

# WALL MOUNTED TZ COMPACT STYLE INVERTER • R32 GAS

NEW

NEW TECHNOLOGY '17

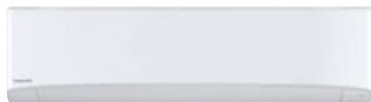


## TZ compact indoor size.

The new TZ indoor units have a new size. With 799mm of width, you can put the air conditioner on the top of the door.

New TZ inverter models are powerful and efficient, with an outstanding energy ranking of A++/A+, unique in the market! The TZ works up to an outdoor temperature of -15°C in heating mode and -10°C up to an outdoor temperature of -15°C in heating and -10°C in cooling and still with a high efficiency and capacity! Furthermore, the annual energy consumption has never been so low.

CS-TZ50TKEW  
CS-TZ60TKEW  
CS-TZ71TKEW



## Technical focus

- **NEW!** New compact design with 799mm
- R32 gas environmental friendly
- Aerowings to control air draft direction
- PM2.5 Filter to create clean and comfort indoor quality
- Complete line-up of standard Inverter models
- Super Quiet! Only 20dB(A)
- High energy savings
- This units can be installed on R410A and R22 pipings
- Long connection distance (from 15m up to 30m)
- Wired control (Optional)
- Smartphone control (Optional)

