



Product information



Technical documents
Download from PRO CLUB

PACKAGED AIR CONDITIONERS
NX SERIES DELUXE/STANDARD
2025/2026



**Building Passion,
Building Solutions.**
Panasonic Air Conditioning Systems

We face a time in which “quality air” differentiates business. It’s a time for Panasonic to fully display its strengths. Our ability to assemble and build superior systems isn’t just due to the rich resources we have as a comprehensive electronics manufacturer, but also to Panasonic’s 100 years of tradition, where each person thinks and acts on their own initiative while working in a team to reach further heights. We do not compromise. Each of our independent selves is a one stop solution. We face our customers’ challenges together with our customers and do all that we can to build effective systems. As a true partner for our customers, we strive to always be at the forefront of business.

- Please read the Installation Instructions carefully before installing the unit, and the Operating Instructions before using it.
- Specifications are subject to change without prior notice.
- The contents of this catalogue are accurate as of March 2025.
- Due to printing considerations, actual colours may vary slightly from those shown.
- All graphics are provided solely for the purpose of illustrating a point.



Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for damage or deterioration in safety due to usage of other refrigerant.

Authorised Dealer

SEAMY_PAC_INV_NX-DLX-STD_2025_V1_MAR 2025

**Panasonic Air-conditioning Malaysia (PACMY)
Customer Call Centre**

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nanoeX

INVERTER



QUALITY AIR FOR LIFE

NX Series Product Lineup

- DELUXE 4-Way Cassette, equipped with nanoe™ X technology (Mark 3)
- Other indoor units are equipped with nanoe™ X technology (Mark 2) as standard
- The NX series features DELUXE and STANDARD series models.



| Capacity [Btu/h] | | 17,100 | 20,500 | 24,200 | 27,600 / 29,000 | 34,100 | 42,700 | 47,800 |
|---|---|---------------|--------------|---------------|-----------------|--------------|----------------|----------------|
| 4-Way Cassette DELUXE  |  | S-1821PU3HA-1 | | S-2430PU3HA-1 | | | S-3448PU3HA-1 | |
| | | | | | | | | |
| 4-Way Cassette STANDARD  |  | S-1821PU3H-1 | | S-2430PU3H-1 | | | S-3448PU3H-1 | |
| | | | | | | | | |
| Adaptive Ducted DELUXE/STANDARD  |  | S-1821PF3H | | S-2430PF3H | | | S-3448PF3H*2 | |
| | | | | | | | | |
| Ceiling Exposed DELUXE/STANDARD  |  | S-1821PT3H | | S-2430PT3H | | | S-3448PT3H*2 | |
| | | | | | | | | |
| Outdoor DELUXE  |  | U-18PRH1H5-1 | U-21PRH1H5-1 | U-24PRH1H5-1 | — | U-34PRH1H5-1 | U-43PRH1H5-1 | U-48PRH1H5-1 |
| | | — | — | — | — | — | U-43PRH1H8-1*2 | U-48PRH1H8-1*2 |
| Outdoor STANDARD  |  | U-18PR1H5-1 | U-21PR1H5-1 | U-24PR1H5-1 | U-30PR1H5-1 | U-34PR1H5-1 | U-43PR1H5-1 | U-48PR1H5-1 |
| | | — | — | — | — | — | U-43PR1H8-1*2 | U-48PR1H8-1*2 |

*1 Black models are also available.
*2 3-phase model newly added.
Note: DELUXE and STANDARD Series indoor units can only be connected to outdoor units of the same series.

Differences between DELUXE and STANDARD 4-Way Cassette

The DELUXE and STANDARD series differ in terms of nanoe effectiveness, energy efficiency and operating temperature, depending on the project requirements.



| Differences | DELUXE Series | STANDARD Series |
|-----------------|---------------------|--|
| nanoe™X | Generator Mark 3 | Generator Mark 2 |
| CONEX | Connectable | Connectable |
| COP | Ave. 4.15 | Ave. 3.38 |
| CSPF | Ave. 6.50 | Ave. 5.80 |
| Operation range | 16 - 52°C | 16 - 46°C |
| Piping length | 5-50m for all range | 24,200Btu or less 5-30m 29,000Btu and above 5-50m |

24-hour nanoe™ X Air Protection

Get 24 hours of quality air for you and your loved ones by turning nanoe™ X on using Panasonic Comfort Cloud anywhere, anytime. nanoe™ X functions in the cooling mode and is maintenance-free, helping you enjoy cleaner air while keeping your costs down.









Please refer to the nanoe™ X website.




7 Effects of nanoe™ X : Creating Cleaner Environments

nanoe™ inhibits 5 types of pollutants, deodorises and moisturises thanks to the action of hydroxyl radicals contained in water.

Deodorises

Odours

Inhibits 5 types of pollutants

Bacteria & viruses

Mould

Allergens

Pollen

Hazardous substances

Moisturises

Skin & Hair



nanoe™ X Effectiveness Proven in Large Space
Access to the evidence page of nanoe™ X effect

Smart Comfort with CONEX

CONEX offers IoT integration that connects directly to a variety of apps for next-generation solutions.
Easy control and access for end users, installers, and service partners with just one remote.




Access to the evidence page of conex





CONEX Control

New smart design/colour with built-in BLE & WLAN model.



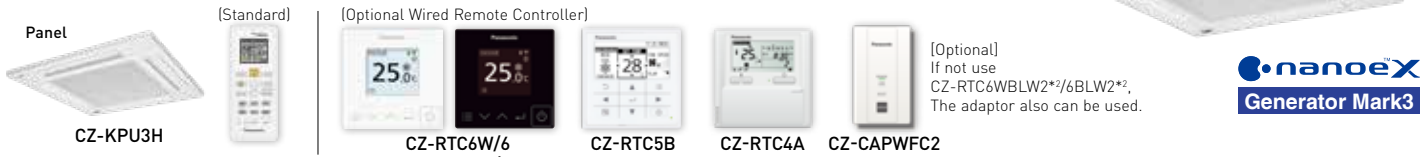
**Comfort Cloud-End User**
High level control and energy monitoring via WLAN and cloud giving access from anywhere anytime.

**H&C Control App-End User & Installer**
H&C Control App makes complex initial set-up easy and allows installers to respond swiftly to clients' requests via Bluetooth .

**H&C Diagnosis App-Service Partner**
Provides the service partner with detailed operational data, for in-depth analysis and optimising the system.

DELUXE
4-WAY CASSETTE

- With the further advanced air purification technology of nanoe™ X Generator Mark 3.
- Powerful industry-leading, 360° wide, comfortable airflow.
- The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy.



