



## Residential A/C Units and Appliances

## Welcome to 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!



### 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 our individual client «Your Conditions». Our wide range product 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 of our company! We offer:

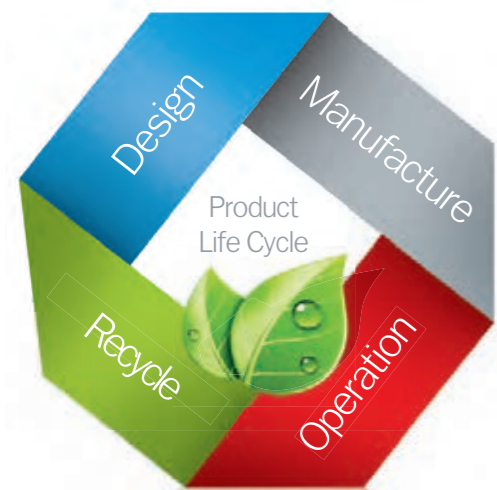
- Innovative top quality products at the most competitive prices
- 5 years warranty of excellent performance
- Unique after sales services
- Products according to specific local demands

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



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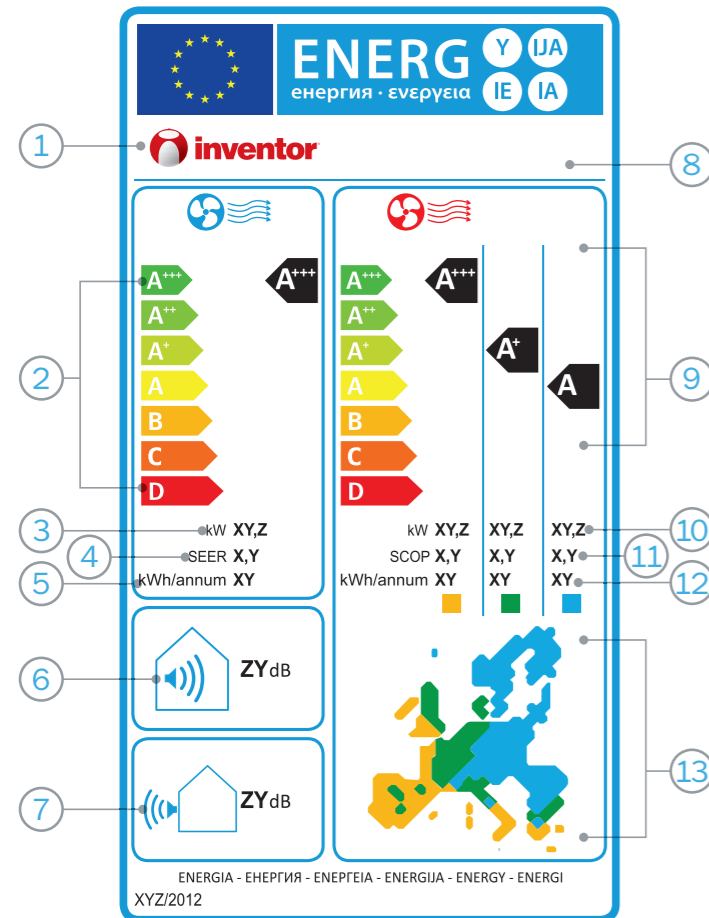


## Eco Design

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



- Brand Name
- Energy classification cooling mode, A+++ the most efficient
- Cooling Capacity
- 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
- Annual power consumption in cooling mode
- Sound Power Level (dB) indoor unit
- Sound Power Level (dB) outdoor unit
- Indoor's and outdoor's units model name
- Energy classification in heating mode\*
- Heating Capacity\*
- 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\*
- Annual power consumption in heating mode\*
- European map divided into 3 climate zones

- Warm zone
- Average zone
- Cold zone

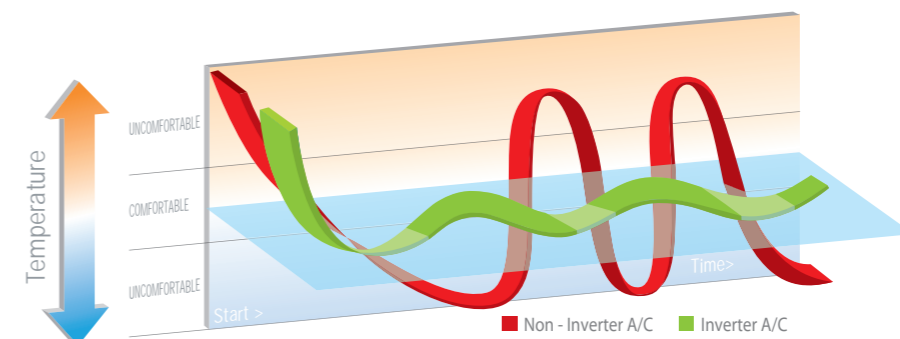
\* Only average climate zone data are obligatory to be written  
 \*\* The new energy label and the eco design are obligatory only for the units up to 12kW

