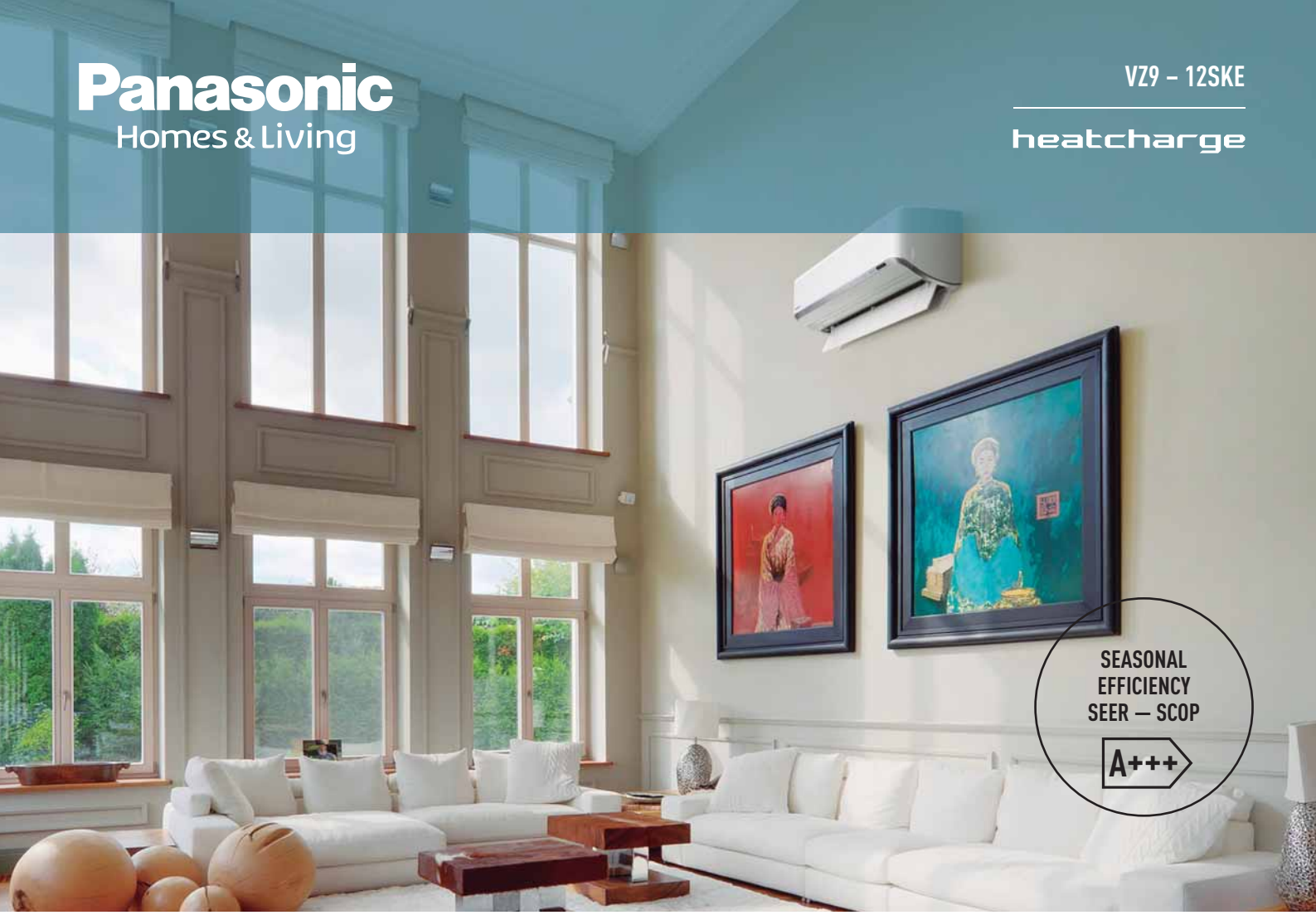
Panasonic
Homes & Living

VZ9 – 12SKE

heatcharge



Performance tested at -35ºC

New Heatcharge. Powerful, reliable heating even at low ambient winter temperatures