DELUXE

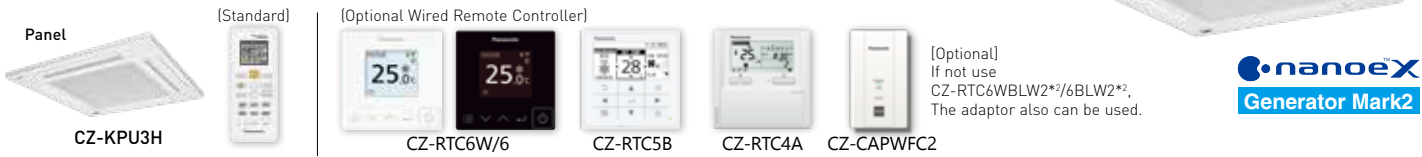
| Capacity [Btu/h(Phase)] | 17,100 | 20,500 | 24,200 | 34,100 | 42,700 | 42,700(3) | 47,800 | 47,800(3) |
|-----------------------------------|-----------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Power Source | V/Phase Hz | | 230V, 1Ø Phase - 50Hz | | 400V, 3Ø Phase - 50Hz | | 230V, 1Ø Phase - 50Hz | |
| Indoor Unit | S-1821PU3HA-1 | S-1821PU3HA-1 | S-2430PU3HA-1 | S-3448PU3HA-1 | S-3448PU3HA-1 | S-3448PU3HA-1 | S-2430PU3H-1 | S-2430PU3H-1 |
| Outdoor Unit | U-18PRH1H5-1 | U-21PRH1H5-1 | U-24PRH1H5-1 | U-34PRH1H5-1 | U-43PRH1H5-1 | U-43PRH1H8-1 | U-48PRH1H5-1 | U-48PRH1H8-1 |
| Panel | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H |
| Cooling Capacity: Rated [Min-Max] | kW | 5.00 [2.00-6.00] | 6.00 [2.00-6.30] | 7.10 [2.10-8.00] | 10.00 [3.80-11.20] | 12.50 [3.80-14.00] | 14.00 [5.30-15.50] | 14.00 [5.30-15.50] |
| | Btu/h | 17,100 [6,820-20,500] | 20,500 [6,820-21,500] | 24,200 [7,170-27,300] | 34,100 [13,000-38,200] | 42,700 [13,000-47,800] | 47,800 [18,100-52,900] | 47,800 [18,100-52,900] |
| Current: Rated [Max] | A | 4.1 [9.1] | 5.7 [11.0] | 7.0 [12.0] | 11.1 [25.5] | 16.2 [26.0] | 19.4 [28.0] | 19.4 [28.0] |
| Power Input: Rated [Min-Max] | kW | 0.90 [0.26-1.35] | 1.27 [0.26-1.65] | 1.57 [0.28-2.25] | 2.35 [0.62-3.00] | 3.42 [0.63-4.10] | 4.10 [0.96-4.90] | 4.10 [0.96-4.90] |
| CSPF | | 7.50 | 7.10 | 6.80 | 6.60 | 6.30 | 5.70 | 5.70 |
| COP/EER | W/W | 5.56 | 4.72 | 4.52 | 4.26 | 3.65 | 3.41 | 3.41 |
| | Btu/hW | 19.00 | 16.14 | 15.41 | 14.51 | 12.49 | 11.66 | 11.66 |
| Indoor Unit | | | | | | | | |
| Air Volume | m³/min | 28.5 | 28.5 | 28.5 | 36.4 | 36.4 | 36.4 | 36.4 |
| | cfm | 1,006 | 1,006 | 1,006 | 1,285 | 1,285 | 1,285 | 1,285 |
| Sound Pressure Level [Hi/L0] | dB [A] | 46 / 35 | 46 / 35 | 46 / 35 | 47 / 41 | 47 / 41 | 47 / 41 | 47 / 41 |
| Sound Power Level [Hi/L0] | dB | 61 / 50 | 61 / 50 | 61 / 50 | 62 / 56 | 62 / 56 | 62 / 56 | 62 / 56 |
| Dimension | Indoor [HxWxD] | mm | 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 [HxWxD] | mm | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 |
| Net Weight | Indoor | kg | 21 | 21 | 21 | 24 | 24 | 24 |
| | Panel | kg | 5 | 5 | 5 | 5 | 5 | 5 |
| Outdoor Unit | | | | | | | | |
| Sound Pressure Level | dB [A] | 50 | 51 | 53 | 54 | 57 | 58 | 58 |
| Sound Power Level | dB | 69 | 70 | 72 | 73 | 76 | 77 | 77 |
| Dimension | Outdoor [HxWxD] | 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 |
| Net Weight | | kg | 39 | 39 | 39 | 69 | 75 | 73 |
| Piping Connection | Gas Pipe | mm (inch) | 12.70 [1/2] | 12.70 [1/2] | 15.88 [5/8] | 15.88 [5/8] | 15.88 [5/8] | 15.88 [5/8] |
| | Liquid Pipe | mm (inch) | 6.35 [1/4] | 6.35 [1/4] | 9.52 [3/8] | 9.52 [3/8] | 9.52 [3/8] | 9.52 [3/8] |
| Pipe Length | Min-Max | m | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 |
| Elevation Difference | | m | 30 | 30 | 30 | 30 | 30 | 30 |
| Maximum Chargeless Length | Max | m | 30 | 30 | 30 | 30 | 30 | 30 |
| Additional Gas | | g/m | 15 | 15 | 25 | 25 | 25 | 25 |
| Operation Range, Outdoor | Min-Max | °C | 16-52 | 16-52 | 16-52 | 16-52 | 16-52 | 16-52 |

* Specifications are subject to change without notice. Please refer to technical documents for more details.
* The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * DELUXE series indoor units can only be connected to outdoor units of the same series.

Specifications of R32 DELUXE Series

STANDARD
4-WAY CASSETTE

- Industry-leading Powerful, 360° wide & comfortable airflow.
- Individual flap control for true-comfort.
- The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy.



