The **NAME** in air conditioning

Multi & LCAC Catalogue
2018

inventor®
Discover Technology.

The **NAME** in air conditioning has...

Wi-Fi Ready

The advanced technology of the new Inventor Multi & LCAC air conditioning systems, provide the option of remote management & allows you to set your air conditioner easily from wherever you are. Install the Wi-Fi Smart Port, download for free the Invmate II application through Google Play & App Store on your Smartphone or Tablet and create ideal conditions all over your place.

R32 ECO Refrigerant

The R32 ECO Refrigerant with 68% lower global warming potential, is here to significantly enhance your air conditioner's performance and to drastically contribute to global warming protection. R32 is the main selection criteria as:

- ✓ it does not adversely affect the ozone layer
- ✓ contributes in reducing global warming effect by entrapping smaller amounts of heat (GWP = 675)
- ✓ can be easily reused and recycled

5 Years Warranty

Golden Fin

The ultimate protection in the indoor & outdoor units, provides anti-corrosive protection:

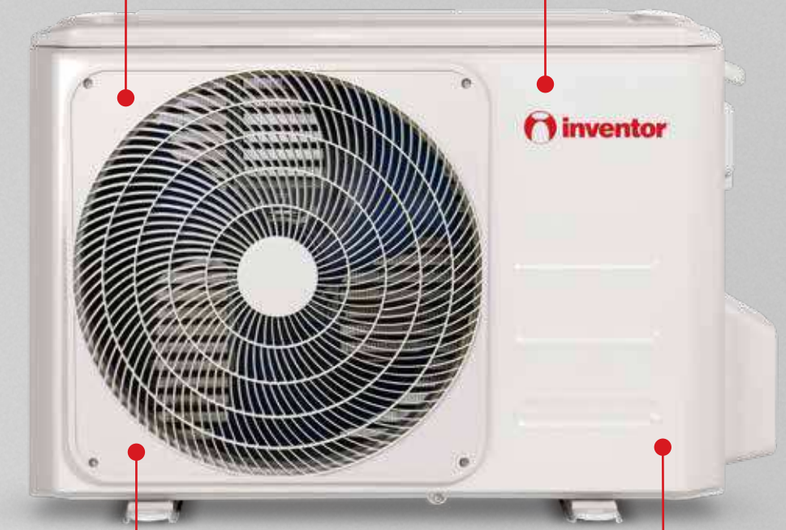
- ✓ extending the lifeline of the air conditioner and improving the air quality in your place
- ✓ maximizing the endurance of the outdoor unit against corrosive elements such as salty air and rain, ensuring advanced protection and performance
- ✓ reinforcing the efficiency in heating by accelerating the defrosting process
- ✓ preventing the bacteria generation and spread, allowing you to enjoy a perfectly clean and healthy atmosphere

Multi Split Systems

Air Conditioning systems that offer flexibility, maximum energy savings and high performance to satisfy even the most demanding users. Connect up to 5 indoor units with one external and create the ideal conditions you were always wanted!

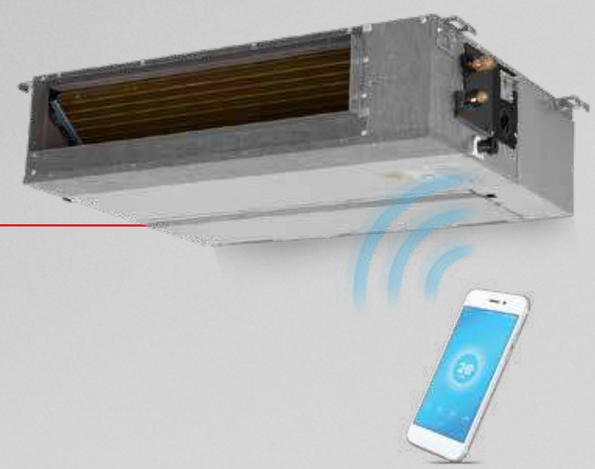
5 YEARS WARRANTY Classic

Wall Mounted
with Hotel Menu



Consoles
with Quiet Operation

Cassettes
with 360° Air Outlet



Duct
with Wi-Fi Control

Golden Fin

Wide Range of Combinations

Energy Class | All DC Inverter | Robust Outdoor Design | Quiet Operation | Electronic expansion valve per circuit | Flexible Installation | Wide Operation Range | Low Ambient Cooling

MODEL			U5MRSL32(2)-18	U5MRSL32(3)-27	U5MRSL32(4)-36	U5MRSL32(5)-42
Cooling Capacity (Btu/h)			18.000 (4.879-21.973)	27.000 (5.390-29.650)	36.000 (5.390-46.573)	42.000 (5.664-47.768)
Cooling Capacity (kWatt)			5.27 (1.43-6.44)	7.91 (1.58-8.69)	10.55 (1.58-13.65)	12.31 (1.66-14.00)
Heating Capacity (Btu/h)			19.000 (5.323-23.202)	28.000 (5.596-30.776)	36.000 (5.698-45.448)	42.000 (5.664-50.975)
Heating Capacity (kWatt)			5.57 (1.56-6.80)	8.21 (1.64-9.02)	10.55 (1.67-13.32)	12.31 (1.66-14.94)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	5.2	7.9	10.5	12.3
		Energy Class	A+	A++	A++	A+
		SEER	5.8	6.2	6.1	5.8
	Heating (Middle Zone)	Pdesign (kW)	4.5	5.2	8.4	9.4
		Energy Class	A	A+	A+	A
		SCOP	3.8	4.0	4.0	3.8
	Heating (Warm Zone)	Pdesign (kW)	5.0	6.3	9.3	10.1
		Energy Class	A+	A+++	A+++	A+++
		SCOP	5.3	5.2	5.4	5.2
Cooling Input/ Heating Input (V/Hz/Ph)			220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Indoor Number of Units (Min. – Max)			1-2	1-3	1-4	1-5
Noise Level (dB(A))			56	59	63	62
Sound Power Level (dB(A))			63	65	68	71
Dimensions WxDxH (mm)			800x333x554	845x363x702	946x410x810	946x410x810
Net Weight (kg)			36.0	53.0	68.8	73.3
Compressor Type			ROTARY	ROTARY	ROTARY	ROTARY
Liquid Line | Gas Line			2 x (1/4" | 3/8")	3 x (1/4" | 3/8")	3 x (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 / 1x16	3x2.5 / 1x20	3x4.0 / 1x25	3x4.0 / 1x25
Refrigerant (gr)			R32 / 1.300	R32 / 1.570	R32 / 2.100	R32 / 2.400
Maximum Pipe Length (m)		Total	40	60	80	80
		For one Indoor Unit	25	30	35	35
Max. Height Difference Between Indoor and Outdoor Unit (m)			15	15	15	15
Max. Height Difference Between Indoor Units (m)			10	10	10	10
Operation Temperature Range (°C) Cooling / Heating			-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

