

## 1-1. Unit Specifications

## Single - Type

## 1-1-1. PZ3

## 1-1-1-5. 4-Way Cassette 60 × 60 Type S-25PY3E / U-25PZ3E5

|                                                     |                                                                        |                                         |                                                  |                 |                                       |                                    |              |              |              |      |       |     |
|-----------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------|---------------------------------------|------------------------------------|--------------|--------------|--------------|------|-------|-----|
| INDOOR                                              |                                                                        |                                         | MODEL                                            |                 | S-25PY3E                              |                                    |              | -            |              |      | -     |     |
| PANEL                                               |                                                                        |                                         | MODEL                                            |                 | CZ-KPY4                               |                                    |              | -            |              |      | -     |     |
| OUTDOOR                                             |                                                                        |                                         | MODEL                                            |                 | -                                     |                                    |              | U-25PZ3E5    |              |      | -     |     |
| Branch pipe                                         |                                                                        |                                         | MODEL                                            |                 | -                                     |                                    |              | -            |              |      | -     |     |
| Performance test condition                          |                                                                        |                                         |                                                  |                 | ISO5151 / EN14511 / EN12102 / EN14825 |                                    |              |              |              |      |       |     |
| Power supply                                        |                                                                        |                                         | Ø, Hz                                            |                 | 1Ø 50Hz                               |                                    |              | 1Ø 50Hz      |              |      |       |     |
|                                                     |                                                                        |                                         | V                                                |                 | 220V                                  | 230V                               | 240V         | 220V         | 230V         | 240V | Min   | Max |
| C O O L I N G                                       | Capacity                                                               | kW                                      |                                                  | 2.5             | 2.5                                   | 2.5                                | -            | -            | -            | 1.5  | 3.9   |     |
|                                                     |                                                                        | BTU/h                                   |                                                  | 8500            | 8500                                  | 8500                               | -            | -            | -            | 5100 | 13300 |     |
|                                                     | Current                                                                | A                                       |                                                  | -               | -                                     | -                                  | 2.65         | 2.55         | 2.45         | -    | -     |     |
|                                                     |                                                                        | W                                       |                                                  | -               | -                                     | -                                  | -            | -            | -            | -    | -     |     |
|                                                     | Input power                                                            | TOTAL W                                 |                                                  | -               |                                       |                                    | 0.560k       | 0.560k       | 0.560k       | 255  | 1.10k |     |
|                                                     |                                                                        | Annual consumption TOTAL kWh *4         |                                                  | -               | -                                     | -                                  | -            | 280          | -            | -    | -     |     |
|                                                     | EER/EER CLASS TOTAL (W/W) *5/ ("A"~"G")                                |                                         | -                                                | -               | -                                     | 4.46                               | 4.46 / A     | 4.46         | 5.88         | 3.55 |       |     |
|                                                     | ErP *6                                                                 | Pdesign kW                              |                                                  | -               | -                                     | -                                  | -            | 2.5          | -            | -    | -     |     |
|                                                     |                                                                        | SEER (W/W)                              |                                                  | -               | -                                     | -                                  | -            | 6.5          | -            | -    | -     |     |
|                                                     |                                                                        | Annual consumption kWh                  |                                                  | -               | -                                     | -                                  | -            | 134          | -            | -    | -     |     |
|                                                     |                                                                        | Class                                   |                                                  | -               | -                                     | -                                  | -            | A++          | -            | -    | -     |     |
|                                                     | Power factor %                                                         |                                         | -                                                | -               | -                                     | -                                  | 96           | 96           | 96           | -    | -     |     |
| Noise indoor *7                                     | dB-A (H/M/L)                                                           |                                         | 31/28/25                                         |                 |                                       | -                                  |              |              | -            | -    | -     |     |
|                                                     | Power Level dB                                                         |                                         | 46/43/40                                         |                 |                                       | -                                  |              |              | -            | -    | -     |     |
|                                                     | dB-A (H/L)                                                             |                                         | -                                                |                 |                                       | 46/-                               |              |              | -            | -    | -     |     |
|                                                     | Power Level dB                                                         |                                         | -                                                |                 |                                       | 64/-                               |              |              | -            | -    | -     |     |
| H E A T I N G                                       | Capacity                                                               | kW                                      |                                                  | 3.2             | 3.2                                   | 3.2                                | -            | -            | -            | 1.5  | 4.6   |     |
|                                                     |                                                                        | BTU/h                                   |                                                  | 10900           | 10900                                 | 10900                              | -            | -            | -            | 5100 | 15700 |     |
|                                                     | Current                                                                | A                                       |                                                  | -               | -                                     | -                                  | 3.40         | 3.25         | 3.10         | -    | -     |     |