STANDARD

| Capacity [Btu/h(Phase)] | | 17,100 | 20,500 | 24,200 | 29,000 | 34,100 | 42,700 | 42,700 (3) | 47,800 | 47,800 (3) | |
|-----------------------------------|--|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--|
| Power Source | | V/Phase Hz | | 230V, 1Ø Phase - 50Hz | | 230V, 1Ø Phase - 50Hz | | 400V, 3Ø Phase - 50Hz | | 400V, 3Ø Phase - 50Hz | |
| Indoor Unit | | S-1821PU3H-1 | S-1821PU3H-1 | S-2430PU3H-1 | S-2430PU3H-1 | S-3448PU3H-1 | S-3448PU3H-1 | S-3448PU3H-1 | S-3448PU3H-1 | S-3448PU3H-1 | |
| Outdoor Unit | | U-18PR1H5-1 | U-21PR1H5-1 | U-24PR1H5-1 | U-30PR1H5-1 | U-34PR1H5-1 | U-34PR1H5-1 | U-43PR1H8-1 | U-48PR1H5-1 | U-48PR1H8-1 | |
| Panel | | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | CZ-KPU3H | |
| Cooling Capacity: Rated [Min-Max] | | kW | 5.00 [2.00-5.60] | 6.00 [2.00-6.30] | 7.10 [2.10-8.00] | 8.50 [2.10-10.00] | 10.00 [3.20-11.20] | 12.50 [3.80-14.00] | 12.50 [3.80-14.00] | 14.00 [3.80-14.71] | |
| | | Btu/h | 17,100 [6,820-19,100] | 20,500 [6,820-21,500] | 24,200 [7,170-27,300] | 29,000 [7,170-34,100] | 34,100 [10,900-38,200] | 42,700 [13,000-47,800] | 47,800 [13,000-50,200] | 47,800 [13,000-50,200] | |
| Current: Rated [Max] | | A | 5.2 [9.1] | 7.7 [11.0] | 8.8 [12.0] | 11.2 [15.5] | 14.3 [16.5] | 17.7 [26.0] | 22.8 [28.0] | 7.5 [11.0] | |
| Power Input: Rated [Min-Max] | | kW | 1.14 [0.38-1.50] | 1.71 [0.38-2.10] | 1.99 [0.30-2.26] | 2.52 [0.28-3.33] | 3.23 [0.61-3.73] | 3.74 [0.63-4.25] | 4.83 [0.63-5.10] | 4.83 [0.63-5.10] | |
| CSPF | | | 6.27 | 5.89 | 6.08 | 5.97 | 5.89 | 5.80 | 5.23 | 5.23 | |
| COP/EER | | W/W | 4.39 | 3.51 | 3.57 | 3.37 | 3.10 | 3.34 | 2.90 | 2.90 | |
| | | Btu/hW | 15.00 | 11.99 | 12.16 | 11.51 | 10.56 | 11.42 | 9.90 | 9.90 | |
| Indoor Unit | | | | | | | | | | | |
| Air Volume | | m³/min | 28.5 | 28.5 | 28.5 | 28.5 | 36.4 | 36.4 | 36.4 | 36.4 | |
| | | cfm | 1,006 | 1,006 | 1,006 | 1,006 | 1,285 | 1,285 | 1,285 | 1,285 | |
| Sound Pressure Level [Hi/L0] | | dB [A] | 46 / 35 | 46 / 35 | 46 / 35 | 46 / 35 | 47 / 41 | 47 / 41 | 47 / 41 | 47 / 41 | |
| Sound Power Level [Hi/L0] | | dB | 61 / 50 | 61 / 50 | 61 / 50 | 61 / 50 | 62 / 56 | 62 / 56 | 62 / 56 | 62 / 56 | |
| Dimension | | Indoor [H×W×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×W×D] | mm | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 | 44 x 950 x 950 | |
| Net Weight | | Indoor | kg | 21 | 21 | 21 | 21 | 24 | 24 | 24 | |
| | | Panel | kg | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| Outdoor Unit | | | | | | | | | | | |
| Sound Pressure Level | | dB [A] | 49 | 50 | 51 | 53 | 55 | 57 | 58 | 58 | |
| Sound Power Level | | dB | 68 | 69 | 70 | 72 | 74 | 76 | 77 | 77 | |
| Dimension | | Outdoor [H×W×D] | mm | 619 x 824 x 299 | 619 x 824 x 299 | 619 x 824 x 299 | 695 x 875 x 320 | 996 x 980 x 370 | 996 x 980 x 370 | 996 x 980 x 370 | |
| Net Weight | | | kg | 29 | 33 | 39 | 48 | 68 | 67 | 67 | |
| Piping Connection | | Gas Pipe | mm (inch) | 12.70 [1/2] | 12.70 [1/2] | 15.88 [5/8] | 15.88 [5/8] | 15.88 [5/8] | 15.88 [5/8] | 15.88 [5/8] | |
| | | Liquid Pipe | mm (inch) | 6.35 [1/4] | 6.35 [1/4] | 9.52 [3/8] | 9.52 [3/8] | 9.52 [3/8] | 9.52 [3/8] | 9.52 [3/8] | |
| Pipe Length | | Min-Max | m | 5 - 30 | 5 - 30 | 5 - 30 | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 | |
| Elevation Difference | | | m | 20 | 20 | 20 | 30 | 30 | 30 | 30 | |
| Maximum Chargeless Length | | Max | m | 10 | 10 | 10 | 30 | 30 | 30 | 30 | |
| Additional Gas | | | g/m | 15 | 15 | 15 | 25 | 25 | 25 | 25 | |
| Operation Range, Outdoor | | Min-Max | °C | 16-46 | 16-46 | 16-46 | 16-46 | 16-46 | 16-46 | 16-46 | |

* Specifications are subject to change without notice. Please refer to technical documents for more details.
* The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series.

Specifications of R32 STANDARD Series

What's nanoe™ X Generator Mark 3

48 Trillion Hydroxyl Radicals Generated

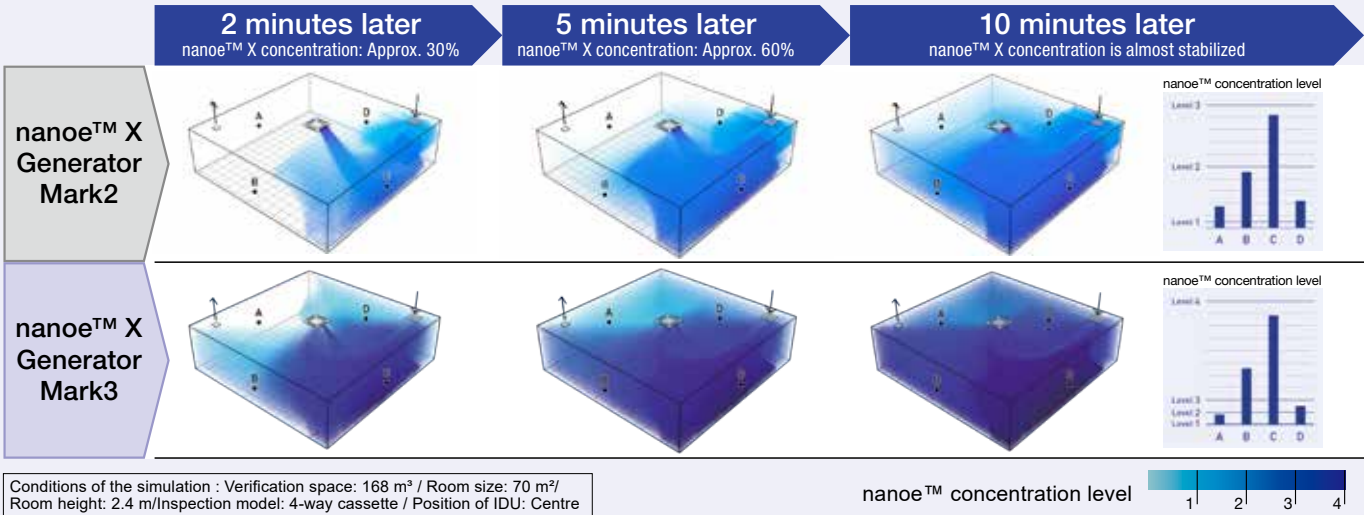
The amount of hydroxyl radicals generated increased 100 times, compared to original nanoe™.

