

## Solutions for server rooms

High efficiency products for 24/7 applications. Panasonic has developed a complete range of solutions for server rooms which efficiently protect your servers, keeping them at an appropriate temperature even when the outdoor temperature is below  $-25^{\circ}\text{C}$ .



Not compatible with PACI NX outdoors and accessories. Domestic range sales conditions may apply. Check with your sales representative.

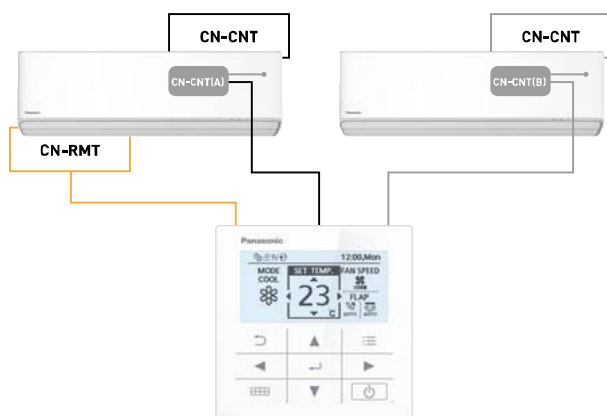


### 1 Designed for 24h/7d a week operation

High efficiency all year round. This wall-mounted air conditioner is designed for professional, critical applications such as computer rooms where reliable cooling inside the room is necessary even with extreme ambient conditions.

### 2 New remote controller for better usability

New wired remote controller, which can assure the operation 24/7 of two server room units, thanks to the integrated duty rotation mode. This function manages rotation and back-up of two units and it is available when connecting an optional CN-CNT cable (CZ-RCC5) between the controller and each of the two indoor units.

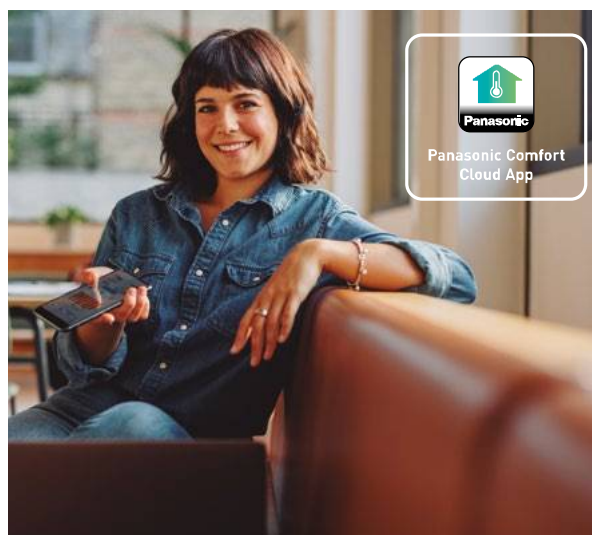


### 3 Highest energy rating in cooling

The SEER and SCOP of the Server room unit has been further improved to achieve top class energy efficiency. The 3,5 kW unit reaches now the SEER value of 9,6 (A+++).

### 4 Built-in Wi-Fi and compatible with Voice Assistant

The unit is ready to connect to the internet and to be controlled by smartphone with Panasonic Comfort Cloud App. Control, monitor energy consumption statistics and easily identify errors in case of failure.





NEW  
2022



**NEW wall-mounted Professional Inverter -25 °C · R32**

- Designed for 24h/7d a week operation
- New wired remote controller, with optional duty rotation mode
- Improved SEER / SCOP to achieve top class energy efficiency
- Aerowings 2.0, for a better control of the airflow
- Built-in Wi-Fi for instant connectivity via Panasonic Comfort Cloud App
- Compatible with Google Assistant and Amazon Alexa
- Chassis and parts designed for easier installation

