8
Voltage / Frequency / Phase (V/Hz/Ph)		230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
Indoor Number of Units (Min.-Max.)		1-4	1-4	1-5
Noise Level (dB(A))		60	63.5	62
Sound Power Level (dB(A))		66	68	68
Dimensions WxHxD (mm)		946x810x410	946x810x410	946x810x410
Net Weight Outdoor (kg)		67.6	70.0	76.0
Compressor Type		TWIN-ROTARY	TWIN-ROTARY	TWIN-ROTARY
Liquid Line / Gas Line		3x (1/4"|3/8") +1x (1/4"|1/2")	3x (1/4"|3/8") +1x (1/4"|1/2")	4x (1/4"|3/8") +1x (1/4"|1/2")
Power Supply Wire Outdoor (No x mm²) / Fuses (A)		3x2.5 / 20	3x4.0 / 25	3x4.0 / 25
Refrigerant		R410A/2.400g	R410A/3.000g	R410A/3.600g
Maximum Pipe Length (m)	Total	60	60	75
	For one Indoor Unit	30	30	30
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

Multi Split Outdoor Units

A⁺⁺
Energy Class

ALL DC INVERTER
All DC Inverter

Auto Error Diagnosis

Quiet Operation
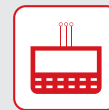
Central Control Management (Optional)

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

Flexible Installation
Maximum total pipe length up to 75m.

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

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

Electronic Expansion Valve Per Circuit
The independent electronic valve of each indoor unit, offers better operating control and efficiency.

inventor

Central Control Management (Optional)
Wired Control (Optional)
Error Alarm Port
Front Desk Control (Optional)
Auto Error Diagnosis

Wide Angle Air Flow
This 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 unit operation.

Double Air Outlet
Air outlets on the top and bottom to enjoy fast heating, while ensuring running cost are kept low.

MODEL		LV4MLI-07		LV4MLI-09	LV4MLI-12	LV4MLI-18
Cooling Capacity (Btu/h)		7.000		9.000	12.000	18.000
Cooling Capacity (kWatt)		2.05		2.64	3.52	5.28
Heating Capacity (Btu/h)		8.000		10.000	13.000	18.000
Heating Capacity (kWatt)		2.34		2.93	3.81	5.28
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		0.16	0.21	0.25
Power Input (W)	Cooling	30		30	40	50
	Heating	30		36	48	58
Air Flow Volume (m³/h) (High/Medium/Low/Slow)		710/680/580/450		710/680/580/450	550/470/360	820/740/650/520
Noise Level (dB(A)) (Low/Medium/High)		31/35/38		35/40/45	35/41/47	39/44/48
Sound Power Level (dB(A))		56		56	58	59
Dimensions WxHxD (mm)		700x600x210		700x600x210	700x600x210	700x600x210
Net Weight (kg)		13.6	13.5	14.8	15	
Liquid Line / Gas Line		1/4"|3/8"		1/4"|3/8"	1/4"|3/8"	1/4"|1/2"

Multi Split Indoor Units

Quiet Operation

Sleep Mode

Turbo Mode

Refrigerant Leakage Detect

Auto Error Diagnosis

WiFi Ready

Control your climate easily from wherever, with your Smartphone or Tablet. Download the app, Invmate II, for free via Google Play & App Store and set your temperature conditions.

Superpower Ionizer

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

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		AR1MVI-07WFR	AR1MVI-09WFR	AR1MVI-12WFR	AR1MVI-18WFR	AR1MVI-24WFR
Cooling Capacity (Btu/h)		8.000	9.000	12.000	18.000	24.000
Cooling Capacity (kWatt)		2.34	2.64	3.52	5.28	7.03
Heating Capacity (Btu/h)		9.000	10.000	13.000	20.000	27.000
Heating Capacity (kWatt)		2.64	2.93	3.81	5.86	7.91
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	0.11	0.11	0.11	0.15	0.28
	Heating	0.11	0.11	0.11	0.15	0.28
Power Input (W)	Cooling	24	24	24	34	62
	Heating	24	24	24	34	62
Air Flow Volume (m³/h) (High/Medium/Low)		400/300/230	420/310/240	520/460/270	750/500/420	1.060/830/610
Noise Level (dB(A)) (Low/Medium/High)		22/31/36	23/33/37	24/35/39	29/34/42	32/43/48
Sound Power Level (dB(A))		52	53	52	57	61
Dimensions WxHxD (mm)		722x290x187	722x290x187	802x297x189	965x319x215	1.080x335x226
Net Weight (kg)		7.4	7.4	8.2	10.7	13
Liquid Line|Gas Line		1/4"|3/8"	1/4"|3/8"	1/4"|3/8"	1/4"|1/2"	3/8"|5/8"

inventor

Central Control Management (Optional)

