

NEW

Panasonic

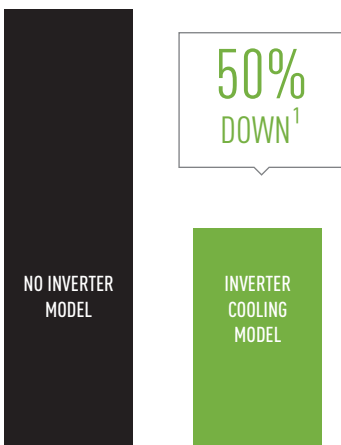


## NEW UE SERIES INVERTER POWERFUL AND EFFICIENT

- New design
- Quieter indoor units
- High energy savings
- 12-hr remote control timer
- Long connection distance

## INVERTER

### Electricity Consumption Comparison



DURING COOLING UP TO 50%<sup>1</sup> ENERGY SAVINGS.

1. Comparison of 1.5 HP Inverter model and 1.5 HP No Inverter model (Cooling)

Outside temperature: 35 °C / 24 °C. Remote setting temperature: 25 °C with Fan speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: Front.

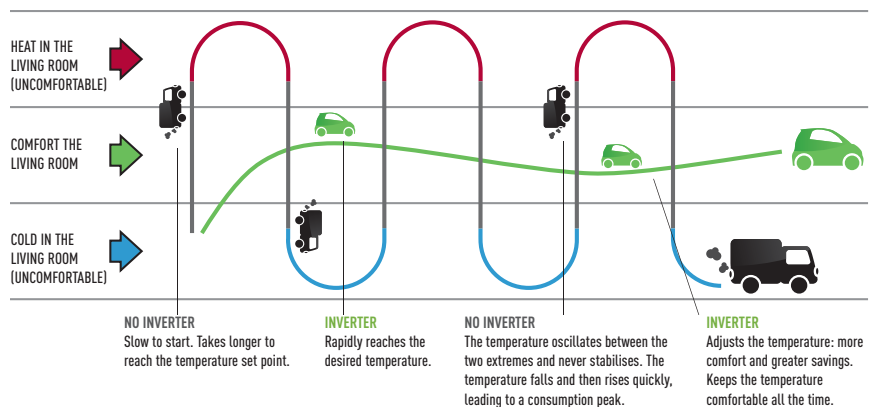
Total power consumption amount are measured for 8 hours from starting. At Panasonic Amenity Room (size: 16.6 m<sup>2</sup>) This is the maximum energy savings value, and the effect differs according to conditions in installation and usage.

### Inverter technology exceptional energy-saving performance

Panasonic Inverter air conditioners are designed to give you exceptional energy savings and performance, whilst also ensuring you stay comfortable at all times. At the start up of an air conditioner's operation, powerful operation is required to reach the set temperature. After the set temperature is reached, less power is required to maintain it. A conventional non-Inverter air conditioner can only operate at a constant speed which is too powerful to maintain the set temperature. Thus, in attempting to achieve this, it switches the compressor ON and OFF repeatedly. This results in wider temperature fluctuations leading to wasteful consumption of energy. The Panasonic Inverter air conditioner varies the rotation speed of the compressor. This provides a highly precise method of maintaining the set temperature. Unlike a conventional non-Inverter air conditioner which consumes a lot of energy, Panasonic Inverter air conditioner reduces wasteful operation - giving you energy savings of up to 50%<sup>1</sup> on cooling mode.

### The advantages of inverter air conditioners.

#### Comparing Inverter and non-Inverter air conditioners.



**WALL MOUNTED UE TYPE  
STANDARD INVERTER**

**KIT-UE9-PKE // KIT-UE12-PKE**

**HEALTHY AIR**

- Odour-removing function
- Anti-mould filter

**ENERGY, EFFICIENCY AND ECOLOGY**

- Inverter system
- R410A refrigerant gas

**EASE OF USE**

- 12-hr timer
- User friendly infrared remote control

**COMFORT**

- Super Quiet mode
- Powerful mode
- Automatic vertical airflow control
- Hot start mode
- Automatic restart

