

# Indoor Unit High Static Pressure Splittable Ducted

High static and large airflow ducted for exceptional installation flexibility.

**nanoe™ X**  
**Generator Mark3**  
nanoe™ X as a standard



S-180PE4R  
S-200PE4R  
S-224PE4R



CZ-RTC6WBL\*1 CZ-RTC6WZ\*1\*2 CZ-RTC5B CZ-RTC4 CZ-CAPWFC1

\*1 Launched in 4th Quarter in CY23. Black models are also available.  
\*2 Zone Controller for residential use.  
Note: Product image not to scale.

- Self-diagnosing Function
- Automatic Fan Operation
- DRY
- Automatic Restart Function
- DC Motor

### Technical focus

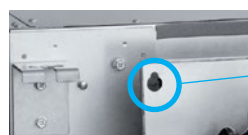
- Easy installation with splittable chassis design
- Max. 200Pa static pressure setting\*1
- Design flexibility thanks to high static pressure and large air volume
- DC motor equipped
- Low power input
- Accurate temperature control to reduce cold drafts during operation
- Configurable air temperature control

\*1 In case of S-224PE4R

### New Ducted Model Key Factors

#### Bell Shaped Keyhole for Weight Support

Part of the keyhole is newly designed with a bell shape to reduce the burden of installation. It also enables temporary attachment.



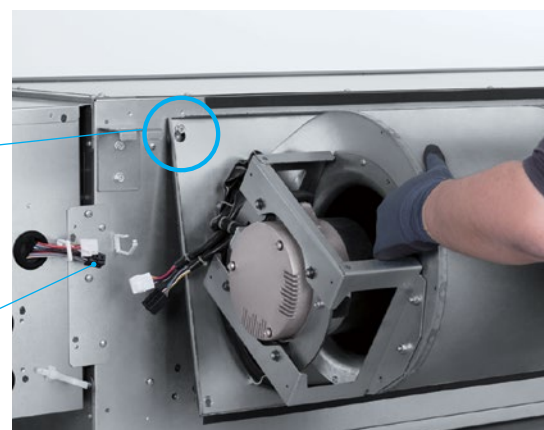
#### 2 Wire Connectors for Easy Installation

With only 2 wire connectors, installation has become much easier and faster.



#### 12 Bolts & Screws for Easy Assembly

Only 12 screws and bolts need to be attached, allowing for a shorter installation time.



### Easy Assembly Steps

Assembly takes three easy steps, even in limited spaces.

- 1 Install the fan to the heat exchanger and tighten the screws and bolts.
- 2 Assemble the connectors.
- 3 Install the chassis and tighten the screws and bolts.



Note: Above images are for the 22.4kW model.