| Kit  |                          |                           | KIT-TZ20-TKE            | KIT-TZ25-TKE            | KIT-TZ35-TKE            | KIT-TZ42-TKE             | KIT-TZ50-TKE             | KIT-TZ60-TKE             | KIT-TZ71-TKE             |
|--|--------------------------|---------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Cooling capacity                                       | Nominal (Min - Max)      | kW                        | 2,00 (0,75 - 2,40)      | 2,50 (0,85 - 3,00)      | 3,50 (0,85 - 3,90)      | 4,20 (0,85 - 4,60)       | 5,00 (0,98 - 5,60)       | 6,30 (0,98 - 7,10)       | 7,10 (0,98 - 8,10)       |
| EER <sup>1)</sup>                                      | Nominal (Min - Max)      | W/W                       | 3,92 (3,00 - 3,87) A    | 3,79 (3,40 - 3,37) A    | 3,50 (3,33 - 3,28) A    | 3,33 (3,21 - 2,79) A     | 3,40 (3,44 - 3,24) A     | 3,26 (3,50 - 2,98) A     | 3,17 (2,33 - 3,03)       |
| <b>SEER</b>  |                          | <b>W/W</b>                | <b>6,40</b> ◀A++        | <b>6,40</b> ◀A++        | <b>6,20</b> ◀A++        | <b>5,80</b> ◀A+          | <b>6,80</b> ◀A++         | <b>6,50</b> ◀A++         | <b>6,10</b> ◀A++         |
| Pdesign (cooling)                                      |                          | kW                        | 2,0                     | 2,5                     | 3,5                     | 4,2                      | 5,0                      | 6,3                      | 7,1                      |
| Input power cooling                                    | Nominal (Min - Max)      | kW                        | 0,51 (0,25 - 0,62)      | 0,66 (0,25 - 0,89)      | 1,00 (0,26 - 1,19)      | 1,26 (0,265 - 1,65)      | 1,47 (0,29 - 1,73)       | 1,93 (0,28 - 2,38)       | 2,24 (0,42 - 2,67)       |
| Annual electricity consumption (cooling) <sup>2)</sup> |                          | kWh/a                     | 255                     | 330                     | 500                     | 630                      | 735                      | 339                      | 407                      |
| Heating capacity                                       | Nominal (Min - Max)      | kW                        | 2,70 (0,70 - 3,60)      | 3,30 (0,80 - 4,10)      | 4,00 (0,80 - 5,10)      | 5,00 (0,80 - 6,80)       | 5,80 (0,98 - 7,80)       | 7,20 (0,98 - 8,50)       | 8,60 (0,98 - 9,90)       |
| Heating capacity at -7°C                               |                          | kW                        | 2,14                    | 2,70                    | 3,30                    | 3,90                     | 4,79                     | 5,24                     | 6,13                     |
| COP <sup>1)</sup>                                      | Nominal (Min - Max)      | W/W                       | 4,03 (3,78 - 3,46) A    | 4,13 (4,10 - 3,63) A    | 3,81 (4,00 - 3,59) A    | 3,70 (4,00 - 3,32) A     | 3,77 (2,88 - 3,39) A     | 3,44 (2,88 - 3,15) B     | 3,51 (2,45 - 3,47) B     |
| <b>SCOP</b>  |                          | <b>W/W</b>                | <b>4,10</b> ◀A+         | <b>4,20</b> ◀A+         | <b>4,20</b> ◀A+         | <b>3,80</b> ◀A           | <b>4,30</b> ◀A+          | <b>4,20</b> ◀A+          | <b>4,00</b> ◀A+          |
| Pdesign at -10°C                                       |                          | kW                        | 1,9                     | 2,4                     | 2,8                     | 3,6                      | 4,0                      | 4,6                      | 5,5                      |
| Input power heating                                    | Nominal (Min - Max)      | kW                        | 0,67 (0,19 - 1,04)      | 0,80 (0,20 - 1,13)      | 1,05 (0,20 - 1,42)      | 1,35 (0,20 - 2,05)       | 1,54 (0,34 - 2,30)       | 2,09 (0,34 - 2,70)       | 2,45 (0,40 - 2,85)       |
| Annual electricity consumption (heating) <sup>2)</sup> |                          | kWh/a                     | 649                     | 800                     | 933                     | 1.326                    | 1.302                    | 1.533                    | 1.925                    |
| <b>Indoor Unit</b>                                     |                          |                           | <b>CS-TZ20TKEW</b>      | <b>CS-TZ25TKEW</b>      | <b>CS-TZ35TKEW</b>      | <b>CS-TZ42TKEW</b>       | <b>CS-TZ50TKEW</b>       | <b>CS-TZ60TKEW</b>       | <b>CS-TZ71TKEW</b>       |
| Air volume   | Cooling / Heating        | m <sup>3</sup> /min       | 10,0 / 10,9             | 10,9 / 11,6             | 11,8 / 12,5             | 12,3 / 12,9              | 19,9 / 20,8              | 20,8 / 21,4              | 20,0 / 22,0              |
| Moisture removal volume                                |                          | L/h                       | 1,3                     | 1,5                     | 2,0                     | 2,4                      | 2,8                      | 3,5                      | 4,1                      |
