Panasonic

- 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 January 2024.
- 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


**Branch of Panasonic Asia Pacific Pte. Ltd.**

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Khan 7 Makara, Phnom Penh, Cambodia

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AC-CMDA-C-23

Panasonic

Scan here to learn more

**Residential Air Conditioners**

# RESIDENTIAL AIR CONDITIONERS 2024/2025

X-PREMIUM INVERTER

PREMIUM INVERTER

nanoeX Generator Mark3 | INSIDE CLEANING ON DEMAND | Panasonic Comfort Cloud App | BUILT-IN EASY CONNECT | HUMIDITY SENSOR + DRY MODE | HUMIDITY SENSOR + AUTO X INTELLIGENT. DYNAMIC. COOL.

## QUALITY AIR FOR LIFE

## PRODUCT LINE-UP

| | | |
|---|---|---|
| XU<br>X-PREMIUM INVERTER | NEW<br>1.0HP - 2.5HP | nanoeX Generator Mark3 · INSIDE CLEANING ON DEMAND · BUILT-IN EASY CONNECT · Panasonic Comfort Cloud App<br>HUMIDITY SENSOR + DRY MODE · HUMIDITY SENSOR + AUTO-X (INTELLIGENT · DYNAMIC · COOL)<br>nanoe-G · AEROWINGS · AI ECO |
| U<br>PREMIUM INVERTER | NEW<br>1.0HP - 3.0HP | nanoeX Generator Mark2 · INSIDE CLEANING ON DEMAND · Panasonic Comfort Cloud App (Optional Network Adaptor)<br>HUMIDITY SENSOR + DRY MODE · HUMIDITY SENSOR + AUTO-X (INTELLIGENT · DYNAMIC · COOL)<br>nanoe-G · AEROWINGS · AI ECO |
| RU<br>DELUXE INVERTER | NEW<br>1.0HP - 2.5HP | nanoeX Generator Mark2 · INSIDE CLEANING ON DEMAND · Panasonic Comfort Cloud App (Optional Network Adaptor)<br>AEROWINGS (CS-RU24AKH) · BIG FLAP (CS-RU9/12/18AKH)<br>POWERFUL · AI ECO |
| PU<br>STANDARD INVERTER | NEW<br>1.0HP - 2.5HP | Panasonic Comfort Cloud App (Optional Network Adaptor) · AEROWINGS (CS-PU24AKH) · BIG FLAP (CS-PU9/12/18AKH)<br>POWERFUL · AI ECO |
| QU<br>STANDARD INVERTER | NEW<br>1.0HP - 2.5HP | Panasonic Comfort Cloud App (Optional Network Adaptor) · AEROWINGS (CS-QU24AKH) · BIG FLAP (CS-QU9/12/18AKH)<br>POWERFUL · AI ECO |
| PN<br>STANDARD NON-INVERTER | <br>1.0HP - 3.0HP | AEROWINGS (CS-PN18/24AKH / CS-PN30XKH) · BIG FLAP (CS-PN9/12AKH)<br>POWERFUL |

## FEATURES EXPLANATION

### Cleaner Air

**nanoeX** — nanoe™ X effectively deodorises and inhibits various pollutants for a fresher and cleaner space.

**INSIDE CLEANING ON DEMAND** — Inside cleaning works inside of an indoor unit by removing moisture, and releases nanoe™ X to inhibit various pollutants.

**nanoe-G** — nanoe-G effectively removes up to 99% of PM2.5.

### Convenience

**Panasonic Comfort Cloud App** — Provides convenience to connect and control the air conditioner anywhere, anytime.

### Comfort

**HUMIDITY SENSOR + DRY MODE** — Air conditioner with Humidity Sensor and Dry Mode helps to remove excess moisture in the room while preventing overcooling.

**HUMIDITY SENSOR + AUTO-X** — Air conditioner with Humidity Sensor and iAUTO-X mode helps to provide an ideal sleep environment.

**POWERFUL** — POWERFUL Mode cools your room faster during start-up for instant cooling comfort.

**AEROWINGS** — Further, faster, and concentrated airflow with 2 independent flaps and motors.

**BIG FLAP** — Big bottom flap directs cool air across the room.

### Energy Efficiency

**INVERTER** — Varies the rotation speed of the compressor for higher energy saving.

**AI ECO** — Auto-adjusts the optimal ECO level based on the heat load conditions and air conditioning cooling capacity.





24-hour nanoeX Protection

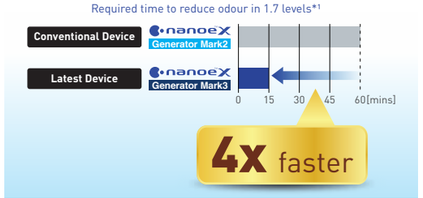
# nanoeX Clean 'n Care function

Scan to know more

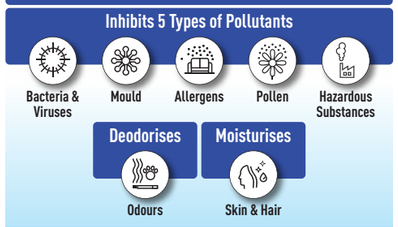
## High Efficiency of nanoe X Generator Mark 3

nanoe™ X technology with mark 3 generator contains 100 times more hydroxyl radicals compared to nanoe™. This helps to effectively inhibit pollutants and deodorise odours at a faster pace.