|                                                     |                                                                        | W                                       |                                                  | -               | -                                     | -                                  | -            | -            | -            | -    | -     |     |
|                                                     | Input power                                                            | TOTAL W                                 |                                                  | -               |                                       |                                    | 0.720k       | 0.720k       | 0.720k       | 230  | 1.35k |     |
|                                                     |                                                                        | COP/COP CLASS TOTAL (W/W) *5/ ("A"~"G") |                                                  | -               | -                                     | -                                  | 4.44         | 4.44 / A     | 4.44         | 6.52 | 3.41  |     |
|                                                     | ErP *6                                                                 | Pdesign at -10°C kW                     |                                                  | -               | -                                     | -                                  | -            | 2.8          | -            | -    | -     |     |
|                                                     |                                                                        | Tbivalent °C                            |                                                  | -               | -                                     | -                                  | -            | -10          | -            | -    | -     |     |
|                                                     |                                                                        | SCOP (W/W)                              |                                                  | -               | -                                     | -                                  | -            | 4.6          | -            | -    | -     |     |
|                                                     |                                                                        | Annual consumption kWh                  |                                                  | -               | -                                     | -                                  | -            | 850          | -            | -    | -     |     |
|                                                     | elbu(-10°C)                                                            | kW                                      |                                                  | -               | -                                     | -                                  | -            | 0.00         | -            | -    | -     |     |
|                                                     |                                                                        | Class                                   |                                                  | -               | -                                     | -                                  | -            | A++          | -            | -    | -     |     |
| Power factor %                                      |                                                                        | -                                       | -                                                | -               | -                                     | 97                                 | 97           | 97           | -            | -    |       |     |
| Noise indoor *7                                     | dB-A (H/M/L)                                                           |                                         | 31/28/25                                         |                 |                                       | -                                  |              |              | -            | -    | -     |     |
|                                                     | Power Level dB                                                         |                                         | 46/43/40                                         |                 |                                       | -                                  |              |              | -            | -    | -     |     |
|                                                     | dB-A (H/L)                                                             |                                         | -                                                |                 |                                       | 47/-                               |              |              | -            | -    | -     |     |
|                                                     | Power Level dB                                                         |                                         | -                                                |                 |                                       | 66/-                               |              |              | -            | -    | -     |     |
| LOW TEMP                                            | Total capacity(kW) / Input power(W) / COP                              |                                         |                                                  |                 | -                                     |                                    |              | -            | -            | -    | -     |     |
| EXTRA LOW TEMP                                      | Total capacity(kW) / Input power(W) / COP                              |                                         |                                                  |                 | -                                     |                                    |              | -            | -            | -    | -     |     |
| Max Current(A) / Max Input power(W)                 |                                                                        | -                                       |                                                  |                 | -                                     | -                                  | 8.90 / 1.95k | 8.90 / 1.99k | 8.90 / 2.04k | -    | -     |     |
| Starting current(A) (Cooling/Heating)               |                                                                        | -                                       |                                                  |                 | -                                     | -                                  | 2.65 / 3.40  | 2.55 / 3.25  | 2.45 / 3.10  | -    | -     |     |
| Comp output(W)                                      |                                                                        | -                                       |                                                  |                 | -                                     | -                                  | 1.10k        | 1.10k        | 1.10k        | -    | -     |     |
| Time Delay fuse max size(A)                         |                                                                        | -                                       |                                                  |                 | -                                     | -                                  | 15           | -            | -            | -    | -     |     |
| Network Impedance(ΩMAX.)                            |                                                                        | -                                       |                                                  |                 | -                                     | -                                  | -            | -            | -            | -    | -     |     |
| Fan motor output (Indoor/Outdoor) W                 |                                                                        | -                                       |                                                  |                 | 31                                    | -                                  | -            | 40           | -            | -    | -     |     |
| Moisture removal volume                             |                                                                        | L/h                                     |                                                  | 0.7 (0.7 ×1)    |                                       |                                    | -            | -            | -            | -    | -     |     |
| External static pressure                            |                                                                        | Pa                                      |                                                  | -               |                                       |                                    | -            | -            | -            | -    | -     |     |
| Indoor Air flow *7                                  | Cooling                                                                | m³/min (H/M/L)                          |                                                  | 8.5 / 7.0 / 6.0 |                                       |                                    | -            | -            | -            | -    | -     |     |
|                                                     | Heating                                                                | m³/min (H/M/L)                          |                                                  | 8.5 / 7.0 / 6.0 |                                       |                                    | -            | -            | -            | -    | -     |     |
| Outdoor Air flow                                    | Cooling                                                                | m³/min                                  |                                                  | -               |                                       |                                    | -            | 33.6         | -            | -    | -     |     |
