

The **NAME** in air conditioning



AC CATALOGUE
2019



The **NAME** in air conditioning includes...

5 Years Warranty



Ionizer

The integrated Ionizer of Inventor air conditioners, improves the air quality in your place. Thanks to the ions produced, it:

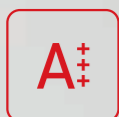
- ✓ destroys odors, dust and smoke
- ✓ prevents bacteria and microorganisms from spreading
- ✓ minimizes the possibility of allergies and diseases



Golden Fin

The advanced golden hydrophilic coating of the indoor & outdoor unit, provides anti-corrosive protection:

- ✓ extending the lifeline of the air conditioner and improving 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 heating efficiency by accelerating the defrosting process
- ✓ preventing bacteria from spreading and allowing you to enjoy a perfectly clean & healthy atmosphere



Energy Class

The innovative technology of Inventor air conditioners:

- ✓ provides the highest energy class A+++ in all climate conditions
- ✓ guarantees excellent performance even under the most demanding circumstances
- ✓ ensures maximum energy and money savings



Motion Detector

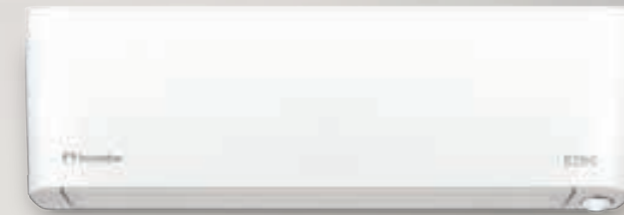
Ensure maximum energy savings and the most ideal conditions in your place, thanks to the pioneering technology of the Motion Detector.

Create the atmosphere you desire, adjusting the air flow of your air conditioner so that it is directed to or against your position and enjoy impeccable conditions of comfort.

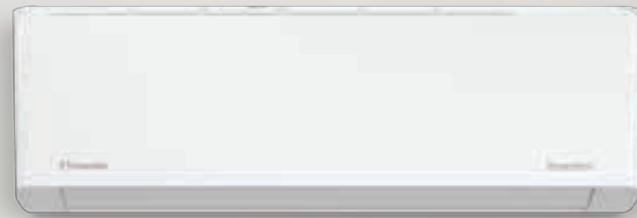
Functional cost reduction and money savings are accomplished thank to the ability of the Motion Detector to lower or to enforce its performance, every time your presence or absence from the place is detected.



Smart Wi-Fi Technology



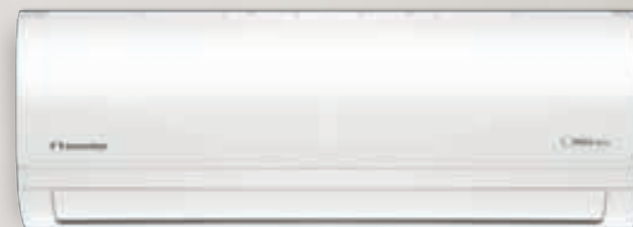
KING



Nemesis^{PRO}



PASSION^{ECO}



OMNIA^{eco}



Set the air conditioner easily from wherever you are thanks to the smart Wi-Fi technology.

Free download the Invmate II* or Ewpe* application (via Google Play or App Store) and achieve optimal temperature conditions with great energy savings, by easily setting your air conditioner, through your Smartphone or Tablet.

* Refers to King, Passion ECO & Omnia ECO series

** Refers to Nemesis Pro series

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 in global warming protection. R32 refrigerant is the main selection criteria as:

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



PASSION ECO



OMNiA eco



Nemesis PRO



KING

Healthy Air

The air cleaner system of Inventor air conditioners offers a clean and healthy environment at home, for you and your family.



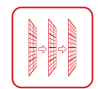
Blow Xfan



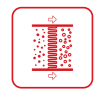
Plasma Ionizer



Ionizer



Triple Action Filter



Sterilization HEPA Filter



Filter Check



Powerful Self-Cleaning



Electrostatic Filter



Photocatalyst Filter

Comfort

The innovative design and the advanced features of Inventor air conditioners, offer excellent heating and cooling conditions.