## 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.



- 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







## DC10 Inverter



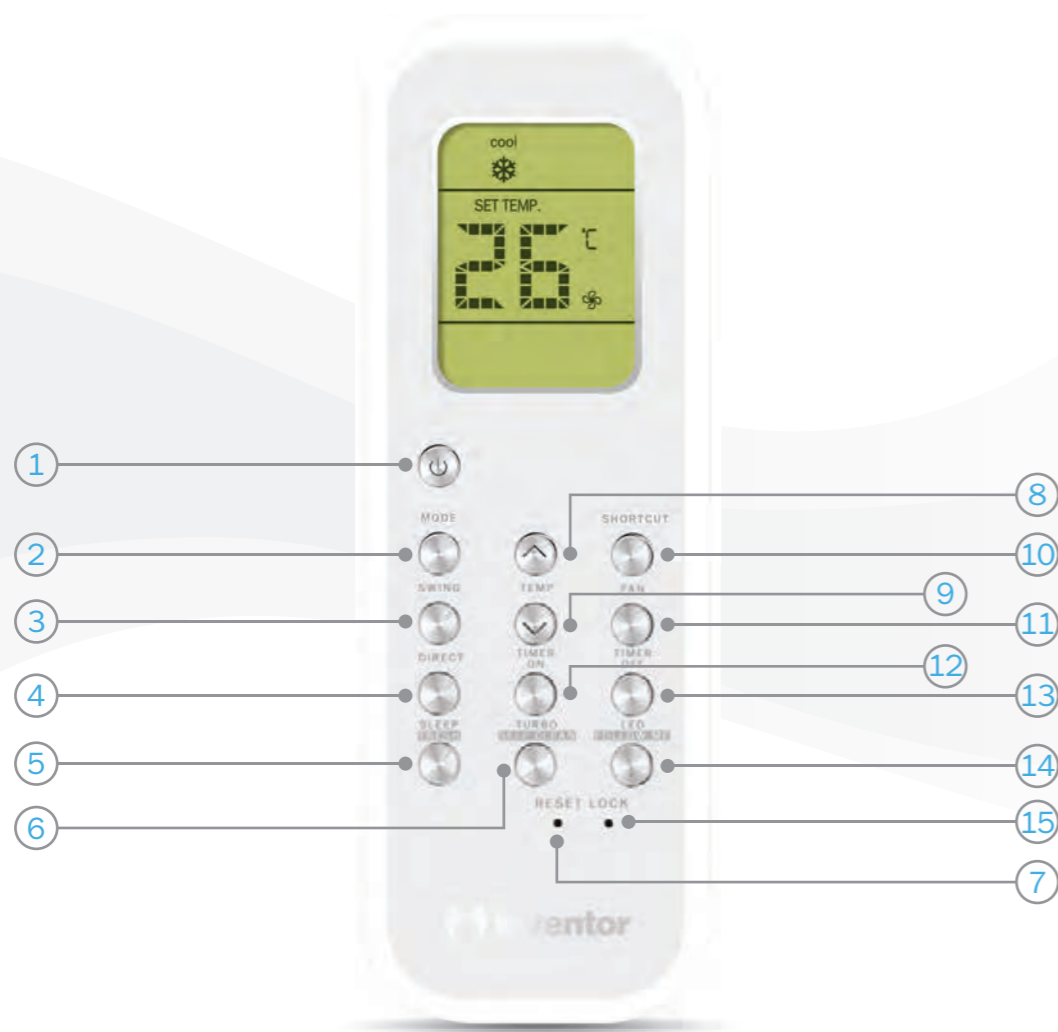
Inventor's top level DC10 inverter technology introduces the quiet, high-performance compressor, with reduced vibrations, less noise and maximum energy saving.

Subjected in more than 1500 tests in the toughest climate conditions the DC10 compressor and motors can operate steadily both in intense cold and extreme heat. DC10 Inverter, offers a wider capacity range, avoids often start-ups and reaches the desired temperature faster. Comfort is DC10 inverter!

## Various Technologies

 <p><b>Intelligent defrost</b> Stable room temperature and energy saving. Defrost is performed only when necessary and lasts as long as it is needed</p>	 <p><b>Self diagnosis</b> Auto error diagnosis makes maintenance easier</p>	 <p><b>1w stand by</b> Power consumption from 0,5-1W in Stand-by mode</p>	 <p><b>Turbo Function</b> To reach the desired indoor temperature quickly</p>	 <p><b>Wide voltage start up</b> Wide voltage start up 170-265V allows units to operate in unstable power supply areas reducing Unit breakdowns</p>	 <p><b>Auto restart</b> Unit restores previous functions after a power loss.</p>
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## 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