*The data of "Pdesing", "Energy Class" and "SEER/SCOP" in Cooling, Heating (Middle Zone) & Heating (Warm Zone), refer to the outdoor units combination with Cassette type indoor units.

R32 CE ISO 9001 ISO 14001 RoHS

5 YEARS WARRANTY Classic

R32 ECO Refrigerant

The R32 ECO Refrigerant with 68% lower global warming potential, is here to significantly enhance your air conditioner performance and to drastically contribute to global warming protection. It does not adversely affect the ozone layer, contributes in reducing global warming effect by entrapping smaller amounts of heat (GWP = 675) and can be easily reused and recycled.

Double Air Outlet

Active Carbon Filters

R32 ECO Refrigerant | Hotel Menu | Smart Controller | Temperature Sensor Offset | Fan On/Off Switch | Golden Fin | Auto Restart | Auto Error Diagnosis

MODEL		LV5MLI32-12
Cooling Capacity (Btu/h)		12.000 (2.100-15.000)
Cooling Capacity (kWatt)		3.52 (0.61-4.40)
Heating Capacity (Btu/h)		13.000 (2.100-16.900)
Heating Capacity (kWatt)		3.81 (0.61-4.95)
Voltage/Frequency/Phase (V/Hz/Ph)		220-240/50/1
Current Input (A)	Cooling	0.4
	Heating	0.4
Power Input (W)	Cooling	70
	Heating	70
Air Flow Volume (m³/h) (High/Medium/Low)		512/480/370
Noise Level (dB(A)) (Low/Medium/High)		35/41.5/43
Sound Power Level (dB(A))		57
Dimensions WxDxH (mm)		700×600×210
Net Weight (kg)		15
Liquid Line|Gas Line		1/4" | 3/8"

R32 CE ISO9001 ISO14001 RoHS

5 YEARS WARRANTY Classic

Quiet Operation

Due to the new fan's design of the indoor unit, you enjoy ideal conditions with the lowest noise level. Reduced noise emissions in order to achieve a pleasant and comfortable unit operation.

Wi-Fi Standard

Ionizer Filter

4 Way Air Flow | Follow Me | Sleep Mode | Turbo Mode | Golden Fin | Smart Controller | Excellent Heating Performance Under -15°C | Auto Error Diagnosis

MODEL		AR2MVI-09WiFi	AR2MVI-12WiFi	AR2MVI-18WiFi	AR2MVI-24WiFi
Cooling Capacity (Btu/h)		9.000 (4.200-11.300)	12.000 (4.700-15.400)	18.000 (6.300-21.100)	24.000 (9.100-27.600)
Cooling Capacity (kWatt)		2.63 (1.23-3.31)	3.51 (1.37-4.51)	5.27 (1.84-6.18)	7.03 (2.66-8.08)
Heating Capacity (Btu/h)		10.000 (3.100-12.800)	13.000 (3.700-16.800)	20.000 (4.700-23.200)	27.000 (7.500-31.700)
Heating Capacity (kWatt)		2.93 (0.90-3.75)	3.81 (1.08-4.92)	5.86 (1.37-6.79)	7.91 (2.19-9.29)
Voltage/Frequency/Phase (V/Hz/Ph)		220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Current Input (A)	**Cooling**	0.11	0.11	0.15	0.28
	Heating	0.11	0.11	0.15	0.28
Power Input (W)	**Cooling**	24	24	34	62
	Heating	24	24	34	62
Air Flow Volume (m^3/h) (High/Medium/Low)		521/429/259	539/478/294	750/505/420	1.050/750/560
Noise Level (dB(A)) (Silent/Low/Medium/High)		20/22/29/37	21/22/30/38	23/27/33/42	26/30/40/46
Sound Power Level (dB(A))		53	52	57	60
Dimensions WxDxH (mm)		722x187x290	802x189x297	965x215x319	1.080x226x335
Net Weight (kg)		7.4	8.2	10.8	12.9
Liquid Line|Gas Line		1/4" | 3/8"	1/4" | 3/8"	1/4" | 1/2"	3/8" | 5/8"

R32 CE ISO 9001 ISO 14001 RoHS

inventor

5 YEARS WARRANTY Classic

HM

Hotel Menu

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

Fresh Air Intake

Wi-Fi Ready

External Air Duct Outlet | Hotel Menu | Error Alarm Port | Golden Fin | Smart Controller | Built-in Drain Pump | Weekly Planner Controller | Front Desk Control On/Off (Optional)

