



RESIDENTIAL AIR CONDITIONERS CATALOGUE **2020** 

# Healthy atmosphere in your place



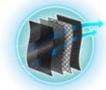
#### Ionizer

Enjoy an ideal atmosphere of clean and healthy air in your place thanks to the built-in Ionizer which is available in all the models of wall mounted air conditioners and ensures the best possible conditions in your home environment, offering security to you and your loved ones.

The lonizer:

- naturally and effectively neutralizes harmful floating particles, such as germs, bacteria, viruses, pollen, smoke, dust, odors, etc.
- provides high purified air that offers a pleasant feeling of freshness
- relieves from the annoying effects of poor indoor air quality

Live carefree and in safety and enjoy ideal conditions in your everyday activities. Your air conditioner sets the ideal temperature in your place and takes care of your health!



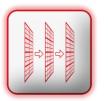
## **Air Cleaning Filters**

The whole range of Inventor domestic air conditioners is equipped with various types of filters that contribute significantly to the excellent air quality in your place.

The latest technology filters contribute to its hygiene as they remove from the room where the air conditioner is located,

- floating particles such as dust, pollen
- bacteria and other harmful microorganisms that reduce the levels of clean air in your place

Air cleaning filters of your air conditioner have one and only purpose, to protect you and especially your loved ones who belong to vulnerable groups, such as the elderly, the young children and the people with respiratory problems from the harmful effects of polluted atmosphere in your home environment, offering clean and healthy air throughout the year.



#### Triple Action Filter

The Triple Action Filter contributes significantly to improving air quality and protecting your skin and hair. It consists of:

- your skin and hair
- Silver Ion that reduces bacteria and germs by offering fresh and clean air
- amounts of formaldehyde and unstable organic compounds



#### Sterilization HEPA Filter

The Sterilization HEPA Filter removes even the smallest suspended particles from the atmosphere, such as

- germs
- viruses
- 💌 pollen
- 🖲 smoke

cleaning the atmosphere in your place and reducing the possibilities of allergic reactions.



#### High Density Air Dust Filter

The High Density Air Dust Filter is the main air conditioner filter. Thanks to its special structure, dust and air particles are retained, preventing them from recirculating in the place, contributing in the hygiene of the air in the place and

- in the maintenance of the special filters in excellent condition.

#### Ensure the efficient performance of your air conditioner filters

- Take care of their regular cleaning, once a month or more often for burdened places.
- Turn off the power supply to your air conditioner before cleaning and removing the filters. 🛎 Remove the special filters (Triple Action & HEPA) from the slot located on top of High Density Air Dust Filters and remove
- dust that has been accumulated with a handheld vacuum cleaner.
- Place the Triple Action Filter outside to dry in the sun for about 1-2 hours. \*
- 🛎 In order to clean High Density Air Dust Filters, place them under running water keep in mind that the water flow should always be from the inside of the filter to the outside - and dry them naturally. \*\*

\* After exposure to the sun, it must be recleaned of dust that may have retained during exposure \*\* They must be dried without the use of a heat source and sun exposure should be avoided.





Vitamin C that increases the production of collagen and elastin in the skin thus protecting

Cold Catalyst that absorbs odors and harmful particles from the environment, reducing the

# DARK







#### lonizer

Enjoy an ideal atmosphere of clean and healthy air in your place. The lonizer naturally and effectively neutralizes harmful floating particles, such as germs, bacteria, viruses, pollen, smoke, dust, odors, etc., providing high purified air that offers a pleasant feeling of freshness, free of the annoying effects of poor indoor air quality.









40\*

High Density Air Dust Filter



Wi-Fi Standard

Anti-Cold

Air Function

Model



Cooling Capacity (Btu/h)

Cooling Capacity (kWatt)

Turbo

Mode

Ultra Silence

Mode



Auto Restart

DRVI32-09WF/

DRVO32-09

9.000 (2.730-12.620)

2.6 (0.8-3.2)

**3/** 

Low Ambient

Cooling

Auto Error Diagnosis

Timer 

Ľ

24-Hours

Refrigerant

Leakage

Detect

DRVI32-12WF/

DRVO32-12

12.000 (3.410-13.650)

3.5 (1.0-4.0)



C;

Sleep Mode

Draining

DRVI32-18WF/

DRVO32-18

18.000 (4.430-19.790)

5.0 (1.30-5.80)

All DC Inverter



Louver

Position

Memory

Auto Swing

Louver

R32 ECO Refrigerant

DRVI32-24WF/

DRVO32-24

24.000 (7.500-29.000)

7.0 (2.2-8.5)



# **A**‡

# Energy Class

Innovative Design

Upgrade the aesthetics of your place with

the new series of DARK air conditioners. The

combination of black color with the high quality

mirror, features that the latest trends in modern

decoration dictate, will transform your place into

a reference point of modern design and luxury!