Wired Control (Optional)

Error Alarm Port

Front Desk Control (Optional)

Auto Error Diagnosis

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 structure 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.

MODEL		LV4MCI-07	LV4MCI-09	LV4MCI-12	LV4MCI-18
Cooling Capacity (Btu/h)		7.000	9.000	12.000	18.000
Cooling Capacity (kWatt)		2.05	2.64	3.52	5.28
Heating Capacity (Btu/h)		8.000	10.000	14.000	18.000
Heating Capacity (kWatt)		2.34	2.93	4.1	5.28
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling	0.18	0.18	0.18	0.44
	Heating	0.18	0.18	0.18	0.44
Power Input (W)	Cooling	40	40	40	102
	Heating	40	40	40	102
Air Flow Volume (m³/h) (High/Medium/Low)		580/500/450	580/500/450	650/530/450	800/650/500
Noise Level (dB(A)) (Low/Medium/High)		35/38/42	33/36/39	34/37/41	36/42/48
Sound Power Level (dB(A))		53	53	58	59
Dimensions WxHxD (mm)	Panel	647x647x50	647x647x50	647x647x50	647x647x50
	Indoor	570x570x260	570x570x260	570x570x260	570x570x260
Net Weight (kg)	Panel	2.5	2.5	2.5	2.5
	Indoor	14.5	14.5	16	18
Liquid Line / Gas Line		1/4"|3/8"	1/4"|3/8"	1/4"|3/8"	1/4"|1/2"

Multi Split Indoor Units

Central Control Management (Optional)

Wired Control (Optional)

Error Alarm Port

Front Desk Control (Optional)

Auto Error Diagnosis

Super Slim Design
Smaller indoor unit height compared to the conventional indoor units.

Two Air Inlet Styles
Choose between the bottom or the rear side for the air intake. It can fit all needs of the installations. Flexible air intake from the back or the bottom part of the unit.

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

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

MODEL		LV4MDI-07	LV4MDI-09	LV4MDI-12	LV4MDI-18
Cooling Capacity (Btu/h)		7.000	9.000	12.000	18.000
Cooling Capacity (kWatt)		2.05	2.64	3.52	5.28
Heating Capacity (Btu/h)		8.000	10.000	13.000	20.000
Heating Capacity (kWatt)		2.34	2.93	3.81	5.86
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) (High/Medium/Low)		530/400/340	530/400/340	680/580/450	816/546
Noise Level (dB(A)) (Low/Medium/High)		31/32/35	28/31/35	35/38/42	40/42/46
Sound Power Level (dB(A))		55	55	59	59
Dimensions WxHxD (mm)		700x210x635	700x210x635	700x210x635	920x210x635
Net Weight (kg)		18.5	18.5	18.4	23
Liquid Line		1/4"	1/4"	1/4"	1/4"
Gas Line		3/8"	3/8"	3/8"	1/2"
Static Pressure (Pa)		0-40	0-40	0-45	0-60