Higher Concentration, Even in Large Spaces

Greater effectiveness even in large spaces of more than 100 m².

nanoe™ X Concentration Simulation

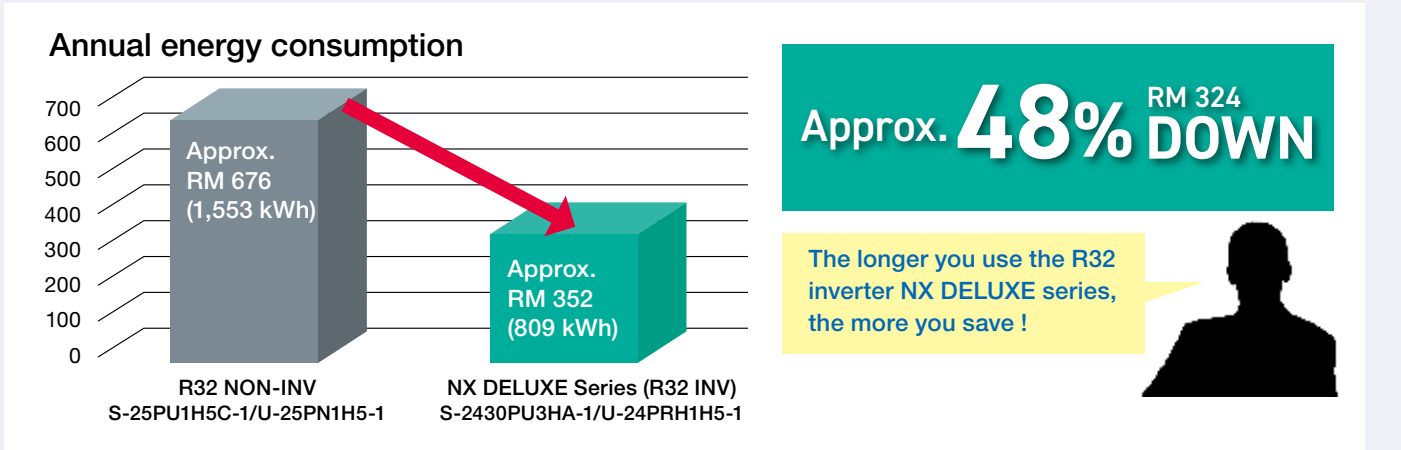
Higher concentration levels of generator mark 3 than mark 2.



* There are 7 key benefits provided by nanoe which commence when concentration reaches Level 1. The concentration level affects the speed at which the benefits occur. Concentration level 2 is 10 times the concentration of level 1, and concentration level 3 is 20 times the concentration of level 1. ** The results shown are for simulation purpose only and concentration may vary due to actual room conditions

High COP: Save More with DELUXE Series

Comparison between R32 NON-INV (S-25PU1H5C-1/U-25PN1H5-1) and R32 INV NX DELUXE Series (S-2430PU3HA-1/U-24PRH1H5-1)



| Capacity [Btu] | Annual Energy Consumption [kWh] | | | | Saving by Year [Accumulated/RM] | | | | | | | | |
|-----------------|---------------------------------|-------------|------------|-----|---------------------------------|-----|-------|-------|-------|-------|-------|-------|--|
| | NX DELUXE | R32 NON-INV | Difference | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| 20,500 / 19,500 | 655 | 1,161 | 506 | 44% | 220 | 441 | 661 | 881 | 1,101 | 1,322 | 1,542 | 1,762 | |
| 24,200 / 26,000 | 809 | 1,553 | 744 | 48% | 324 | 648 | 972 | 1,296 | 1,619 | 1,943 | 2,267 | 2,591 | |
| 34,100 / 36,000 | 1,174 | 2,064 | 890 | 43% | 387 | 774 | 1,162 | 1,519 | 1,936 | 2,323 | 2,710 | 3,098 | |
| 42,700 / 42,000 | 1,537 | 2,260 | 723 | 32% | 314 | 629 | 943 | 1,258 | 1,572 | 1,886 | 2,201 | 2,515 | |
| 47,800 / 48,500 | 1,903 | 3,016 | 1,113 | 37% | 484 | 969 | 1,453 | 1,937 | 2,421 | 2,906 | 3,390 | 3,874 | |

* Annual energy consumption is calculated based on ISO16358-1 * Operating hours: 8 hours per day x 240 days = 1,920 hours
* Electricity Bill: 44sen/kWh, TENEGA NASIONAL, Low voltage commercial, 1-200kWh per month * Comparison between Inverter U-**PRH1 series and Non-Inverter U-**PN1H series.

DELUXE / STANDARD
ADAPTIVE DUCTED

- Air intake from rear as standard. Industry-leading horizontal and vertical design.
- Powerful 150Pa ESP and space saving 250 mm height, filter included.
- Built-in Drain pump and selectable air inlet position (bottom and rear).



Selectable
Remote
Controller



[Optional]
If not use
CZ-RTC6WBLW2*/6BLW2*,
The adaptor also can be used.