Take advantage of the higher energy class A+++ and save energy, enjoying excellent performance at the lowest operating costs.



#### 4-way Air Flow

Ensure uniform air distribution in all directions and cover even the most difficult areas of the place thanks to the DARK air conditioner series design that allows both horizontal and vertical movement of the vent swings. Relax and enjoy absolute comfort in every part of your home.

Heating Capacity (Btu/h)		11.000 (2.730-14.330)	14.500 (3.410-17.740)	18.150 (4.770-20.470)	28.000 (8.190-34.120)	
Heating Capacity (kWatt)		3.2 (0.8-4.2)	4.2 (1.0-5.6)	5.2 (1.4-6.0)	8.1 (2.40-10.0)	
	Cooling	Pdesign (kW)	2.6	3.5	5.0	7.0
		Energy Class	A+++	A+++	A++	A++
Seasonal Efficiency (In accordance to EN14825)		SEER	8.5	8.5	6.1	7.1
		Annual Power Consumption (kWh/year)	107	144	287	350
	Heating (Middle Zone)	Pdesign (kW)	2.4	2.8	4.6	5.6
		Energy Class	A++	A++	A+	A+
		SCOP	4.6	4.6	4.0	4.0
		Annual Power Consumption (kWh/year)	731	854	1.610	1.963
		Pdesign (kW)	2.6	3.0	4.6	5.6
	Heating	Energy Class	A+++	A+++	A+++	A+++
	(Warm Zone)	SCOP	5.5	5.5	5.1	5.1
		Annual Power Consumption (kWh/year)	662	756	1.263	1.537
Voltage/Frequency/Phase (V/Hz/Ph)		230/50/1	230/50/1	230/50/1	230/50/1	
Current Input (A)		2.9 (0.9-6.7)	3.9 (1.4-6.7)	6.5 (1.8-8.9)	9.6 (3.2-13)	
current inp	ut (A)	Heating	3.6 (1.3-7.2)	3.6 (1.3-7.2) 5.0 (1.3-7.2) 6.3 (2.3-11.3)		9.7 (3.2-13)
Power Input (W)		Cooling	650 (200-1.500)	875 (300-1.500)	1.460 (400-2.000)	2.160 (700-2.900)
		Heating	800 (300-1.600)	1.100 (500-1.600)	1.400 (520-2.500)	2.180 (700-2.900)
Air Flow Volume (Turbo/High/Medium/Low) (m³/h)		650/600/500/450	700/650/550/500	1.000/900/800/600	1.300/1.200/1.000/850	
Noise Level [dB(A)]		Indoor unit (Silent/Low/Medium/High)	20/25/30/35	22/29/33/38	30/35/40/44	30/37/43/47
		Outdoor unit	47	48	53	52
Sound Power Level		Indoor unit	54	58	59	60
[dB(A)]		Outdoor unit	59	61	65	65
Compresso	r Туре		ROTARY	ROTARY	ROTARY	ROTARY
Liquid line	Gas line		1/4"   3/8"	1/4"   3/8"	1/4"   1/2"	1/4"   1/2"
Power Supply Wire Outdoor / Fuses (Noxmm <sup>2</sup> )/(A)		3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16	
Signal Wires (Noxmm <sup>2</sup> )		4x1.5	4x1.5	4x1.5	4x1.5	
Dimensions	;	Indoor unit	887x211x281	887x211x281	1.030x233x322	1.115x248x336
(WxDxH) (mm)		Outdoor unit	800x280x550	800x280x550	800x280x550	890x353x697
Net Weight	(kg)	Indoor/Outdoor	10.0/29.0	10.0/31.5	13.0/32.7	16.0/51.0
Refrigerant	/Charge (g)		R32/650	R32/940	R32/900	R32/1.200
Outdoor Op		Cooling	-10~43	-10~43	-10~43	-10~43
Temperature Range (°C		Heating	-15~24	-15~24	-15~24	-15~24