MODEL		LV5MCI32-12WiFiR	LV5MCI32-18WiFiR
Cooling Capacity (Btu/h)		12.000 (2.100-15.000)	18.000 (3.070-22.500)
Cooling Capacity (kWatt)		3.52 (0.61-4.40)	5.27 (0.90-6.60)
Heating Capacity (Btu/h)		13.000 (2.100-17.500)	19.000 (3.070-25.200)
Heating Capacity (kWatt)		3.81 (0.62-5.13)	5.57 (0.90-7.39)
Voltage/Frequency/Phase (V/Hz/Ph)		220-240/50/1	220-240/50/1
Current Input (A)	Cooling	0.18	0.44
	Heating	0.18	0.44
Power Input (W)	Cooling	40	102
	Heating	40	102
Air Flow Volume (m^3/h) (High/Medium/Low)		650/530/450	680/560/500
Noise Level (dB(A)) (Low/Medium/High)		34/38/42	41/42/44
Sound Power Level (dB(A))		56	56
Dimensions WxDxH (mm)	Panel	647x647x50	647x647x50
	Indoor	570x570x260	570x570x260
Net Weight (kg)	Panel	2.5	2.5
	Indoor	14.4	16.1
Liquid Line | Gas Line		1/4" | 3/8"	1/4" | 1/2"

R32 CE ISO 9001 ISO 14001 RoHS

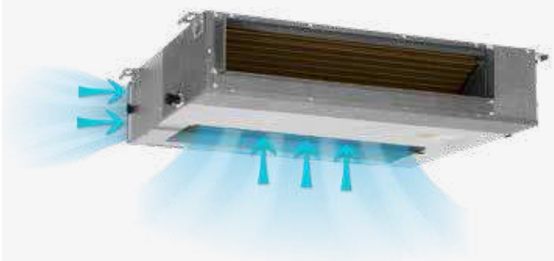
5 YEARS WARRANTY Classic

360°

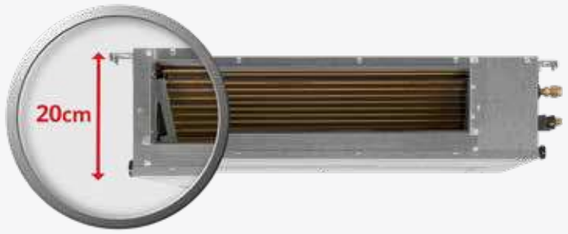
360° Air Outlet

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.

Two Air Inlet Styles



Super Slim Design



Built-in Drain Pump

Fan On/Off Switch

HM Hotel Menu

Smart Controller

Static Pressure Settings

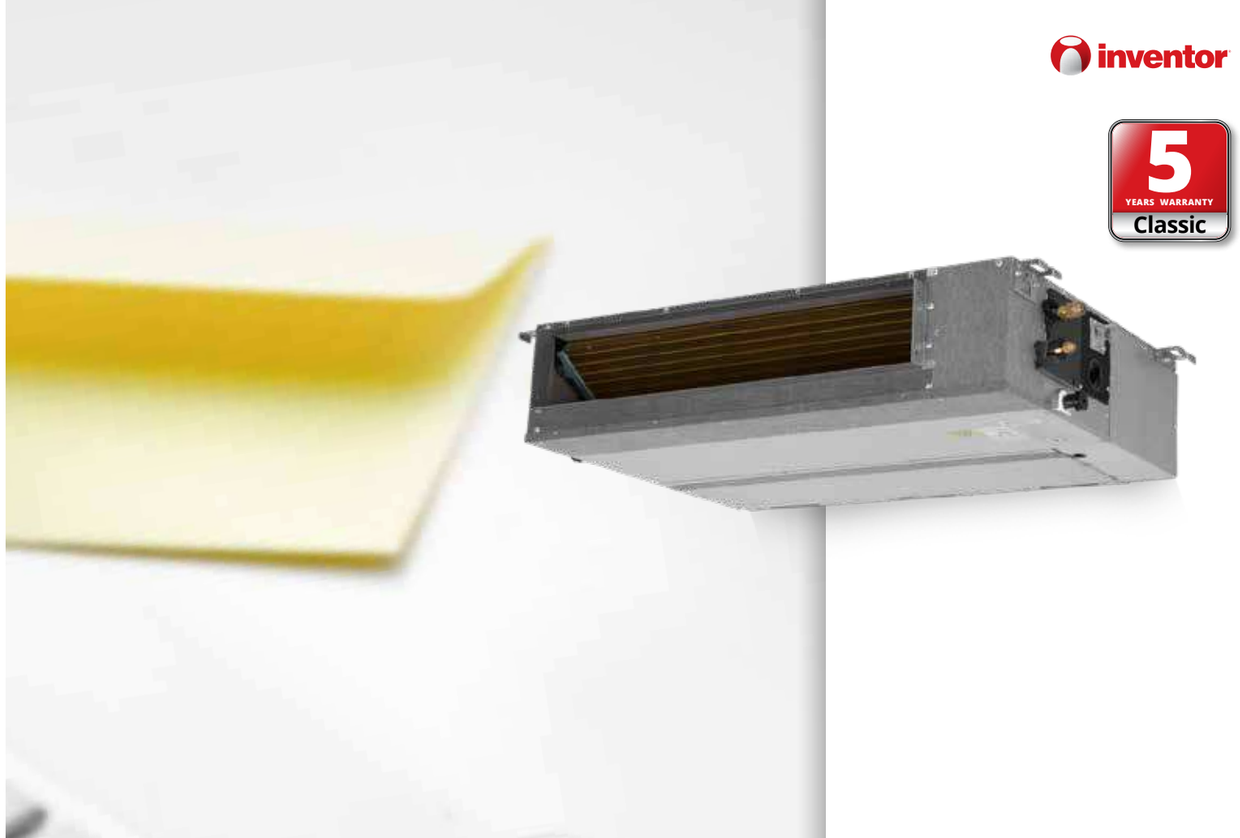
Weekly Planner Controller

Front Desk Control On/Oaff (Optional)

Central Control Management (Optional)