nanoe[™]
Generator Mark2

DELUXE

| Capacity [Btu/h(Phase)] | | 17,100 | 20,500 | 24,200 | 34,100 | 42,700 | 42,700(3) | 47,800 | 47,800(3) |
|-----------------------------------|-----------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Power Source | | V/Phase Hz | | 230V, 1Ø Phase - 50Hz | | 400V, 3Ø Phase - 50Hz | | 230V, 1Ø Phase - 50Hz | |
| Indoor Unit | | S-1821PF3H | S-1821PF3H | S-2430PF3H | S-3448PF3H | S-3448PF3H | S-3448PF3H | S-3448PF3H | S-3448PF3H |
| Outdoor Unit | | U-18PR1H5-1 | U-21PR1H5-1 | U-24PR1H5-1 | U-34PR1H5-1 | U-43PR1H5-1 | U-43PR1H5-1 | U-48PR1H5-1 | U-48PR1H5-1 |
| Cooling Capacity: Rated [Min-Max] | kW | 5.00 [1.60-6.00] | 6.00 [1.60-6.30] | 7.10 [1.80-8.00] | 10.00 [3.80-11.20] | 12.50 [3.80-14.00] | 12.50 [3.80-14.00] | 14.00 [5.30-15.50] | 14.00 [5.30-15.50] |
| | Btu/h | 17,100 [5,460-20,500] | 20,500 [5,460-21,500] | 24,200 [6,140-27,300] | 34,100 [13,000-38,200] | 42,700 [13,000-47,800] | 42,700 [13,000-47,800] | 47,800 [18,100-52,900] | 47,800 [18,100-52,900] |
| Current: Rated [Max] | A | 5.3 [9.1] | 7.1 [11.0] | 8.0 [12.0] | 11.3 [25.5] | 17.0 [26.0] | 5.6 [10.5] | 20.5 [28.0] | 6.7 [11.5] |
| Power Input: Rated [Min-Max] | kW | 1.16 [0.24-1.55] | 1.58 [0.24-1.80] | 1.80 [0.30-2.35] | 2.40 [0.65-3.08] | 3.59 [0.65-4.35] | 3.59 [0.65-4.35] | 4.34 [0.96-5.15] | 4.34 [0.96-5.15] |
| CSPF | | 5.90 | 5.60 | 6.10 | 6.40 | 5.45 | 5.45 | 5.55 | 5.55 |
| COP/EER | W/W | 4.31 | 3.80 | 4.17 | 3.48 | 3.48 | 3.23 | 3.23 | 3.23 |
| | Btu/hW | 14.74 | 12.97 | 13.44 | 14.21 | 11.89 | 11.89 | 11.01 | 11.01 |
| Indoor Unit | | | | | | | | | |
| Air Volume | m³/min | 16.0 | 16.0 | 21.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| | cfm | 565 | 565 | 740 | 1,270 | 1,270 | 1,270 | 1,270 | 1,270 |
| External static pressure | Pa | 30 [10-150] | 30 [10-150] | 30 [10-150] | 50 [10-150] | 50 [10-150] | 50 [10-150] | 50 [10-150] | 50 [10-150] |
| Sound Pressure Level [Hi/L0] | dB [A] | 35 / 29 | 35 / 29 | 35 / 29 | 40 / 30 | 40 / 30 | 40 / 30 | 40 / 30 | 40 / 30 |
| Sound Power Level [Hi/L0] | dB | 58 / 52 | 58 / 52 | 58 / 52 | 63 / 53 | 63 / 53 | 63 / 53 | 63 / 53 | 63 / 53 |
| Dimension | Indoor (HxWxD) | mm | 250 x 800 x 730 | 250 x 800 x 730 | 250 x 1,000 x 730 | 250 x 1,400 x 730 | 250 x 1,400 x 730 | 250 x 1,400 x 730 | 250 x 1,400 x 730 |
| Net Weight | Indoor | kg | 25 | 25 | 30 | 39 | 39 | 39 | 39 |
| Outdoor Unit | | | | | | | | | |
| Sound Pressure Level | dB [A] | 50 | 51 | 53 | 54 | 57 | 57 | 58 | 58 |
| Sound Power Level | dB | 69 | 70 | 72 | 73 | 76 | 76 | 77 | 77 |
| Dimension | Outdoor (HxWxD) | 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 | 39 | 39 | 69 | 69 | 67 | 75 | 73 |
| Piping Connection | Gas Pipe | mm (inch) | 12.70 (1/2) | 12.70 (1/2) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) |
| | Liquid Pipe | mm (inch) | 6.35 (1/4) | 6.35 (1/4) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) |
| Pipe Length | Min-Max | m | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 |
| Elevation Difference | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Maximum Chargeless Length | Max | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Additional Gas | g/m | 15 | 15 | 25 | 25 | 25 | 25 | 25 | 25 |
| Operation Range, Outdoor | Min-Max | °C | 16-52 | 16-52 | 16-52 | 16-52 | 16-52 | 16-52 | 16-52 |

* Specifications are subject to change without notice. Please refer to technical documents for more details.
* The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * DELUXE series indoor units can only be connected to outdoor units of the same series.