#### RESIDENTIAL AIR CONDITIONERS CATALOGUE 2020



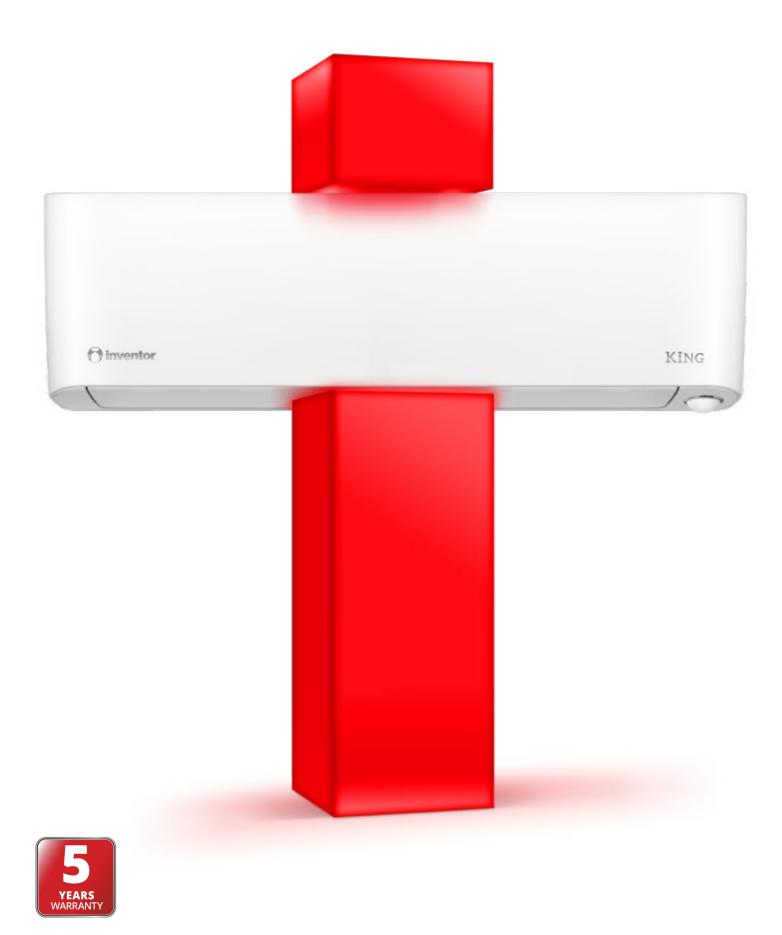








# Kïng





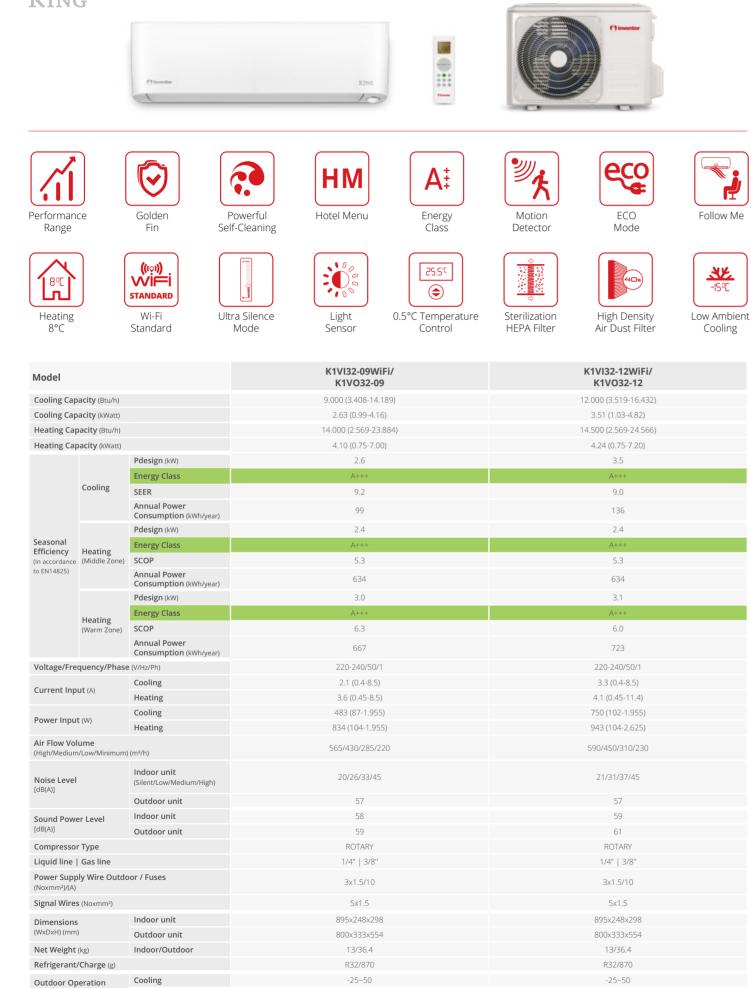
#### Triple Action Filter

The Triple Action Filter contributes significantly to improving air quality and protecting your skin and hair. It consists of **Vitamin C** that increases the production of collagen and elastin in the skin thus protecting your skin and hair, **Silver Ion** which reduces bacteria and germs by offering fresh and clean air and **Cold Catalyst** that absorbs odors and harmful particles from the environment, reducing the amounts of formaldehyde and unstable organic compounds.





Kïng



#### lonizer

The Ionizer naturally and effectively neutralizes harmful floating particles, such as germs, bacteria, viruses, pollen, smoke, dust, odors, etc., providing high purified air that offers a pleasant feeling of freshness, free of the annoying effects of poor indoor air quality.



### Compressor & Chasis Heating Belt

Ensure excellent heating conditions in your place even in difficult weather conditions, immediately and efficiently! The advanced construction of the outdoor unit with the special heating belt on its lower surface but also on the compressor guarantees its perfect operation, even in areas with low temperatures.



### Excellent Heating Performance at -30°C

Ensure excellent heating performance even in areas with low temperatures, up to -30°C. The KING series of air conditioners is the ideal solution for mountainous areas since it achieves excellent performance, even in the most difficult weather conditions.