**EASY INSTALLATION AND MAINTENANCE**

- Maximum connection distance 15 m
- Removable, washable panel



CU-UE9PKE  
CU-UE12PKE

| Kit  |                                    |                             | KIT-UE9-PKE                 | KIT-UE12-PKE                |
|--|------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| Indoor   |                                    |                             | CS-UE9PKE                   | CS-UE12PKE                  |
| Outdoor  |                                    |                             | CU-UE9PKE                   | CU-UE12PKE                  |
| Cooling capacity                                       | Nominal (Min - Max)                | kW                          | 2.50 (0.90-3.00)            | 3.50 (0.90-3.90)            |
|  | Nominal (Min - Max)                | kCat/h                      | 2,150 (770-2,580)           | 3,010 (770-3,350)           |
| EER <sup>1)</sup>                                      | Nominal (Min - Max)                | Energy Saving               | 3.57 (4.74-3.00) ◀A         | 3.47 (5.29-3.25) ◀A         |
| SEER   | Nominal                            | Energy Saving               | 5.6 ◀A+                     | 5.6 ◀A+                     |
| Pdesign (cooling)                                      |                                    |                             | 2.5                         | 3.5                         |
| Power input Cooling                                    | Nominal (Min - Max)                | kW                          | 0.70 (0.19-1.00)            | 1.01 (0.17-1.2)             |
| Annual electricity consumption (cooling) <sup>2)</sup> |                                    | kWh                         | 156                         | 219                         |
| Heating capacity                                       | Nominal (Min - Max)                | kW                          | 3.30 (0.90-3.90)            | 4.25 (0.90-4.90)            |
|  | Nominal (Min - Max)                | kCat/h                      | 2,840 (770-3,350)           | 3,660 (770-4,210)           |
| Heating capacity at -7°C                               | Nominal                            | kW                          | 2.83                        | 3.55                        |
| COP <sup>3)</sup>                                      | Nominal (Min - Max)                | Energy Saving               | 4.02 (5.29-3.39) ◀A         | 3.79 (6.00-3.35) ◀A         |
| SCOP   | Nominal                            | Energy Saving               | 3.4 ◀A                      | 3.4 ◀A                      |
| Pdesign at -10 °C                                      |                                    | kW                          | 2.5                         | 3.2                         |
| Power input Heating                                    | Nominal (Min - Max)                | kW                          | 0.82 (0.17-1.15)            | 1.12 (0.15-1.46)            |
| Annual electricity consumption (heating) <sup>2)</sup> |                                    | kWh                         | 1029                        | 1318                        |
| <b>Indoor Unit</b>                                     |                                    |                             |                             |                             |
| Power source   |                                    | V                           | 230                         | 230                         |
| Recommended Fuse                                       |                                    | A                           | 16                          | 16                          |
| Recommended power cable section                        |                                    | mm <sup>2</sup>             | 1.5                         | 1.5                         |
| Connection indoor / outdoor                            |                                    | mm <sup>2</sup>             | 4 x 1.5                     | 4 x 1.5                     |
| Current (Nominal)                                      | Cooling / Heating                  | A                           | 3.3 / 3.8                   | 4.7 / 5.2                   |
|  | Max. current                       | A                           | 6.3                         | 8.4                         |
| Air Volume   | Cooling / Heating                  | m <sup>3</sup> /h           | 750 / 666                   | 750 / 750                   |
|  | Moisture removal volume            | l/h                         | 1.4                         | 2.0                         |
| Sound pressure Level <sup>3)</sup>                     | Cooling - Heating (Hi / Lo / S-Lo) | dB(A)                       | 42 / 27 / 22 - 42 / 27 / 25 | 42 / 30 / 22 - 42 / 33 / 25 |
| Sound power Level                                      | Cooling / Heating (Hi)             | dB                          | 58 / 58                     | 58 / 58                     |
| Dimensions   | H x W x D                          | mm                          | 290 x 848 x 213             | 290 x 848 x 213             |
| Net weight   |                                    | kg                          | 8                           | 8                           |
| <b>Outdoor Unit</b>                                    |                                    |                             |                             |                             |
| Air Volume   | Cooling / Heating                  | m <sup>3</sup> /h           | 1,902 / 1,842               | 1,956 / 1,896               |
|  | Sound pressure Level <sup>3)</sup> | Cooling (Hi) / Heating (Hi) | dB(A)                       | 47 / 48                     |
| Sound power Level                                      | Cooling (Hi) / Heating (Hi)        | dB                          | 63 / 64                     | 64 / 66                     |
| Dimensions <sup>4)</sup>                               | H x W x D                          | mm                          | 540 x 780 x 289             | 540 x 780 x 289             |
| Net weight   |                                    | kg                          | 23                          | 26                          |
| Piping connections                                     | Liquid / Gas pipe                  | inch (mm)                   | 1/4" (6.35) / 3/8" (9.52)   | 1/4" (6.35) / 3/8" (9.52)   |
| Refrigerant Loading                                    | R410A                              | kg                          | 0.77                        | 0.86                        |
| Elevation difference (in/out)                          | Max                                | m                           | 10                          | 10                          |
| Piping length  | Min / Max                          | m                           | 3-15                        | 3-15                        |
| Precharge length                                       | Max                                | m                           | 7                           | 7                           |
| Additional gas   |                                    | g/m                         | 20                          | 20                          |
| Operating range  | Cooling Min / Max                  | °C                          | +16 / +43                   | +16 / +43                   |
|  | Heating Min / Max                  | °C                          | -10 / +24                   | -10 / +24                   |

Rating Conditions: Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. (DB: Dry Bulb; WB: Wet Bulb)  
Connectivity restriction: JKE units are not compatible with PKE units.

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 70 mm for piping port.

Specifications subject to change without notice.

For detailed information about ErP, please visit our page <http://www.doc.panasonic.de>

**A class energy saving**  
INVERTER  
Inverter System. The Inverter range provides greater efficiency, more comfort and less noise than classic air conditioners. The Inverter system provides more precise temperature control, and keeps the ambient temperature constant with lower energy consumption and a significant reduction in noise and vibration levels.

**High air flow**  
POWERFUL MODE  
Powerful Mode. The rapid and effective powerful mode is ideal for when you come home on the hottest or coldest days. It works at maximum power to reach the desired temperature in 15 minutes.

**Silent air 22 dB**  
SUPER QUIET  
Super Quiet Mode. Thanks to its latest generation compressor and its twin blade fan, our outdoor unit is one of the most silent on the market. The indoor unit emits an almost imperceptible 22 dB.

**R2**  
New Panasonic R2 Rotary Compressor. Designed to withstand extreme conditions, Panasonic Rotary delivers high performance, efficiency and reliable service, no matter where you are.

**5 year compressor warranty**  
5 Years Warranty. We guarantee the compressors in the entire range for five years.

**Panasonic**

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

Contact Details: Telephone: 01344 853182 / [www.panasonic.co.uk/aircon](http://www.panasonic.co.uk/aircon)  
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