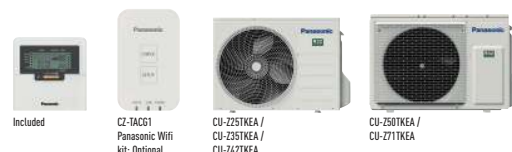


## NEW Wall Mounted Professional Inverter -20°C R32 GAS



| KIT                                         |                       |                         | KIT-Z25-TKEA         | KIT-Z35-TKEA         | KIT-Z42-TKEA          | KIT-Z50-TKEA          | KIT-Z71-TKEA          |
|---------------------------------------------|-----------------------|-------------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|
| Cooling capacity                            | Nominal (Min - Max)   | kW                      | 2,50 [0,85 - 3,00]   | 3,50 [0,85 - 4,00]   | 4,20 [0,98 - 5,00]    | 5,00 [0,98 - 6,00]    | 7,10 [0,98 - 8,10]    |
| EER <sup>1)</sup>                           | Nominal (Min - Max)   | W/W                     | 4,90 [5,00 - 4,29] A | 4,07 [5,00 - 3,64] A | 3,82 [4,90 - 3,25] A  | 3,60 [3,50 - 3,09] A  | 3,17 [2,33 - 3,03] B  |
| SEER <sup>2)</sup>                          |                       | W/W                     | 8,50 <b>A+++</b>     | 8,50 <b>A+++</b>     | 8,50 <b>A+++</b>      | 8,50 <b>A+++</b>      | 6,10 <b>A++</b>       |
| Pdesign                                     |                       | kW                      | 2,5                  | 3,5                  | 4,2                   | 5,0                   | 7,1                   |
| Input power cooling                         | Nominal (Min - Max)   | kW                      | 0,51 [0,17 - 0,70]   | 0,86 [0,17 - 1,10]   | 1,10 [0,20 - 1,54]    | 1,39 [0,28 - 1,94]    | 2,24 [0,42 - 2,67]    |
| Annual energy consumption <sup>3)</sup>     |                       | kWh/a                   | 103                  | 144                  | 173                   | 206                   | 407                   |
| Heating capacity                            | Nominal (Min - Max)   | kW                      | 3,40 [0,85 - 5,40]   | 4,00 [0,85 - 6,60]   | 5,40 [0,98 - 7,25]    | 5,80 [0,98 - 8,00]    | 8,60 [0,98 - 9,90]    |
| Heating capacity at -7°C                    |                       | kW                      | 3,33                 | 4,07                 | 4,30                  | 5,00                  | 6,13                  |
| COP <sup>1)</sup>                           | Nominal (Min - Max)   | W/W                     | 4,86 [5,15 - 4,12] A | 4,35 [5,15 - 3,63] A | 4,00 [4,45 - 3,37] A  | 4,03 [2,88 - 3,20] A  | 3,51 [2,45 - 3,47] B  |
| SCOP <sup>2)</sup>                          |                       | W/W                     | 4,50 <b>A+</b>       | 4,40 <b>A+</b>       | 4,30 <b>A+</b>        | 4,40 <b>A+</b>        | 4,00 <b>A+</b>        |
| Pdesign at -10°C                            |                       | kW                      | 2,8                  | 3,6                  | 3,8                   | 4,4                   | 5,5                   |
| Input power heating                         | Nominal (Min - Max)   | kW                      | 0,70 [0,17 - 1,31]   | 0,92 [0,17 - 1,82]   | 1,35 [0,22 - 2,15]    | 1,44 [0,34 - 2,50]    | 2,45 [0,40 - 2,85]    |
| Annual energy consumption <sup>3)</sup>     |                       | kWh/a                   | 871                  | 1145                 | 1237                  | 1400                  | 1925                  |
| Indoor unit                                 |                       |                         | CS-Z25TKEA           | CS-Z35TKEA           | CS-Z42TKEA            | CS-Z50TKEA            | CS-Z71TKEA            |
| Power source                                |                       | 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 Volume                                  | Cool / Heat           | m <sup>3</sup> /min     | 10,4 / 11,7          | 10,7 / 12,4          | 18,2 / 20,2           | 19,2 / 21,3           | 20,2 / 21,0           |
| 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 / 32 / 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          |
| Dimension / Net weight                      | H x W x D             | mm / kg                 | 295 x 919 x 194 / 9  | 295 x 919 x 194 / 10 | 302 x 1120 x 236 / 12 | 302 x 1120 x 236 / 12 | 302 x 1120 x 236 / 13 |
| Outdoor unit                                |                       |                         | CU-Z25TKEA           | CU-Z35TKEA           | CU-Z42TKEA            | CU-Z50TKEA            | CU-Z71TKEA            |
| Sound pressure <sup>4)</sup>                | Cool / Heat (Hi)      | dB(A)                   | 46 / 48              | 48 / 50              | 48 / 50               | 48 / 50               | 52 / 54               |
| Dimension <sup>5)</sup> / Net weight        | H x W x D             | mm / kg                 | 619 x 824 x 299 / 37 | 619 x 824 x 299 / 38 | 619 x 824 x 299 / 38  | 695 x 875 x 320 / 43  | 695 x 875 x 320 / 49  |
| Piping connections                          | 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) <sup>6)</sup> |                       | 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)                           |                       | kg/TCO <sub>2</sub> Eq. | 0,96 / 0,648         | 1,00 / 0,675         | 1,08 / 0,729          | 1,15 / 0,776          | 1,32 / 0,891          |
| Operating range                             | Cool Min ~ Max        | °C                      | -20 ~ +43            | -20 ~ +43            | -20 ~ +43             | -20 ~ +43             | -20 ~ +43             |
|                                             | Heat Min ~ Max        | °C                      | -15 ~ +24            | -15 ~ +24            | -15 ~ +24             | -15 ~ +24             | -15 ~ +24             |