Heatin

Temperature Range (°C)

















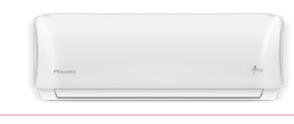
#### Sterilization HEPA Filter

The Sterilization HEPA Filter removes even the smallest suspended particles from the atmosphere, such as germs, viruses, pollen, smoke, etc., cleaning the atmosphere in your place and reducing the possibilities of allergic reactions.





Aria



HM

Hotel Menu



Wi-Fi Standard



Cooling Capacity (Btu/h)

Golden

Fin

Model

-15%



Low Ambient Cooling

P

Follow Me

C; Sleep Mode Timer

AR3VI32-09WF/

AR3VO32-09

9.000 (3.500-10.900)

-15~30



Triple Action

Filter

Ē Anti-Cold Air Function

....

?

Powerful

Self-Cleaning

AR3VI32-12WF/

AR3VO32-12

12.000 (2.800-14.200)



AR3VI32-18WF/

AR3VO32-18

18.000 (6.300-21.000)

-15~30

4 Way Air Flow



40\*

High Density Air Dust Filter



(BUC)

Heating 8°C

Mute

Mode

AR3VI32-24WF/

AR3VO32-24 24.000 (8.800-28.800) The Ionizer naturally and effectively neutralizes harmful floating particles, such as germs, bacteria, viruses, pollen, smoke, dust, odors, etc., providing high purified air that offers a pleasant feeling of freshness, free of the annoying effects of poor indoor air quality.

# **A**‡

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# Energy Class

Take advantage of the higher energy class A+++ and save energy, enjoying excellent performance at the lowest operating costs.

# Ultra Silence Mode

Create the perfect environment for you and your loved ones, with excellent conditions of absolute silence thanks to the Ultra Silence Mode that offers you high performance with low noise level.