**4x Faster in Deodorisation vs nanoe X Generator Mark 2**




**7 Effects of nanoe™ X**



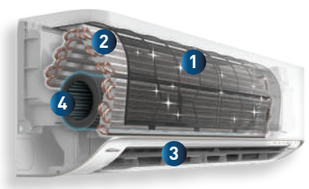

nanoe™ X effectively deodorise and inhibit pollutants **in air and on surfaces*2**

*1 nanoe X Generator Mark 2- •Testing organisation: Panasonic Product Analysis Center •Test subject: Adhered nonenal (Body odour) •Test volume: Approx. 23m³ laboratory •Test result: Odour intensity reduced by 1.7 levels in 60 minutes •Report No.: Y18HM059 (Difference in odour intensity from the blank is greater than 1.7 and the time until odour intensity is less than 2.6).
nanoe X Generator Mark 3- •Testing organisation: Panasonic Product Analysis Center •Test subject: Adhered nonenal (Body odour) •Test volume: Approx. 23m³ laboratory •Test result: Odour intensity reduced by 1.9 level in 15 minutes •Report No.: H21HM005-1

*2 •For more details on nanoe™ X test report, you can visit https://www.panasonic.com/kh/nanoe/all/verification/evidence.html

## Inside Cleaning On Demand

Newly improved inside cleaning on demand provides the convenience to activate this function on a need basis. Inside cleaning works inside of an indoor unit by removing moisture, and releases nanoe™ X to inhibit various pollutants. Improved cross flow fan with anti-dust coating prevents dust adherence.

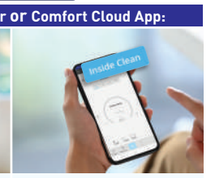



1. Filter
2. Evaporator
3. Air Outlet
4. Cross Flow Fan

INSIDE CLEANING ON DEMAND

**By Remote Controller or Comfort Cloud App:**

Turn off the AC and press the nanoe™ X button for more than 3 seconds to activate inside cleaning.

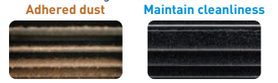



Turn off the AC and tap the 'Inside Clean' icon in Panasonic Comfort Cloud App to activate inside cleaning*3.

**Effectiveness of Inside Cleaning**

| | Proven nanoe™ X inhibition on | | |
|---|---|---|---|
| Filter, Evaporator, Air Outlet | Mould*4 | Bacteria*5 | Viruses*5 |

| | Without coating | Anti-Dust Cross Flow Fan |
|---|---|---|
| Cross Flow Fan | Adhered dust | Maintain cleanliness |



The amount of dust may change depending on the usage frequency and environment. Anti-dust cross flow fan is available for X-PREMIUM INVERTER only.

Notes: (1) Air filter routine maintenance is required to ensure optimal performance.
(2) Illustrations of app screens may differ from the actual screen appearance.
(3) Inside Cleaning On Demand function is applicable to X-PREMIUM INVERTER, PREMIUM INVERTER and DELUXE INVERTER.

*3 Turn on inside cleaning on demand features via Comfort Cloud App available in X-PREMIUM INVERTER only.

*4 •Test Organisation: Laboratory for mold prediction •Test Subject: Mould (Aspergillus penicillioides K-712) •Test Result: Mould germination and growth from spores are inhibited inside the indoor unit under the inside cleaning operation •Test Report No: 220207 (nanoe™ effectiveness on mould inhibition is applicable to X-PREMIUM INVERTER only.)

*5 •Testing Organisation: Protectea,Ltd •Test Subject: Bacteria (Escherichia coli NBRC3301) and Virus (Escherichia coli NBRC320012) •Test Result: 99% inhibited (compared to non-operation) •Test Report No: PR190803 (Filter & Evaporator); PR191102 (Air Outlet)

# Connect & Control Your AC Anywhere, Anytime with Comfort Cloud App

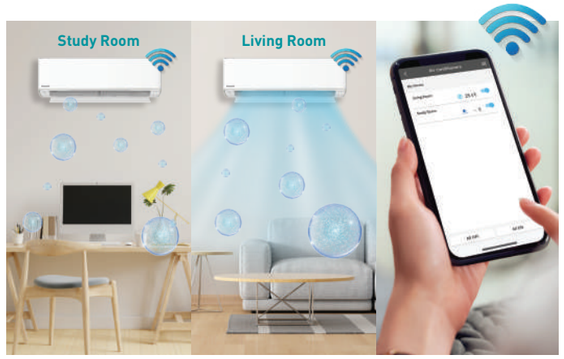
Control multiple air conditioners in one location or multiple locations when you are away from home.

Comfort Cloud App

Download on the App Store

GET IT ON Google Play

Scan to know more




## Benefits of Panasonic Comfort Cloud App

The application offers one-stop control for all your air conditioners to suit your needs and preferences.

### Track Energy Consumption Anytime

Monitor your air conditioner's energy consumption by year, month and day, as well as electricity costs.

### Purify Your Home with nanoe™ X

Switch on nanoe™ X mode with cooling OFF/ON to enjoy a clean and fresh home with your loved ones.

### nanoe™ X Simulation

See the nanoe™ X coverage in your space through a simulation.

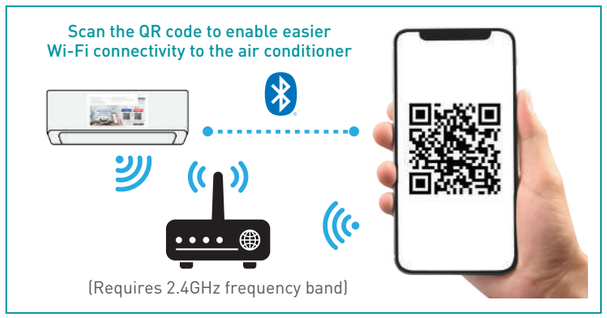
- Pre-Cool Your Space
- Weekly Timer
- Error Notifications
- Multi-Unit Control

## Secured & Easier Setup with Advanced Scan Connectivity**

The advanced built-in Wi-Fi setup enables easier and faster connection to Panasonic Comfort Cloud App by scanning the QR code.