|                                                     | Heating                                                                | m³/min                                  |                                                  | -               |                                       |                                    | -            | 34.0         | -            | -    | -     |     |
| Refrigerant type / amount(ship) kg / amount(max) kg |                                                                        | -                                       |                                                  |                 | -                                     | -                                  | R32          | 0.870        | 0.950        | -    | -     |     |
| F-Gas                                               | GWP /                                                                  |                                         | -                                                |                 |                                       | -                                  | 675          | 0.59         | 0.64         | -    | -     |     |
|                                                     | CO2eq (ton) (PRECHARGED AMOUNT) / CO2eq (ton) (MAXIMUM CHARGED AMOUNT) |                                         | -                                                |                 |                                       | -                                  | -            | -            | -            | -    | -     |     |
| Product dimension                                   |                                                                        | Height                                  | mm                                               |                 | 243                                   |                                    |              | 619          |              |      | -     | -   |
|                                                     |                                                                        | Width                                   | mm                                               |                 | 575                                   |                                    |              | 824          |              |      | -     | -   |
|                                                     |                                                                        | Depth                                   | mm                                               |                 | 575                                   |                                    |              | 299          |              |      | -     | -   |
| Product dimension (Panel)                           |                                                                        | H×W×D                                   | mm                                               |                 | 30 × 625 × 625                        |                                    |              | -            |              |      | -     | -   |
| Packing dimension                                   |                                                                        | Height                                  | mm                                               |                 | 325                                   |                                    |              | 680          |              |      | -     | -   |
|                                                     |                                                                        | Width                                   | mm                                               |                 | 745                                   |                                    |              | 958          |              |      | -     | -   |
|                                                     |                                                                        | Depth                                   | mm                                               |                 | 700                                   |                                    |              | 416          |              |      | -     | -   |
| Weight                                              |                                                                        | (NET)                                   | kg                                               |                 | 15                                    |                                    |              | 32           |              |      | -     | -   |
|                                                     |                                                                        | (GROSS)                                 | kg                                               |                 | 20                                    |                                    |              | 35           |              |      | -     | -   |
|                                                     |                                                                        | Panel (NET)                             | kg                                               |                 | 2.8                                   |                                    |              | -            |              |      | -     | -   |
| Layers limit (actually)                             |                                                                        | 11(12)                                  |                                                  |                 | 5(6)                                  |                                    |              | -            | -            | -    | -     |     |
| Operation condition                                 |                                                                        | Cool (DBT)                              | 18°C ~ 32°C                                      |                 |                                       | -10°C ~ 43°C                       |              |              | -            | -    | -     |     |
|                                                     |                                                                        | Heat (DBT)                              | 16°C ~ 30°C                                      |                 |                                       | -15°C ~ 24°C                       |              |              | -            | -    | -     |     |
| Max Working Pressure HP/LP MPa                      |                                                                        | 4.15 / 2.55                             |                                                  |                 | -                                     |                                    |              | -            | -            | -    | -     |     |
| P I P E I N G                                       | Pipe port diameter mm (inch)                                           |                                         | (Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)               |                 |                                       | (Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2) |              |              | -            | -    | -     |     |
|                                                     | Pipe diameter mm (inch)                                                |                                         | (Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2)               |                 |                                       | (Liquid)Ø6.35(1/4) (Gas)Ø12.7(1/2) |              |              | -            | -    | -     |     |
|                                                     | Connecting method                                                      |                                         | flared type                                      |                 |                                       | flared type                        |              |              | -            | -    | -     |     |
|                                                     | Standard length m                                                      |                                         | 5 m                                              |                 |                                       | -                                  |              |              | -            | -    | -     |     |
|                                                     | Pipe length range m                                                    |                                         | 3 ~ 15 m                                         |                 |                                       | -                                  |              |              | -            | -    | -     |     |
|                                                     | Indoor unit & Outdoor unit height difference m                         |                                         | 15 m(OD located lower) / 15 m(OD located higher) |                 |                                       | -                                  |              |              | -            | -    | -     |     |
| Add gas amount g/m                                  |                                                                        | 10 g/m                                  |                                                  |                 | -                                     |                                    |              | -            | -            | -    | -     |     |
| Pipe length for additional gas m                    |                                                                        | 7.5 m                                   |                                                  |                 | -                                     |                                    |              | -            | -            | -    | -     |     |

\* In the case of nanoe X OFF

\*1 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.

\*2 If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230V shall be used.

\*3 Network Impedance shall be applicable for EUROPE and CHINA models.

\*4 The annual consumption is calculated by multiplying the input power at 230V(400V) by an average of 500 hours per year in cooling mode.

\*5 EER and COP classification is at 230V(400V) only in accordance with EU directive 2002/31/EC.

\*6 SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet

\*7 H:High at setting 5 stage (Level 5), M:Middle at setting 5 stage (Level 3), L:Low at setting 5 stage (Level 1)