			1
-	1	-	

Cooling Capacity (kWatt)			2.64 (1.03-3.19)	3.52 (0.82-4.16)	5.28 (1.85-6.15)	7.03 (2.58-8.44)
Heating Capacity (Btu/h)		10.000 (3.000-12.500)	13.000 (2.900-16.300)	19.000 (4.700-23.200)	26.000 (5.200-32.200)	
Heating Capacity (kWatt)		2.93 (0.88-3.66)	3.81 (0.85-4.78)	5.57 (1.38-6.80)	7.62 (1.52-9.44)	
	Cooling	Pdesign (kW)	2.6	3.5	5.3	7.2
Seasonal Efficiency (In accordance to EN14825)		Energy Class	A++	A++	A++	A++
		SEER	7.1	7.0	6.4	6.4
		Annual Power Consumption (kWh/year)	128	175	290	394
	Heating (Middle Zone)	Pdesign (kW)	2.6	2.7	3.9	5.1
		Energy Class	A+	A+	A+	A+
		SCOP	4.0	4.1	4.0	4.0
		Annual Power Consumption (kWh/year)	910	922	1.365	1.785
		Pdesign (kW)	3.0	3.3	4.5	6.3
	Heating	Energy Class	A+++	A+++	A+++	A+++
	(Warm Zone)	SCOP	5.1	5.1	5.1	5.1
		Annual Power Consumption (kWh/year)	824	906	1.235	1.729
Voltage/Frequency/Phase (V/Hz/Ph)		e (V/Hz/Ph)	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Current Input (A) Cooling Heating		Cooling	3.05 (0.3-5.3)	4.74 (0.2-6.9)	6.7 (0.7-10.3)	10.4 (1.0-14.1)
		Heating	3.17 (0.6-5.7)	4.47 (0.6-7.4)	6.7 (0.9-11.5)	9.46 (1.4-14.4)
ower Inpu	± (\\)	Cooling	703 (70-1.230)	1.089 (50-1.600)	1.547 (120-2.380)	2.402 (230-3.350)
ower mpu	( ( V V )	Heating	731 (140-1.310)	1.050 (130-1.710)	1.500 (220-2.430)	2.177 (230-3.370)
<b>ir Flow Vol</b> High/Medium	<b>lume</b> n/Low) (m³/h)		416/309/230	515/459/294	750/501/417	1.020/830/640
Noise Level [dB(A)]		Indoor unit (Silent/Low/Medium/High)	20/23/31/39	21/22/32/38	20/28/35/41	26/30/40/46
		Outdoor unit	55.5	54	57	60
Sound Power Level [dB(A)]		Indoor unit	54	56	58	62
		Outdoor unit	59	60	64	66
ompresso	r Type		ROTARY	ROTARY	ROTARY	ROTARY
iquid line	Gas line		1/4"   3/8"	1/4"   3/8"	1/4"   1/2"	3/8"   5/8"
<b>Power Supp</b> Noxmm²)/(A)	oly Wire Outdo	oor / Fuses	3x1.5/10	3x1.5/10	3x2.5/16	3x2.5/16
ignal Wire	s (Noxmm²)		5x1.5	5x1.5	5x1.5	5x2.5
Dimensions	5	Indoor unit	722x187x290	802x189x297	965x215x319	1.080x226x335
WxDxH) (mm	)	Outdoor unit	770x300x555	770x300x555	800x333x554	845x363x702
let Weight	(kg)	Indoor/Outdoor	7.3/27.2	8.2/27.0	10.8/37.0	12.9/50.0
Refrigerant	/Charge (g)		R32/700	R32/800	R32/1.250	R32/1.600
Outdoor Op	peration	Cooling	-15~50	-15~50	-15~50	-15~50