nanoe[™]
Generator Mark2

STANDARD

| Capacity [Btu/h(Phase)] | | 17,100 | 20,500 | 24,200 | 27,600 | 34,100 | 42,700 | 42,700 (3) | 47,000 | 47,000 (3) |
|-----------------------------------|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Power Source | | V/Phase Hz | | 230V, 1Ø Phase - 50Hz | | 400V, 3Ø Phase - 50Hz | | 230V, 1Ø Phase - 50Hz | | 400V, 3Ø Phase - 50Hz |
| Indoor Unit | | S-1821PF3H | S-1821PF3H | S-2430PF3H | S-2430PF3H | S-3448PF3H | S-3448PF3H | S-3448PF3H | S-3448PF3H | S-3448PF3H |
| Outdoor Unit | | U-18PR1H5-1 | U-21PR1H5-1 | U-24PR1H5-1 | U-30PR1H5-1 | U-34PR1H5-1 | U-43PR1H5-1 | U-48PR1H5-1 | U-48PR1H5-1 | U-48PR1H5-1 |
| Cooling Capacity: Rated [Min-Max] | kW | 5.00 [2.00-5.60] | 6.00 [2.00-6.30] | 7.10 [2.00-7.60] | 8.10 [2.00-8.90] | 10.00 [3.20-11.20] | 12.50 [3.80-13.50] | 12.50 [3.80-13.50] | 13.77 [3.80-14.20] | 13.77 [3.80-14.20] |
| | Btu/h | 17,100 [6,820-19,100] | 20,500 [6,820-21,500] | 24,200 [6,820-25,900] | 27,600 [6,820-30,400] | 34,100 [10,900-38,200] | 42,700 [13,000-46,100] | 42,700 [13,000-46,100] | 47,000 [13,000-48,500] | 47,000 [13,000-48,500] |
| Current: Rated [Max] | A | 6.9 [9.1] | 8.7 [11.0] | 10.1 [12.0] | 11.5 [15.5] | 13.8 [16.5] | 18.7 [26.0] | 6.1 [10.5] | 22.5 [28.0] | 7.4 [11.0] |
| Power Input: Rated [Min-Max] | kW | 1.54 [0.41-1.75] | 1.95 [0.41-2.30] | 2.27 [0.34-2.48] | 2.60 [0.33-2.90] | 3.12 [0.59-3.65] | 3.96 [0.65-4.35] | 3.96 [0.65-4.35] | 4.77 [0.65-4.95] | 4.77 [0.65-4.95] |
| CSPF | | 5.02 | 4.65 | 5.21 | 5.21 | 4.74 | 5.02 | 5.02 | 4.74 | 4.74 |
| COP/EER | W/W | 3.25 | 3.08 | 3.13 | 3.12 | 3.21 | 3.16 | 3.16 | 2.89 | 2.89 |
| | Btu/hW | 11.10 | 10.51 | 10.66 | 10.62 | 10.93 | 10.78 | 10.78 | 9.85 | 9.85 |
| Indoor Unit | | | | | | | | | | |
| Air Volume | m³/min | 16.0 | 16.0 | 21.0 | 21.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| | cfm | 565 | 565 | 740 | 740 | 1,270 | 1,270 | 1,270 | 1,270 | 1,270 |
| External static pressure | Pa | 30 [10-150] | 30 [10-150] | 30 [10-150] | 30 [10-150] | 50 [10-150] | 50 [10-150] | 50 [10-150] | 50 [10-150] | 50 [10-150] |
| Sound Pressure Level [Hi/L0] | dB [A] | 35 / 29 | 35 / 29 | 35 / 29 | 35 / 29 | 40 / 30 | 40 / 30 | 40 / 30 | 40 / 30 | 40 / 30 |
| Sound Power Level [Hi/L0] | dB | 58 / 52 | 58 / 52 | 58 / 52 | 58 / 52 | 63 / 53 | 63 / 53 | 63 / 53 | 63 / 53 | 63 / 53 |
| Dimension | Indoor (HxWxD) | mm | 250 x 800 x 730 | 250 x 800 x 730 | 250 x 1,000 x 730 | 250 x 1,400 x 730 | 250 x 1,400 x 730 | 250 x 1,400 x 730 | 250 x 1,400 x 730 | 250 x 1,400 x 730 |
| Net Weight | Indoor | kg | 25 | 25 | 30 | 30 | 39 | 39 | 39 | 39 |
| Outdoor Unit | | | | | | | | | | |
| Sound Pressure Level | dB [A] | 50 | 51 | 51 | 53 | 55 | 57 | 57 | 58 | 58 |
| Sound Power Level | dB | 69 | 70 | 70 | 72 | 74 | 76 | 76 | 77 | 77 |
| Dimension | Outdoor (HxWxD) | mm | 619 x 824 x 299 | 619 x 824 x 299 | 619 x 824 x 299 | 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 |
| Net Weight | | kg | 29 | 29 | 33 | 39 | 48 | 68 | 68 | 67 |
| Piping Connection | Gas Pipe | mm (inch) | 12.70 (1/2) | 12.70 (1/2) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) |
| | Liquid Pipe | mm (inch) | 6.35 (1/4) | 6.35 (1/4) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) |
| Pipe Length | Min-Max | m | 5 - 30 | 5 - 30 | 5 - 30 | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 | 5 - 50 |
| Elevation Difference | m | 20 | 20 | 20 | 30 | 30 | 30 | 30 | 30 | 30 |
| Maximum Chargeless Length | Max | m | 15 | 15 | 15 | 25 | 25 | 25 | 25 | 25 |
| Additional Gas | g/m | 10 | 10 | 10 | 30 | 30 | 30 | 30 | 30 | 30 |
| Operation Range, Outdoor | Min-Max | °C | 16-46 | 16-46 | 16-46 | 16-46 | 16-46 | 16-46 | 16-46 | 16-46 |

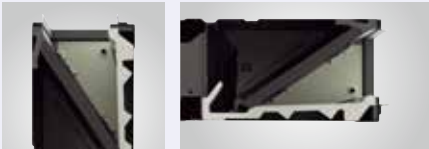
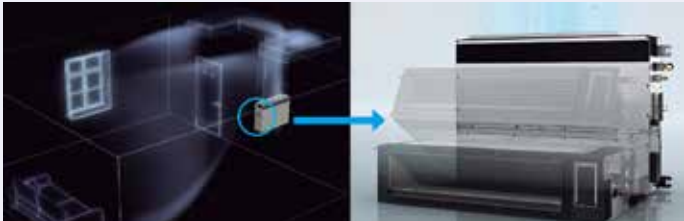
* Specifications are subject to change without notice. Please refer to technical documents for more details.
* The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616. * STANDARD series indoor units can only be connected to outdoor units of the same series.

Flexible Installation Adaptive Ducted

NX Series Adaptive Ducted units can be mounted not only horizontally but also vertically without the need for alterations. Our groundbreaking drain pan design delivers flexibility in an industry-leading vertical installation.



Product information



Horizontal

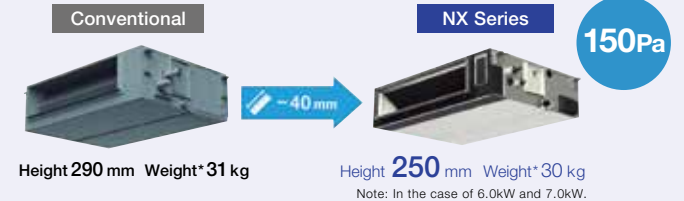
Vertical

Compact Body with Powerful 150 Pa ESP

The indoor units have also been completely renewed, offering a 40 mm height reduction to only 250 mm* and a weight reduction of up to 10%, all while maintaining the same powerful 150 Pa.

* Compared to conventional model.

Space saving 250 mm height



Height 290 mm Weight* 31 kg

Height 250 mm Weight* 30 kg

Note: In the case of 6.0kW and 7.0kW.

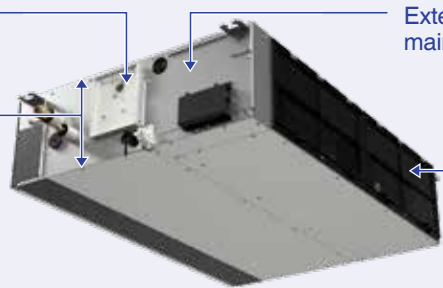
Technical Focus

Built-in Drain pump (DC motor pump)

External electrical equipment box makes maintenance easy

Space saving height of 250mm for all models

250mm standardised height provides easy and uniform installation for models with different capacities, especially when ceiling heights are restricted.



Built-in filter

Superior air quality nanoe[™] X

The ducted models are equipped with nanoe[™] X as standard, a unique air quality improvement technology producing twice the amount of hydroxyl radicals compared to previous generations. Combined with the strong static pressure this ensures pristine nanoe[™] X air travels unaffected even through multiple duct shapes at lengths of 10m, as well as making them ideal for use in larger spaces.

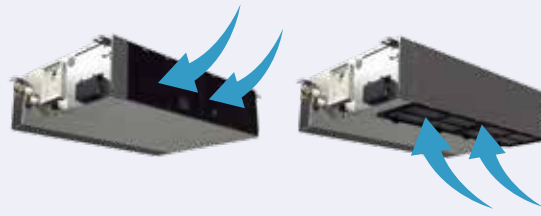
Note: PF3 and PE3 (16.0kW and below) ranges only.