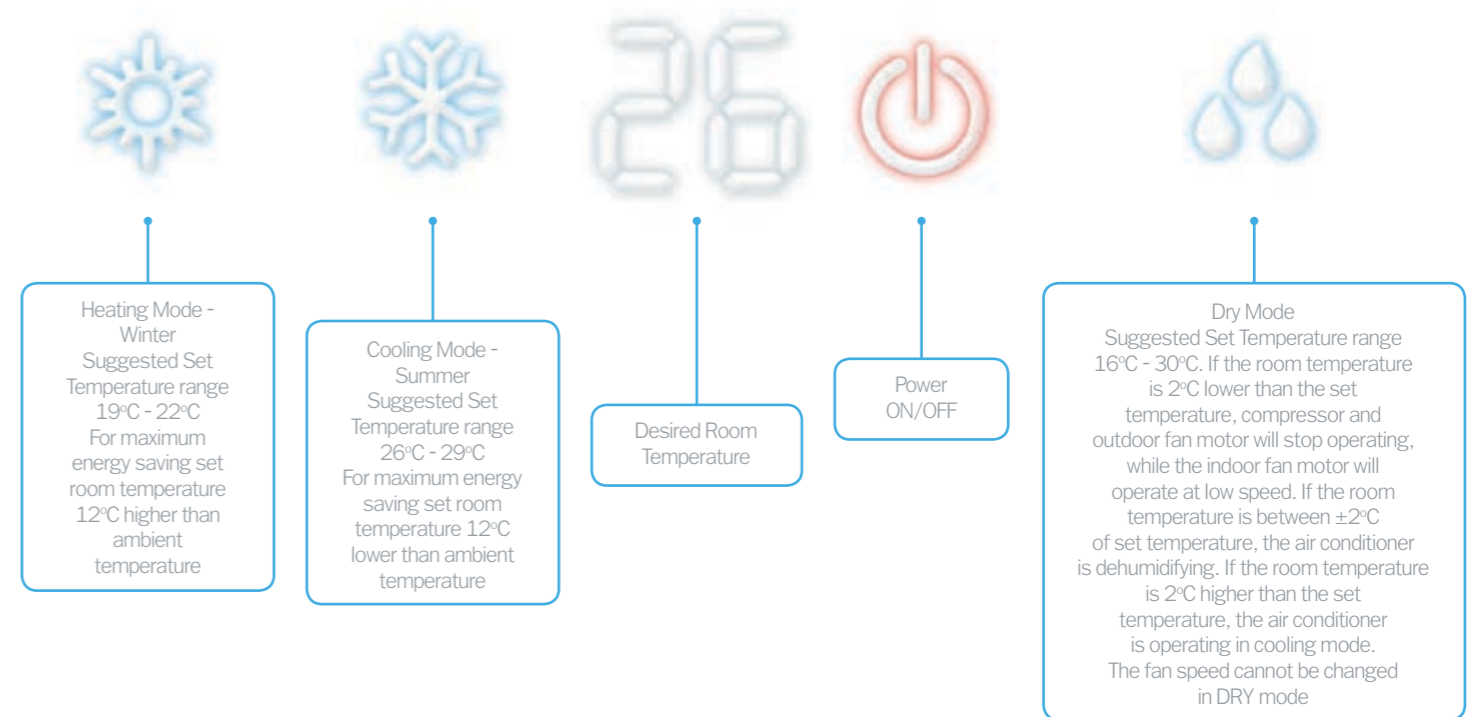
**12. TIMER ON**  
Set timer on, saves energy by switching on your unit the time you need it

**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.



## 2014 CATALOGUE

### 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

Cooling -15°C-50°C / Heating -15°C-30°C

### Cooling Mode in low ambient temperatures -15°C-50°C

### 12 Steps Indoor Fan Speed

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

### 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 saving

### 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

### Ionizer

Generates negative ions, in order to create a safe, healthy and relaxing environment

### 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

### Cold Catalyst Filter

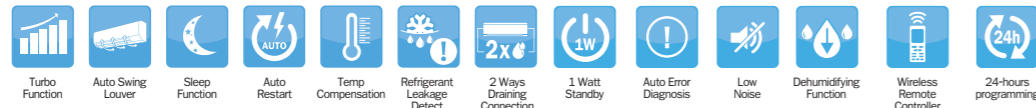
Eliminates formaldehyde and other volatile organic compounds (VOCs) as well as harmful gases and odors

### Back-Lit Display

Can be switched off from the remote controle

With the indoor temperature sensor on the remote control (I FEEL), ionizer and air purifying filters, Passion Series create the perfect indoor environment. A high performance A++, ALL DC Inverter unit for maximum economy in Heating and Cooling. Perfect indoor atmosphere control!

