

## PACi NX Series Elite 4 way 90x90 cassette - PU3 - R32

## 4 way 90x90 cassette - PU3.

Powerful turbo fan and intelligent Econavi sensor ensure high energy efficiency, and nanoe™ X, which is equipped as standard, provides an exceptional level of indoor air quality.



|                                               |                    |           | Single phase       |                    |                           |                    |                         |                         |                         |
|-----------------------------------------------|--------------------|-----------|--------------------|--------------------|---------------------------|--------------------|-------------------------|-------------------------|-------------------------|
|                                               |                    |           | 3,6 kW             | 5,0 kW             | 6,0 kW                    | 7,1 kW             | 10,0 kW                 | 12,5 kW                 | 14,0 kW                 |
| Kit                                           |                    |           | KIT-36PU3ZH5       | KIT-50PU3ZH5       | KIT-60PU3ZH5              | KIT-71PU3ZH45      | KIT-100PU3ZH45          | KIT-125PU3ZH45          | KIT-140PU3ZH45          |
| Remote controller                             |                    |           | CZ-RTC5B           | CZ-RTC5B           | CZ-RTC5B                  | CZ-RTC5B           | CZ-RTC5B                | CZ-RTC5B                | CZ-RTC5B                |
| Cooling capacity                              | Nom (Min - Max)    | kW        | 3,6(1,2 - 4,0)     | 5,0(1,2 - 5,6)     | 6,0(1,2 - 7,1)            | 7,1(2,2 - 9,0)     | 9,5(3,1 - 12,5)         | 12,5(3,2 - 14,0)        | 13,4(3,3 - 16,0)        |
| EER <sup>1)</sup>                             | Nom (Min - Max)    | W/W       | 5,45(4,60 - 5,45)  | 4,31(3,86 - 5,45)  | 4,05(3,02 - 5,45)         | 4,06(2,69 - 5,79)  | 4,42(3,42 - 5,34)       | 3,80(3,08 - 5,33)       | 3,60(2,74 - 5,32)       |
| SEER / $\eta_{s,c}$ <sup>2)</sup>             |                    |           | 8,9 A+++           | 8,6 A+++           | 8,0 A++                   | 7,7 A++            | 7,8 A++                 | 304,3%                  | 286,6%                  |
| Pdesign                                       |                    | kW        | 3,6                | 5,0                | 6,0                       | 7,1                | 9,5                     | 12,5                    | 13,4                    |
| Input power                                   | Nom (Min - Max)    | kW        | 0,66(0,22 - 0,87)  | 1,16(0,22 - 1,45)  | 1,48(0,22 - 2,35)         | 1,75(0,38 - 3,35)  | 2,15(0,58 - 3,65)       | 3,29(0,60 - 4,55)       | 3,72(0,62 - 5,85)       |
| Annual energy consumption <sup>3)</sup>       |                    | kWh/a     | 142                | 203                | 263                       | 323                | 426                     | —                       | —                       |
| Heating capacity                              | Nom (Min - Max)    | kW        | 4,0(1,2 - 5,0)     | 5,6(1,2 - 6,5)     | 7,0(1,2 - 8,0)            | 8,0(2,0 - 9,0)     | 11,2(3,1 - 14,0)        | 14,0(3,2 - 16,0)        | 16,0(3,3 - 18,0)        |
| Heating capacity at -15 °C <sup>4)</sup>      | Max                | kW        | 3,2                | 4,1                | 5,1                       | 7,5                | 11,9                    | 13,4                    | 15,0                    |
| COP <sup>1)</sup>                             | Nom (Min - Max)    | W/W       | 5,41(4,55 - 5,45)  | 4,24(4,19 - 5,45)  | 4,02(3,40 - 5,45)         | 4,30(3,16 - 5,56)  | 5,00(3,64 - 5,54)       | 4,61(3,37 - 5,52)       | 4,30(3,27 - 5,50)       |
| SCOP / $\eta_{s,h}$ <sup>2)</sup>             |                    |           | 5,1 A+++           | 4,9 A++            | 4,8 A++                   | 4,8 A++            | 4,9 A++                 | 186,0%                  | 181,2%                  |
| Pdesign at -10 °C                             |                    | kW        | 3,6                | 4,5                | 4,7                       | 5,2                | 8,0                     | 9,5                     | 10,6                    |
| Input power                                   | Nom (Min - Max)    | kW        | 0,74(0,22 - 1,10)  | 1,32(0,22 - 1,55)  | 1,74(0,22 - 2,35)         | 1,86(0,36 - 2,85)  | 2,24(0,56 - 3,85)       | 3,04(0,58 - 4,75)       | 3,72(0,60 - 5,50)       |
| Annual energy consumption <sup>3)</sup>       |                    | kWh/a     | 988                | 1286               | 1371                      | 1517               | 2286                    | —                       | —                       |
| Indoor unit                                   |                    |           | S-3650PU3E         | S-3650PU3E         | S-6071PU3E                | S-6071PU3E         | S-1014PU3E              | S-1014PU3E              | S-1014PU3E              |
| Air flow                                      | Hi / Med / Lo      | m³/min    | 14,5/13,0/11,5     | 16,5/13,5/11,5     | 21,0/16,0/13,0            | 22,0/16,0/13,0     | 36,0/26,0/18,0          | 37,0/27,0/19,0          | 38,0/29,0/20,0          |
| Moisture removal volume                       |                    | L/h       | 0,7                | 1,6                | 1,7                       | 2,5                | 1,9                     | 4,8                     | 4,9                     |
| Sound pressure <sup>5)</sup>                  | Hi / Med / Lo      | dB(A)     | 30/28/27           | 32/29/27           | 36/31/28                  | 37/31/28           | 45/38/32                | 46/39/33                | 47/40/34                |