### Specifications of R32 Deluxe Model **R32**

| Capacity                                                   |                   | 18.0kW                                    |                        | 20.0kW                                    |                        | 22.4kW                                    |             |                                           |             |                                           |  |
|------------------------------------------------------------|-------------------|-------------------------------------------|------------------------|-------------------------------------------|------------------------|-------------------------------------------|-------------|-------------------------------------------|-------------|-------------------------------------------|--|
| Model Name                                                 | Indoor Unit       | S-180PE4R                                 | S-180PE4R              | S-200PE4R                                 | S-224PE4R              | Outdoor Unit                              | U-180PZH3R5 | U-180PZH3R8                               | U-200PZH3R8 | U-224PZH3R8                               |  |
| Cooling Capacity                                           | kW                | 18.0 (5.5-20.0)                           | 18.0 (5.5-20.0)        | 20.0 (5.7-22.4)                           | 22.4 (5.7-25.0)        |                                           |             |                                           |             |                                           |  |
| Heating Capacity                                           | BTU/h             | 61,400 (18,800-68,200)                    | 61,400 (18,800-68,200) | 68,200 (19,400-76,400)                    | 76,400 (19,400-85,300) |                                           |             |                                           |             |                                           |  |
| EER : COP                                                  | W/W               | 3.20 : 3.75                               | 3.20 : 3.75            | 3.33 : 3.67                               | 3.09 : 3.52            |                                           |             |                                           |             |                                           |  |
| COP@H2 condition                                           | W/W               | 2.9                                       | 2.9                    | 2.7                                       | 2.6                    |                                           |             |                                           |             |                                           |  |
| Total power input                                          | Cooling : Heating | 5.63 : 5.33                               | 5.63 : 5.33            | 6.00 : 6.10                               | 7.24 : 7.10            |                                           |             |                                           |             |                                           |  |
| TCSPF : HSPF                                               | Residential       | Hot Climate                               | 4.33 : 4.95            | 4.33 : 4.95                               | 4.33 : 4.42            | 4.00 : 4.55                               |             |                                           |             |                                           |  |
|                                                            |                   | Average Climate                           | 3.93 : 4.24            | 3.93 : 4.24                               | 3.97 : 3.90            | 3.69 : 3.87                               |             |                                           |             |                                           |  |
|                                                            |                   | Cold Climate                              | 4.03 : 3.72            | 4.03 : 3.72                               | 4.05 : 3.45            | 3.79 : 3.38                               |             |                                           |             |                                           |  |
|                                                            |                   | Commercial                                | Hot Climate            | 4.73 : 4.99                               | 4.73 : 4.99            | 4.65 : 4.44                               | 4.27 : 4.68 |                                           |             |                                           |  |
|                                                            |                   | Average Climate                           | 4.76 : 4.58            | 4.76 : 4.58                               | 4.71 : 4.14            | 4.31 : 4.29                               |             |                                           |             |                                           |  |
|                                                            |                   | Cold Climate                              | 5.12 : 4.10            | 5.12 : 4.10                               | 5.01 : 3.74            | 4.57 : 3.78                               |             |                                           |             |                                           |  |
| <b>Indoor Unit</b>                                         |                   |                                           |                        |                                           |                        |                                           |             |                                           |             |                                           |  |
| Power source                                               | Phase/Hz          | 1 Phase / 50Hz                            |                        | 1 Phase / 50Hz                            |                        | 1 Phase / 50Hz                            |             | 1 Phase / 50Hz                            |             | 1 Phase / 50Hz                            |  |
|                                                            | V                 | 230V   240V                               |                        | 230V   240V                               |                        | 230V   240V                               |             | 230V   240V                               |             | 230V   240V                               |  |
| Current (rated)                                            | Cooling : Heating | 3.30 : 3.30                               | 3.20 : 3.20            | 3.30 : 3.30                               | 3.30 : 3.30            | 4.20 : 4.20                               | 4.10 : 4.10 | 4.10 : 4.10                               | 4.10 : 4.10 | 4.10 : 4.10                               |  |
| Dimension                                                  | H x W x D         | 486 x 1456 x 916                          |                        | 486 x 1456 x 916                          |                        | 486 x 1456 x 916                          |             | 486 x 1456 x 916                          |             | 486 x 1456 x 916                          |  |
| Net Weight                                                 | Indoor            | 82                                        |                        | 82                                        |                        | 83                                        |             | 87                                        |             | 87                                        |  |
| Air volume (H/M/L)                                         | Cooling : Heating | 1,202 / 1,052 / 885 : 1,202 / 1,052 / 885 |                        | 1,202 / 1,052 / 885 : 1,202 / 1,052 / 885 |                        | 1,202 / 1,052 / 885 : 1,202 / 1,052 / 885 |             | 1,402 / 1,202 / 985 : 1,402 / 1,202 / 985 |             | 1,402 / 1,202 / 985 : 1,402 / 1,202 / 985 |  |
| External static pressure                                   | Pa                | 60 (100 / 150)                            |                        | 60 (100 / 150)                            |                        | 75 (120 / 180)                            |             | 75 (130 / 200)                            |             | 75 (130 / 200)                            |  |