Motion Detector



Maximum Air Flow at 10m



Auto Swing Louver



Follow Me



Mute Mode



Ultra Silence Mode










Central Control



Temperature Sensor Offset

Energy Saving








The highest energy class and the upgraded features of Inventor air conditioners, ensure low power consumption and maximum energy savings.

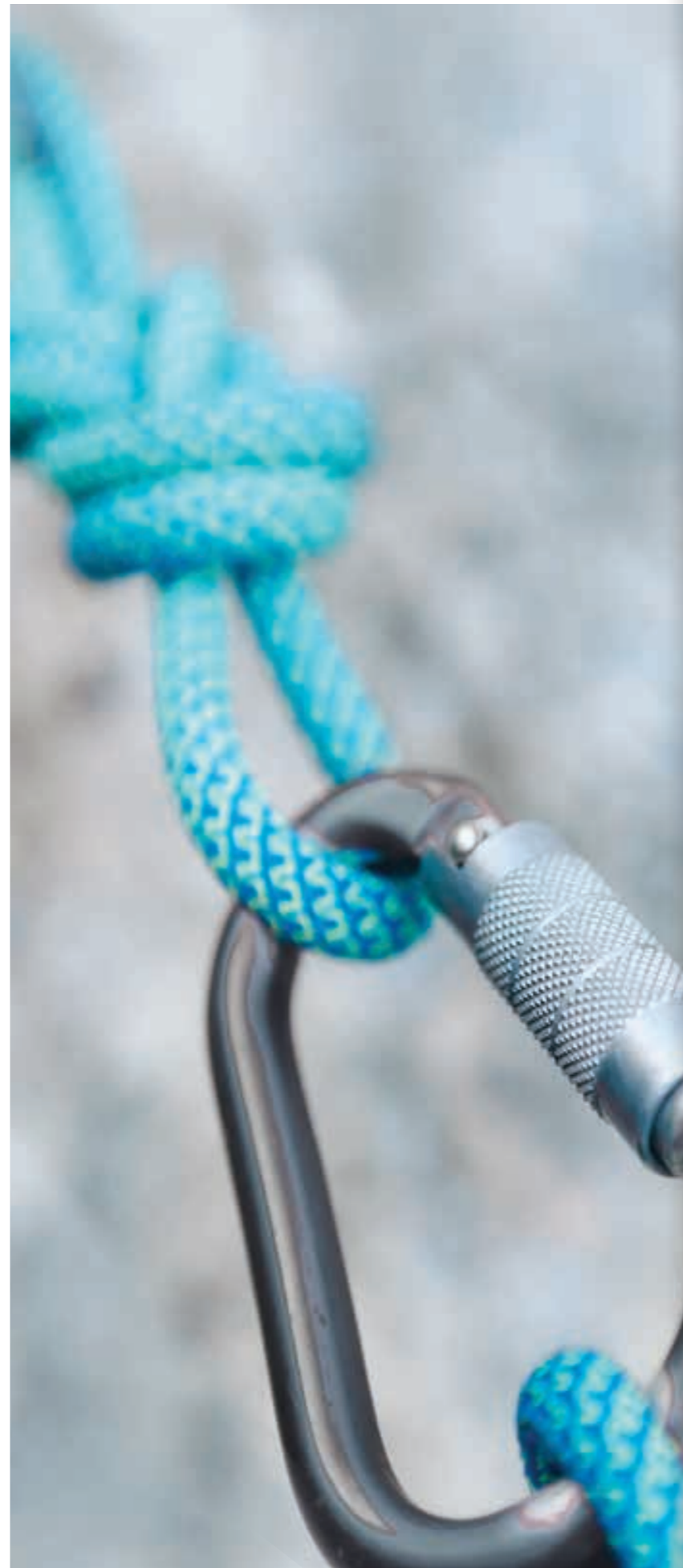
-  Energy class
-  Wi-Fi Standard
-  Weekly Planner
-  Sleep Mode
-  Heating 8°C
-  Anti-Cold Air Function
-  ECO Mode