| Sound power                                   | Hi / Med / Lo      | dB(A)     | 45/43/42           | 47/44/42           | 51/46/43                  | 52/46/43           | 60/53/47                | 61/54/48                | 62/55/49                |
| Dimension                                     | Indoor (H x W x D) | mm        | 256 x 840 x 840    | 256 x 840 x 840    | 256 x 840 x 840           | 256 x 840 x 840    | 319 x 840 x 840         | 319 x 840 x 840         | 319 x 840 x 840         |
|                                               | Panel (H x W x D)  | mm        | 33,5 x 950 x 950   | 33,5 x 950 x 950   | 33,5 x 950 x 950          | 33,5 x 950 x 950   | 33,5 x 950 x 950        | 33,5 x 950 x 950        | 33,5 x 950 x 950        |
| Net weight                                    | Indoor / Panel     | kg        | 19/5               | 19/5               | 20/5                      | 20/5               | 25/5                    | 25/5                    | 25/5                    |
| nanoe X Generator                             |                    |           | Mark 1             | Mark 1             | Mark 1                    | Mark 1             | Mark 1                  | Mark 1                  | Mark 1                  |
| Outdoor unit                                  |                    |           | U-36PZH3E5         | U-50PZH3E5         | U-60PZH3E5                | U-71PZH4E5         | U-100PZH4E5             | U-125PZH4E5             | U-140PZH4E5             |
| Power supply                                  |                    | V         | 220 - 230 - 240    | 220 - 230 - 240    | 220 - 230 - 240           | 220 - 230 - 240    | 220 - 230 - 240         | 220 - 230 - 240         | 220 - 230 - 240         |
| Current                                       | Cool               | A         | 3,25 - 3,10 - 3,00 | 5,50 - 5,25 - 5,05 | 6,95 - 6,65 - 6,35        | 8,85 - 8,45 - 8,10 | 10,06 - 10,02 - 9,75    | 16,10 - 15,40 - 14,70   | 18,20 - 17,40 - 16,70   |
|                                               | Heat               | A         | 3,60 - 3,45 - 3,30 | 6,25 - 6,00 - 5,75 | 8,05 - 7,70 - 7,40        | 9,40 - 9,00 - 8,60 | 10,90 - 10,60 - 10,10   | 14,90 - 14,20 - 13,60   | 18,20 - 17,40 - 16,70   |
| Air flow                                      | Cool / Heat        | m³/min    | 34,1/36,4          | 42,0/42,0          | 42,0/42,0                 | 62,0/66,0          | 76,0/70,0               | 86,0/78,0               | 89,0/83,0               |
| Sound pressure                                | Cool / Heat (Hi)   | dB(A)     | 43/44              | 46/48              | 47/50                     | 48/50              | 52/52                   | 55/55                   | 56/56                   |
| Sound power                                   | Cool / Heat (Hi)   | dB(A)     | 62/64              | 64/67              | 65/69                     | 65/67              | 69/69                   | 73/73                   | 74/74                   |
| Dimension                                     | H x W x D          | mm        | 695 x 875 x 320    | 695 x 875 x 320    | 695 x 875 x 320           | 996 x 980 x 370    | 996 x 980 x 370         | 996 x 980 x 370         | 996 x 980 x 370         |
| Net weight                                    |                    | kg        | 42                 | 42                 | 43                        | 66                 | 84                      | 86                      | 86                      |
| Piping diameter                               | Liquid             | Inch (mm) | 1/4 {6,35}         | 1/4 {6,35}         | 1/4 {6,35} <sup>6)</sup>  | 3/8 {9,52}         | 3/8 {9,52}              | 3/8 {9,52}              | 3/8 {9,52}              |
|                                               | Gas                | Inch (mm) | 1/2 {12,70}        | 1/2 {12,70}        | 1/2 {12,70} <sup>7)</sup> | 5/8 {15,88}        | 5/8 {15,88}             | 5/8 {15,88}             | 5/8 {15,88}             |
| Pipe length range                             |                    | m         | 3 ~ 40             | 3 ~ 40             | 3 ~ 40                    | 5 ~ 60             | 5 ~ 100                 | 5 ~ 100                 | 5 ~ 100                 |
| Elevation difference (in / out) <sup>8)</sup> |                    | m         | 15/30              | 15/30              | 15/30                     | 15/30              | 15/30                   | 15/30                   | 15/30                   |
| Pre-charged pipe length                       |                    | m         | 30                 | 30                 | 30                        | 30                 | 30                      | 30                      | 30                      |
| Additional gas amount                         |                    | g/m       | 15                 | 15                 | 15                        | 30                 | 40                      | 40                      | 40                      |
| Refrigerant (R32) / CO <sub>2</sub> Eq.       |                    | kg / T    | 1,13/0,76          | 1,13/0,76          | 1,15/0,78                 | 1,95/1,32          | 2,70/1,82               | 3,00/2,03               | 3,00/2,03               |
| Operating range                               | Cool Min ~ Max     | °C        | -15 ~ +46          | -15 ~ +46          | -15 ~ +46                 | -15 ~ +52          | -20 <sup>9)</sup> ~ +52 | -20 <sup>9)</sup> ~ +52 | -20 <sup>9)</sup> ~ +52 |
|                                               | Heat Min ~ Max     | °C        | -20 ~ +24          | -20 ~ +24          | -20 ~ +24                 | -20 ~ +24          | -20 ~ +24               | -20 ~ +24               | -20 ~ +24               |