Heating power and efficiency

- **NEW!** R32 gas environmental friendly
- **NEW!** design
- Performance tested at -35ºC Outdoor temperature
- Energy Charge System. Heat storage unit which realizes NON-STOP heating and fast heating function
- Maximum efficiency and comfort with Econavi sunlight detection
- Nanoe air purifying system, 99% effective on both airborne and adhesive mould, viruses and bacteria
- Super Quiet! Only 18 dB(A), equivalent to night-time in the country
- More powerful airflow to quickly reach the desired temperature

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38% ECONAVI
The sensor determines the human activity level and adjust the air flow orientation for maximum comfort and savings.

A+++ 10,50 SEER
Exceptional Seasonal Cooling Efficiency based on the new ErP regulation. Higher SEER ratings mean greater efficiency.

A+++ 6,20 SCOP
Exceptional Seasonal Heating Efficiency based on the new ErP regulation. Higher SCOP ratings mean greater efficiency. Save all the year while heating!

INVERTER+
The A Inverter system provides energy savings of up to 50%. Both you and nature wins!

R2 ROTARY COMPRESSOR
Panasonic R2 Rotary Compressor. Designed to withstand extreme conditions, it delivers high performance and efficiency.

99% nanoe
Utilises nano-technology fine particles to purify the air in the room. It works effectively on airborne and adhesive micro-organisms such as bacteria, viruses and mould.

18dB(A) SUPER QUIET
With Super Quiet technology our devices are as quiet as a library.

-35°C HEATING MODE
Heating performance tested at -35ºC by SP, European third party laboratory.

SUMMER HOUSE
This innovative function keeps the house at 7/8°C to avoid freezing pipes during the winter. This function is highly appreciated in summer house or week end houses.

R410A R22 R32 R410A/R22 RENEWAL
The Panasonic renewal system allows good quality existing R410A R22 pipe work to be re-used whilst installing new high efficiency R32 systems.

INTERNET CONTROL
Control your air conditioning from wherever you are. Using smartphone, tablet or PC via internet.

BMS CONNECTIVITY
Integrated into the indoor unit provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.

5 YEARS COMPRESSOR WARRANTY
5 Years Warranty. We guarantee the compressors in the entire range for five years.

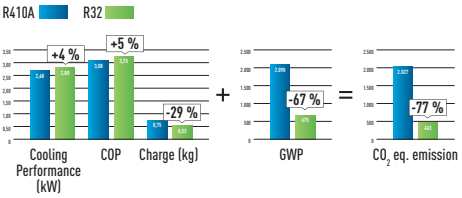
R32 NEW REFRIGERANT GAS
Our heat pumps containing the new refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP).

Wall Mounted Heatcharge VZ Inverter+ • R32 GAS

We believe that going green shouldn't compromise on comfort. That's why Panasonic is introducing the new Econavi system; combining human sensor and control program technology to detect and reduce energy waste by 38% .
Our super silent air conditioners guarantee the purest air to take care of you and your family. And, for a cleaner living environment, the new Nanoe helps purify the air as well as your surroundings. Together, these breakthrough technologies define what Panasonic's Eco Clean Life Innovation is all about – innovations that improve our environment while making life as comfortable as possible.

Panasonic recommended R32 because it is environmental friendly

Compared to R22 and R410A, R32 has a very low potential impact on the depletion of ozone layer and global warming
In line with the European Countries who are concern in protecting and maintaining the environment by participating the Montreal Protocol to rectify one of its program in protecting the Ozone Layer and preventing Global Warming, Panasonic as the producer and maker of electronic products whom are close to the community has been actively making this program successfully on an ongoing basis.