BUILT-IN EASY CONNECT

**Complied with internal cybersecurity guidelines based on cybersecurity trends and the regulations of each country. The advanced built-in Wi-Fi setup applicable to X-PREMIUM INVERTER only.




Note: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Panasonic is under license. Other trademarks and trade names are those of their respective owners.



## Remove Dust Particles (PM2.5)

Effective in removing 99%*1 of dust particles, nanoe-G releases negative ions to capture dust particles sized as small as PM2.5, carrying them back to the filter to provide a clean and pristine living space.

nanoe-G

*1 •Testing Organisation: FCG Research Institute, Inc. •Test Subject: Cigarette smoke (as PM2.5) •Test Volume: 23m³ •Test Result: Removed by 99% (compared to the initial concentration) •Test Report No: 25034





# Better Living with Energy-Saving and Eco-Friendly Technologies

Enjoy intelligent cooling with eco-friendly features for better savings and reduce energy consumption.

## Environmental Friendly Refrigerant

Panasonic air conditioners are equipped with the environmentally friendly R32 refrigerant which efficiently carries heat, leading to greater energy and cost-effectiveness with lower environmental impact.

R32 REFRIGERANT

HIGHER COOLING CAPACITY

REDUCE ENERGY COST

ECO FRIENDLY

## Powerful Performance with Efficiency

Panasonic's Inverter air conditioners integrate DC motor to offer better performance in terms of energy efficiency, quiet operation and wide output range. Inverter technology minimises temperature fluctuation to save energy without compromising comfort.

INVERTER

Scan to know more

### Save on Your Electricity Bill

Varying the speed of the compressor according to the temperature changes with the aim of minimising the temperature fluctuations so you can enjoy save energy while cooling comfort.

### Quiet Operation

Smooth operation and lower noise as low as 19dB(A)*.

### Wide Output Range

Balance comfort level depending on the number of occupants in a room.

* 19dB(A) applicable to X-PREMIUM INVERTER (1.0HP- 1.5HP) and PREMIUM INVERTER (1.0HP- 1.5HP).

## Intelligently Balances Energy Savings and Comfort

Every room in the house has a different temperature and it varies throughout the day. ECO mode with A.I. learns and judges the optimal ECO level to provide a good balance between cooling comfort and energy savings.

AI ECO

Scan to know more

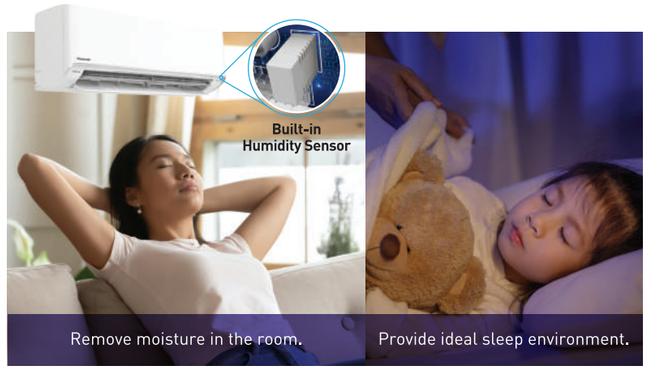
*1 Comparison of ECO Mode & normal mode by using 1.5HP INVERTER model.

# Humidity Control for Better Comfort

Air conditioner with Humidity Sensor allows you to control and adjust the relative humidity level to below 55% ~ 60% by turning on Dry Mode or iAUTO-X.

HUMIDITY SENSOR + DRY MODE

HUMIDITY SENSOR + iAUTO-X INTELLIGENT . DYNAMIC . COOL.




## Humidity Control with Humidity Sensor + Dry Mode

Dry Mode operates together with built-in Humidity Sensor, helping the air conditioner to receive accurate room humidity situation data to efficiently reduce and adjust the humidity level to below 55%, removing excess moisture in the room while preventing overcooling.

HUMIDITY SENSOR + DRY MODE

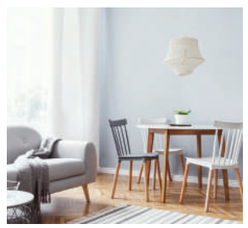
**Benefits of Panasonic Air Conditioner with Humidity Sensor + Dry Mode**

### When Do You Need It?

- High humidity but room temperature isn't hot
- Raining weather where there is damp smell in the room
- Living in an area with high humidity

**Comfort without Overcooling**
Constantly monitors and adjusts relative humidity to below 55%, and temperature to avoid overcooling.

**Reduces Dampness**
Air stays fresh with no damp smell in the room.

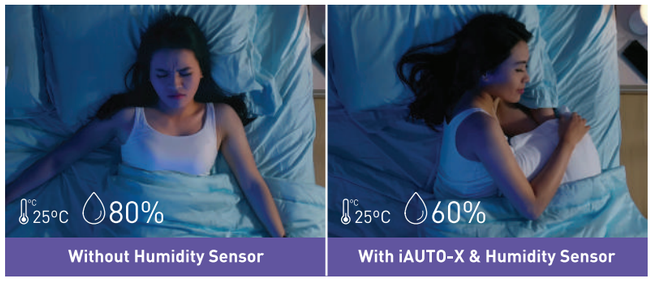


**Protects Household**
Prevents growth of mould by removing excess moisture from the air.

## Humidity Control with Humidity Sensor + iAUTO-X

Air conditioner with iAUTO-X and Humidity Sensor constantly monitors and adjusts relative humidity level to below 60% to ensure a balanced cooling sensation by reducing heat for an optimal cooling comfort.