## Technical focus

- High performance turbo fan
- Econavi: An optional intelligent sensor to reduce waste of energy
- nanoe™ X (Generator Mark 1: 4,8 trillion hydroxyl radicals/sec) as standard for better indoor air quality, indoor unit internal cleaning with nanoe™ X plus dry operation
- **New** graphite black and white panels providing options to suit a variety of light commercial applications
- Lower noise in low fan operation
- Light weight, easy piping and integrated drain pump for quick installation
- Wired remote control CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®
- High volume fresh air input with optional air-intake plenum and chamber (CZ-FDU3+CZ-ATU2)

## White and graphite black panels available for the 4 way 90x90 cassette.

Standard panel, white  
(RAL9003).

CZ-KPU3



Econavi panel, white  
(RAL9003).

CZ-KPU3A



Standard panel, graphite  
black (RAL9011).

CZ-KPU3B



CZ-RTC5B



+ COMPATIBLE WITH ALL PANASONIC CONNECTIVITY SOLUTIONS. FOR DETAILED INFORMATION GO TO THE CONTROL SYSTEMS SECTION

## Optional:



**CONEX**  
CONEX wired remote controller, white.  
CZ-RTC6W/BL/BLW2



**CONEX**  
CONEX wired remote controller, black.  
CZ-RTC6/BL/BLW2



**Infrared remote controller.**  
CZ-RWS3 + CZ-RWRU3

## Three phase

|                                               |                     |                     | 7,1 kW             | 10,0 kW                 | 12,5 kW                 | 14,0 kW                 |
|-----------------------------------------------|---------------------|---------------------|--------------------|-------------------------|-------------------------|-------------------------|
| Kit                                           |                     |                     | KIT-71PU3ZH48      | KIT-100PU3ZH48          | KIT-125PU3ZH48          | KIT-140PU3ZH48          |
| Remote controller                             |                     |                     | CZ-RTC5B           | CZ-RTC5B                | CZ-RTC5B                | CZ-RTC5B                |
| Cooling capacity                              | Nominal (Min - Max) | kW                  | 7,1 [2,2 - 9,0]    | 9,5 [3,1 - 12,5]        | 12,5 [3,2 - 14,0]       | 13,4 [3,3 - 16,0]       |
| EER <sup>1)</sup>                             | Nominal (Min - Max) | W/W                 | 4,06 [2,69 - 5,79] | 4,42 [3,42 - 5,34]      | 3,80 [3,08 - 5,33]      | 3,60 [2,74 - 5,32]      |
| SEER / $\eta_{s,c}$ <sup>2)</sup>             |                     |                     | 7,7 A++            | 7,2 A++                 | 303,0%                  | 286,6%                  |
| Pdesign                                       |                     | kW                  | 7,1                | 9,5                     | 12,5                    | 13,4                    |
| Input power                                   | Nominal (Min - Max) | kW                  | 1,75 [0,38 - 3,35] | 2,15 [0,58 - 3,65]      | 3,29 [0,60 - 4,55]      | 3,72 [0,62 - 5,85]      |
| Annual energy consumption <sup>3)</sup>       |                     | kWh/a               | 323                | 426                     | —                       | —                       |
| Heating capacity                              | Nominal (Min - Max) | kW                  | 8,0 [2,0 - 9,0]    | 11,2 [3,1 - 14,0]       | 14,0 [3,2 - 16,0]       | 16,0 [3,3 - 18,0]       |
| Heating capacity at -15 °C <sup>4)</sup>      | Max                 | kW                  | 7,5                | 11,9                    | 13,4                    | 15,0                    |
| COP <sup>1)</sup>                             | Nominal (Min - Max) | W/W                 | 4,30 [3,16 - 5,56] | 5,00 [3,64 - 5,54]      | 4,61 [3,37 - 5,52]      | 4,30 [3,27 - 5,50]      |
| SCOP / $\eta_{s,h}$ <sup>2)</sup>             |                     |                     | 4,8 A++            | 4,9 A++                 | 186,0%                  | 181,1%                  |
| Pdesign at -10 °C                             |                     | kW                  | 5,2                | 8,0                     | 9,5                     | 10,6                    |
| Input power                                   | Nominal (Min - Max) | kW                  | 1,86 [0,36 - 2,85] | 2,24 [0,56 - 3,85]      | 3,04 [0,58 - 4,75]      | 3,72 [0,60 - 5,50]      |
| Annual energy consumption <sup>3)</sup>       |                     | kWh/a               | 1517               | 2286                    | —                       | —                       |
| Indoor unit                                   |                     |                     | S-6071PU3E         | S-1014PU3E              | S-1014PU3E              | S-1014PU3E              |
| Air flow                                      | Hi / Med / Lo       | m <sup>3</sup> /min | 22,0/16,0/13,0     | 36,0/26,0/18,0          | 37,0/27,0/19,0          | 38,0/29,0/20,0          |