### Accessories

|                     |                                                   |
|---------------------|---------------------------------------------------|
| <b>CZ-TACG1</b>     | NEW Panasonic Wifi kit for internet control       |
| <b>CZ-CAPRA1</b>    | RAC interface adapter for integration into P Link |
| <b>PAW-AC-BAC-1</b> | BacNet interface for TKE and UKE models           |
| <b>PAW-AC-MBS-1</b> | Modbus interface for TKE and UKE models           |

### Accessories

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| <b>PAW-WTRAY</b>       | Tray for condenser water compatible with base ground support   |
| <b>PAW-GRDSTD40</b>    | Outdoor elevation platform                                     |
| <b>PAW-GRDBSE20</b>    | Outdoor base ground support for noise and vibration absorption |
| <b>PAW-SERVER-PKEA</b> | PCB for installation in server rooms with security             |

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 units shows the value measured of a position 1m in front of the main body and 0,8m below the unit. The sound pressure is measured in accordance with Eurovent 4/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



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



Seasonal efficiency in cooling will bring you saving all year while heating. Energy efficiency rank from A+++ to D.



Seasonal efficiency in heating will bring you saving all year while heating. Energy efficiency rank from A+++ to D.



Inverter Plus System classification highlight the Panasonic highest performing systems



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



With Super Quiet technology our devices are much more quiet than a library (30dB(A)).



Down to -20°C in cooling only mode. The air conditioner works in cooling only mode with an outdoor temperature of -20°C.



Down to -15°C in heating mode. The air conditioner works in heat pump mode with an outdoor temperature as low as -15°C.



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



This unit is ready to connect to internet and be managed by smartphone, with a powerful and user friendly App to manage the comfort wherever you are.



Ready to be integrated and be managed by Panasonic centralized systems with CZ-CAPRA1



Communication port to integrate the unit to home and building management systems most known standards.

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