inventor

Light
Commercial

MODEL			V4MCRI-12/U4MRS-12	V4MCRI-18/U4MRS-18	V4MCI-24/U4MRS-24	V4MCI-36/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 (KW/h)			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)			14.000 (2.100-17.500)	19.000 (3.000-24.000)	24.000 (4.100-29.500)	38.000 (9.000-45.000)
Heating Capacity (KW/h)			4.10 (0.62-5.13)	5.57 (0.88-7.03)	7.03 (1.20-8.65)	11.14 (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++
		SEER	6.1	6.3	6.1	6.1
	Heating (Middle Zone)	Pdesign (kW)	3.6	4.8	5.8	9.9
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	3.6	5.0	5.6	10.5
		Energy Class	A+++	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1	5.1
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)		Cooling/Heating	1.0-7.7/2.3-8.4	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	210-1.692/496-1.830	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)			650/530/450	660/550/490	1.450/1.250/1.100	1.900/1.750/1.460
Noise Level (dB(A))		Indoor unit (Low/Medium/High)	34/38/42	38/42/46	39/42/46	47/50/53
		Outdoor unit	57	56.5	60.5	61
Sound Power Level (db(A))		Indoor unit / Outdoor unit	57/60	56/64	61/65	61/66
Power Supply Wire Outdoor Unit (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 WxHxD (mm)		Panel	647x647x50	647x647x50	950x950x55	950x950x55
		Indoor unit	570x260x570	570x260x570	840x245x840	840x245x840
		Outdoor unit	800x554x333	800x554x333	845x702x363	946x810x410
Net Weight (kg)		Panel/Indoor/Outdoor unit	2.5/16/34.5	2.5/16.5/35.5	5/24/49.0	5/26.4/67.2
Liquid Line	Gas Line			1/4"	3/8"	1/4"	1/2"	3/8"	5/8"	3/8"	5/8"
Refrigerant			R410A/1.380g	R410A/1.780g	R410A/1.950g	R410A/3.200g
Operation Temperature Range (°C)		Cooling/Heating	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

MODEL			V4MCI-42/U4MRT-42	V4MCI-50/U4MRT-50	V4MCI-60/U4MRT-60
Cooling Capacity (Btu/h)			42.000 (11.000-45.000)	48.000 (13.600-56.160)	54.000 (17.000-61.500)
Cooling Capacity (KW/h)			12.31 (3.22-13.19)	14.06 (3.99-16.46)	16.12 (4.98-18.02)
Heating Capacity (Btu/h)			46.000 (10.000-50.000)	55.000 (14.300-64.900)	62.000 (18.000-70.000)
Heating Capacity (KW/h)			13.48 (2.93-14.65)	16.11 (4.19-19.02)	18.17 (5.28-20.52)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	12.1	14.0	16.0
		Energy Class	A+	A+	A+
		SEER	5.6	5.6	5.6
	Heating (Middle Zone)	Pdesign (kW)	1.0	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)			380/50/3	380/50/3	380/50/3
Current Input (A)		Cooling/Heating	1.8-8.7/1.7-9.0	2.4-10.9/2.4-10.1	2.9-10.5/3.0-12.6
Power Input (W)		Cooling/Heating	1.070-5.070/975-5.230	1.400-6.000/1.400-5.900	1.660-6.932/1.760-7.320
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	63	65	62.5
Sound Power Level (db(A))		Indoor unit / Outdoor unit	64/71	63/72	68/75
Power Supply Wire Outdoor Unit (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 WxHxD (mm)		Panel	950x950x55	950x950x55	950x950x55
		Indoor unit	840x287x840	840x287x840	840x287x840
		Outdoor unit	946x810x410	952x1.333x410	952x1.333x410
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/Heating	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

Cassettes

A⁺⁺ — Energy Class

ALL DC INVERTER — All DC Inverter

Central Control Management (Optional)

Wired Control (Optional)

Error Alarm Port

Front Desk Control (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.

Built-in Drain Pump

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

External Air Duct Outlet

With the special structure 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.