### FEATURES



MODEL		P2MVI-09/P2MV0-09	P2MVI-12/P2MV0-12	P2MVI-18/P2MV0-18	P2MVI-24/P2MV0-24	
Cooling Capacity (Btu/h)		9.000 (4.390-11.250)	12.000 (4.870-15.240)	17.500 (5.800-20.300)	22.000 (7.240-24.640)	
Heating Capacity (Btu/h)		10.000 (3.300-12.700)	13.000 (3.380-16.640)	18.000 (3.820-21.780)	25.000 (4.600-30.000)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.6	3.5	5.1	6.4
		Energy Class	A++	A++	A++	A++
		SEER	6.1	6.7	6.4	6.1
	Heating (Middle Zone)	Pdesign (kW)	2.4	3.2	4.5	5.2
		Energy Class	A+	A+	A+	A+
		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	
Current Input (A)	Cooling	0.49-5.52	0.45-7.47	0.62-9.95	0.74-12.09	
	Heating	0.64-5.78	0.7-7.57	0.78-9.91	1.02-13.65	
Power Input (W)	Cooling	112-1.270	104-1.720	142-2.290	171-2.780	
	Heating	147-1.330	162-1.740	179-2.280	235-3.140	
Air Flow Volume (Hi/Med/Low) (m³/h)		650/560/450	650/560/450	850/620/540	1.150/1.070/880	
Noise Level (dB(A))	Indoor unit (High/Low)	41/29	43/31	44/30	50/39	
	Outdoor unit	57	56	61	60	
Sound Power Level (dB(A))	Indoor unit	54	55	57	62	
	Outdoor unit	60	61	65	67	
Compressor Type		ROTARY	ROTARY	ROTARY	Twin-rotary	
Liquid line / Gas line		1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	
Power Supply Wire Outdoor (Noxmm²) / Fuses (A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	
Signal Wires (mm²)		5x1.5	5x1.5	5x1.5	5x1.5	
Dimensions WxHxD (mm)	Indoor unit	800x275x188	800x275x188	940x275x205	1.045x315x235	
	Outdoor unit	780x540x250	780x540x250	810x558x310	845x700x320	
Net Weight Indoor / Outdoor (kg)		7.5/28	7.5/30.5	9/37	12/47	
Refrigerant		R410A/800g	R410A/1.080g	R410A/1.650g	R410A/1.950g	
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	-15-50	
	Heating	-15-30	-15-30	-15-30	-15-30	



P2MVI



Green product life cycle. Highest Environmental Performance!



Save up to 50% in energy consumption!



Economical and environment friendly operation



Effective air sterilization and odor removal



For superior indoor air quality



Precise temperature control for maximum comfort

5 (five) years Warranty for the compressor and 5 (five) years for the electric/mechanic parts of all air-conditioning units (9.000 - 60.000 Btu/h)



## 2014 CATALOGUE

### 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**  
Cooling -15°C-50°C / Heating -15°C-30°C

**Cooling Mode in low ambient temperatures -15°C-50°C**

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

### 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 saving

### 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

### Auto Restart

Saves the last settings in case of power failure

### Cold Catalyst Filter

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

### Back-Lit Display

Can be switched off from the remote controle

### FEATURES



MODEL		A2MVI-09/A2MVO-09	A2MVI-12/A2MVO-12	A2MVI-18/A2MVO-18	A2MVI-24/A2MVO-24	
Cooling Capacity (Btu/h)		9.000 (4.430-10.980)	12.000 (4.820-14.640)	17.500 (6.500-20.120)	22.000 (7.450-24.200)	
Heating Capacity (Btu/h)		9.500 (3.450-11.780)	12.500 (3.350-15.500)	18.000 (4.350-21.240)	25.000 (5.460-29.500)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.6	3.5	5.1	6.4
		Energy Class	A+	A+	A++	A+
		SEER	5.6	5.6	6.1	5.9
	Heating (Middle Zone)	Annual Power Consumption (kWh/year)	163	219	293	380
		Pdesign (kW)	2.4	2.6	4.8	5.5
		Energy Class	A	A	A	A
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1	
Current Input (A)	Cooling	0.63-5.39	0.6-7.17	0.68-9.87	0.89-11.87	
	Heating	0.76-5.35	0.77-7.04	0.83-9.65	1.27-13.43	
Power Input (W)	Cooling	144-1.240	139-1.650	157-2.270	204-2.730	
	Heating	175-1.230	177-1.620	191-2.220	293-3.090	
Air Flow Volume (Hi/Med/Low) (m³/h)		650/560/450	650/560/450	750/550/480	1.100/970/800	
Noise Level (dB(A))	Indoor unit (High/Low)	40/31	43/31	44/32	50/40	
	Outdoor unit	56	56	59	60	
Sound Power Level (dB(A))	Indoor unit	55	56	56	63	
	Outdoor unit	63	63	65	67	
Compressor Type		ROTARY	ROTARY	ROTARY	Twin-rotary	
Liquid line / Gas line		1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	
Power Supply Wire Outdoor (Noxmm²) / Fuses (A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	
Signal Wires (mm²)		5x1.5	5x1.5	5x1.5	5x1.5	
Dimensions WxHxD (mm)	Indoor unit	800x275x188	800x275x188	940x275x205	1.045x315x235	
	Outdoor unit	780x540x250	780x540x250	760x590x285	845x700x320	
Net Weight Indoor / Outdoor (kg)		7.5/28	7.5/28	9/34.5	12.5 / 47	
Refrigerant		R410A/800g	R410A/950g	R410A/1.250g	R410A/1.950g	
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	-15-50	
	Heating	-15-30	-15-30	-15-30	-15-30	



All DC Inverter, energy class A++ air conditioner with cold catalyst air purifying filter for odor and dust removal. Comfort, Simplicity and Economy!

A2MVI



Green product life cycle. Highest Environmental Performance!