HUMIDITY SENSOR + iAUTO-X INTELLIGENT . DYNAMIC . COOL.

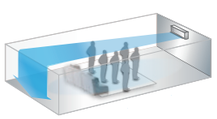



Air conditioner with iAUTO-X and Humidity Sensor controls relative humidity to below 60% for a restful sleep through the night.

**Built-in Humidity Sensor is available for X-PREMIUM INVERTER and PERMIUM INVERTER model.



# Comfort Cooling with AEROWINGS and Big Flap



Stronger and longer airflow up to 15 meters.
AEROWINGS

Directs cool air across the room.
BIG FLAP

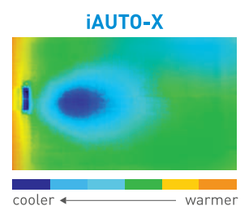
# Faster Cooling with iAUTO-X and POWERFUL Mode

## iAUTO-X Operation

iAUTO-X provides stronger and faster cooling using Panasonic Thermal Enhancement Technology (P-TECh), enabling the compressor to achieve maximum frequency quickly from start-up.

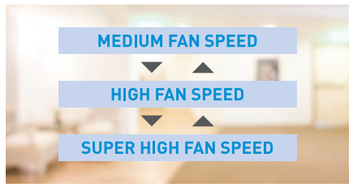
iAUTO-X INTELLIGENT . DYNAMIC . COOL.

Scan to know more




Concentrated airflow cools instantly. Room is evenly cooled.

## Uniqueness of iAUTO-X




**Automatic Fan Speed**
iAUTO-X automatically switches fan speed depending on the temperature difference between the room and the set temperature.

**Automatic Flap Control**
After reaching the set temperature, the flap moves upwards automatically to perform shower cooling.

**Reactivate iAUTO-X**
Second press on the iAUTO-X button reactivates faster cooling, even if the number of people in the room increases.

*Comparison of iAUTO-X Mode & normal COOL mode by using 1.5HP X-PREMIUM INVERTER model.
**Applicable to X-PREMIUM INVERTER and PREMIUM INVERTER model.

## POWERFUL Cooling

POWERFUL Mode cools your room faster by 18%* during start-up to bring you cooling comfort instantly on a hot day.

POWERFUL

Scan to know more

*Comparison of POWERFUL Cool Mode & normal cool mode by using 1.5HP Inverter Model. 18% faster cooling is applicable to DELUXE INVERTER and STANDARD INVERTER model.

## X-PREMIUM INVERTER Single-Split Type

CS-XU10AKH | CS-XU13AKH

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

BUILT-IN EASY CONNECT

CS-XU18AKH | CS-XU24AKH

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

BUILT-IN EASY CONNECT

nanoeX Generator Mark3 | INSIDE CLEANING ON DEMAND | Panasonic Comfort Cloud App | HUMIDITY SENSOR + DRY MODE | HUMIDITY SENSOR + AUTO X INTELLIGENT · DYNAMIC · COOL | nanoe-G | AEROWINGS | AI ECO INVERTER