MODEL			V4MLI-12/V4MLO-12	V4MLI-18/V4MLO-18
Cooling Capacity (Btu/h)			12.000 (2.100-15.000)	16.000 (2.500-19.500)
Cooling Capacity (kW)			3.52 (0.62-4.40)	4.7 (0.73-5.72)
Heating Capacity (Btu/h)			13.000 (2.100-16.900)	17.000 (2.800-22.000)
Heating Capacity (kW)			3.81 (0.62-4.95)	5.0 (0.82-6.45)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	3.5	4.7
		Energy Class	A++	A++
		SEER	6.1	6.1
	Heating (Middle Zone)	Pdesign (kW)	3.6	4.2
		Energy Class	A+	A
		SCOP	4.0	3.8
	Heating (Warm Zone)	Pdesign (kW)	3.6	4.2
		Energy Class	A+++	A+++
		SCOP	5.1	5.1
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1
Current Input (A)		Cooling/Heating	1.0-7.7/0.9-8.1	1.1-9.5/1.1-9.3
Power Input (W)		Cooling/Heating	211-1.690/190-1.760	240-2.100/270-2.050
Air Flow Volume (m³/h) (High/Medium/Low)			550/470/360	590/540/480
Noise Level (dB(A))		Indoor unit (Low/Medium/High)	35/41/47	35/41/48
		Outdoor unit	57	56.5
Sound Power Level (db(A))		Indoor unit / Outdoor unit	58/60	58/63
Power Supply Wire Outdoor Unit (No x mm²) / Fuses (A)			3x2.5 / 1x16	3x2.5 / 1x16
Signal Wires (No x mm²)			4x2.5	3x1.5 & (2x1.0 Shield)
Dimensions WxHxD (mm)		Indoor unit	700x600x210	700x600x210
		Outdoor unit	800x554x333	800x554x333
Net Weight (kg)		Indoor unit/Outdoor unit	14.8/34.5	15/35.5
Compressor Type			ROTARY	ROTARY
Liquid Line	Gas Line			1/4"	3/8"	1/4"	1/2"
Operation Temperature Range (°C)		Cooling/Heating	-15~50 / -15~24	-15~50 / -15~24

Consoles

A+++
Energy
Class

ALL DC INVERTER
All DC
Inverter

Central Control
Management (Optional)

Wired Control
(Optional)

Error Alarm
Port

Front Desk Control
(Optional)

2 Optional Air Outlet Ways

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

Quiet Design

The indoor units are designed to offer ideal air conditioning with a low noise level, enjoy the ideal temperature and the silence.

Central Control Management (Optional)

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

Low Ambient Cooling

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

inventor

MODEL			V4MKI-18/U4MRS-18	V4MKI-24/U4MRS-24	V4MKI-36/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 (kW)			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 (kW)			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)	5.3	7.1	10.5
		Energy Class	A++	A++	A++
		SEER	6.5	6.1	6.3
	Heating (Middle Zone)	Pdesign (kW)	4.9	5.8	10.5
		Energy Class	A+	A+	A+
		SCOP	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	5.2	5.6	10.5
		Energy Class	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling/Heating		1.2-10.9/1.2-11.5	1.8-14.4/1.8-14.1	4.2-20.1/3.8-20.4
Power Input (W)	Cooling/Heating		270-2.365/255-2.510	400-3.155/400-3.090	975-4.620/880-4.690
Air Flow Volume (m³/h) (High/Medium/Low)			900/800/700	1.180/1.050/850	2.048/1.767/1.403
Noise Level (dB(A))	Indoor unit (Low/Medium/High)		34/39/44	42/48/53	40/46/52
	Outdoor unit		56.5	60.5	61
Sound Power Level (db(A))	Indoor unit / Outdoor unit		65/64	65/65	66/66
Power Supply Wire Outdoor Unit (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 WxHxD (mm)	Indoor unit		1.068x675x235	1.068x675x235	1.650x675x235
	Outdoor unit		800x554x333	845x702x363	946x810x410
Net Weight (kg)	Indoor unit/Outdoor unit		25.8/35.5	25/49	40.3/67.2
Liquid Line | Gas Line			1/4" | 1/2"	3/8" | 5/8"	3/8" | 5/8"
Refrigerant			R410A/1.780g	R410A/1.950g	R410A/3.200g
Operation Temperature Range (oC)	Cooling/Heating		-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