Save up to 50% in energy consumption



Economical and environment friendly operation



For superior indoor air quality

5 (five) years Warranty for the compressor and 5 (five) years for the electric/mechanic parts of all air-conditioning units (9.000 - 60.000 Btu/h)



## 2014 CATALOGUE

### 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

Cooling -15°C-50°C / Heating -15°C-30°C

### Cooling Mode in low ambient temperatures -15°C-50°C

### 12 Steps Indoor Fan Speed

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

### 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 saving

### 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

### Auto Restart

Saves the last settings in case of power failure

### Cold Catalyst Filter

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

### Back-Lit Display

Can be switched off from the remote control

Low Consumption, A++ Air Conditioning unit with advanced All DC Inverter technology that allows continuous adjustment and control of the frequency of the compressor and the fan motors. Maximum economy and great efficiency.

### FEATURES



MODEL		M2MVI-09/M2MVO-09	M2MVI-12/M2MVO-12	M2MVI-18/M2MVO-18	M2MVI-24/M2MVO-24	
Cooling Capacity (Btu/h)		9.000 (4.430-10.980)	12.000 (4.820-14.640)	17.500 (6.500-20.120)	22.000 (7.450-24.200)	
Heating Capacity (Btu/h)		9.500 (3.450-11.780)	12.500 (3.350-15.500)	18.000 (4.350-21.240)	25.000 (5.460-29.500)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.6	3.5	5.1	6.4
		Energy Class	A+	A+	A++	A+
		SEER	5.6	5.6	6.1	5.9
	Heating (Middle Zone)	Annual Power Consumption (kWh/year)	163	219	293	380
		Pdesign (kW)	2.4	2.6	4.8	5.5
		Energy Class	A	A	A	A
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1	
Current Input (A)	Cooling	0.63-5.39	0.6-7.17	0.68-9.87	0.89-11.87	
	Heating	0.76-5.35	0.77-7.04	0.83-9.65	1.27-13.43	
Power Input (W)	Cooling	144-1.240	139-1.650	157-2.270	204-2.730	
	Heating	175-1.230	177-1.620	191-2.220	293-3.090	
Air Flow Volume (Hi/Med/Low) (m³/h)		650/560/450	650/560/450	750/550/480	1.100/970/800	
Noise Level (dB(A))	Indoor unit (High/Low)	40/31	43/31	44/32	50/40	
	Outdoor unit	56	56	59	60	
Sound Power Level (dB(A))	Indoor unit	55	56	56	63	
	Outdoor unit	63	63	65	67	
Compressor Type		ROTARY	ROTARY	ROTARY	Twin-rotary	
Liquid line / Gas line		1/4"/3/8"	1/4"/3/8"	1/4"/1/2"	3/8"/5/8"	
Power Supply Wire Outdoor (Noxmm²) / Fuses (A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	
Signal Wires (mm²)		5x1.5	5x1.5	5x1.5	5x1.5	
Dimensions WxHxD (mm)	Indoor unit	800x275x188	800x275x188	940x275x205	1.045x315x235	
	Outdoor unit	780x540x250	780x540x250	760x590x285	845x700x320	
Net Weight Indoor / Outdoor (kg)		7.5/28	7.5/28	9/34.5	12.5 / 47	
Refrigerant		R410A/800g	R410A/950g	R410A/1.250g	R410A/1.950g	
Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	-15-50	
	Heating	-15-30	-15-30	-15-30	-15-30	



M2MVI



Green product life cycle. Highest Environmental Performance!



Save up to 50% in energy consumption



Economical and environment friendly operation



For superior indoor air quality

5 (five) years Warranty for the compressor and 5 (five) years for the electric/mechanic parts of all air-conditioning units (9.000 - 60.000 Btu/h)



## 2014 CATALOGUE

### Top level DC10 Inverter technology

Offers a wider capacity range, avoids often start-ups and reaches the desired temperature faster. A high performance compressor, almost silent with reduced vibrations, for maximum energy saving and greater comfort levels

### Blow/X-fan function

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

### Low voltage Start up

For minimum power consumption

### Automatic voltage adaptation

For greater unit stability and durability (150V-260V)

### Lower power consumption and higher efficiency

Due to the New Defrost function

### Steady operation

In extreme outdoor conditions without efficiency loss

### 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 mode

For ideal indoor environment

### LED Display

Can be switched off from the remote controle

Eco design A++ Mat Panel Air Conditioning unit for maximum performance in Heating and Cooling  
The advanced DC 10 Inverter controls the speed of the compressor even in low frequencies to allow continuously regulated temperature