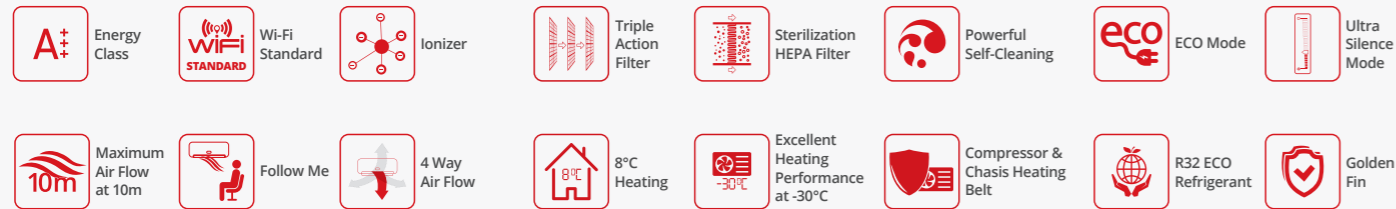


Reliability

The high quality levels of production and raw materials, guarantee the perfect and long term operation of Inventor air conditioners, even in the most demanding conditions.

-  Robust Outdoor Design
-  Golden Fin
-  Excellent Heating Performance at -30°C
-  Low Ambient Cooling
-  R32 ECO Refrigerant
-  Wide Operating Voltage Range
-  Compressor & Chasis Heating Belt




09/12K Btu/h


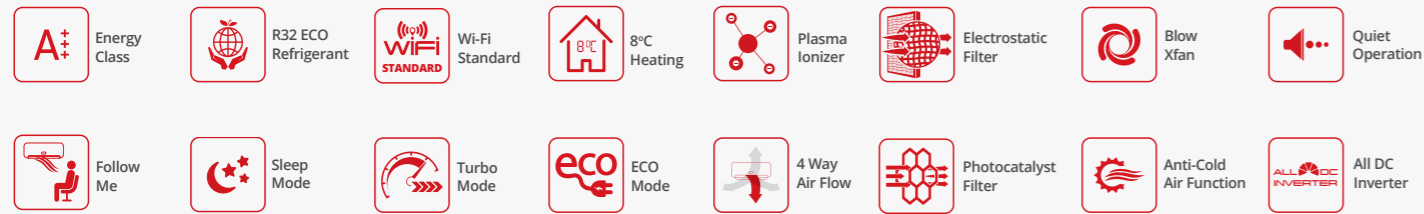
Model		K1VI32-09WiFi/ K1VO32-09	K1VI32-12WiFi/ K1VO32-12	
Cooling Capacity (Btu/h)		9,000 (3.408-14.189)	12,000 (3.519-16.432)	
Cooling Capacity (kWatt)		2.63 (0.99-4.16)	3.51 (1.03-4.82)	
Heating Capacity (Btu/h)		14,000 (2.569-23.884)	14,500 (2.569-24.566)	
Heating Capacity (kWatt)		4.10 (0.75-7.00)	4.24 (0.75-7.20)	
Seasonal Efficiency (In accordance to EN14.825)	Cooling	Pdesign (kW)	2.6	3.5
		Energy Class	A+++	A+++
		SEER	9.2	9.0
	Heating (Middle Zone)	Pdesign (kW)	2.4	2.4
		Energy Class	A+++	A+++
		SCOP	5.3	5.3
	Heating (Warm Zone)	Pdesign (kW)	3.0	3.1
		Energy Class	A+++	A+++
		SCOP	6.3	6.0
	Energy Power Consumption (kWh/year)		667	723
	Voltage/Frequency/Phase (V/Hz/Ph)		220-240/50/1	220-240/50/1
	Current Input (A)	Cooling	2.1 (0.4-8.5)	3.3 (0.4-8.5)
Heating		3.60 (0.45-8.50)	4.10 (0.45-11.40)	
Power Input (W)	Cooling	483 (87-1.955)	750 (102-1.955)	
	Heating	834 (104-1.955)	943 (104-2.625)	
Air Flow Volume (Maximum/High/Medium/Low) (m³/h)		565/430/285/220	590/450/310/230	
Noise Level [dB(A)]	Indoor Unit (Si/Lo/Mi/Hi)	20/26/33/45	21/31/37/45	
	Outdoor Unit	57	57	
Sound Power Level [dB(A)]	Indoor Unit	58	59	
	Outdoor Unit	59	61	
Compressor Type		ROTARY	ROTARY	
Liquid Line Gas Line		1/4" 3/8"	1/4" 3/8"	
Power Supply Wire Outdoor / Fuses (Noxmm²) / (A)		3x1.5/10	3x1.5/10	
Signal Wires (Noxmm²)		5x1.5	5x1.5	
Dimensions (WxDxH) (mm)	Indoor Unit	895x248x298	895x248x298	
	Outdoor Unit	800x333x554	800x333x554	
Net Weight (kg)		13/36.4	13/36.4	
Refrigerant / Charge (g)		R32/870	R32/870	
Operation Temperature Range Outdoor Unit (°C)	Cooling	-25-50	-25-50	
	Heating	-30-30	-30-30	