MODEL			V4MKI-42/U4MRT-42	V4MKI-50/U4MRT-50	V4MKI-60/U4MRT-60
Cooling Capacity (Btu/h)			42.000 (11.000-45.000)	48.000 (14.000-56.000)	54.000 (17.000-61.800)
Cooling Capacity (kW)			12.31 (3.22-13.19)	14.07 (4.10-16.41)	15.82 (4.98-18.11)
Heating Capacity (Btu/h)			44.000 (9.680-47.820)	56.000 (15.000-63.000)	62.000 (18.000-70.000)
Heating Capacity (kW)			12.90 (2.84-14.01)	16.41 (4.40-18.46)	18.17 (5.28-20.51)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	12.01	14.0	16.0
		Energy Class	A++	A++	A++
		SEER	6.1	6.1	6.1
	Heating (Middle Zone)	Pdesign (kW)	11.0	11.8	12.0
		Energy Class	A+	A+	A+
		SCOP	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	11.2	11.6	12.2
		Energy Class	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1
Voltage / Frequency / Phase (V/Hz/Ph)			380/50/3	380/50/3	380/50/3
Current Input (A)	Cooling/Heating		1.8-8.7/1.6-8.6	2.4-10.9/2.5-11.4	2.9-12.0/3.0-12.6
Power Input (W)	Cooling/Heating		1.070-5.070/945-5.000	1.370-6.310/1.465-6.590	1.660-6.965/1.760-7.320
Air Flow Volume (m³/h) (High/Medium/Low)			2.100/1.800/1.400	2.100/1.800/1.400	2.250/1.660/1.280
Noise Level (dB(A))	Indoor unit (Low/Medium/High)		41/48/56	41/48/56	45/50/55
	Outdoor unit		63	65	62.5
Sound Power Level (db(A))	Indoor unit / Outdoor unit		68/71	72/72	70/75
Power Supply Wire Outdoor Unit (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 WxHxD (mm)	Indoor unit		1.650x675x235	1.650x675x235	1.650x675x235
	Outdoor unit		946x810x410	952x1.333x410	952x1.333x410
Net Weight (kg)	Indoor unit/Outdoor unit		40.5/85.3	38.2/108.1	40.5/112.8
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 (oC)	Cooling/Heating		-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

Floor Ceiling

A++	ALL DC INVERTER				
Energy Class	All DC Inverter	Central Control Management (Optional)	Wired Control (Optional)	Error Alarm Port	Front Desk Control (Optional)

Fresh Air
With the fresh air intake, the room's air will always be fresh and healthy. Outside air can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.

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 -15ºC.

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.

inventor

MODEL			V4MDI-12/U4MRS-12	V4MDI-18/U4MRS-18	V4MDI-24/U4MRS-24	V4MDI-36/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 (kW)			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 (kW)			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++
		SEER	6.1	6.5	6.1	6.3
	Heating (Middle Zone)	Pdesign (kW)	3.3	4.7	5.8	10.5
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	3.6	5.0	5.6	10.5
		Energy Class	A+++	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1	5.1
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	230/50/1	230/50/1	230/50/1
Current Input (A)	Cooling/Heating		1.0-7.7/2.3-8.2	1.2-10.80/1.3-11.5	1.8-14.4/1.8-14.1	4.2-20.1/3.8-20.4
Power Input (W)	Cooling/Heating		210-1.690/496-1.790	260-2.365/290-2.510	400-3.155/400-3.090	975-4.620/880-4.690
Air Flow Volume (m³/h) (High/Medium/Low)			680/580/450	1.050/900/780	1.360/1.200/970	1.750/1.500/1.280
External Static Pressure (Pa)			0-45	0-100	0-100	0-100
Noise Level (dB(A))	Indoor unit (Low/Medium/High)		35/38/42	37/40/44	38/42/46	34/38/41
	Outdoor unit		57	56.5	60.5	61
Sound Power Level (db(A))	Indoor unit / Outdoor unit		54/60	58/64	62/65	58/66
Power Supply Wire Outdoor Unit (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 WxHxD (mm)	Indoor unit		700x635x210	920x635x270	920x635x270	1.200x865x300
	Outdoor unit		800x554x333	800x554x333	845x702x363	946x810x410
Net Weight (kg)	Indoor unit/Outdoor unit		18.4/34.5	26.9/35.5	28/49	45/67.2
Liquid Line | Gas Line			1/4" | 3/8"	1/4" | 1/2"	3/8" | 5/8"	3/8" | 5/8"
Refrigerant			R410A/1.380g	R410A/1.780g	R410A/1.950g	R410A/3.200g
Operation Temperature Range (°C)	Cooling/Heating		-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -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)	54.000 (17.000-61.800)
Cooling Capacity (kW)			12.31 (3.22-13.19)	14.07 (4.10-16.41)	15.82 (4.98-18.11)
Heating Capacity (Btu/h)			46.000 (10.000-50.000)	56.000 (14.800-62.700)	62.000 (18.000-70.000)
Heating Capacity (kW)			13.48 (2.93-14.65)	16.41 (4.34-18.37)	18.17 (5.28-20.51)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	12.1	14.0	16.0
		Energy Class	A+	A++	A++
		SEER	5.6	6.1	6.1
	Heating (Middle Zone)	Pdesign (kW)	11.0	12.2	12.3
		Energy Class	A+	A+	A+
		SCOP	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	10.6	11.6	12.3
		Energy Class	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1
Voltage / Frequency / Phase (V/Hz/Ph)			380/50/3	380/50/3	380/50/3
Current Input (A)	Cooling/Heating		1.8-8.7/1.7-9.0	2.4-9.7/2.5-9.7	2.9-12.0/3.0-12.6
Power Input (W)	Cooling/Heating		1.070-5.070/975-5.230	1.370-5.900/1.445-5.900	1.660-6.965/1.760-7.320
Air Flow Volume (m³/h) (High/Medium/Low)			2.200/1.900/1.600	2.500/2.200/1.900	2.500/2.200/1.900
External Static Pressure (Pa)			0-100	0-100	0-100
Noise Level (dB(A))	Indoor unit (Low/Medium/High)		44/47/49	44/47/50	45/47/50
	Outdoor unit		63	65	62.5
Sound Power Level (db(A))	Indoor unit / Outdoor unit		67/71	68/72	69/75
Power Supply Wire Outdoor Unit (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 WxHxD (mm)	Indoor unit		1.200x865x300	1.200x865x300	1.200x865x300
	Outdoor unit		946x810x410	952x1.333x410	952x1.333x410
Net Weight (kg)	Indoor unit/Outdoor unit		43.4/85.3	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/3.650g	R410A/4.000g	R410A/4.300g
Operation Temperature Range (°C)	Cooling/Heating		-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