-15~30

RESIDENTIAL AIR CONDITIONERS CATALOGUE 2020 14

Temperature Range (°C) Heating



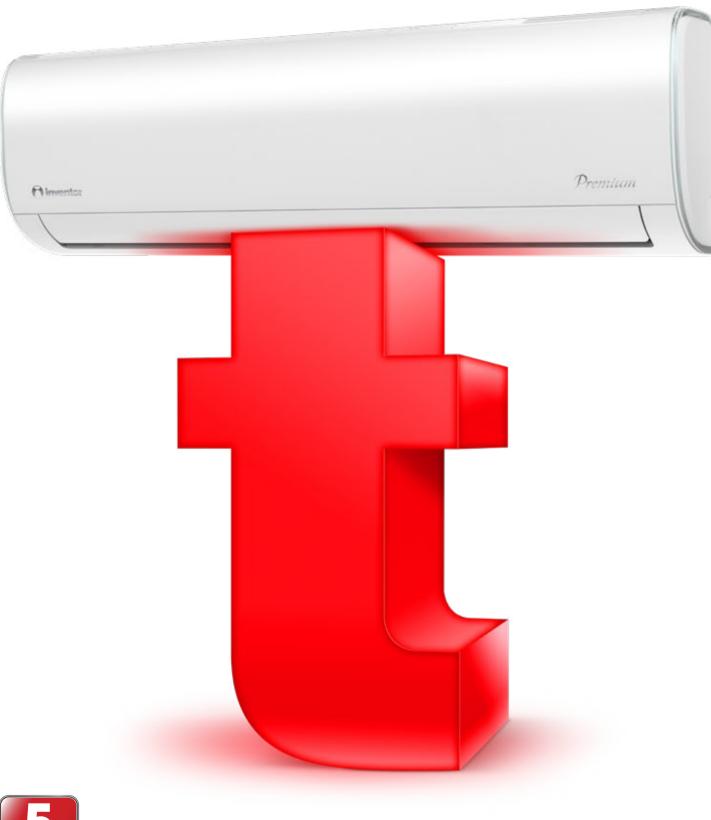
-15~30













#### lonizer

Enjoy an ideal atmosphere of clean and healthy air in your place. The lonizer naturally and effectively neutralizes harmful floating particles, such as germs, bacteria, viruses, pollen, smoke, dust, odors, etc., providing high purified air that offers a pleasant feeling of freshness, free of the annoying effects of poor indoor air quality.







#### Premium

Low Ambient

Cooling



Sleep Mode

Intelligent

Defrosting

Temperature Offset ....

[8℃]

Heating

8°C

Ì

Anti-Cold

Air Function

Ultra Silence

Mode

12 Grades

Indoor

Fan Speeds Fan Speeds PR1VI32-09WFC/ PR1VI32-12WFCB/ PR1VI32-18WFC/ PR1VI32-24WFC/ Model PR1VO32-09B PR1VO32-12B PR1VO32-18 PR1VO32-24 Cooling Capacity (Btu/h) 9 000 (3 100-11 600) 12 000 (3 800-14 200) 18 000 (6 200-20 900 24 000 (7 100-27 100) Cooling Capacity (kWatt) 2.64 (0.91-3.40) 3 52 (1 11-4 16) 5 28 (1 82-6 13) 7 03 (2 08-7 95) Heating Capacity (Btu/h) 0.000 (2.800-11.500 13.000 (3.700-14.400 19.000 (4.700-23.00) 25.000 (5.500-30.000 Heating Capacity (kWatt) 2.93 (0.82-3.37) 3.81 (1.08-4.22) 5.57 (1.38-6.74) 7.33 (1.61-8.79) Pdesign (kW) 2.8 3.6 5.2 7.0 **Energy Class** Cooling 6.3 6.1 7.1 6.1 SEER Annual Power 156 211 256 412 Consumption (kWh/year) 2.6 2.7 4.1 4.8 Pdesign (kW) Seasonal **Energy Class** Efficiency Heating 40 40 4.0 4.0 SCOP ddlo Zo to FN14825) Annual Power 910 945 1.435 1.697 Consumption (kWh/year 2.6 2.5 4.2 6.4 Pdesign (kW) Inergy Cl Heating SCOP 5.1 5.1 5.1 5.1 (Warm Zone) Annual Power 714 1 757 686 Consumption ( Voltage/Frequency/Phase (V/Hz/Ph) 220-240/50/ 220-240/50/1 220-240/50/ 220-240/50/ 3.18 (0.4-5.4) 5.24 (0.5-6.9) 6.90 (0.6-10.3) 10.20 (0.7-13.3) Cooling Current Input (A) 3.18 (0.5-5.2) 4.73 (0.4-6.9) 10.20 (1.1-13.3) Heating 6.40 (0.9-10.5) 730 (100-1.240) 1.210 (130-1.580) 1.539 (140-2.360) 2.345 (160-2.960) Cooling Power Input (W) Heating 730 (120-1.200) 1.090 (100-1.680) 1.480 (200-2.410) 2.035 (260-3.140) Air Flow Volume 466/360/325 540/430/314 840/680/540 980/800/640 (High/Medium/Low) (m<sup>3</sup>/h Indoor unit 21/25/32/38.5 22/25/34 5/40 5 25/30/37/44 28/34 5/42/44 5 Noise Level (Silent/Low/M [dB(A)] 55.5 599 Outdoor unit Indoor unit Sound Power Leve [dB(A)] Outdoor unit Compressor Type ROTARY ROTAR ROTARY Liquid line | Gas line 1/4" | 3/8 1/4" | 1/2 3/8" | 5/8 Power Supply Wire Outdoor / Fuses 3x1 5/10 3x2 5/16 3x2 5/16 3x1 5/10 (Noxmm<sup>2</sup>)/(A) Signal Wires (Noxmm<sup>2</sup>) 5x1 5 5x1.5 5x1 5 5x1 5 05x194x2 R05x194x2 957x213x30 .040x220x32 Dimensions (WxDxH) (mm) Net Weight (kg) .6/23. Refrigerant/Charge (g) R32/1.60 -15~50 Outdoor Operation Cooling Temperature Range (°C) 15~30 Heating -15~-30 -15~30