Motion Detector

Create the atmosphere you desire, adjusting the air flow of your air conditioner so that is directed to or against your position and enjoy impeccable conditions of comfort.

KING


09/12/18/24K Btu/h


MODEL		N2VI32-09WiFi/ N2VO32-09	N2VI32-12WiFi/ N2VO32-12	N2VI32-18WiFi/ N2VO32-18	N2VI32-24WiFi/ N2VO32-24	
Cooling Capacity (Btu/h)		9.212 (3.071-12.966)	12.000 (3.400-13.000)	18.084 (4.299-22.519)	24.000 (3.700-30.900)	
Cooling Capacity (kWatt)		2.69 (0.90-3.80)	3.51 (0.99-3.81)	5.30 (1.25-6.60)	7.03 (1.08-9.05)	
Heating Capacity (Btu/h)		10.000 (2.388-15.013)	13.000 (4.100-15.010)	19.005 (3.821-23.202)	24.500 (5.800-36.400)	
Heating Capacity (kWatt)		2.93 (0.69-4.40)	3.81 (1.20-4.40)	5.57 (1.11-6.80)	7.18 (1.69-10.67)	
Seasonal Efficiency (In accordance to EN14.825)	Cooling	Pdesign (kW)	2.7	3.5	5.3	7.0
		Energy Class	A+++	A+++	A++	A++
		SEER	8.5	8.5	7.6	7.0
	Heating (Middle Zone)	Pdesign (kW)	2.8	3.2	4.5	6.4
		Energy Class	A++	A+	A+	A+
		SCOP	4.6	4.4	4.1	4.0
	Heating (Warm Zone)	Pdesign (kW)	3.2	3.2	4.6	7.1
		Energy Class	A+++	A+++	A+++	A+++
		SCOP	5.4	5.1	5.2	5.2
	Annual Power Consumption (kWh/year)		830	878	1.238	1.912
	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	2.6 (0.7-6.4)	4.0 (0.8-7.0)	6.9 (0.9-10.9)	9.15 (1.8-16.4)
Heating		2.9 (1.2-7.5)	4.5 (1.3-7.7)	6.3 (1.5-11.5)	8.44 (2.0-16.9)	
Power Input (W)	Cooling	585 (100-1.400)	950 (100-1.400)	1.550(380-2.450)	2.000 (400-3.700)	
	Heating	650 (170-1.650)	975 (200-1.650)	1.428(350-2.600)	1.845 (450-3.800)	
Air Flow Volume (Maximum/High/Medium/Low) (m³/h)		660/540/450/390	680/540/450/390	850/750/610/520	1.250/1.000/900/750	
Noise Level [dB(A)]	Indoor unit (Si/Lo/Mi/Hi)	24/33/37/41	25/34/37/43	34/39/43/49	36/40/44/49	
	Outdoor unit	52	53	57	60	
Sound Power Level [dB(A)]	Indoor unit	56	58	58	65	
	Outdoor unit	60	62	65	70	
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 Outdoor / Fuses (Noxmm²) / (A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	
Signal Wires (Noxmm²)		4x1.5	4x1.5	4x1.5	4x1.5	
Dimensions (WxDxH) (mm)	Indoor unit	865x210x290	865x210x290	996x225x301	1.101x249x327	
	Outdoor unit	848x320x596	848x320x596	955x396x700	955x396x700	
Net Weight (kg)	Indoor/Outdoor	10.5/33.5	11.0/33.5	13.5/45.0	16.5/53.0	
Refrigerant / Charge (g)		R32/700	R32/750	R32/1.000	R32/1.700	
Outdoor Operation Temperature Range (°C)	Cooling	-15-43	-15-43	-15-43	-15-43	
	Heating	-22-24	-22-24	-22-24	-15-24	



Excellent Heating Performance at -22°C

With the special design of the outdoor unit, which includes Chassis Heating Belt & Compressor Heating Belt, excellent heating performance is achieved, extended to -22°C and -15°C increasing the heating capacity by 47%.