MODEL		LV5MDI32-12WiFiR
Cooling Capacity (Btu/h)		12.000 (2.100-15.000)
Cooling Capacity (kWatt)		3.52 (0.61-4.40)
Heating Capacity (Btu/h)		13.000 (2.100-17.500)
Heating Capacity (kWatt)		3.81 (0.62-5.13)
Voltage/Frequency/Phase (V/Hz/Ph)		220-240/50/1
Current Input (A)	**Cooling**	0.17
	Heating	0.17
Power Input (W)	**Cooling**	40
	Heating	40
Air Flow Volume (m³/h) (High/Medium/Low)		600/480/300
Static Pressure (Pa)		0-60
Noise Level (dB(A)) (Low/Medium/High)		35/38/42
Sound Power Level (dB(A))		59
Dimensions WxDxH (mm)		700x450x200
Net Weight (kg)		18
Liquid Line		1/4"
Gas Line		3/8"

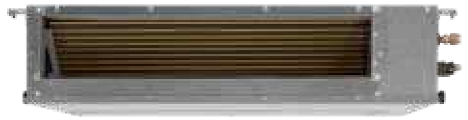
R32 CE ISO 9001 ISO 14001 RoHS



5 YEARS WARRANTY Classic

Wi-Fi Ready

The advanced technology of the new Inventor Multi Duct air conditioners provide the option of remote management & allows you to set your air conditioner easily from wherever you are. Install the Wi-Fi Smart Port, download for free the Invmate II application through Google Play & App Store on your Smartphone or Tablet and create ideal conditions all over your place.

Golden Fin

Electronic Expansion Valve Per Circuit

Wide Operation Range

Flexible Installation

Indoor Unit A	Indoor Unit B	Indoor Unit C	Indoor Unit D	Indoor Unit E	U5MRSL32(2)-18	U5MRSL32(3)-27	U5MRSL32(4)-36	U5MRSL32(5)-42
9k	-	-	-	-	●	●	●	●
12k	-	-	-	-	●	●	●	●
18k	-	-	-	-	●	●	●	●
24k	-	-	-	-	●	-	●	●
9k	9k	-	-	-	●	●	●	●
9k	12k	-	-	-	●	●	●	●
9k	18k	-	-	-	●	●	●	●
9k	24k		-	-	-	-	●	●
12k	12k	-	-	-	●	●	●	●
12k	18k	-	-	-	-	●	●	●
12k	24k		-	-	-	-	●	●
18k	18k	-	-	-	-	-	●	●
9k	9k	9k	-	-	-	●	●	●
9k	9k	12k	-	-	-	●	●	●
9k	9k	18k	-	-	-	●	●	●
9k	9k	24k	-	-	-	-	●	●
9k	12k	12k	-	-	-	●	●	●
9k	12k	18k	-	-	-	●	●	●
9k	12k	24k	-	-	-	-	●	●
9k	18k	18k	-	-	-	●	●	●
12k	12k	12k	-	-	-	-	●	●
12k	12k	18k	-	-	-	-	●	●
12k	12k	24k	-	-	-	-	●	●
12k	18k	18k	-	-	-	-	●	●
9k	9k	9k	9k	-	-	-	●	●
9k	9k	9k	12k	-	-	-	●	●
9k	9k	9k	18k	-	-	-	●	●
9k	9k	9k	24k	-	-	-	-	●
9k	9k	12k	12k	-	-	-	●	●
9k	9k	12k	18k	-	-	-	●	●
9k	9k	12k	24k	-	-	-	-	●
9k	12k	12k	12k	-	-	-	●	●
9k	12k	12k	18k	-	-	-	●	●
12k	12k	12k	12k	-	-	-	●	●
12k	12k	12k	18k	-	-	-	●	●
9k	9k	9k	9k	9k	-	-	-	●
9k	9k	9k	9k	12k	-	-	-	●
9k	9k	9k	9k	18k	-	-	-	●
9k	9k	9k	12k	12k	-	-	-	●
9k	9k	9k	12k	18k	-	-	-	●
9k	9k	12k	12k	12k	-	-	-	●
9k	12k	12k	12k	12k	-	-	-	●
12k	12k	12k	12k	12k	-	-	-	●

Air Conditioning units for your Business

Your most valuable partner! Integrated solutions for all kind of business premises. Upgraded Inventor series deliver outstanding performance with the lowest consumption and wide range of cooling and heating results. Enjoy excellent conditions everywhere in your area!

5 YEARS WARRANTY Classic

Cassettes

with Wi-Fi Control

Consoles

with Hotel Menu

Duct

with Golden Fin

Floor Ceiling

with R32 ECO Refrigerant

Floor Standing

with Anti-Cold Air Function

HM Hotel Menu

External Air Duct Outlet

360° Air Outlet · Anti-Cold Air Function · Fresh Air Intake · Golden Fin · Auto Restart · Smart Controller · Built-in Drain Pump · Central Control Management (Optional)