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High Density

Air Dust Filter

Turbo

Mode

P

Follow Me

5 Grades

Outdoor

### Sterilization HEPA Filter

The Sterilization HEPA Filter removes even the smallest suspended particles from the atmosphere, such as germs, viruses, pollen, smoke, etc., cleaning the atmosphere in your place and reducing the possibilities of allergic reactions.

#### 

# Wi-Fi Standard

Create the perfect atmosphere in your home wherever you are and save energy through Wi-Fi. Free download the Invmate II app via Google Play or App Store and control easily and efficiently your air conditioner through your smartphone or tablet, thanks to the multiple features of the app.



#### Hotel Menu

Save up to 70% energy with the especially designed set of functions of the Hotel Menu that contributes to the better and more economical operation of the air conditioners installed in the hotel units.

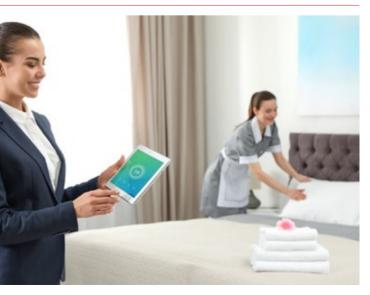
The photo of the outdoor unit of Premium series presented in this catalogue refers to the models PR1VO32-18 & PR1VO32-24.











# **CHilly**







#### Window Kit

Installing your portable air conditioner becomes a breeze thanks to the especially designed Window Kit! The window slider easily adjusts to the most types of windows, offering easy installation and loss reduction.



Model	CHLCO-09WK	
Cooling Capacity (Btu/h)	9.000	Contraction of the second
Cooling Capacity (kWatt)	2.64	24-Hours Timer
Energy Class	A	
EER	2.6	74.
Voltage/Frequency/Phase (V/Hz/Ph)	220-240/50/1	
Current Input (A)	4.35	Auto Restart
Power Input (W)	1.000	Restart
Air Flow Volume (High/Low) (m <sup>3</sup> /h)	295/195	
Dehumidifying Volume (U/h)	2.12	LED
Noise Level (Low/High) [dB(A)]	46.9/51.9	Digital
Sound Power Level [dB(A)]	63	LED Displa
Compressor Type	ROTARY	
Dimensions (WxDxH) (mm)	345x380x723	
Net Weight (kg)	25.3	
Refrigerant/Charge (g)	R290/170	Water Draina Conduit















Remote Control





Magic







### Air Cooler & Heater

Ideal solution for places that can't have a permanent built-in unit. Adjust the temperature in your place and enjoy excellent cooling or heating performance throughout the year easily, quickly and economically!

Model		
Cooling Capacity (Btu/h)		
Cooling Capacity (kWatt)		
Heating Capacity (Btu/h)		
Heating Capacity (Btu/h)		
Energy Class (Cooling/Heating)		
EER		
СОР		
Voltage/Frequency/Phase (V/Hz/Ph)		
Current Input (A)	Cooling	
	Heating	
Power Input (W)	Cooling	
rower input (w)	Heating	
Air Flow Volume (High/Medium/Low) (m <sup>3</sup> /		
Dehumidifying Volume (L/h)		
Noise Level (Low/Medium/High) [dB(A)]		
Sound Power Level [dB(A)]		
Compressor Type		
Dimensions (WxDxH) (mm)		
Net Weight (kg)		
Refrigerant/Charge (g)		





M2GHP290-12	
12.000	
3.52	
10.000	
2.93	
A/A+	
2.6	
2.8	
220-240/50/1	
5.9	
5.0	
1.350	
1.045	
420/370/355	
3.25	
54/54.3/54.5	
64	
ROTARY	
467x397x765	
34.4	
R290/230	











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Remote Control





052020





**INVENTOR A.G. S.A.** 

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