### FEATURES



MODEL		B2VI-09 / B2V0-09	B2VI-12 / B2V0-12	B2VI-18 / B2V0-18	B2VI-24 / B2V0-24	
Cooling Capacity (Btu/h)		9.212 (1.877-10.918)	11.942 (1.740-13.307)	17.998 (4.299-22.519)	22.007 (8.632-22.349)	
Heating Capacity (Btu/h)		9.554 (2.730-12.283)	13.648 (3.003-15.013)	19.790 (3.821-23.202)	23.884 (8.632-25.931)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.7	3.5	5.2	6.4
		Energy Class	A+	A++	A+	A
		SEER	5.6	6.1	5.6	5.1
	Heating (Middle Zone)	Pdesign (kW)	2.8	3.2	4.5	5.8
		Energy Class	A	A+	A	A
		SCOP	3.8	4.0	3.8	3.8
Annual Power Consumption (kWh/year)		1.032	1.120	1.658	2.137	
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1	
Current Input (A)	Cooling	3.8	5.2	7.2	9.7	
	Heating	3.92	5.3	7.8	9.8	
Power Input (W)	Cooling	870 (250-1.360)	1.170 (230-1.400)	1.625 (380-2.650)	2.180 (600-2.200)	
	Heating	900 (200-1.400)	1.200 (250-1.450)	1.760 (350-2.650)	2.220 (600-2.800)	
Air Flow Volume (Hi/Med/Low) (m³/h)		300 - 600	300 - 580	550 - 850	550 - 1.000	
Noise Level (dB(A))	Indoor unit (High/Low)	28 / 39	36 / 40	35 / 43	39 / 47	
	Outdoor unit	51	53	56	58	
Sound Power Level (dB(A))	Indoor unit	54	54	58	63	
	Outdoor unit	63	63	63	68	
Compressor Type		Rotary	Rotary	Rotary	Rotary	
Liquid line / Gas line		1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 5/8"	
Power Supply Wire Indoor unit (Noxmm²) / Fuses (A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	
Signal Wires (mm²)		4x1.5	4x1.5	4x1.5	4x1.5	
Dimensions WxHxD (mm)	Indoor unit	845x275x180	845x275x180	940x298x200	1.007x315x219	
	Outdoor unit	776x540x320	776x540x320	955x700x396	980x790x427	
Net Weight Indoor / Outdoor (kg)		9 / 28	9 / 29	13 / 45	14 / 60	
Refrigerant		R410A / 700g	R410A / 850g	R410A / 1.350g	R410A / 1.800g	
Operation Temperature Range (°C)	Cooling	18-43	18-43	18-43	18-43	
	Heating	-7-24	-7-24	-7-24	-7-24	



B2VI



Green product life cycle. Highest Environmental Performance!



Lower power consumption, higher performance, great comfort levels silently



Economical and environment friendly operation

5 (five) years Warranty for the compressor and 5 (five) years for the electric/mechanic parts of all air-conditioning units (9.000 - 60.000 Btu/h)





## 2014 CATALOGUE

### Top level DC10 Inverter technology

Offers a wider capacity range, avoids often start-ups and reaches the desired temperature faster. A high performance compressor, almost silent with reduced vibrations, for maximum energy saving and greater comfort levels

### Blow/X-fan function

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

### Low voltage Start up

For minimum power consumption

### Automatic voltage adaptation

For greater unit stability and durability (150V-260V)

### Lower power consumption and higher efficiency

Due to the New Defrost function

### Steady operation

In extreme outdoor conditions without efficiency loss

### 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 mode

For ideal indoor environment

### LED Display

Can be switched off from the remote controle

Innovative, energy class A++, DC 10 Inverter Unit for maximum comfort levels efficiently and economically. Excellent performance in extreme weather conditions with lower noise levels

### FEATURES



MODEL		C2VI-09 / C2V0-09	C2VI-12 / C2V0-12	C2VI-18 / C2V0-18	C2VI-24 / C2V0-24	
Cooling Capacity (Btu/h)		9.212 (1.877-10.918)	11.942 (1.740-13.307)	17.998 (4.299-22.519)	22.007 (8.632-22.349)	
Heating Capacity (Btu/h)		9.554 (2.730-12.283)	13.648 (3.003-15.013)	19.790 (3.821-23.202)	23.884 (8.632-25.931)	
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	2.7	3.5	5.2	6.4
		Energy Class	A+	A++	A+	A
		SEER	5.6	6.1	5.6	5.1
	Heating (Middle Zone)	Annual Power Consumption (kWh/year)	168	201	325	439
		Pdesign (kW)	2.8	3.2	4.5	5.8
		Energy Class	A	A+	A	A
Voltage / Frequency / Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1	
Current Input (A)	Cooling	3.8	5.2	7.2	9.7	
	Heating	3.92	5.3	7.8	9.8	
Power Input (W)	Cooling	870 (250-1.360)	1.170 (230-1.400)	1.625 (380-2.650)	2.180 (600-2.200)	
	Heating	900 (200-1.400)	1.200 (250-1.450)	1.760 (350-2.650)	2.220 (600-2.800)	
Air Flow Volume (Hi/Med/Low) (m³/h)		300 - 600	300 - 580	550 - 850	550 - 1.000	
Noise Level (dB(A))	Indoor unit (High/Low)	28 / 39	36 / 40	35 / 43	39 / 47	
	Outdoor unit	51	53	56	58	
Sound Power Level (dB(A))	Indoor unit	54	54	58	63	
	Outdoor unit	63	63	63	68	
Compressor Type		Rotary	Rotary	Rotary	Rotary	
Liquid line / Gas line		1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	1/4" / 5/8"	
Power Supply Wire Indoor unit (Noxmm²) / Fuses (A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	
Signal Wires (mm²)		4x1.5	4x1.5	4x1.5	4x1.5	
Dimensions WxHxD (mm)	Indoor unit	845x275x180	845x275x180	940x298x200	1.007x315x219	
	Outdoor unit	776x540x320	776x540x320	955x700x396	980x790x427	
Net Weight Indoor / Outdoor (kg)		9 / 28	9 / 29	13 / 45	14 / 60	
Refrigerant		R410A / 700g	R410A / 850g	R410A / 1.350g	R410A / 1.800g	
Operation Temperature Range (°C)	Cooling	18-43	18-43	18-43	18-43	
	Heating	-7-24	-7-24	-7-24	-7-24	