| Kit                                     |                       |                     | KIT-Z25-YKEA      | KIT-Z35-YKEA      | KIT-Z42-YKEA      | KIT-Z50-YKEA      | KIT-Z71-YKEA      |
|---|-----------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Cooling capacity                        | Nominal (Min-Max)     | kW                  | 2,50 (0,85-3,50)  | 3,50 (0,85-4,20)  | 4,20 (0,85-5,00)  | 5,00 (0,98-6,00)  | 7,10 (0,98-8,50)  |
| EER <sup>1)</sup>                       | Nominal (Min-Max)     | W/W                 | 4,90 (4,72-3,98)  | 4,12 (4,72-3,68)  | 3,82 (4,72-3,25)  | 3,68 (3,92-3,16)  | 3,23 (2,33-2,83)  |
| <b>SEER <sup>2)</sup></b>               |                       |                     | <b>9,5 A+++</b>   | <b>9,6 A+++</b>   | <b>8,6 A+++</b>   | <b>8,6 A+++</b>   | <b>6,5 A++</b>    |
| Pdesign                                 |                       | kW                  | 2,50              | 3,50              | 4,20              | 5,00              | 7,10              |
| Input power                             | Nominal (Min-Max)     | kW                  | 0,51 (0,18-0,88)  | 0,85 (0,18-1,14)  | 1,10 (0,18-1,54)  | 1,36 (0,25-1,90)  | 2,20 (0,42-3,00)  |
| Annual energy consumption <sup>3)</sup> |                       | kWh/a               | 92                | 128               | 171               | 203               | 382               |
| Heating capacity                        | Nominal (Min-Max)     | kW                  | 3,40 (0,85-5,00)  | 4,00 (0,85-5,80)  | 5,30 (0,85-6,80)  | 5,80 (0,98-8,00)  | 8,20 (0,98-10,20) |
| Heating capacity at -7 °C               |                       | kW                  | 3,05              | 3,40              | 4,11              | 4,80              | 6,31              |
| COP <sup>1)</sup>                       | Nominal (Min-Max)     | W/W                 | 4,86 (4,72-3,97)  | 4,44 (4,72-3,87)  | 3,93 (4,72-3,66)  | 4,08 (4,26-3,35)  | 3,71 (2,45-3,29)  |
| <b>SCOP <sup>2)</sup></b>               |                       |                     | <b>4,6 A++</b>    | <b>4,6 A++</b>    | <b>4,5 A+</b>     | <b>4,6 A++</b>    | <b>4,1 A+</b>     |
| Pdesign at -10 °C                       |                       | kW                  | 2,70              | 3,20              | 3,60              | 4,20              | 5,50              |
| Input power                             | Nominal (Min-Max)     | kW                  | 0,70 (0,18-1,26)  | 0,90 (0,18-1,50)  | 1,35 (0,18-1,86)  | 1,42 (0,23-2,39)  | 2,21 (0,40-3,10)  |
| Annual energy consumption <sup>3)</sup> |                       | kWh/a               | 822               | 974               | 1120              | 1278              | 1878              |
| <b>Indoor unit</b>                      |                       |                     | <b>CS-Z25YKEA</b> | <b>CS-Z35YKEA</b> | <b>CS-Z42YKEA</b> | <b>CS-Z50YKEA</b> | <b>CS-Z71YKEA</b> |
| Power supply                            |                       | V                   | 230               | 230               | 230               | 230               | 230               |
| Recommended fuse                        |                       | A                   | 16                | 16                | 16                | 16                | 20                |
| Connection indoor / outdoor             |                       | mm <sup>2</sup>     | 4 x 1,5           | 4 x 1,5           | 4 x 1,5           | 4 x 2,5           | 4 x 2,5           |
| Air flow                                | Cool / Heat           | m <sup>3</sup> /min | 11,4/13,8         | 12,7/14,8         | 13,2/15,2         | 17,4/19,1         | 19,0/19,9         |
| Moisture removal volume                 |                       | L/h                 | 1,5               | 2,0               | 2,4               | 2,8               | 4,1               |
| Sound pressure <sup>4)</sup>            | Cool (Hi / Lo / Q-Lo) | dB(A)               | 39/25/21          | 42/28/21          | 43/28/29          | 44/37/30          | 47/38/35          |
|   | Heat (Hi / Lo / Q-Lo) | dB(A)               | 41/27/22          | 43/30/22          | 44/35/29          | 44/37/30          | 47/38/35          |
| Sound power                             | Cool / Heat (Hi)      | dB(A)               | 55/57             | 58/59             | 59/60             | 60/60             | 63/63             |
| Dimension                               | HxWxD                 | mm                  | 295 x 870 x 229   | 295 x 870 x 229   | 295 x 870 x 229   | 295 x 1040 x 244  | 295 x 1040 x 244  |
| Net weight                              |                       | kg                  | 11                | 11                | 11                | 12                | 13                |
| <b>Outdoor unit</b>                     |                       |                     | <b>CU-Z25YKEA</b> | <b>CU-Z35YKEA</b> | <b>CU-Z42YKEA</b> | <b>CU-Z50YKEA</b> | <b>CU-Z71YKEA</b> |
| Air flow                                | Cool / Heat           | m <sup>3</sup> /min | 27,6/27,6         | 29,8/29,8         | 29,8/31,0         | 39,8/36,9         | 44,7/45,8         |
| Sound pressure <sup>4)</sup>            | Cool / Heat (Hi)      | dB(A)               | 46/48             | 48/50             | 48/51             | 48/50             | 52/54             |
| Sound power                             | Cool / Heat (Hi)      | dB(A)               | 61/63             | 63/65             | 63/66             | 63/65             | 66/68             |
| Dimension <sup>5)</sup>                 | HxWxD                 | mm                  | 542 x 780 x 289   | 542 x 780 x 289   | 542 x 780 x 289   | 695 x 875 x 320   | 695 x 875 x 320   |
| Net weight                              |                       | kg                  | 30                | 30                | 30                | 40                | 45                |
| Piping diameter                         | Liquid pipe           | Inch (mm)           | 1/4 (6,35)        | 1/4 (6,35)        | 1/4 (6,35)        | 1/4 (6,35)        | 1/4 (6,35)        |
|   | Gas pipe              | Inch (mm)           | 3/8 (9,52)        | 3/8 (9,52)        | 1/2 (12,70)       | 1/2 (12,70)       | 5/8 (15,88)       |
| Pipe length range                       |                       | m                   | 3-20              | 3-20              | 3-20              | 3-30              | 3-30              |
| Elevation difference (in / out)         |                       | m                   | 15                | 15                | 15                | 15                | 20                |
| Pipe length for additional gas          |                       | m                   | 7,5               | 7,5               | 7,5               | 7,5               | 10                |
| Additional gas amount                   |                       | g/m                 | 10                | 10                | 10                | 15                | 25                |
| Refrigerant (R32) / CO <sub>2</sub> Eq. |                       | kg / T              | 0,89/0,60         | 0,89/0,60         | 0,97/0,65         | 1,13/0,76         | 1,35/0,91         |
| Operating range                         | Cool Min ~ Max        | °C                  | -25 ~ +43         | -25 ~ +43         | -25 ~ +43         | -25 ~ +43         | -25 ~ +43         |
|   | Heat Min ~ Max        | °C                  | -15 ~ +24         | -15 ~ +24         | -15 ~ +24         | -15 ~ +24         | -15 ~ +24         |