Bend once Bend twice Bend three times
Based on in-house test result, even with a total ductwork length up to 10m, effectiveness of nanoe[™] X is maintained.

Selectable air inlet position

A removable panel allows air inlet position to be adjusted to enable rear or bottom entry, depending on ductwork installation.



DELUXE / STANDARD

CEILING EXPOSED

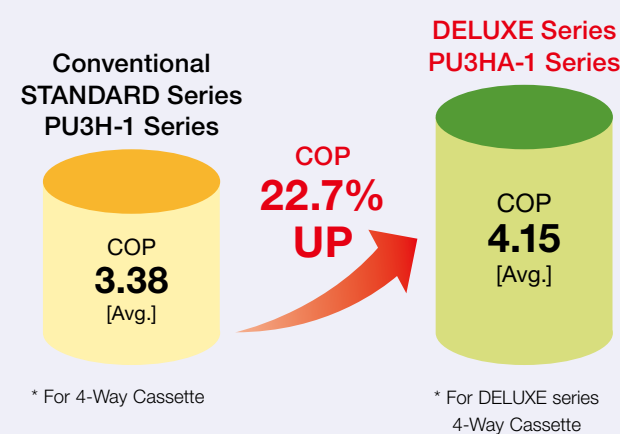
</

High Energy Efficiency

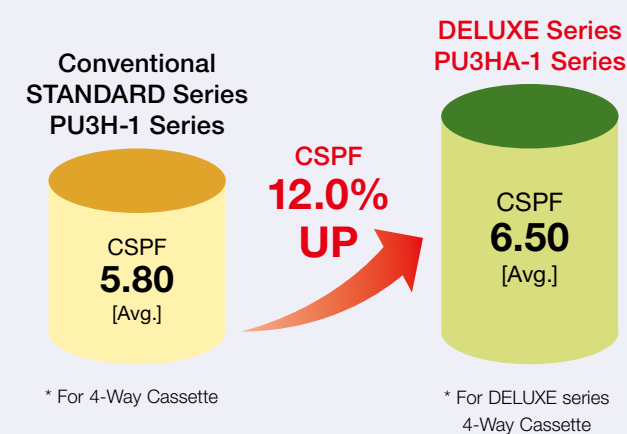
Save Power Consumption

NX series has 2 Lineup DLX & STD series, choose STD and DLX series depend on the project requirements. For DLX series, the Coefficient of Performance has been especially improved to reduce power consumption.

COP Comparison

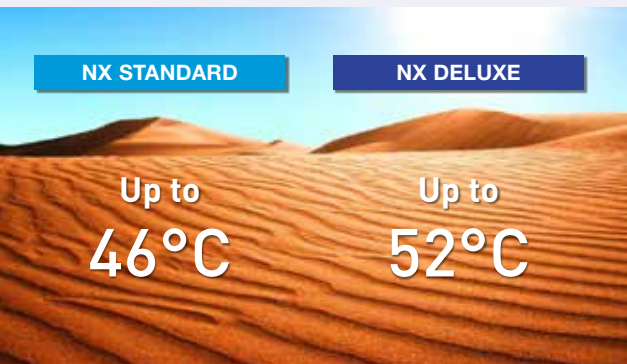


CSPF Comparison

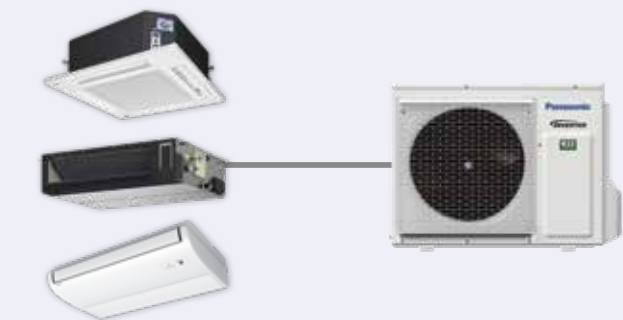


Operation Temperature

The operating range of the NX series expanded up to outdoor air temperature of 52°C. Even in an extremely hot environment like Asian countries, they operate powerfully with its toughness.

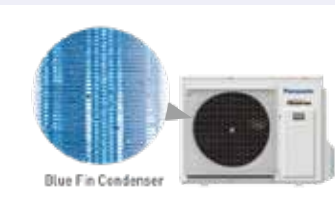


Long Piping Length



| Differences | DELUXE series | STANDARD series |
|---------------|---------------------|---|
| Piping length | 5-50m for all range | 24,200 Btu/h or less: 5-30m 29,000 Btu/h and above : 5-50m |

Advantages for Outdoor Unit



High Durability Outdoor Unit

All Panasonic heat exchangers feature our Blue Fin technology, which offers enhanced corrosion resistance compared to non-Blue Fin models.

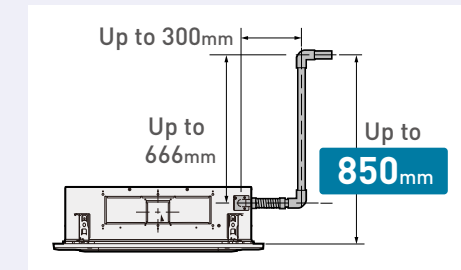


In-house manufactured compressor

Panasonic all in-house manufactured compressors are supplied to the world. The cumulative total of high-quality compressors in use has reached 580 million units*.

* As of September 2019. (In-house research)

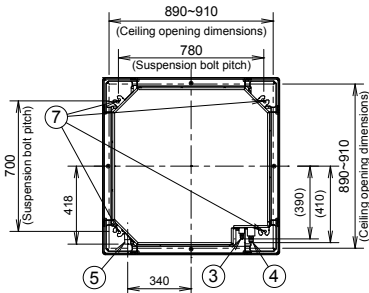
Installation Instruction



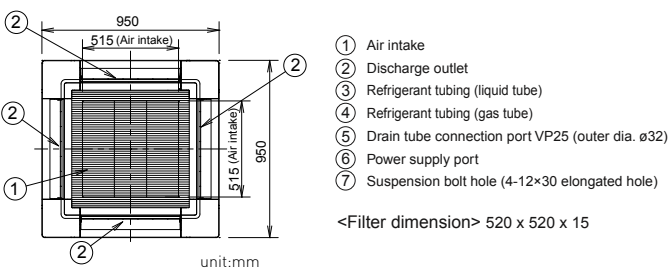
A strong and quiet drain pump

The drain pump can pump water up to a height of 850 mm, making drain pipe layout easy. Supports for 4-way Cassette