MODEL			V5MCI32-18WiFiR/ U5MRS32-18	V5MCI32-24WiFiR/ U5MRS32-24	V5MCI32-36WiFiR/ U5MRS32-36	V5MCI32-50WiFiR/ U5MRT32-50	V5MCI32-60WiFiR/ U5MRT32-60
Cooling Capacity (Btu/h)			18.000 (4.300-21.000)	24.000 (7.600-28.000)	36.000 (9.000-41.000)	48.000 (16.224-49.761)	53.000 (18.000-57.000)
Cooling Capacity (kWatt)			5.28 (1.26-6.15)	7.03 (2.23-8.21)	10.55 (2.64-12.02)	14.0 (4.76-14.58)	15.8 (5.28-16.71)
Heating Capacity (Btu/h)			19.000 (6.000-24.000)	26.000 (8.300-29.500)	38.000 (10.000-45.000)	55.000 (13.396-57.206)	62.000 (15.000-66.000)
Heating Capacity (kWatt)			5.57 (1.76-7.03)	7.62 (2.43-8.65)	11.14 (2.93-13.19)	16.1 (3.93-16.77)	18.2 (4.4-19.34)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	5.3	7.0	10.5	14.0	15.8
		Energy Class	A++	A++	A++	A++	A++
		SEER	6.1	6.1	6.1	6.1	6.1
	Heating (Middle Zone)	Pdesign (kW)	4.7	5.4	8.8	11.2	11.9
		Energy Class	A+	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	4.9	5.9	10.5	12.2	12.5
		Energy Class	A+++	A+++	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1	5.1	5.1
Voltage/Frequency/Phase (V/Hz/Ph)			220-240/50/1	220-240/50/1	220-240/50/1	380-415/50/3	380-415/50/3
Current Input (A)	Cooling/Heating		1.2-9.3/1.4-9.5	2.1-12.4/2.2-12.5	2.9-19.6/2.8-19.8	1.8-9.26/1.56-8.83	1.8-11/1.6-10.6
Power Input (W)	Cooling/Heating		280-2.150/330-2.180	480-2.850/500-2.880	660-4.500/650-4.550	1.174-5.602/987-5.378	1.147-6.682/1.022-6.448
Air Flow Volume [m³/h] (High/Medium/Low)			1.036/867/763	1.378/1.200/1.032	1.775/1.620/1.438	1.715/1.568/1.381	1.970/1.737/1.537
Noise Level (dB(A))	Indoor unit (Low/Medium/High)		37/41/46	40/43/47	46/49/52	49/50/52	48/50.5/53
	Outdoor unit		57	62	65	66	66
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit		56/65	59/66	61/68	65/72	65/74
Power Supply Wire Outdoor (No x mm²) / Fuses (A)			3x2.5 / 1x16	3x2.5 / 1x16	3x4.0 / 1x25	5x2.5 / 3x20	5x2.5 / 3x20
Signal Wires (No x mm²)			3 x 1.5 & (2 x 1.0 Shield)	3 x 1.5 & (2 x 1.0 Shield)	3 x 1.5 & (2 x 1.0 Shield)	3 x 1.5 & (2 x 1.0 Shield)	3 x 1.5 & (2 x 1.0 Shield)
Dimensions WxDxH(mm)	Panel		950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Indoor Unit		840x840x205	840x840x205	840x840x245	840x840x287	840x840x287
	Outdoor Unit		800x333x554	845x363x702	946x410x810	952x415x1.333	952x415x1.333
Net Weight (kg)	Panel/Indoor/Outdoor Unit		5/21.4/35.6	5/23/66.8	5/27.5/66.8	5/29/106.7	5/29.7/111.3
Liquid Line |Gas Line			1/4" | 1/2"	3/8" | 5/8"	3/8" | 5/8"	3/8" | 5/8"	3/8" | 5/8"
Refrigerant			R32 / 1.350	R32 / 1.500	R32 / 2.400	R32 / 2.800	R32 / 2.950
Operation Temperature Range (°C) Cooling/ Heating			-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

R32 · CE · ISO 9001 · ISO 14001 · RoHS

5 YEARS WARRANTY Classic

Wi-Fi Ready

The advanced technology of the new Inventor Cassettes air conditioners provide the option of remote management & allows you to set your air conditioner easily from wherever you are. Install the Wi-Fi Smart Port, download for free the Invmate II application through Google Play & App Store on your Smartphone or Tablet and create ideal conditions all over your place.

Wide Angle Air Flow

Excellent Heating Performance at -15ºC

Quiet Operation

Fan On/Off Switch

Wide Operation Range

Double Air Outlet

Low Ambient Cooling

Smart Controller

Temperature Sensor Offset

Auto Restart

MODEL			V4MLI-12/V4ML0-12
Cooling Capacity (Btu/h)			12.000 (2.100-15.000)
Cooling Capacity (kWatt)			3.52 (0.62-4.40)
Heating Capacity (Btu/h)			13.000 (2.100-16.900)
Heating Capacity (kWatt)			3.81 (0.62-4.95)
Seasonal Efficiency (In accordance to EN14825)	**Cooling**	**Pdesign** (kW)	3.5
		Energy Class	A++
		SEER	6.1
	Heating (Middle Zone)	**Pdesign** (kW)	3.6
		Energy Class	A+
		SCOP	4.0
	Heating (Warm Zone)	**Pdesign** (kW)	3.5
		Energy Class	A+++
		SCOP	5.1
Voltage/Frequency/Phase (V/Hz/Ph)			220-240/50/1
Current Input (A)	**Cooling/Heating**		1.0-7.7/0.9-8.1
Power Input (W)	**Cooling/Heating**		211-1.690/190-1.760
Air Flow Volume [m³/h] (High/Medium/Low)			550/470/360
Noise Level (dB(A))	**Indoor Unit** (Low/Medium/High)		35/41/47
	Outdoor Unit		57
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit		59/61
Power Supply Wire Outdoor (No x mm²) **/ Fuses** (A)			3x2.5 / 1x16
Signal Wires (No x mm²)			4x2.5
Dimensions WxDxH(mm)	**Indoor Unit**		700x210x600
	Outdoor Unit		800x333x554
Net Weight (kg)	Indoor/Outdoor Unit		15.0 / 34.5
Compressor Type			ROTARY
Liquid Line | Gas Line			1/4"|3/8"
Refrigerant			R410A / 1.380
Operation Temperature Range (°C) **Cooling / Heating**			-15~50 / -15~24

R410A

5 YEARS WARRANTY Classic

HM

Hotel Menu

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

4 Way Air Flow

Golden Fin

Wi-Fi Ready | Fresh Air Intake | Low Ambient Cooling | Hotel Menu | Temperature Sensor Offset | Auto Restart | Front Desk Control On/Off (Optional) | Central Control Management (Optional)