Ducted

A⁺⁺
Energy
Class

ALL DC INVERTER
All DC
Inverter

Auto Error
Diagnosis

Central Control
Management (Optional)

Error Alarm
Port

Front Desk Control
(Optional)

Two Air Inlet Styles
Choose between the bottom or the rear side for the air intake. It can fit all needs of the installations. Flexible air intake from the back or the bottom part of the unit.

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

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

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

inventor

Floor
Standing

MODEL			V4MFI-24/V4MFO-24	V1MFI-50B/V1MFO-50B	V1MFI-66B/V1MFO-66B	R2FI-50/R2FO-50	RFI-66B/RFO-66B
Cooling Capacity (Btu/h)			24.000 (4.100-28.000)	48.000 (14.400-57.600)	55.000 (16.500-66.000)	42.000	54.592
Cooling Capacity (kWatt)			7.03 (1.2-8.21)	14.07 (4.22-16.88)	16.12 (4.83-19.34)	12.31	16.00
Heating Capacity (Btu/h)			26.000 (5.200-31.000)	50.000(15.000-60.000)+12.000	58.000(17.400-69.600)+12.000	50.000+11.942	61.416+11.942
Heating Capacity (kWatt)			7.62 (1.52-9.09)	14.65(4.39-17.58)+3.5	17.00(5.01-20.40)+3.5	14.65+3.5	18.00+3.5
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	7.0	-	-	-	-
		Energy Class	A++	A	A	D	E
		SEER	6.1	-	-	-	-
	Heating (Middle Zone)	Pdesign (kW)	5.8	-	-	-	-
		Energy Class	A+	B	A	D	D
		SCOP	4.0	-	-	-	-
	Heating (Warm Zone)	Pdesign (kW)	5.5	-	-	-	-
		Energy Class	A+++	-	-	-	-
		SCOP	5.1	-	-	-	-
EER / COP			-	3.28 / 3.51	3.26 / 3.78	2.61 / 2.9	2.5 / 2.9
Voltage / Frequency / Phase (V/Hz/Ph)			230/50/1	380/50/3	380/50/3	380/50/3	380/50/3
Current Input (A)	Cooling		10.19	7.4	8.4	8.03	12.05
	Heating		9.2	7.2	8.2	8.59	12.05
Power Input (W)	Cooling		2.345	4.289	4.949	4.720	6.400
	Heating		2.117	4.174	4.497	5.050	6.200
Air Flow Volume (Hi/Med/Low) (m³/h)			1.230/1.080/978	2.300/2.200/2.050	2.300/2.200/2.050	1.800/1.600/1.400	2.000/1.800/1.600
Noise Level (dB(A))	Indoor unit		43.5/46/49.5	56/58/60	56/58/60	46/48/52	50/53/58
	Outdoor unit		59.5	63	62	59	63
Sound Power Level (db(A))	Indoor unit / Outdoor unit		63/65	-	-	-	-
Power Supply Wire Outdoor Unit (No x mm²) / Fuses (A)			3x2.5 / 1x20	5x4.0 / 3x25	5x4.0 / 3x25	5x2.5 / 3x20	5x4.0 / 3x25
Signal Wires (No x mm²)			3x1.5 & (4x1.0 Shield)	5x2.5 & (4x0.5 Shield)	5x2.5 & (4x0.5 Shield)	5x2.5 & 9x1.5	5x2.5 & 9x1.5
Dimensions WxHxD (mm)	Indoor unit		500x1.700x315	610x1.925x390	610x1.925x390	580x1.870x395	540/1.750/380
	Outdoor unit		845x702x363	938x1.369x392	938x1.369x392	1.032x1.250x412	950X1.250X412
Net Weight (kg)	Indoor unit/Outdoor unit		37.5/48	62/102	63/107	60/105	60/115
Liquid Line / Gas Line			3/8" | 5/8"	3/8" | 5/8"	3/8" | 5/8"	1/2" | 3/4"	1/2" | 3/4"
Refrigerant			R410A/1.950g	R410A/3.800g	R410A/4.600g	R410A/3.200g	R410A/5.000g
Operation Temperature Range (°C)	Cooling/Heating		-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	18~43 / -7~24	18~43 / -7~24