4-WAY CASSETTE Dimensions



- A S-1821PU3HA-1/S-1821PU3H-1/S-2430PU3HA-1/S-2430PU3H-1
B S-3448PU3HA-1/S-3448PU3H-1



- ① Air intake
② Discharge outlet
③ Refrigerant tubing (liquid tube)
④ Refrigerant tubing (gas tube)
⑤ Drain tube connection port VP25 (outer dia. ø32)
⑥ Power supply port
⑦ Suspension bolt hole (4-12×30 elongated hole)

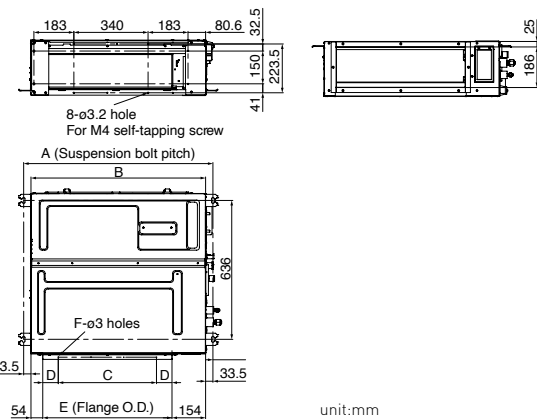
<Filter dimension> 520 x 520 x 15

ADAPTIVE DUCTED Dimensions

S-1821PF3H/S-2430PF3H/S-3448PF3H

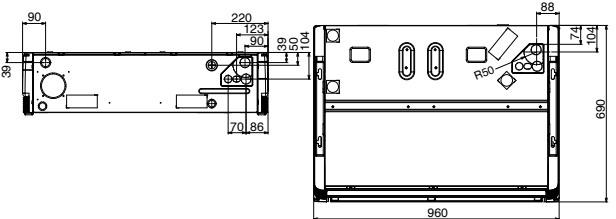
Detailed dimensions of indoor unit

| Type | A | B | C | D | E | F |
|------|-------|-------|-----------------------|----|-------|------|
| | mm | mm | mm | mm | mm | Q'ty |
| 1821 | 867 | 800 | 450 (Pitch 150 x 3) | 71 | 592 | 12 |
| 2430 | 1,067 | 1,000 | 750 (Pitch 150 x 5) | 21 | 792 | 16 |
| 3448 | 1,467 | 1,400 | 1,050 (Pitch 150 x 7) | 71 | 1,192 | 20 |

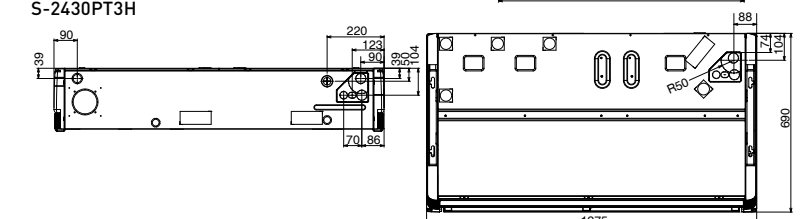


CEILING EXPOSED Dimensions

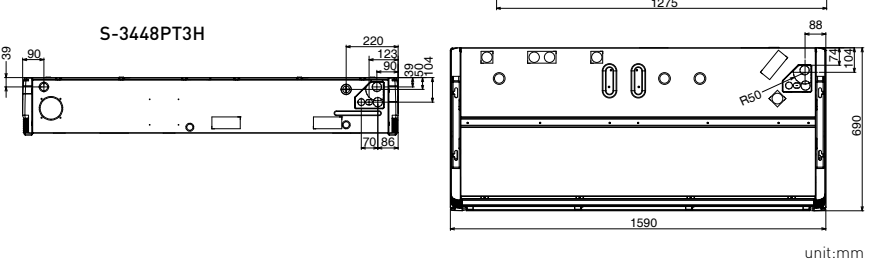
S-1821PT3H



S-2430PT3H

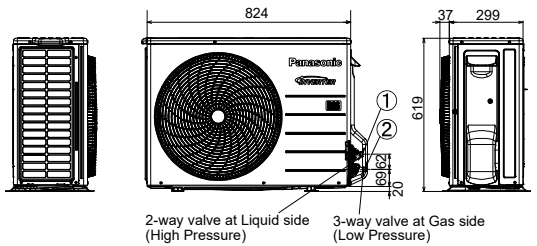


S-3448PT3H



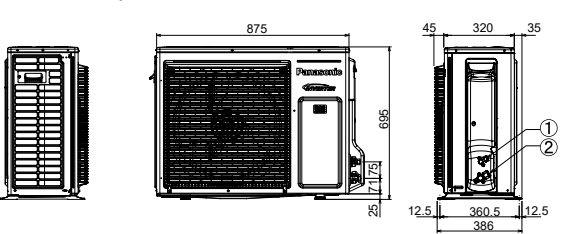
OUTDOOR UNITS Dimensions

U-18PR1H5-1/ U-21PR1H5-1/ U-24PR1H5-1



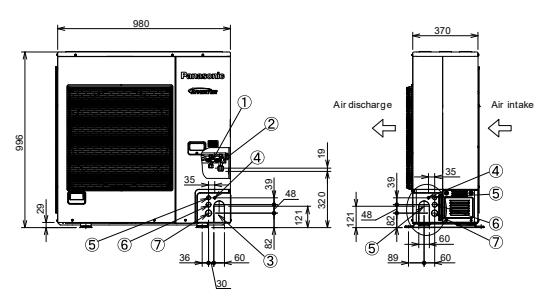
- ① Refrigerant tubing (liquid tube), flared connection (φ6.35"/9.52")
② Refrigerant tubing (gas tube), flared connection (φ12.70"/15.88")
- *1 For U-18/21PR
*2 For U-24PR
*Mounting hole (4-R6.5), anchor bolt : M10

U-18PRH1H5-1/U-21PRH1H5-1/U-24PRH1H5-1/
U-30PR1H5-1/U-34PR1H5-1



- ① Refrigerant tubing (liquid tube), flared connection (6.35"/9.52")
② Refrigerant tubing (gas tube), flared connection (φ12.70"/15.88")
- *3 For U-18/21PRH and U-30/34PR
*4 For U-24PRH
*Mounting hole (4-R6.5), anchor bolt : M10

U-34PRH1H5-1/U-43PRH1H5-1/U-43PR1H5-1/U-43PRH1H8-1/U-43PR1H8-1
U-48PRH1H5-1/ U-48PR1H5-1/U-48PRH1H8-1/U-48PR1H8-1



- ① Refrigerant tubing (liquid tube), flared connection (Ø9.52)
② Refrigerant tubing (gas tube), flared connection (Ø15.88)
③ Refrigerant tubing port
④ Electrical wiring port (Ø13)
⑤ Electrical wiring port (Ø22)
⑥ Electrical wiring port (Ø27)
⑦ Electrical wiring port (Ø35)

*Mounting hole (4-R6.5), anchor bolt : M10

unit:mm