MODEL			V5MKI32-18WiFiR/ U5MRS32-18	V5MKI32-24WiFiR/ U5MRS32-24	V5MKI32-36WiFiR/ U5MRS32-36	V5MKI32-50WiFiR/ U5MRT32-50	V5MKI32-60WiFiR/ U5MRT32-60
Cooling Capacity (Btu/h)			18.000 (4.400-21.000)	24.000 (7.500-28.300)	36.000 (9.000-41.000)	48.000 (16.917-51.559)	54.000 (18.000-58.000)
Cooling Capacity (kWatt)			5.28 (1.29-6.15)	7.03 (2.20-8.21)	10.55 (2.64-12.02)	14.2 (4.96-15.11)	16.0 (5.28-17.0)
Heating Capacity (Btu/h)			19.000 (6.000-24.000)	26.000 (8.300-29.500)	38.000 (10.000-45.000)	55.000 (12.989-61.641)	62.000 (15.000-67.000)
Heating Capacity (kWatt)			5.57 (1.76-7.03)	7.62 (2.43-8.65)	11.14 (2.93-13.19)	16.1 (3.81-18.07)	18.2 (4.4-19.64)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	5.3	7.0	10.5	14.2	16
		Energy Class	A++	A++	A++	A++	A++
		SEER	6.1	6.1	6.1	6.1	6.1
	Heating (Middle Zone)	Pdesign (kW)	4.8	5.4	8.7	11.5	12
		Energy Class	A+	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	4.8	4.9	10.5	12.5	12.5
		Energy Class	A+++	A+++	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1	5.1	5.1
Voltage/Frequency/Phase (V/Hz/Ph)			220-240/50/1	220-240/50/1	220-240/50/1	380-415/50/3	380-415/50/3
Current Input (A)	Cooling/Heating		1.2-9.3/1.4-9.5	2.1-12.4/2.2-12.5	2.9-19.6/2.8-19.8	1.77-9.29/1.6-10.27	1.9-10.3/1.6-10.8
Power Input (W)	Cooling/Heating		280-2.150/330-2.180	480-2.850/500-2.880	660-4.500/650-4.550	1.158-5.703/1.026-6.200	1.227-6.296/1.022-6.546
Air Flow Volume [m³/h] (High/Medium/Low)			902/786/677	1.208/1.066/853	2.160/1.844/1.431	2.329/1.930/1.417	2.454/1.834/1.426
Noise Level (dB(A))	Indoor Unit (Low/Medium/High)		37/40/45	41/46/50	42/47/51	46/50/54	42/47/54
	Outdoor Unit		57	62	65	66	66
Sound Power Level (dB(A))	Indoor Unit/Outdoor Unit		56/65	61/66	61/68	66/72	68/74
Power Supply Wire Outdoor (No x mm²) / Fuses (A)			3x2.5 / 1x16	3x2.5 / 1x16	3x4.0 / 1x25	5x2.5 / 3x20	5x2.5 / 3x20
Signal Wires (No x mm²)			3 x 1.5 & (2 x 1.0 Shield)	3 x 1.5 & (2 x 1.0 Shield)	3 x 1.5 & (2 x 1.0 Shield)	3 x 1.5 & (2 x 1.0 Shield)	3 x 1.5 & (2 x 1.0 Shield)
Dimensions WxDxH (mm)	Indoor Unit		1.068x675x235	1.068x675x235	1.650x675x235	1.650x675x235	1.650x675x235
	Outdoor Unit		800x333x554	845x363x702	946x410x810	952x415x1.333	952x415x1.333
Net Weight (kg)	Indoor/Outdoor Unit		26.6 / 35.6	26.8 / 66.8	39.0 / 66.8	41.2 / 106.7	41.4 / 111.3
Liquid Line | Gas Line			1/4" | 1/2"	3/8" | 5/8"	3/8" | 5/8"	3/8" | 5/8"	3/8" | 5/8"
Refrigerant			R32 / 1.350	R32 / 1.500	R32 / 2.400	R32 / 2.800	R32 / 2.950
Operation Temperature Range (°C) Cooling / Heating			-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

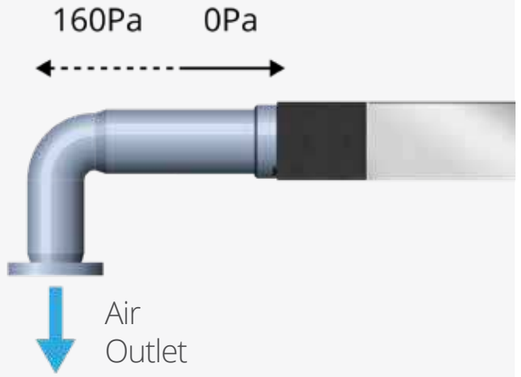
R32 CE ISO 9001 ISO 14001 RoHS

5 YEARS WARRANTY Classic

R32 ECO Refrigerant

The R32 ECO Refrigerant with 68% lower global warming potential, is here to significantly enhance your air conditioner performance and to drastically contribute to global warming protection. It does not adversely affect the ozone layer, contributes in reducing global warming effect by entrapping smaller amounts of heat (GWP = 675) and can be easily reused and recycled.