| Sound pressure <sup>3)</sup>                           | Cooling (Hi / Lo / Q-Lo) | dB(A)                     | 37 / 25 / 20            | 40 / 26 / 20            | 42 / 30 / 20            | 44 / 31 / 29             | 44 / 37 / 34             | 45 / 37 / 34             | 47 / 38 / 35             |
|  | Heating (Hi / Lo / Q-Lo) | dB(A)                     | 38 / 26 / 22            | 40 / 27 / 22            | 42 / 33 / 22            | 44 / 35 / 28             | 44 / 37 / 34             | 45 / 37 / 34             | 47 / 38 / 35             |
| Dimensions / Net weight                                | H x W x D                | mm / kg                   | 290 x 799 x 197 / 8     | 290 x 799 x 197 / 8     | 290 x 799 x 197 / 8     | 290 x 799 x 197 / 8      | 302 x 1.102 x 244 / 12   | 302 x 1.102 x 244 / 12   | 302 x 1.102 x 244 / 13   |
| <b>Outdoor Unit</b>                                    |                          |                           | <b>CU-TZ20TKE</b>       | <b>CU-TZ25TKE</b>       | <b>CU-TZ35TKE</b>       | <b>CU-TZ42TKE</b>        | <b>CU-TZ50TKE</b>        | <b>CU-TZ60TKE</b>        | <b>CU-TZ71TKE</b>        |
| Power source   |                          | V                         | 230                     | 230                     | 230                     | 230                      | 230                      | 230                      | 230                      |
| Recommended fuse                                       |                          | A                         | 16                      | 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 1,5                  | 4 x 2,5                  | 4 x 2,5                  | —                        |
| Air volume   | Cooling / Heating        | m <sup>3</sup> /min       | 31,2 / 29,7             | 30,0 / 28,9             | 28,7 / 30,4             | 33,6 / 34,0              | 33,0 / 32,2              | 42,6 / 41,5              | 44,7 / 48,1              |
| Sound pressure <sup>3)</sup>                           | Cooling / Heating (Hi)   | dB(A)                     | 46 / 47                 | 47 / 48                 | 48 / 50                 | 49 / 51                  | 48 / 49                  | 49 / 49                  | 52 / 54                  |
| Dimensions <sup>4)</sup> / Net weight                  | H x W x D                | mm / kg                   | 542 x 780 x 289 / 26    | 542 x 780 x 289 / 27    | 542 x 780 x 289 / 32    | 619 x 824 x 299 / 32     | 619 x 824 x 299 / 40     | 695 x 875 x 320 / 42     | 695 x 875 x 320 / 49     |
| Piping connections                                     | Liquid pipe / Gas pipe   | Inch (mm)                 | 1/4 (6,35) / 3/8 (9,52) | 1/4 (6,35) / 3/8 (9,52) | 1/4 (6,35) / 3/8 (9,52) | 1/4 (6,35) / 1/2 (12,70) | 1/4 (6,35) / 1/2 (12,70) | 1/4 (6,35) / 1/2 (12,70) | 1/4 (6,35) / 5/8 (15,88) |
| Piping length range / Elevation difference (in/out)    |                          | m                         | 3 - 15 / 15             | 3 - 15 / 15             | 3 - 15 / 15             | 3 - 15 / 15              | 3 - 20 / 15              | 3 - 30 / 15              | 3 - 30 / 25              |
| Pipe length for additional gas / Additional gas amount |                          | m / g/m                   | 7,5 / 10                | 7,5 / 10                | 7,5 / 10                | 7,5 / 10                 | 7,5 / 15                 | 7,5 / 15                 | 10 / 25                  |
| Refrigerant (R32)                                      |                          | kg / TCO <sub>2</sub> Eq. | 0,58 / 0,392            | 0,67 / 0,452            | 0,77 / 0,520            | 0,86 / 0,581             | 1,14 / —                 | 1,11 / 0,749             | 1,32 / 0,891             |
| Operating range  | Cooling Min - Max        | °C                        | -10 ~ +43               | -10 ~ +43               | -10 ~ +43               | -10 ~ +43                | -10 ~ +43                | -10 ~ +43                | -10 ~ +43                |
|  | Heating Min - Max        | °C                        | -15 ~ +24               | -15 ~ +24               | -15 ~ +24               | -15 ~ +24                | -15 ~ +24                | -15 ~ +24                | -15 ~ +24                |

### Accessories

|                      |  |
|----------------------|--|
| <b>PA-AC-WIFI-1</b>  | Full bidirectional Wifi interface for Internet control |
| <b>PAW-IR-WIFI-1</b> | IR Wifi interface for Internet control                 |

### Accessories

|                  |  |
|------------------|--|
| <b>CZ-RD514C</b> | Wired remote controller for wall type              |
| <b>CZ-CAPRA1</b> | H Generation interface to ECOi control integration |

1) EER and COP classification is at 230V 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 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 6/C/006-97 specification. Q-Lo: The lowest fan speed. Lo: The second lowest fan speed (the lowest fan speed for TZ50/60). 4) Add 70mm for piping port. \* Tentative values.



**Haderslev Varmepumper**  
 - Vi gir dig varme...