

**NEW**  
2012

**Panasonic**  
ideas for life

SCOP  
**A+++**

heatcharge

## THE NEW HEATCHARGE HEATING POWER AND EFFICIENCY

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

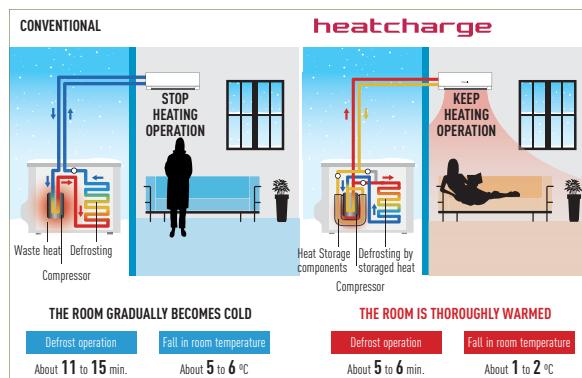
constant heating

HEATCHARGE

### CONSTANT HEATING

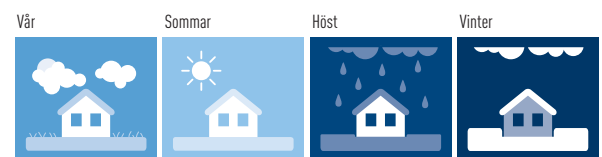
**Using stored heat provides stable heating with less drop in temperature**

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 assure stable air conditioner heating.



- \* 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.

### PANASONIC 1X4. KOMFORT ÅRET OM



### 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.

**You can check the charge level with the remote control**

Press the Information button and the level is displayed in five stages (from 0 to 4).



# SUNLIGHT DETECTION

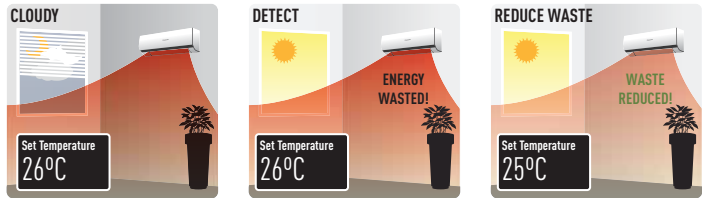
ECONAVI detects changes in sunlight intensity in the room and judges whether it is sunny or cloudy/night and reduces energy consumption by adjusting cooling requirements under less sunny conditions. ECONAVI automatically adjusts cooling power to save energy efficiently, whilst still providing uninterrupted cooling comfort and convenience.



## INTELLIGENT ECO SENSORS ECONAVI

### NEW SUNLIGHT DETECTION (ON HEATING MODE)

ECONAVI detects changes in sunlight intensity in the room and judges whether it is sunny or cloudy/night. It reduces the waste of heating under more sunlight conditions. When weather changes from cloudy/night to sunny, ECONAVI detects more sunlight intensity and determines less heating power is required.



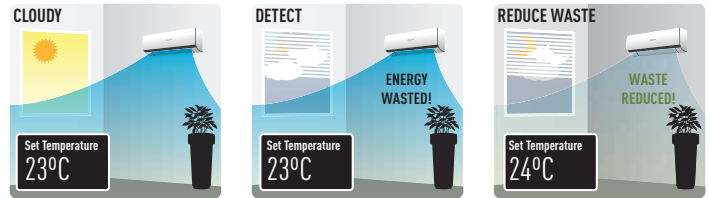
ECONAVI is switched on when it is Cloudy/ Night.

ECONAVI detects less heating power is required.

Reduces heating power by an amount equivalent to decreasing the set temperature by 1 °C.

### NEW SUNLIGHT DETECTION (ON COOLING MODE)

ECONAVI detects changes in sunlight intensity in the room and judges whether it is sunny or cloudy/night. It reduces waste energy by reducing cooling under less sunny conditions. When weather changes from sunny to cloudy/night, ECONAVI detects less sunlight intensity and determines less cooling power is required.