| MODEL | INDOOR UNIT (50Hz) | | CS-XU10AKH | CS-XU13AKH | CS-XU18AKH | CS-XU24AKH |
|---|---|---|---|---|---|---|
| | OUTDOOR UNIT | | CU-XU10AKH | CU-XU13AKH | CU-XU18AKH | CU-XU24AKH |
| Cooling Capacity | (min-max) | kW | 2.85 (0.92-3.40) | 3.67 (1.02-4.20) | 5.30 (1.10-6.21) | 6.60 (1.12-7.18) |
| | (min-max) | Btu/h | 9,720 (3,140-11,600) | 12,500 (3,480-14,300) | 18,100 (3,750-21,200) | 22,500 (3,820-24,500) |
| EER | (min-max) | Btu/hW | 13.32 (13.96-11.26) | 12.50 (13.38-11.92) | 13.71 (13.89-12.47) | 12.23 (15.28-11.95) |
| | (min-max) | W/W | 3.90 (4.09-3.30) | 3.67 (3.92-3.50) | 4.02 (4.07-3.65) | 3.59 (4.48-3.50) |
| Electrical Data | Voltage | V | 220-240 | 220-240 | 220-240 | 220-240 |
| | Current | A | 3.6-3.3 | 4.6-4.3 | 6.2-5.7 | 8.5-7.9 |
| | Power Input (min-max) | W | 730 (225-1,030) | 1,000 (260-1,200) | 1,320 (270-1,700) | 1,840 (250-2,050) |
| Moisture Removal | | L/h (Pt/h) | 1.7 (3.6) | 2.1 (4.4) | 2.9 (6.1) | 3.7 (7.8) |
| Air Circulation | Indoor | $m^3$/min ($ft^3$/min) | 11.1 (390) | 12.0 (425) | 18.7 (660) | 19.2 (680) |
| | Outdoor | $m^3$/min ($ft^3$/min) | 27.6 (970) | 30.9 (1,090) | 34.9 (1,230) | 34.9 (1,230) |
| Noise Level | Indoor (H / L / Q-Lo) | dB (A) | 36/26/19 | 38/28/19 | 44/32/27 | 45/34/28 |
| | Outdoor (H) | dB (A) | 47 | 48 | 50 | 51 |
| Unit Dimension-Installed Condition Indoor (Outdoor) | Height | mm | 295 (511) | 295 (542) | 295 (619) | 295 (619) |
| | | inch | 11-5/8 (20-1/8) | 11-5/8 (21-11/32) | 11-5/8 (24-3/8) | 11-5/8 (24-3/8) |
| | Width | mm | 870 (650) | 870 (780) | 1,040 (824) | 1,040 (824) |
| | | inch | 34-9/32 (25-19/32) | 34-9/32 (30-23/32) | 40-31/32 (32-15/32) | 40-31/32 (32-15/32) |
| | Depth | mm | 229 (230) | 229 (289) | 244 (299) | 244 (299) |
| | | inch | 9-1/32 (9-1/16) | 9-1/32 (11-13/32) | 9-5/8 (11-25/32) | 9-5/8 (11-25/32) |
| Packaging Dimension-Stacking Condition Indoor (Outdoor) | Height | mm | 283 (582) | 283 (607) | 314 (684) | 314 (684) |
| | | inch | 11-5/32 (22-15/16) | 11-5/32 (23-29/32) | 12-3/8 (26-15/16) | 12-3/8 (26-15/16) |
| | Width | mm | 952 (793) | 952 (900) | 1,148 (967) | 1,148 (967) |
| | | inch | 37-1/2 (31-1/4) | 37-1/2 (35-7/16) | 45-7/32 (38-3/32) | 45-7/32 (38-3/32) |
| | Depth | mm | 374 (356) | 374 (405) | 383 (425) | 383 (425) |
| | | inch | 14-3/4 (14-1/32) | 14-3/4 (15-31/32) | 15-3/32 (16-3/4) | 15-3/32 (16-3/4) |
| Net Weight | Indoor | kg (lb) | 10 (22) | 10 (22) | 12 (26) | 12 (26) |
| | Outdoor | kg (lb) | 18 (40) | 21 (46) | 30 (66) | 31 (68) |
| Refrigerant Pipe Diameter | Liquid Side | mm (inch) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) |
| | Gas Side | mm (inch) | ø 9.52 (3/8) | ø 9.52 (3/8) | ø 12.70 (1/2) | ø 12.70 (1/2) |
| Pipe Extension | Chargeless Pipe Length | m | 7.5 | 7.5 | 10.0 | 10.0 |
| | Maximum Pipe Length | m | 20 | 20 | 30 | 30 |
| | Maximum Elevation Length | m | 15 | 15 | 20 | 20 |
| | Additional Refrigerant Gas* | g/m | 10 | 10 | 15 | 15 |
| Power Supply | | | Indoor | Indoor | Indoor | Indoor |

*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

## OUTDOOR UNIT

BLUE FIN CONDENSER

R32 REFRIGERANT

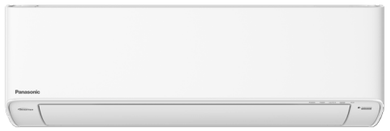
CU-XU10AKH

CU-XU13AKH

CU-XU18AKH
CU-XU24AKH



## Single-Split Type PREMIUM INVERTER



CS-U10AKH | CS-U13AKH

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

Network Adaptor
CZ-TACG1
(Optional)

CS-U18AKH | CS-U24AKH | CS-U28AKH

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

Network Adaptor
CZ-TACG1
(Optional)

nanoeX Generator Mark2 | INSIDE CLEANING ON DEMAND | Panasonic Comfort Cloud App (Optional Network Adaptor) | HUMIDITY SENSOR + DRY MODE | HUMIDITY SENSOR + AUTO X INTELLIGENT · DYNAMIC · COOL | nanoe-G | AEROWINGS | AI ECO INVERTER