C2VI



Green product life cycle. Highest Environmental Performance



Lower power consumption, higher performance, great comfort levels silently



Economical and environment friendly operation

5 (five) years Warranty for the compressor and 5 (five) years for the electric/mechanic parts of all air-conditioning units (9.000 - 60.000 Btu/h)



## Extreme performance!

MODEL	V1MFI-50B / V1MFO-50B	V1MFI-66B / V1MFO-66B
Cooling Capacity (Btu/h)	48.000 (14.400-57.600)	55.000 (16.500-66.000)
Heating Capacity (Btu/h)	50.000 (15.000-60.000) +12.000	58.000 (17.400-69.600) +12.000
Voltage / Frequency / Phase (V/Hz/Ph)	380/50/3	380/50/3
Rated Current Cooling/Heating (A)	7.4 / 7.2	8.4 / 8.2
Power Input Cooling/Heating (W)	4.289 / 4.174	4.944 / 4.497
EER/COP	3.28 / 3.51	3.26 / 3.78
Air flow (m³/h)	2.300	2.300
Speeds	3	3
Noise level Indoor unit (High/Low) (dB(A))	60/57	60/57
Noise level Outdoor (dB(A))	63	62
Power Supply Wire Outdoor (Noxmm²)	5x4	5x4
Fuses (A)	3x25	3x25
Power Supply Wire Indoor (Noxmm²)	5x2.5	5x2.5
Signal Wires (mm²)	4x0.5	4x0.5
Dimensions WxHxD (mm) Indoor unit (mm)	610x1.925x390	610x1.925x390
Dimensions WxHxD (mm) Outdoor unit (mm)	938x1.369x392	938x1.369x392
Net Weight Indoor / Outdoor (kg)	62 / 102	63 / 107
Liquid line / Gas line	3/8" / 5/8"	3/8" / 5/8"
Refrigerant	R410A / 3.800g	R410A / 4.600g
Operation Temperature Range (°C)	Cooling	-15-50
	Heating	-15-24



**Advanced DC Inverter technology**  
Energy saving and higher comfort levels

**Plug-in electric heater**  
For higher efficiency in heating

**Steady operation**  
In extreme outdoor conditions without efficiency loss

**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 mode function**  
For ideal indoor environment

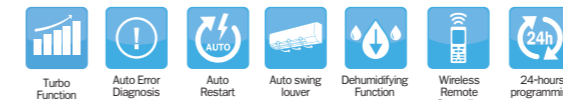
High air flow

MITSUBISHI compressor

LCD display



### FEATURES



V1MFI, RMF-50



## Your professional partner!

MODEL	RMFI-50 / RMFO-50	R1FI-50B / R1FO-50B	RMFI-66 / RMFO-66	RFI-66B / RFO-66B
Cooling Capacity (Btu/h)	42.000	42.000	53.500	54.592
Heating Capacity (Btu/h)	49.000 +11.942	44.356 + 11.942	56.500 + 11.942	61.416 + 11.942
Voltage / Frequency / Phase (V/Hz/Ph)	380/50/3	380/50/3	380/50/3	380/50/3
Rated Current Cooling/Heating (A)	8.5 / 8.7	10.6 / 8.8	10.5 / 9.8	12.1 / 12.0
Power Input Cooling/Heating (W)	5.100 / 5.200	5.100 / 5.000	6.200 / 5.700	6.400 / 6.200
EER/COP	2.41 / 2.76	2.40 / 2.60	2.53 / 2.91	2.50 / 2.90
Air flow (m³/h)	1.750	1.600	2.200	2.000
Speeds	3	4	3	3
Noise level Indoor unit (High/Low) (dB(A))	54/50	41 / 50	59/55	50/58
Noise level Outdoor (dB(A))	62	59	62	63
Power Supply Wire Outdoor (Noxmm²)	-	5x4	5x4	5x4
Fuses (A)	-	3x20	3x20	3x20
Power Supply Wire Indoor (Noxmm²)	5x4/3x16	-	-	5x2.5/5x1.5
Signal Wires (mm²)	5x2.5 & 3x1 shield	5x2.5 & 5x1.5 & 4x1	5x2.5 & 5x1 shield	4x1/5x1.5
Dimensions WxHxD (mm) Indoor unit (mm)	550x1.800x350	540x1.825x380	600x1.900x358	540x1.750x380
Dimensions WxHxD (mm) Outdoor unit (mm)	900x1.170x350	950x1.250x412	900x1.170x350	950x1.250x412
Net Weight Indoor / Outdoor (kg)	50 / 97	53 / 112	65 / 96	60/115
Liquid line / Gas line	1/2" / 3/4"	1/2" / 3/4"	1/2" / 3/4"	1/2" / 3/4"
Refrigerant	R410A / 3.300g	R410A / 4.100g	R410A / 3.200g	R410A / 5.000g
Operation Temperature Range (°C)	Cooling	18-43	18-43	18-43
	Heating	-7-24	-7-24	-7-24