ECONAVI is switched on when it is Sunny.

ECONAVI detects less cooling power is required.

Reduces cooling power by an amount equivalent to increasing the set temperature by 1 °C.



## CONTROL YOUR AIR CONDITIONER WITH YOUR SMART DEVICE

Panasonic has always offered its customers the most efficient Heat Pumps and Air Conditioners. Now it has taken a step forward and presents a control solution taking advantage of the latest Cloud Technology to enable you to manage your climate system from anywhere in the world. Control your environment from your iPad, iPhone, any Android device or from a PC with Internet access using this add-on service. Offering the same functions as if you were at home: start/stop, Mode Operation, Set Temperature, Room Temperature etc.



Max Capacity			7,70 kW	8,40 kW
Indoor			CS-VE9NKE	CS-VE12NKE
Outdoor			CU-VE9NKE	CU-VE12NKE
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,60 - 7,70)	4,20 (0,60 - 8,40)
Heating capacity at -7 °C	Nominal	kW	77	5,60
COP <sup>1)</sup>	Nominal (Min - Max)	Energy Saving	5,47 <b>A</b>	4,91 <b>A</b>
SCOP*	Nominal	Energy Saving	5,40 <b>A+++</b>	5,10 <b>A+++</b>
P Design at -10 °C		kW	3,2	4,2
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,60 - 3,00)	3,50 (0,60 - 4,00)
EER <sup>1)</sup>	Nominal (Min - Max)	Energy Saving	5,15 <b>A</b>	3,98 <b>A</b>
SEER*	Nominal	Energy Saving	8,60 <b>A+++</b>	8,50 <b>A+++</b>
Dimensions	Indoor / Outdoor (H x W x D)	mm	295 x 890 x 275 / 623 x 799 x 299	295 x 890 x 275 / 623 x 799 x 299
Sound pressure Level (Outdoor) <sup>2)</sup>	Cooling / Heating (Hi)	dB(A)	49 / 49	50 / 50
Operating range <sup>3)</sup>	Cooling Min / Max	°C	-10 / +43	-10 / +43
	Heating Min / Max	°C	-25 / +24	-25 / +24

\* Preliminary data. Specifications subject to change without notice.

Rating Conditions: Cooling: Indoor 27°C DB 19°C WB, Outdoor 35°C DB 24°C WB. Heating: Indoor 20°C DB, Outdoor 7°C DB 6°C WB. DB: Dry Bulb; WB: Wet Bulb.

1) EER and COP classification is at 230 V in accordance with EU directive 2003/31/EC. 2) 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. 3) Operation possible on heating mode up to -25 °C tested by SP. Performance guaranty on heating mode up to -20 °C.

The A Inverter system provides energy savings of up to 50%. You win and nature wins.

Nano-e-G utilises nanotechnology to purify the air in the room. It works effectively ensuring a cleaner living environment.

Econavi Sunlight Sensor detect and reduce waste by optimising air conditioner operation according to room conditions. With just one touch, you save energy efficiently.

With Super Quiet technology our devices are as quiet as a library.

The air conditioner works in heat pump mode with an outdoor temperature as low as -25 °C.

Fritidshuslä ge. Du kan Även använda Underhållsvärme, +8 °C/+10 °C grader. På Så sätt förhindrar du att Temperaturen i huset går Ner mot fryspunkten under de kallaste vintermånaderna samtidigt som minimal mängd energi för uppvärmning förbrukas.

This innovative technology charges heat and uses it for heating. You can enjoy incredibly powerful, comfortable air conditioner heating.

The communication port provides easy connection and control of your heat pump to your home or building management system.

5 years warranty on compressor. For more information, contact your dealer.

# Panasonic®

To find out how Panasonic cares for you, log on to: [www.panasonic.eu](http://www.panasonic.eu)

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