| MODEL | INDOOR UNIT (50Hz) | | CS-U10AKH | CS-U13AKH | CS-U18AKH | CS-U24AKH | CS-U28AKH |
|---|---|---|---|---|---|---|---|
| | OUTDOOR UNIT | | CU-U10AKH | CU-U13AKH | CU-U18AKH | CU-U24AKH | CU-U28AKH |
| Cooling Capacity | (min-max) | kW | 2.85 (0.92-3.40) | 3.67 (1.02-4.20) | 5.30 (1.10-6.21) | 6.60 (1.12-7.18) | 7.10 (1.25-8.50) |
| | (min-max) | Btu/h | 9,720 (3,140-11,600) | 12,500 (3,480-14,300) | 18,100 (3,750-21,200) | 22,500 (3,820-24,500) | 24,200 (4,260-29,000) |
| EER | (min-max) | Btu/hW | 13.32 (13.96-11.26) | 12.50 (13.38-11.92) | 13.71 (13.89-12.47) | 12.23 (15.28-11.95) | 12.10 (12.17-10.74) |
| | (min-max) | W/W | 3.90 (4.09-3.30) | 3.67 (3.92-3.50) | 4.02 (4.07-3.65) | 3.59 (4.48-3.50) | 3.55 (3.57-3.15) |
| Electrical Data | Voltage | V | 220-240 | 220-240 | 220-240 | 220-240 | 220-240 |
| | Current | A | 3.6-3.3 | 4.6-4.3 | 6.2-5.7 | 8.5-7.9 | 9.3-8.5 |
| | Power Input (min-max) | W | 730 (225-1,030) | 1,000 (260-1,200) | 1,320 (270-1,700) | 1,840 (250-2,050) | 2,000 (350-2,700) |
| Moisture Removal | | L/h (Pt/h) | 1.7 (3.6) | 2.1 (4.4) | 2.9 (6.1) | 3.7 (7.8) | 4.1 (8.7) |
| Air Circulation | Indoor | $m^3$/min ($ft^3$/min) | 11.1 (390) | 12.0 (425) | 18.7 (660) | 19.2 (680) | 20.8 (735) |
| | Outdoor | $m^3$/min ($ft^3$/min) | 27.6 (970) | 30.9 (1,090) | 34.9 (1,230) | 34.9 (1,230) | 45.9 (1,620) |
| Noise Level | Indoor (H / L / Q-Lo) | dB (A) | 36/26/19 | 38/28/19 | 44/32/27 | 45/34/28 | 47/37/34 |
| | Outdoor (H) | dB (A) | 47 | 48 | 50 | 51 | 53 |
| Unit Dimension-Installed Condition Indoor (Outdoor) | Height | mm | 295 (511) | 295 (542) | 295 (619) | 295 (619) | 295 (695) |
| | | inch | 11-5/8 (20-1/8) | 11-5/8 (21-11/32) | 11-5/8 (24-3/8) | 11-5/8 (24-3/8) | 11-5/8 (27-3/8) |
| | Width | mm | 870 (650) | 870 (780) | 1,040 (824) | 1,040 (824) | 1,040 (875) |
| | | inch | 34-9/32 (25-19/32) | 34-9/32 (30-23/32) | 40-31/32 (32-15/32) | 40-31/32 (32-15/32) | 40-31/32 (34-15/32) |
| | Depth | mm | 229 (230) | 229 (289) | 244 (299) | 244 (299) | 244 (320) |
| | | inch | 9-1/32 (9-1/16) | 9-1/32 (11-13/32) | 9-5/8 (11-25/32) | 9-5/8 (11-25/32) | 9-5/8 (12-5/8) |
| Packaging Dimension-Stacking Condition Indoor (Outdoor) | Height | mm | 283 (582) | 283 (607) | 314 (684) | 314 (684) | 314 (761) |
| | | inch | 11-5/32 (22-15/16) | 11-5/32 (23-29/32) | 12-3/8 (26-15/16) | 12-3/8 (26-15/16) | 12-3/8 (29-31/32) |
| | Width | mm | 952 (793) | 952 (900) | 1,148 (967) | 1,148 (967) | 1,148 (1,049) |
| | | inch | 37-1/2 (31-1/4) | 37-1/2 (35-7/16) | 45-7/32 (38-3/32) | 45-7/32 (38-3/32) | 45-7/32 (41-5/16) |
| | Depth | mm | 374 (356) | 374 (405) | 383 (425) | 383 (425) | 383 (460) |
| | | inch | 14-3/4 (14-1/32) | 14-3/4 (15-31/32) | 15-3/32 (16-3/4) | 15-3/32 (16-3/4) | 15-3/32 (18-1/8) |
| Net Weight | Indoor | kg (lb) | 10 (22) | 10 (22) | 12 (26) | 12 (26) | 14 (31) |
| | Outdoor | kg (lb) | 18 (40) | 21 (46) | 30 (66) | 31 (68) | 43 (95) |
| Refrigerant Pipe Diameter | Liquid Side | mm (inch) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) |
| | Gas Side | mm (inch) | ø 9.52 (3/8) | ø 9.52 (3/8) | ø 12.70 (1/2) | ø 12.70 (1/2) | ø 15.88 (5/8) |
| Pipe Extension | Chargeless Pipe Length | m | 7.5 | 7.5 | 10.0 | 10.0 | 10.0 |
| | Maximum Pipe Length | m | 20 | 20 | 30 | 30 | 30 |
| | Maximum Elevation Length | m | 15 | 15 | 20 | 20 | 20 |
| | Additional Refrigerant Gas* | g/m | 10 | 10 | 15 | 15 | 25 |
| Power Supply | | | Indoor | Indoor | Indoor | Indoor | Outdoor |

*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

## OUTDOOR UNIT

BLUE FIN CONDENSER

R32 REFRIGERANT

CU-U10AKH

CU-U13AKH

CU-U18AKH
CU-U24AKH

CU-U28AKH

## DELUXE INVERTER Single-Split Type

**CS-RU9AKH | CS-RU12AKH | CS-RU18AKH**

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

Network Adaptor
CZ-TACG1
(Optional)

**CS-RU24AKH**

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

Network Adaptor
CZ-TACG1
(Optional)

nanoeX Generator Mark2 | INSIDE CLEANING ON DEMAND | Panasonic Comfort Cloud App (Optional Network Adaptor) | AEROWINGS (CS-RU24AKH) | BIG FLAP (CS-RU9/12/18AKH) | POWERFUL | AI ECO INVERTER