| Moisture removal volume                       |                     | L/h                 | 2,5                | 1,9                     | 4,8                     | 4,9                     |
| Sound pressure <sup>5)</sup>                  | Hi / Med / Lo       | dB(A)               | 37/31/28           | 45/38/32                | 46/39/33                | 47/40/34                |
| Sound power                                   | Hi / Med / Lo       | dB(A)               | 52/46/43           | 60/53/47                | 61/54/48                | 62/55/49                |
| Dimension                                     | Indoor (HxWxD)      | mm                  | 256 x 840 x 840    | 319 x 840 x 840         | 319 x 840 x 840         | 319 x 840 x 840         |
|                                               | Panel (HxWxD)       | mm                  | 33,5 x 950 x 950   | 33,5 x 950 x 950        | 33,5 x 950 x 950        | 33,5 x 950 x 950        |
| Net weight                                    | Indoor / Panel      | kg                  | 20/5               | 25/5                    | 25/5                    | 25/5                    |
| nanoe X Generator                             |                     |                     | Mark 1             | Mark 1                  | Mark 1                  | Mark 1                  |
| Outdoor unit                                  |                     |                     | U-71PZH4E8         | U-100PZH4E8             | U-125PZH4E8             | U-140PZH4E8             |
| Power supply                                  |                     | V                   | 380 - 400 - 415    | 380 - 400 - 415         | 380 - 400 - 415         | 380 - 400 - 415         |
| Current                                       | Cool                | A                   | 2,95 - 2,80 - 2,70 | 3,60 - 3,40 - 3,25      | 5,45 - 5,15 - 5,00      | 6,15 - 5,85 - 5,65      |
|                                               | Heat                | A                   | 3,15 - 3,00 - 2,90 | 3,75 - 3,55 - 3,40      | 5,10 - 4,80 - 4,65      | 6,20 - 5,90 - 5,65      |
| Air flow                                      | Cool / Heat         | m <sup>3</sup> /min | 62,0/66,0          | 76,0/70,0               | 86,0/78,0               | 89,0/83,0               |
| Sound pressure                                | Cool / Heat (Hi)    | dB(A)               | 48/50              | 52/52                   | 55/55                   | 56/56                   |
| Sound power                                   | Cool / Heat (Hi)    | dB(A)               | 65/67              | 69/69                   | 73/73                   | 74/74                   |
| Dimension                                     | HxWxD               | mm                  | 996 x 980 x 370    | 996 x 980 x 370         | 996 x 980 x 370         | 996 x 980 x 370         |
| Net weight                                    |                     | kg                  | 66                 | 82                      | 84                      | 84                      |
| Piping diameter                               | Liquid              | Inch (mm)           | 3/8 (9,52)         | 3/8 (9,52)              | 3/8 (9,52)              | 3/8 (9,52)              |
|                                               | Gas                 | Inch (mm)           | 5/8 (15,88)        | 5/8 (15,88)             | 5/8 (15,88)             | 5/8 (15,88)             |
| Pipe length range                             |                     | m                   | 5 - 60             | 5 - 100                 | 5 - 100                 | 5 - 100                 |
| Elevation difference (in / out) <sup>8)</sup> |                     | m                   | 15/30              | 15/30                   | 15/30                   | 15/30                   |
| Pre-charged pipe length                       |                     | m                   | 30                 | 30                      | 30                      | 30                      |
| Additional gas amount                         |                     | g/m                 | 30                 | 40                      | 40                      | 40                      |
| Refrigerant (R32) / CO <sub>2</sub> Eq.       |                     | kg / T              | 1,95/1,32          | 2,70/1,82               | 3,00/2,03               | 3,00/2,03               |
| Operating range                               | Cool Min ~ Max      | °C                  | -15 ~ +52          | -20 <sup>9)</sup> ~ +52 | -20 <sup>9)</sup> ~ +52 | -20 <sup>9)</sup> ~ +52 |
|                                               | Heat Min ~ Max      | °C                  | -20 ~ +24          | -20 ~ +24               | -20 ~ +24               | -20 ~ +24               |