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the indoor unit shows the value measured at a position 1 m in front of the main body and 0,8 m below the unit. For outdoor unit 1 m in front and 1 m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70 mm for piping port. \* Available in February 2022. \*\* Not compatible with PACI NX outdoors and accessories. Domestic range sales conditions may apply. Check with your sales representative.

| Accessories      |   |
|------------------|---|
| <b>CZ-RCC5</b>   | CN-CNT cables x2 for server room application, control of 2 units, rotation, back-up, etc. |
| <b>PAW-WTRAY</b> | Tray for condenser water compatible with outdoor elevation platform                       |

| Accessories         |  |
|---------------------|--|
| <b>PAW-GRDBSE20</b> | Outdoor base ground support for noise and vibration absorption |
| <b>PAW-GRDSTD40</b> | Outdoor elevation platform 400x900x400 mm                      |



SEER: For KIT-Z35-YKEA. SCOP: For KIT-Z25-YKEA, KIT-Z35-YKEA and KIT-Z50-YKEA. SUPER QUIET: For KIT-Z25-YKEA. INTERNET CONTROL: Built-in Wi-Fi.

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). Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites [www.aircon.panasonic.eu](http://www.aircon.panasonic.eu) or [www.ptc.panasonic.eu](http://www.ptc.panasonic.eu).