| MODEL | INDOOR UNIT (50Hz) | | CS-RU9AKH | CS-RU12AKH | CS-RU18AKH | CS-RU24AKH |
|---|---|---|---|---|---|---|
| | OUTDOOR UNIT | | CU-RU9AKH | CU-RU12AKH | CU-RU18AKH | CU-RU24AKH |
| Cooling Capacity | (min-max) | kW | 2.65 (0.90-3.40) | 3.52 (1.02-4.10) | 5.20 (1.10-5.60) | 6.25 (1.12-7.18) |
| | (min-max) | Btu/h | 9,040 (3,070-11,600) | 12,000 (3,480-14,000) | 17,700 (3,750-19,100) | 21,300 (3,820-24,500) |
| EER | (min-max) | Btu/hW | 12.05 (13.64-11.26) | 11.65 (12.65-11.11) | 10.35 (12.93-10.32) | 11.83 (15.28-11.78) |
| | (min-max) | W/W | 3.53 (4.00-3.30) | 3.42 (3.71-3.25) | 3.04 (3.79-3.03) | 3.47 (4.48-3.45) |
| Electrical Data | Voltage | V | 220-240 | 220-240 | 220-240 | 220-240 |
| | Current | A | 3.7-3.4 | 4.8-4.4 | 7.9-7.3 | 8.3-7.6 |
| | Power Input (min-max) | W | 750 (225-1,030) | 1,030 (275-1,260) | 1,710 (290-1,850) | 1,800 (250-2,080) |
| Moisture Removal | | L/h (Pt/h) | 1.6 (3.4) | 2.0 (4.2) | 2.9 (6.1) | 3.5 (7.4) |
| Air Circulation | Indoor | $m^3$/min ($ft^3$/min) | 10.3 (365) | 11.0 (390) | 12.6 (445) | 19.9 (700) |
| | Outdoor | $m^3$/min ($ft^3$/min) | 26.7 (940) | 30.6 (1,080) | 39.3 (1,390) | 34.9 (1,230) |
| Noise Level | Indoor (H / L / Q-Lo) | dB (A) | 36/26/21 | 38/28/21 | 44/34/28 | 45/34/29 |
| | Outdoor (H) | dB (A) | 47 | 48 | 51 | 51 |
| Unit Dimension-Installed Condition Indoor (Outdoor) | Height | mm | 290 (511) | 290 (542) | 290 (619) | 295 (619) |
| | | inch | 11-7/16 (20-1/8) | 11-7/16 (21-11/32) | 11-7/16 (24-3/8) | 11-5/8 (24-3/8) |
| | Width | mm | 765 (650) | 765 (780) | 765 (824) | 1,060 (824) |
| | | inch | 30-1/8 (25-19/32) | 30-1/8 (30-23/32) | 30-1/8 (32-15/32) | 41-3/4 (32-15/32) |
| | Depth | mm | 214 (230) | 214 (289) | 214 (299) | 249 (299) |
| | | inch | 8-7/16 (9-1/16) | 8-7/16 (11-13/32) | 8-7/16 (11-25/32) | 9-13/16 (11-25/32) |
| Packaging Dimension-Stacking Condition Indoor (Outdoor) | Height | mm | 260 (582) | 260 (607) | 260 (684) | 314 (684) |
| | | inch | 10-1/4 (22-15/16) | 10-1/4 (23-29/32) | 10-1/4 (26-15/16) | 12-3/8 (26-15/16) |
| | Width | mm | 847 (793) | 847 (900) | 847 (967) | 1,168 (967) |
| | | inch | 33-3/8 (31-1/4) | 33-3/8 (35-7/16) | 33-3/8 (38-3/32) | 46 (38-3/32) |
| | Depth | mm | 364 (356) | 364 (405) | 364 (425) | 383 (425) |
| | | inch | 14-11/32 (14-1/32) | 14-11/32 (15-31/32) | 14-11/32 (16-3/4) | 15-3/32 (16-3/4) |
| Net Weight | Indoor | kg (lb) | 8 (18) | 8 (18) | 9 (20) | 12 (26) |
| | Outdoor | kg (lb) | 18 (40) | 22 (49) | 29 (64) | 32 (71) |
| Refrigerant Pipe Diameter | Liquid Side | mm (inch) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) |
| | Gas Side | mm (inch) | ø 9.52 (3/8) | ø 9.52 (3/8) | ø 12.70 (1/2) | ø 12.70 (1/2) |
| Pipe Extension | Chargeless Pipe Length | m | 7.5 | 7.5 | 10.0 | 10.0 |
| | Maximum Pipe Length | m | 20 | 20 | 30 | 30 |
| | Maximum Elevation Length | m | 15 | 15 | 20 | 20 |
| | Additional Refrigerant Gas* | g/m | 10 | 10 | 15 | 15 |
| Power Supply | | | Indoor | Indoor | Indoor | Indoor |

*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

## OUTDOOR UNIT

BLUE FIN CONDENSER

R32 REFRIGERANT

CU-RU9AKH

CU-RU12AKH

CU-RU18AKH
CU-RU24AKH



## Single-Split Type STANDARD INVERTER

**CS-PU9AKH | CS-PU12AKH | CS-PU18AKH**

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

Network Adaptor
CZ-TACG1
(Optional)

**CS-PU24AKH**

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

Network Adaptor
CZ-TACG1
(Optional)

Panasonic Comfort Cloud App (Optional Network Adaptor) | AEROWINGS (CS-PU24AKH) | BIG FLAP (CS-PU9/12/18AKH) | POWERFUL | AI ECO INVERTER