Nemesis PRO

Comprehensive air conditioning solution for Hotels

Central control for higher & lower temperature.

Hotel Menu allows the administrator to set maximum and minimum temperature options. For Cooling, temperature can be set in the range of 17°C to 24°C. For Heating, temperature can be set in the range of 25°C to 30°C. For instance, the administrator can set as minimum allowed cooling temperature, 24°C.

That means that even if a hotel's customer chooses a lower temperature than the allowed one, the air conditioner unit will continue its function at 24°C.

Hotel Menu prevents customers from adjusting the air conditioner units to extreme heating or cooling temperatures, as the allowed air conditioner's lower and higher temperature is locked.

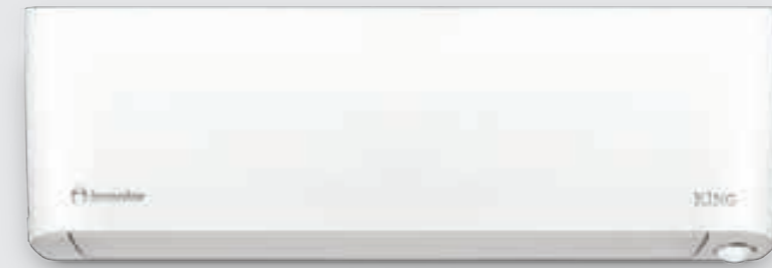
The Hotel Menu service of domestic air conditioners, which is available at **King**, **Passion ECO** & **Omnia ECO** series, will save energy up to 70% while greatly contributes to the optimal operation of your air conditioners for a longer period of time.