Floor Standing

V4MFI-24

V1MFI-50B
V1MFI-66B

R2FI-50

RFI-66B

Auto Restart
After a power failure, the device will automatically start with the previous settings.

24-Hours Timer
Set the unit to start and stop automatically in a 24h period.

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

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

inventor

Smart AC

WiFi Ready
Control your climate easily from wherever, with your Smartphone or Tablet.

Reliability

A Energy Class
High energy efficiency.

A+ Energy Class
Efficient performance that guarantees, lower energy consumption.

A++ Energy Class
The higher and more efficient performance rating maximizes your energy savings.

A+++ Energy Class
Excellent heating operation for maximum energy saving.

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

All DC Inverter
The fan motors 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 your space.

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.

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

Central Control Management (Optional)
The centralized multi-functional device can control up to 64 indoor units within a maximum connection length of 1200m.

Electronic Expansion Valve Per Circuit
The independent electronic valve of each indoor unit, offers better operating control and efficiency.

Emergency Using
When temperature sensor error happens, the air conditioner will display error code and stop immediately, while AC displays error and continues running in a proper status, to avoid the case that AC is in urgent need.

Error Alarm Port
An indicator of an error code will appear if an error occurs.

Excellent Heating Performance at -25°C
With the special design of the outdoor unit, which includes Chassis Heating Belt & Compressor Heating Belt, excellent heating performance is achieved, extended to -25°C and -15°C increasing the heating capacity by 47%.

Excellent Heating Performance Under -15°C
Excellent heating operation even in -15°C.

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, rain and other corrosive elements.

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.

R32
The new ECO refrigerant, with no impact in the ozone layer and lower global warming impact. R32 has no toxicity, it is a low cost refrigerant and energy efficient.

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

Icons Guide

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

1W StandBy
Power consumption from 1.0W in StandBy mode for higher energy savings.

0.5W StandBy
Power consumption from 0.5W in StandBy mode for higher energy savings.

8°C Heating
Prevent potential weather damages in places that are not heated and pose risks during the winter. Enable the 8°C function and the air conditioner only heats the room as needed while maintaining a stable room temperature of 8°C.

Design

Good Design Award
Passion Pro is the Winner of 2015 Good Design Award competition. The innovative design and the unique structure of Passion Pro were the award winning elements.

Easy Installation
Save 20% time on istallation, due to strong installation plate and cupboard of Passion Pro. Big space for piping/wiring connection & improved wiring terminal.