Static Pressure Settings



Weekly Planner Controller

Wi-Fi Ready · Super Slim Design · Built-in Drain Pump · Two Air Inlet Styles · Hotel Menu · Smart Controller · Fresh Air Intake · Front Desk Control On/Off (Optional)

MODEL			V4MDI-12B/ U4MRS-12B	V5MDI32-18WiFiR/ U5MRS32-18	V5MDI32-24WiFiR/ U5MRS32-24	V5MDI32-36WiFiR/ U5MRS32-36	V5MDI32-50WiFiR/ U5MRT32-50	V5MDI32-60WiFiR/ U5MRT32-60
Cooling Capacity (Btu/h)			12.000 (1.800-12.800)	18.000 (4.200-21.000)	24.000 (7.500-28.300)	36.000 (9.000-41.000)	48.000 (14.545-51.845)	52.000 (20.000-59.000)
Cooling Capacity (kWatt)			3.52 (0.53-3.75)	5.28 (1.23-6.15)	7.03 (2.20-8.21)	10.55 (2.64-12.01)	14.0 (4.26-15.20)	15.4 (5.86-17.29)
Heating Capacity (Btu/h)			13.000 (3.400-13.600)	19.000 (6.000-24.000)	26.000 (8.300-29.500)	38.000 (10.000-45.000)	55.000 (12.621-61.500)	62.000 (16.000-70.000)
Heating Capacity (kWatt)			3.81 (1.00-3.99)	5.57 (1.76-7.03)	7.62 (2.43-8.65)	11.14 (2.93-13.19)	16.1 (3.7-18.03)	18.2 (4.69-20.52)
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	3.5	5.3	7.0	10.5	14	15.4
		Energy Class	A+	A++	A++	A++	A++	A++
		SEER	5.6	6.1	6.1	6.1	6.1	6.1
	Heating (Middle Zone)	Pdesign (kW)	2.6	4.6	5.1	8.4	12	12.5
		Energy Class	A+	A+	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	3.4	5.1	6.1	10.5	12.5	13.1
		Energy Class	A++	A+++	A+++	A+++	A+++	A+++
		SCOP	4.9	5.1	5.1	5.1	5.1	5.1
Voltage/Frequency/Phase (V/Hz/Ph)			220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	380-415/50/3	380-415/50/3
Current Input (A)		Cooling/Heating	1.3-10/1.48-10	1.2-9.3/1.4-9.5	2.1-12.4/2.2-12.5	2.9-19.6/2.8-19.8	1.8-9.4/1.65-10.22	2-11/1.6-9.9
Power Input (W)		Cooling/Heating	155-2.300/302-2.300	280-2.150/330-2.180	480-2.850/500-2.880	660-4.500/650-4.550	1.170-5.699/1.048-6.124	1.274-6.651/1.042-6.034
Air Flow Volume [m³/h] (High/Medium/Low)			600/480/300	1.006/853/684	1.248/1.054/839	1.400/1.150/750	2.400/2.040/1.680	2.600/2.210/1.820
Outdoor Static Pressure (Pa)			0-60	0-100	0-160	0-160	0-160	0-160
Noise Level (dB(A))		Indoor Unit (Low/Medium/High)	27.5/34.5/40	40/42/44	40/42/44	40/43/47	48/49.5/50.5	50.5/52/54
		Outdoor Unit	56	57	62	65	66	66
Sound Power Level (dB(A))		Indoor Unit/Outdoor Unit	59/62	60/65	62/66	62/68	68/72	71/74
Power Supply Wire Outdoor (No x mm²) / Fuses (A)			3x2.5 / 1x16	3x2.5 / 1x16	3x2.5 / 1x16	3x4.0 / 1x25	5x2.5 / 3x20	5x2.5 / 3x20
Signal Wires (No x mm²)			4x2.5	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)	3x1.5 & (2x1.0 Shield)
Dimensions WxDxH(mm)		Indoor Unit	700x450x200	880x674x210	1.100x774x249	1.360x774x249	1.200x874x300	1.200x874x300
		Outdoor Unit	800x333x554	800x333x554	845x363x702	946x410x810	952x415x1.333	952x415x1.333
Net Weight (kg)		Indoor/Outdoor Unit	18 / 28.5	25.6 / 35.6	31.5 / 66.8	40.5 / 66.8	47.6 / 106.7	47.6 / 111.3
Liquid Line | Gas Line			1/4" | 3/8"	1/4"|1/2"	3/8"|5/8"	3/8"|5/8"	3/8"|5/8"	3/8"|5/8"
Refrigerant			R410A / 1.050	R32 / 1.350	R32 / 1.500	R32 / 2.400	R32 / 2.800	R32 / 2.950
Operation Temperature Range (°C) Cooling /Heating			-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24

R410A · R32 · CE · ISO 9001 · ISO 14001 · RoHS

5 YEARS WARRANTY Classic

Golden Fin

The ultimate protection of the air conditioner, especially at areas with high humidity levels and increased corrosive possibility, such as islands and coastal areas, can now be achieved. The golden, anticorrosive coating of the outdoor unit's refrigerant, protects against salty air, rain and other corrosive elements, ensuring the effective performance of the air conditioner and the extension of its lifeline. The golden coating of the indoor unit refrigerant, thanks to its antibacterial action, allows you to enjoy a perfectly clean and healthy atmosphere!

Turbo Mode

Front Desk Control On/Off (Optional)

Auto Restart · 24-Hours Timer · Smart Controller · Excellent Heating Performance at -15ºC · Error Alarm Port · Auto Error Diagnosis · All DC Inverter · Central Control Management (Optional)

MODEL			V4MFI-66B/V4MF0-66B
Cooling Capacity (Btu/h)			55.000
Cooling Capacity (kWatt)			15.53
Heating Capacity (Btu/h)			58.000
Heating Capacity (kWatt)			17.58
Seasonal Efficiency (In accordance to EN14825)	Cooling	Pdesign (kW)	15.8
		Energy Class	A+
		SEER	6.1
	Heating (Middle Zone)	Pdesign (kW)	12.1
		Energy Class	A+
		SCOP	4.0
	Heating (Warm Zone)	Pdesign (kW)	12.6
		Energy Class	A+++
		SCOP	5.1
Voltage/Frequency/Phase (V/Hz/Ph)			380/50/3
Current Input (A)		Cooling/Heating	10.2 / 8.10
Power Input (W)		Cooling/Heating	5.970 / 4.709
Air Flow Volume [m³/h]		Indoor Unit (High/Medium/Low)	2.285/1.927/1.479
		Outdoor Unit	7.600
Noise Level (dB(A))		Indoor Unit (Low/Medium/High)	49/54/57.5
		Outdoor Unit	63.5
Sound Power Level (dB(A))		Indoor Unit/Outdoor Unit	66/73
Power Supply Wire Outdoor (No x mm²) / Fuses (A)			5x2.5 / 3x16
Signal Wires (No x mm²)			5x2.5 & (2x0.5 Shield)
Dimensions WxDxH(mm)		Indoor Unit	610x390x1.925
		Outdoor Unit	952x415x1.333
Καθαρό Βάρος (kg)		Indoor Unit/Outdoor Unit	60.8 / 112.8
Liquid Line | Gas Line			3/8"|5/8"
Refrigerant			R410A / 4.300g
Operation Temperature Range (°C) Cooling / Heating			-15~50 / -15~24

