

RESIDENTIAL AIR CONDITIONERS 2020/2021

Panasonic®



- Please read the Installation Instructions carefully before installing the unit, and the Operating Instructions before using it.
- Specifications are subject to change without prior notice.
- The contents of this catalogue are accurate as of December 2019.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely for the purpose of illustrating a point.



Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of other refrigerant.

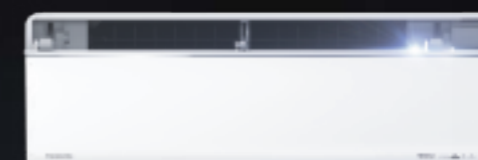
Authorised Dealer



Built-in Independent Air Purifier
Only 25W/hour with cooling OFF



Control at Home/Away



ELITE INVERTER
SKY SERIES



AERO ELITE INVERTER
AERO SERIES



SKYWING | AEROWINGS | **INVERTER**



TRUNG TÂM HỖ TRỢ KHÁCH HÀNG - TƯ VẤN MIỄN PHÍ CÁC DỊCH VỤ

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hoặc (024) 3767 7360

Từ 8h15 - 17h30 Thứ 2 đến Chủ Nhật

www.panasonic.com/vn

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Panasonic Global Air Conditioner

Global Site : aircon.panasonic.com

PROClub : panasonicproclub.global

[airconpanasonicglobal](https://www.youtube.com/airconpanasonicglobal)

AC-VN-C-20

QUALITY AIR FOR LIFE

A Better Life, A Better World

Air Efficiency

CSPF | **R32** REFRIGERANT

Cooling Seasonal Performance Factor

The New Ratings Based on Seasonal Energy Efficiency

Panasonic Air Conditioners not only achieved high EER for rated operations, but also with a high Cooling Seasonal Performance Factor - a more realistic energy efficiency measurement based on customer's actual environment of use over an entire year.

CSPF ratings measure annual energy consumption and efficiency, taking into account temperature fluctuations and standby periods to give more accurate and realistic indications of typical energy efficiency over an entire cooling season.

The Advantages of Seasonal Efficiency VS Rated Efficiency

Factor	Nominal	CSPF
Temperature	One point of temperature conditions, e.g., outdoor temperature 35°C for cooling. In reality, outdoor temperature continuously changes.	Adopts several rating temperatures for cooling, reflecting actual performance over an entire cooling season.
Cooling Capacity	Calculates based on full capacity. Hence, difficult to justify the benefits of INVERTER technology.	Integrate operations at partial load instead of full capacity. Benefits of INVERTER can be easily identified.



Definition of Cooling Seasonal Performance Factor (CSPF)

Ratio of the total amount of heat that the equipment can remove from the indoor air when operated for cooling during the cooling season to the total amount of energy consumed by the equipment during the same period.

Sustainable Refrigerant

An Environmentally-Friendly Refrigerant



REFRIGERANT PROPERTIES OF R22, R32, and R410A

	R-32	R410A	R-22
Composition	Single Component	2 Components	Single Component
Chemical Formula	CH ₂ F ₂	CH ₂ F ₂ / CHF ₂ CF ₃	CHClF ₂
Boiling Point (°C)	-51.7	-51.5	-40.8
Ozone Depletion Potential (ODP)	0	0	0.055
Global Warming Potential (GWP)	675	2090	1810
Pressure	1.6 x	1.6 x	1x
Refrigerant Oil	Synthetic Oil (FW50S)	Synthetic Oil (FW50S)	Mineral Oil
Toxicity	None	None	None
Flammability	A2L Mildly flammable	A1 Non-flammable	A1 Non-flammable

HIGHER COOLING CAPACITY

R32 has higher cooling capacity thereby increases heat transfer efficiency.

REDUCE ENERGY COSTS

It consumes less energy, helping you to save on electricity costs.

ECO FRIENDLY

R32 has zero impact on the ozone layer, therefore it is environmentally friendly.

Durability

Durability

Highly Durable Outdoor Unit for Corrosion Resistance

Panasonic's outdoor unit provides high level durability for an extended time under a wide range of conditions to achieve excellent performance.



HIGHLY DURABLE OUTDOOR UNIT

Blue Fin Condenser

- Improves durability
- Protects condenser against corrosion from air, water and other corrosive
- Anti-rust



Copper Tube Condenser

- Better heat transfer
- Higher cooling capacity
- Easy to clean and maintain



TOUGH SHIELD Casing*

Panasonic "TOUGH SHIELD Casing" comes with a highly durable composition of

- Zinc
- Magnesium
- Aluminium
- Silicon

This protective layer of coating works effectively in suppressing the development of corrosion particularly on flat and cut-end surfaces.

* Applicable for STANDARD INVERTER with nanoe™ X only.

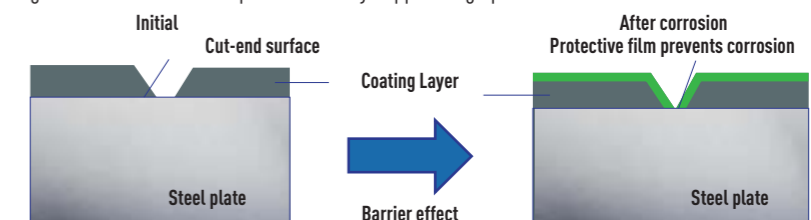


Water Resistant PCB

- Contact sections on Printed Circuit Board (PCB) are resin-potted
- Prevent adverse effects by unlikely contact with droplets of water

Barrier Effect: Corrosion Preventive Mechanism on Cut-End Surface

Coating component melts and forms a tight protective film creating "Barrier Effect". This provides good corrosion resistant performance by suppressing spread of corrosion on cut-end surfaces.



CSPF

R32 REFRIGERANT