1) EER and COP calculation is based in accordance to EN 14511. 2) For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the  $\eta_{s,c}$  /  $\eta_{s,h}$  values is calculated based on EN 14825. 3) Factory setting. 4) The value is based on the interpolation. 5) The sound pressure of the units shows the value measured of the position 1,5 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) Connect the liquid socket tube (Ø6,35-Ø9,52) to the liquid tubing side indoor unit. 7) Connect the gas socket tube (Ø12,70-Ø15,88) to the gas tubing side indoor unit. 8) Outdoor unit located lower / outdoor unit located higher. 9) Pipe length up to 30 m. \* Recommended fuse for the indoor 3 A. \*\* Above values are in the case of nanoe™ X OFF.

## Accessories

|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| <b>CZ-RTC6W</b>           | CONEX wired remote controller (non-wireless), white            |
| <b>CZ-RTC6WBL</b>         | CONEX wired remote controller with Bluetooth®, white           |
| <b>CZ-RTC6WBLW2</b>       | CONEX wired remote controller with Wi-Fi and Bluetooth®, white |
| <b>CZ-RTC6</b>            | CONEX wired remote controller (non-wireless), black            |
| <b>CZ-RTC6BL</b>          | CONEX wired remote controller with Bluetooth®, black           |
| <b>CZ-RTC6BLW2</b>        | CONEX wired remote controller with Wi-Fi and Bluetooth®, black |
| <b>CZ-RTC5B</b>           | Wired remote controller with Econavi function                  |
| <b>CZ-RWS3 + CZ-RWRU3</b> | Infrared remote controller and receiver                        |
| <b>CZ-CAPWFC2</b>         | Commercial Wi-Fi Adaptor                                       |

## Accessories

|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| <b>CZ-KPU3A</b>        | Econavi exclusive panel, white (RAL9003)                                  |
| <b>CZ-KPU3B</b>        | <b>NEW</b> Standard panel, graphite black (RAL9011)                       |
| <b>PAW-PACR4</b>       | Interface to run up to 4 indoor unit groups on backup and alternative run |
| <b>PAW-WTRAY</b>       | Tray for condenser water compatible with outdoor elevation platform       |
| <b>PAW-GRDBSE20</b>    | Outdoor base ground support for noise and vibration absorption            |
| <b>PAW-GRDSTD40</b>    | Outdoor elevation platform 400 x 900 x 400 mm                             |
| <b>CZ-FDU3+CZ-ATU2</b> | Fresh air-intake kit                                                      |



SEER and SCOP: For S-3650PU3E + U-36PZH3E5. ECONAVI and INTERNET CONTROL: Optional.

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).