**Lower power consumption and higher efficiency**  
Due to the New Defrost function

**Plug-in electric heater**  
For higher efficiency in heating

**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 mode function**  
For ideal indoor environment

High air flow

SANYO compressor

LCD display

**Full protection**  
From phase reverse, overload and high/low refrigerant pressure

### FEATURES



R1FI

RFI

RMFI-66

5 (five) years Warranty for the compressor and 5 (five) years for the electric/mechanic parts of all air-conditioning units (9.000 - 60.000 Btu/h)



## Four Stars Freezers

Energy Class A+ Freezers for maximum efficiency

Chest Freezers



INVMCF



Energy Class A+ for maximum Energy Saving

White color

4 stars Freezer (\*\*\*\*)

Environmental Friendly Refrigerant R600a

Autonomy in case of power failure  
36.2 hours (99L) / 43.5 hours (142L)

Adjustable Thermostat

Climate Class ST for proper operation in Temperature Range from +10 °C up to +43 °C

Low Noise Level

Annual Energy Consumption  
168kWh (99L) / 190kWh (142L)

MODEL	INVMCF99A	INVMCF142A
Climate Class	N/SN/ST/T	N/SN/ST/T
Protection Against Electric Shock	I	I
Rated Voltage/Frequency (V / Hz)	220V-240/50	220V-240/50
Rated Power(W)	80	85
Rated Current(A)	0.5	0.4
Daily Energy Consumption(kWh/24h)	0.46	0.52
Energy Class	A+	A+
Noise Level (dB(A))	42	42
Freezing Capacity(kg/24h)	4.5	6.5
Total Storage Volume(L)	99	142
Net Weight(kg)	27	30
Gross Weight(kg)	30	33
Dimensions(mm)(WxDxH)	565x523x850	730x523x850
Packing Dimensions(mm)(WxDxH)	605x545x885	770x545x885
Refrigerant	R600a/38g	R600a/56g

## Energy Class A+ Refrigerators

Low energy Consumption, Compact and Modern Inox Design



INVMS210



INVMS93A



INVMS45A

Fresh Life



Energy Class A+ for maximum Energy Saving

Modern Design in Silver color

4 stars Freezer (\*\*\*\*)  
(210)

Environmental Friendly Refrigerant R600a

Adjustable feet

Low Noise Level

Adjustable Thermostat

Ability of swapping the door right and left

Interior light (210)

Annual Energy Consumption  
110kWh (45A) / 110kWh (93A) / 216kWh (210)

Climate Class ST/N for proper operation in Temperature Range from +16 °C up to +38 °C

MODEL	INVMS45A	INVMS93A	INVMS210
Climate Class	ST/N	ST/N	ST/N
Protection Against Electric Shock	I	I	I
Rated Voltage/Frequency (V / Hz)	220V-240/50	220V-240/50	220V-240V/50
Rated Power(W)	64	65	80
Rated Current(A)	0.5	0.31	0.5
Daily Energy Consumption(kWh/24h)	0.3	0.30	0.47
Energy Class	A+	A+	A+
Noise Level (dB(A))	45	42	40
Freezing Capacity(kg/24h)	-	-	-
Total Storage Volume(L)	45	93	210
Net Weight(kg)	14	19.8	40
Gross Weight(kg)	16	22	45
Dimensions(mm)(WxDxH)	472x450x492	472x450x860	550x550x1.430
Packing Dimensions(mm)(WxDxH)	520x465x520	520x465x885	580x580x1.462
Refrigerant	R600a/16g	R600a/20g	R600a/47g

### Free Match Units

Flexibility, economy and comfort  
with environment friendly operation

Outdoor units from  
18.000 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°



### Energy saving and comfort

Silent operation and low power consumption due to the advanced All DC Inverter technology. High efficiency with A++ Energy Class

### Space Saving

Capability of up to 5 connections to 1 outdoor unit to reduce space requirements. Each indoor unit can operate independently. Flexibility with lower installation costs and high performance

### Flexibility

Maximum pipe length up to 75m and height difference up to 15m. Simple and flexible installation



Find the Multi Split Free Match Inventor range in the 2014 «Light Commercial A/C Units» Catalogue

5 (five) years Warranty for the compressor and 5 (five) years for the electric/mechanic parts of all air-conditioning units (9.000 - 60.000 Btu/h)





## Dehumidifier

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

Quality of life



### 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

Visit our website and enjoy the Inventor Experience

[www.inventorairconditioner.com](http://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  
Outdoor temperature: 35°C DB/24°C WB

HEATING: Room temperature: 20°C DB/15°C WB  
Outdoor temperature: 7°C DB/6°C WB