R410A · CE · ISO 9001 · ISO 14001 · RoHS

5 YEARS WARRANTY Classic

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.

Icons Guide

A - Z

Active Carbon Filter

Enjoy fresh and healthy air, free of dust, thanks to the unique composition of the Active Carbon Filter. Get rid of germs and protect yourself from allergies and illnesses, ensuring a high-quality atmosphere in your space.

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.

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.

Auto Error Diagnosis

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

Auto Restart

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

Built-in Drain Pump

The drain pump can lift the condensing water up to 750mm, serving every kind of installation. Refers to chest installations.

Central Control Management (Optional)

The centralized multi-functional device can control up to 64 indoor units within a maximum connection length of 1200m. Control your air conditioner, set the temperature you want and select the mode you desire. Ideal for hotel & business units.

Double Air Outlet

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

Electronic Expansion Valve

Due to the independent electronic valve, Inventor air conditioners guarantee outstanding performance and excellent control of your systems. Create and enjoy the desired atmosphere in you place!

Energy Class

The innovative technology of Inventor air conditioners, ensures excellent performance at the lowest cost. Take advantage of the highest energy class A+++ and achieve great energy and money savings! Create and enjoy the most ideal atmosphere in your place.

Error Alarm Port

Take the whole control of you unit! Thanks to the error code that will appear if an error occurs, you can always be safe and sure for the appropriate and most efficient operation of your air conditioner.

Excellent Heating Performance Under -15°C

Excellent heating performance even at the most demaning regions with low temperature levels. Ensure the prefered temperature conditions, even at -15°C and enjoy ideal conditions in your place.

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.

Fan On/Off Switch

Create the conditions you want through the fan's On / Off special setting and select whether the fan will continue to operate even when the desired room temperature is reached.

Flexible Installation

The upgraded series of Inventor outdoor Multi units, ensure great flexibility to install up to 5 indoor units of every kind. Maximum total pipe length up to 75m.

Follow Me

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

Fresh Air Intake

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

Front Desk Control On/Off (Optional)

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

Golden Fin

The ultimate protection of the air conditioner, especially at areas with high humidity levels and increased corrosive possibility, such as islands and coastal areas, can now be achieved. The golden, anticorrosive coating of the outdoor unit's refrigerant, protects against salty air, rain and other corrosive elements, ensuring the effective performance of the air conditioner and the extension of its lifeline. The golden coating of the indoor unit refrigerant, thanks to its antibacterial action, allows you to enjoy a perfectly clean and healthy atmosphere!

Hotel Menu

Inventor air conditioners present the innovative air-conditioning unit management "HOTEL MENU". The HOTEL MENU is a set of features specifically designed to help better and more economical operation of air conditioners installed in hotel units.

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.

Low Ambient Cooling

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

Quiet Operation

This feature refers to the reduced noise emissions in order to achieve a pleasant and comfortable unit operation. The special design of the indoor unit offers excellent performance at the lowest noise level, so that to enjoy ideal conditions of absolute silence.

R32 ECO Refrigerant

The R32 ECO Refrigerant with 68% lower global warming potential, is here to significantly enhance your air conditioner performance and to drastically contribute to global warming protection. It does not adversely affect the ozone layer, contributes in reducing global warming effect by entrapping smaller amounts of heat (GWP = 675) and can be easily reused and recycled.

Robust Outdoor Design

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

Sleep Mode

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

Smart Controller

The smart controller is included in all Multi & Lcac Units and provides the opportunity not only to set your air conditioner but also to be informed about any possible malfunction, directly and efficiently.

Static Pressure Settings

With the advanced technology of the new air Duct units, you can set the available static pressure depending on your plant's duct network, from 0Pa to 160Pa.

Super Slim Design

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

Temperature Sensor Offset

The perceived temperature by the indoor unit sensor may vary from the real temperature of the room, due to the position of the unit. Thanks to this function you can minimize the difference and achieve better conditions in your place.

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.

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.

Weekly Planner Controller (Optional)

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

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. Offers accurate results for a comfortable enviroment with the greatest energy savings.

Wide Range of Combinations

The wide range of combinations that the new Multi outdoor units offer, enable you to connect many different types of indoor units and create the ideal conditions even in the most demanding installations. The new Multi outdoor air conditioning series, provide advanced technology and ensure great atmosphere all over your place.

Wi-Fi Ready

The innovative technology of the new Inventor Multi & LCAC air conditioning systems, offer the opportunity of remote management via Wi-Fi so that to control you air conditioner from wherever you are. 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.

Wi-Fi Standard

Control your climate easily from wherever you are, with your Smartphone or Tablet. Free download the Invmate II or the Ewpe application via Google Play & App Store, depending on the series you have and achieve optimal temperature conditions with great energy savings.

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.

24-hour Timer

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

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..

The **NAME**
in air conditioning has...

INVENTOR A.G. S.A.
24th km National Road Athens - Lamia & 2 Thoukididou Str., Ag.Stefanos , 145 65, Tel.: +30 211 300 3300 | Fax: +30 211 300 3333 | **export@inventor.ac**
www.inventor.ac/en