www.inventor.ac/en

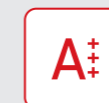


Air Conditioner Series supported by Hotel Menu

KING



Wi-Fi Standard



Energy Class



Motion Detector



Triple Action Filter



Hotel Menu

PASSION ECO



Wi-Fi Standard



Ionizer



Central Control

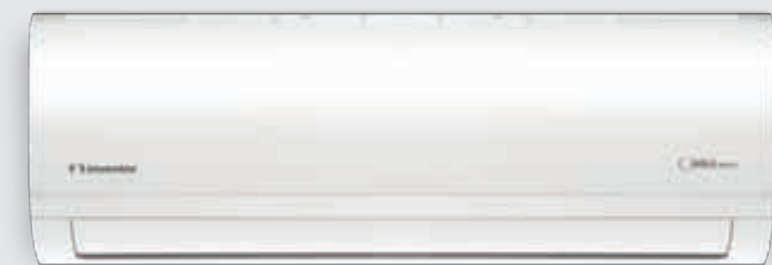


R32 ECO Refrigerant



Hotel Menu

OMNIA eco



Wi-Fi Ready



Hotel Menu



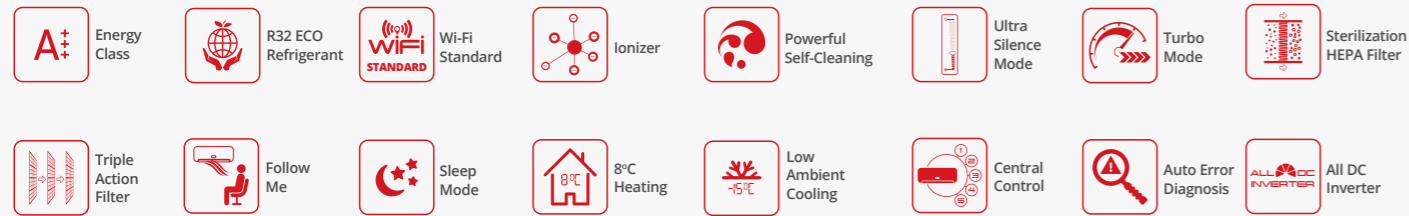
Ionizer



Golden Fin



Triple Action Filter


09/12/18/24K Btu/h


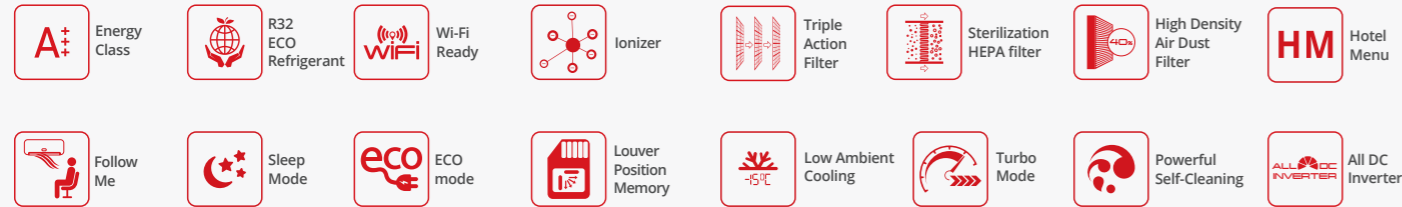
MODEL		P9MVI32-09WiFi/ P9MVO32-09	P9MVI32-12WiFi/ P9MVO32-12	P9MVI32-18WiFi/ P9MVO32-18	P9MVI32-24WiFi/ P9MVO32-24	
Cooling Capacity (Btu/h)		9.000 (4.100-11.700)	12.000 (4.800-15.600)	18.000 (6.700-21.200)	25.000 (10.400-28.800)	
Cooling Capacity (kWatt)		2.63 (1.20-3.43)	3.51 (1.40-4.57)	5.27 (1.96-6.21)	7.32 (3.04-8.44)	
Heating Capacity (Btu/h)		10.000 (2.800-13.200)	14.000 (3.000-17.500)	19.000 (4.400-23.800)	26.000 (7.100-32.200)	
Heating Capacity (kWatt)		2.93 (0.82-3.87)	4.10 (0.87-5.12)	5.56 (1.28-6.97)	7.62 (2.08-9.44)	
Seasonal Efficiency (In accordance to EN14.825)	Cooling	Pdesign (kW)	2.6	3.5	5.3	7.3
		Energy Class	A++	A++	A++	A++
		SEER	6.8	6.3	7.1	6.6
	Heating (Middle Zone)	Pdesign (kW)	2.4	2.5	4.0	5.5
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0
	Heating (Warm Zone)	Pdesign (kW)	3.0	3.2	4.5	7.0
		Energy Class	A+++	A+++	A+++	A+++
		SCOP	5.1	5.2	5.1	5.1
	Annual Power Consumption (kWh/year)		840	875	1.400	1.925
	Annual Power Consumption (kWh/year)		824	862	1.235	1.922
	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	3.3 (0.4-6.0)	5.4 (0.5-7.6)	6.5 (0.7-9.7)	9.8 (1.0-13.1)	
	Heating	3.4 (0.6-5.7)	5.1 (0.7-8.0)	6.0 (1.0-10.1)	9.2 (1.4-13.7)	
Power Input (W)	Cooling	770 (100-1.320)	1.250 (110-1.740)	1.500 (150-2.220)	2.260 (230-3.010)	
	Heating	780 (140-1.380)	1.170 (150-1.830)	1.390 (220-2.330)	2.110 (330-3.150)	
Air Flow Volume (High/Medium/Low) (m³/h)		486/433/329	550/490/360	810/720/550	1.050/970/650	
Noise Level [dB(A)]	Indoor unit (Si/Lo/Mi/Hi)	21/29/34/41	23/30/37/41	24/33/41/45	27/35/44/46	
	Outdoor unit	55	55	57	59	
Sound Power Level [dB(A)]	Indoor unit	53	54	57	59	
	Outdoor unit	59	61	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 / Fuses (Noxmm²) / (A)		3x1.5/10	3x1.5/10	3x1.5/10	5x2.5/16	
Signal Wires (Noxmm²)		5x1.5	5x1.5	5x1.5	5x1.5	
Dimensions (WxDxH) (mm)	Indoor unit	717x193x302	805x193x302	964x222x325	1.106x232x342	
	Outdoor unit	770x300x555	770x300x555	800x333x554	845x363x702	
Net Weight (kg)	Indoor/Outdoor	7.5/26.4	8.2/26.5	10.8/37.0	14.3/48.0	
Refrigerant / Charge (g)		R32/700	R32/800	R32/1.250	R32/1.600	
Outdoor Operation Temperature Range (°C)	Cooling	-15~50	-15~50	-15~50	-15~50	
	Heating	-15~30	-15~30	-15~30	-15~30	



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.