| Sound Pressure Level (H/M/L)                               | Cooling : Heating | 46 / 44 / 41 : 46 / 44 / 41               |                        | 46 / 44 / 41 : 46 / 44 / 41               |                        | 46 / 44 / 41 : 46 / 44 / 41               |             | 47 / 45 / 42 : 47 / 45 / 42               |             | 47 / 45 / 42 : 47 / 45 / 42               |  |
| Sound Power Level (H/M/L)                                  | Cooling : Heating | 78 / 76 / 73 : 78 / 76 / 73               |                        | 78 / 76 / 73 : 78 / 76 / 73               |                        | 78 / 76 / 73 : 78 / 76 / 73               |             | 79 / 77 / 74 : 79 / 77 / 74               |             | 79 / 77 / 74 : 79 / 77 / 74               |  |
| Number of fan speeds                                       |                   | 3                                         |                        | 3                                         |                        | 3                                         |             | 3                                         |             | 3                                         |  |
| Drain piping                                               | mm                | VP-25                                     |                        | VP-25                                     |                        | VP-25                                     |             | VP-25                                     |             | VP-25                                     |  |
| <b>Outdoor</b>                                             |                   |                                           |                        |                                           |                        |                                           |             |                                           |             |                                           |  |
| Power source                                               | Phase/Hz          | 1 Phase / 50Hz                            |                        | 3 Phase / 50Hz                            |                        | 3 Phase / 50Hz                            |             | 3 Phase / 50Hz                            |             | 3 Phase / 50Hz                            |  |
|                                                            | V                 | 230V   240V                               |                        | 400V   415V                               |                        | 400V   415V                               |             | 400V   415V                               |             | 400V   415V                               |  |
| Current (rated)                                            | Cooling : Heating | 23.3 : 21.9<br>22.3 : 21.0                |                        | 8.00 : 7.50<br>7.70 : 7.25                |                        | 8.45 : 8.60   8.15 : 8.30                 |             | 9.95 : 9.75   9.60 : 9.40                 |             | 9.95 : 9.75   9.60 : 9.40                 |  |
| Dimension                                                  | H x W x D         | 1,500 x 980 x 370                         |                        | 1,500 x 980 x 370                         |                        | 1,500 x 980 x 370                         |             | 1,500 x 980 x 370                         |             | 1,500 x 980 x 370                         |  |
| Net weight                                                 | kg                | 117                                       |                        | 115                                       |                        | 127                                       |             | 127                                       |             | 127                                       |  |
| Air volume                                                 | Cooling : Heating | 2,738 : 2,738                             |                        | 2,738 : 2,738                             |                        | 2,672 : 2,672                             |             | 2,672 : 2,672                             |             | 2,672 : 2,672                             |  |
| Sound Pressure Level (Silent mode)                         | Cooling : Heating | 58 : 60                                   |                        | 58 : 60                                   |                        | 58 : 62                                   |             | 58 : 62                                   |             | 58 : 62                                   |  |
| Sound Power Level (Silent mode)                            | Cooling : Heating | 76 : 78                                   |                        | 76 : 78                                   |                        | 77 : 81                                   |             | 77 : 81                                   |             | 77 : 81                                   |  |
| Piping Connection                                          | Liquid / Gas      | mm                                        |                        | mm                                        |                        | mm                                        |             | mm                                        |             | mm                                        |  |
| Pipe Length range                                          | min. - max.       | m                                         |                        | m                                         |                        | m                                         |             | m                                         |             | m                                         |  |
| Elevation Difference (OU located lower, OU located higher) | m                 | 30, 30                                    |                        | 30, 30                                    |                        | 30, 30                                    |             | 30, 30                                    |             | 30, 30                                    |  |
| Maximum Chargeless length                                  | m                 | 30                                        |                        | 30                                        |                        | 30                                        |             | 30                                        |             | 30                                        |  |
| Refrigerant at shipping / Additional gas amount            | g                 | R32 3,400 / 76.0 (g/m)                    |                        | R32 3,400 / 76.0 (g/m)                    |                        | R32 5,200 / 108.0 (g/m)                   |             | R32 5,200 / 108.0 (g/m)                   |             | R32 5,200 / 80 (g/m)                      |  |
| Operation Ranges                                           | Cooling : Heating | °C                                        |                        | °C                                        |                        | °C                                        |             | °C                                        |             | °C                                        |  |
|                                                            |                   | -15 to 46 : -20 to 24                     |                        | -15 to 52 : -20 to 24                     |                        | -15 to 52 : -20 to 24                     |             | -15 to 52 : -20 to 24                     |             | -15 to 46 : -20 to 24                     |  |

- Notes:
- In the case of nanoe X OFF
  - In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
  - AEER and ACOP classification is at 230V(400V) only in accordance with GEMS2019.
  - TCSPF, HSPF and Total Energy consumption indicate the value of average temperature zone.
  - Indoor and outdoor sound levels are determined in an anechoic chamber and may differ once the unit is installed due to ambient conditions

\*1 For U-160PZH3R8 \*2 For U-180PZH3R8