Easy Clean
50% saving on cleaning time, with Passion Pro easy removable filters, that can be pulled out at the top instead of inside the panel, installation steps are decreased from 9 to 3.

New 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 temperature.

Clean Air

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

Filter Check
Checking if the filter is clean is not necessary anymore with Filter Check (filter control function). The CL indicator will light up on the screen when the filter needs to be cleaned.

Fresh Air
With the fresh air intake, the room's air will always be fresh and healthy. Outside air can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.

High Dencity Air Dust Filter
The exqusite filter optimizes the filtering effect by 40%.

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.

Plasma Ionizer
Effective sterilization kills 80% more bacteria, removes odors and creates air nutrition improvement with more negative oxygen ions.

Powerfull Self-Cleaning
With a touch of a button on the remote control your air conditioner cleans itself! The process only takes 17 minutes. When it is finished, the unit is ready to be used again, clean from bacteria and fungi, providing fresh and clean air.

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

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

Triple Action Filter
Triple Action Filter with Vitamin C, Silver Ion and Cold Catalyst protects your skin and improves the air.

inventor

Comfort

12 Grades Indoor Fan Speeds
Up to 12 grades indoor fan speeds, ensure more accurate control and brings more comfortable air flow.

2 Way Draining
Both left and right sides of the indoor unit are possible for drainage hose connection, easy for installation.

2 Way Draining Connection
The drainage hose can be connected in both left and right side of the console for easy installation.

24-Hours Timer
Set the unit to start and stop automatically in a 24h period.

2 Optional Air Outlet Ways
Choose between the bottom or the top and bottom air outlet. Ideal solution that provides stable room temperature even in the difficult installations.

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.

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.

5 Grades Outdoor Fan Speeds
Due to the DC fan motor, outdoor fan speeds increase from 2 grades to 5 grades, more comfortable and reinforces energy saving.

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 heating operation.

Automatic Operation
After setting the desired temperature, the unit will automatically adjust its operation in order to keep stable the temperature you have set.

Auto Swing
This function refers to the automatic flaps' movement. The automatic operation enables you to manage a distribution of the air in the room.

Auto Swing Louver
Distributes cool/warm air to maximum area by moving horizontal flaps automatically.

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

Central Control
Centralized (for up to 64 indoor units), front desk, touch pad wired controller, wifi and many others.

Compact Design
The unit's design enables it to occupy the minimum possible space inside the room.

Cooling & Heating
Strong enough to cool or heat, up to 23m².

Double Air Outlet
Air outlets on top and bottom to enjoy fast heating, while ensuring running cost are kept low.

External Air Duct Outlet
With the special design of the indoor unit, an extra duct can supply air to an other room. Suitable for air conditioning extra small rooms.

Flexible Installation
Maximum total pipe length up to 75m.

Follow ME
A smart sensor is located on the remote control. When the iFeel function is activated the set temperature synchronizes with the smart sensor.

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

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

Low Noise Level
50dB(A) noise level for comfortable cooling rooms.

Louver Position Memory
Horizontal louver will automatically move to the same position as you set last time when the unit turned on.

Icons Guide

Mute Mode
By pressing mute operation you can turn off the AC beep and display in order to achieve a quite and comfortable sleep.

Omni-Directional Caster
The integrated swivel casters make the portable AC easier to move.

Quiet Design
The indoor units is designed to offer ideal air conditioning with a low noise level enjoy the ideal temperature and the silence.

Quiet Operation
This feature refers to the reduced noise emissions in order to achieve a pleasant and comfortable unit operation.

Self Evaporating System
Innovative system that automatically removes condensed moisture from the unit without manual draining or setting up a hose for continuous drainage.

Sleep Mode
With the Sleep Mode, the airconditioner adjusts the room temperature for perfect sleeping conditions and energy saving.

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

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.

Two Air Inlet Styles
Choose between the bottom or the rear side for the air intake. It can fit all needs of the installations. Flexible air intake from the back or the bottom part of the unit.

Turbo Mode
This function gives you a boost in cooling and heating power for a period and makes the room cool down or heat up rapidly.

Ultra Silence Mode
Activate the Ultra Silence Mode and enjoy an absolute feeling of pure silence in your room.

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) compressor frequency. The frequency range is increased as much as 70%, allowing the system to run smoothly.

inventor

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