09/12/18/24K Btu/h


MODEL		O3MVI32-09WiFiR/ O3MVO32-09	O3MVI32-12WiFiR/ O3MVO32-12	O3MVI32-18WiFiR/ O3MVO32-18	O3MVI32-24WiFiR/ O3MVO32-24	
Cooling Capacity (Btu/h)		9.000 (3.100-11.600)	12.000 (3.800-14.200)	18.000 (6.200-20.900)	24.000 (7.100-27.120)	
Cooling Capacity (kWatt)		2.63 (0.90-3.40)	3.51 (1.11-4.16)	5.27 (1.81-6.13)	7.03 (2.08-7.94)	
Heating Capacity (Btu/h)		10.000 (2.800-11.500)	13.000 (3.700-14.400)	19.000 (4.700-23.000)	25.000 (5.500-30.000)	
Heating Capacity (kWatt)		2.93 (0.82-3.37)	3.81 (1.08-4.22)	5.56 (1.37-6.74)	7.32 (1.61-8.80)	
Seasonal Efficiency (In accordance to EN14.825)	Cooling	Pdesign (kW)	2.6	3.5	5.2	7.0
		Energy Class	A++	A++	A++	A++
		SEER	6.2	6.1	7.1	6.1
		Annual Power Consumption (kWh/year)	147	201	256	402
	Heating (Middle Zone)	Pdesign (kW)	2.1	2.3	4.1	4.8
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.0	4.0	4.0
		Annual Power Consumption (kWh/year)	735	805	1.435	1.680
	Heating (Warm Zone)	Pdesign (kW)	2.6	2.6	4.2	6.4
		Energy Class	A+++	A+++	A+++	A+++
		SCOP	5.1	5.1	5.1	5.1
		Annual Power Consumption (kWh/year)	714	714	1.153	1.757
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	3.1 (0.4-5.4)	5.4 (0.5-6.9)	6.9 (0.6-10.3)	10.2 (0.7-13.3)	
	Heating	3.2 (0.5-5.2)	4.2 (0.4-6.9)	6.4 (0.9-10.5)	10.2 (1.1-13.3)	
Power Input (W)	Cooling	710 (100-1.240)	1.237 (130-1.580)	1.539 (140-2.360)	2.345 (160-2.960)	
	Heating	739 (120-1.200)	964 (100-1.580)	1.480 (200-2.410)	2.035 (260-3.140)	
Air Flow Volume (High/Medium/Low) (m³/h)		520/460/360	600/500/360	840/680/540	980/817/662	
Noise Level [dB(A)]	Indoor unit (Si/Lo/Mi/Hi)	21/26/30/40	22/26/34/40	25/30/37/44	28/34.5/42/44.5	
	Outdoor unit	55.5	56	56	59.5	
Sound Power Level [dB(A)]	Indoor unit	53	53	55	59	
	Outdoor unit	61	65	61	67	
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 / Fuses (Noxmm²) / (A)		3x1.5/10	3x1.5/10	3x2.5/10	5x2.5/16	
Signal Wires (Noxmm²)		5x1.5	5x1.5	5x1.5	5x2.5	
Dimensions (WxDxH) (mm)	Indoor unit	805x194x285	805x194x285	957x213x302	1.040x220x327	
	Outdoor unit	700x275x550	700x275x550	800x333x554	845x363x702	
Net Weight (kg)	Indoor/Outdoor	7.5/22.7	7.5/22.7	10/34	12.3/51.5	
Refrigerant / Charge (g)		R32/500	R32/500	R32/1.000	R32/1.600	
Outdoor Operation Temperature Range (°C)	Cooling	-15-50	-15-50	-15-50	-15-50	
	Heating	-15-30	-15-30	-15-30	-15-30	



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!

The **NAME** in air conditioning provides...



INVENTOR A.G. S.A.

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