Heating power and efficiency

- Energy Charge System. Heat storage unit which features Non-Stop heating and fast heating function
- Maximum efficiency and comfort with Econavi sunlight detection and human activity detection
- Nanoe air purifying system
- More powerful airflow to quickly reach the desired temperature

Panasonic's new full line-up of A+++ heat pumps

In response to the Kyoto Protocol, the European Union set some challenging targets for the reduction in greenhouse-gas emissions. By the year 2020, across the member states, the EU wants to have achieved the following objectives:
- A 20% cut in greenhouse gas emissions (from 1990 base levels)
- The share of renewables in the energy mix to increase by 20%
- An overall reduction of 20% in energy consumption

Constant heating

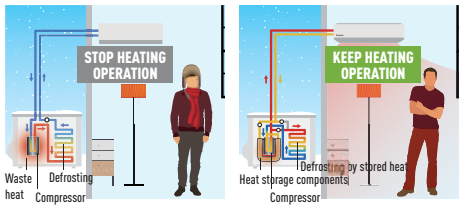
Using stored heat provides stable heating with less drop in temperature.
Even when heating operation stops during defrost operation, stored heat continues to constantly warm the room. This eliminates the previous discomfort due to the temperature dropping when heating temporarily stops to ensure stable air conditioner heating.

Powerful, reliable heating even at low ambient winter temperatures

When the air conditioner is operating, the compressor, which is the power source of the unit, generates heat. Until now, this heat was released into the atmosphere. Panasonic focused on this waste heat! Heatcharge is a unique, innovative Panasonic technology that stores this waste heat in the compressor and effectively uses it as heating energy. This lets you enjoy a new level of air conditioner heating power and efficiency.

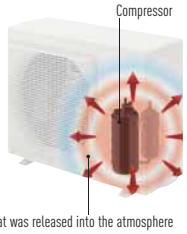
Conventional: The room gradually becomes cold
Defrost operation: About 11 to 15 min.
Fall in room temperature: About 5 to 6°C

Heatcharge: The room is thoroughly warmed
Defrost operation: About 5 to 6 min.
Fall in room temperature: About 1 to 2°C



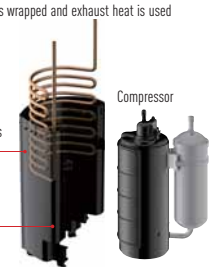
* Defrost operation time and how low room temperature falls differ depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
* Output air temperature falls during defrost operation. How low room temperature falls differs depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
* In environments where a lot of frost accumulates, heating may stop during defrost operation.

Conventional
During operation, heat is generated inside the compressor.



Heatcharge
Heat generated by the compressor is stored inside and used to warm the refrigerant to efficiently increase heating power.

Heatcharge unit
The compressor is wrapped and exhaust heat is used for charging.



CU-VE9NKE
CU-VE12NKE

Included

Kit			KIT-VZ9-SKE	KIT-VZ12-SKE
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,60 - 3,00)	3,50 (0,60 - 4,00)
SEER	**Nominal**	**W/W**	**10,50** A+++	**10,00** A+++
Power input cooling	Nominal (Min - Max)	kW	0,430 (0,140 - 0,610)	0,800 (0,140 - 1,010)
Annual electricity consumption (cooling) [2]		kWh/a		
Heating capacity	Nominal (Min - Max)	kW	3,60 (0,60 - 7,80)	4,20 (0,60 - 9,20)
Heating capacity at -7 °C	Nominal	kW	5,00	5,60
SCOP	**Nominal**	**W/W**	**6,20** A+++	**5,90** A+++
Power input heating	Nominal (Min - Max)	kW	0,640 (0,140 - 2,720)	0,830 (0,140 - 3,160)
Sound pressure level [3]	Cooling — Heating (Hi / Lo / Q-Lo)	dB(A)	44 / 27 / 18 — 44 / 26 / 18	45 / 33 / 18 — 45 / 29 / 18
Indoor Dimensions / Net weight	H x W x D	mm / kg	295 x 890 x 375 / 14,5	295 x 890 x 375 / 14,5
Outdoor Dimensions [4] / Net weight	H x W x D	mm / kg	630 x 799 x 299 / 41,5	630 x 799 x 299 / 41,5

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 70mm for piping port.

Panasonic

To find out how Panasonic cares for you, log on to: www.aircon.panasonic.eu

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heating & cooling solutions