| MODEL | INDOOR UNIT (50Hz) | | CS-PU9AKH | CS-PU12AKH | CS-PU18AKH | CS-PU24AKH |
|---|---|---|---|---|---|---|
| | OUTDOOR UNIT | | CU-RU9AKH | CU-RU12AKH | CU-RU18AKH | CU-RU24AKH |
| Cooling Capacity | (min-max) | kW | 2.65 (0.90-3.40) | 3.52 (1.02-4.10) | 5.20 (1.10-5.60) | 6.25 (1.12-7.18) |
| | (min-max) | Btu/h | 9,040 (3,070-11,600) | 12,000 (3,480-14,000) | 17,700 (3,750-19,100) | 21,300 (3,820-24,500) |
| EER | (min-max) | Btu/hW | 12.05 (13.64-11.26) | 11.65 (12.65-11.11) | 10.35 (12.93-10.32) | 11.83 (15.28-11.78) |
| | (min-max) | W/W | 3.53 (4.00-3.30) | 3.42 (3.71-3.25) | 3.04 (3.79-3.03) | 3.47 (4.48-3.45) |
| Electrical Data | Voltage | V | 220-240 | 220-240 | 220-240 | 220-240 |
| | Current | A | 3.7-3.4 | 4.8-4.4 | 7.9-7.3 | 8.3-7.6 |
| | Power Input (min-max) | W | 750 (225-1,030) | 1,030 (275-1,260) | 1,710 (290-1,850) | 1,800 (250-2,080) |
| Moisture Removal | | L/h (Pt/h) | 1.6 (3.4) | 2.0 (4.2) | 2.9 (6.1) | 3.5 (7.4) |
| Air Circulation | Indoor | $m^3$/min ($ft^3$/min) | 10.3 (365) | 11.0 (390) | 12.6 (445) | 19.9 (700) |
| | Outdoor | $m^3$/min ($ft^3$/min) | 26.7 (940) | 30.6 (1,080) | 39.3 (1,390) | 34.9 (1,230) |
| Noise Level | Indoor (H / L / Q-Lo) | dB (A) | 36/26/21 | 38/28/21 | 44/34/28 | 45/34/29 |
| | Outdoor (H) | dB (A) | 47 | 48 | 51 | 51 |
| Unit Dimension-Installed Condition Indoor (Outdoor) | Height | mm | 290 (511) | 290 (542) | 290 (619) | 295 (619) |
| | | inch | 11-7/16 (20-1/8) | 11-7/16 (21-11/32) | 11-7/16 (24-3/8) | 11-5/8 (24-3/8) |
| | Width | mm | 765 (650) | 765 (780) | 765 (824) | 1,060 (824) |
| | | inch | 30-1/8 (25-19/32) | 30-1/8 (30-23/32) | 30-1/8 (32-15/32) | 41-3/4 (32-15/32) |
| | Depth | mm | 214 (230) | 214 (289) | 214 (299) | 249 (299) |
| | | inch | 8-7/16 (9-1/16) | 8-7/16 (11-13/32) | 8-7/16 (11-25/32) | 9-13/16 (11-25/32) |
| Packaging Dimension-Stacking Condition Indoor (Outdoor) | Height | mm | 260 (582) | 260 (607) | 260 (684) | 314 (684) |
| | | inch | 10-1/4 (22-15/16) | 10-1/4 (23-29/32) | 10-1/4 (26-15/16) | 12-3/8 (26-15/16) |
| | Width | mm | 847 (793) | 847 (900) | 847 (967) | 1,168 (967) |
| | | inch | 33-3/8 (31-1/4) | 33-3/8 (35-7/16) | 33-3/8 (38-3/32) | 46 (38-3/32) |
| | Depth | mm | 364 (356) | 364 (405) | 364 (425) | 383 (425) |
| | | inch | 14-11/32 (14-1/32) | 14-11/32 (15-31/32) | 14-11/32 (16-3/4) | 15-3/32 (16-3/4) |
| Net Weight | Indoor | kg (lb) | 8 (18) | 8 (18) | 9 (20) | 12 (26) |
| | Outdoor | kg (lb) | 18 (40) | 22 (49) | 29 (64) | 32 (71) |
| Refrigerant Pipe Diameter | Liquid Side | mm (inch) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) |
| | Gas Side | mm (inch) | ø 9.52 (3/8) | ø 9.52 (3/8) | ø 12.70 (1/2) | ø 12.70 (1/2) |
| Pipe Extension | Chargeless Pipe Length | m | 7.5 | 7.5 | 10.0 | 10.0 |
| | Maximum Pipe Length | m | 20 | 20 | 30 | 30 |
| | Maximum Elevation Length | m | 15 | 15 | 20 | 20 |
| | Additional Refrigerant Gas* | g/m | 10 | 10 | 15 | 15 |
| Power Supply | | | Indoor | Indoor | Indoor | Indoor |

*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

## OUTDOOR UNIT

BLUE FIN CONDENSER

R32 REFRIGERANT

CU-RU9AKH

CU-RU12AKH

CU-RU18AKH
CU-RU24AKH

## STANDARD INVERTER Single-Split Type

CS-QU9AKH | CS-QU12AKH | CS-QU18AKH

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

Network Adaptor
CZ-TACG1
(Optional)

CS-QU24AKH

Wireless
(Standard)

Wired
CZ-RD514C
(Optional)

Network Adaptor
CZ-TACG1
(Optional)

Comfort Cloud App
(Optional Network Adaptor)

AEROWINGS
(CS-QU24AKH)

BIG FLAP
(CS-QU9/12/18AKH)

POWERFUL

AI ECO INVERTER

| MODEL | INDOOR UNIT (50Hz) | | CS-QU9AKH | CS-QU12AKH | CS-QU18AKH | CS-QU24AKH |
|---|---|---|---|---|---|---|
| | OUTDOOR UNIT | | CU-RU9AKH | CU-RU12AKH | CU-RU18AKH | CU-RU24AKH |
| Cooling Capacity | (min-max) | kW | 2.65 (0.90-3.40) | 3.52 (1.02-4.10) | 5.20 (1.10-5.60) | 6.25 (1.12-7.18) |
| | (min-max) | Btu/h | 9,040 (3,070-11,600) | 12,000 (3,480-14,000) | 17,700 (3,750-19,100) | 21,300 (3,820-24,500) |
| EER | (min-max) | Btu/hW | 12.05 (13.64-11.26) | 11.65 (12.65-11.11) | 10.35 (12.93-10.32) | 11.83 (15.28-11.78) |
| | (min-max) | W/W | 3.53 (4.00-3.30) | 3.42 (3.71-3.25) | 3.04 (3.79-3.03) | 3.47 (4.48-3.45) |
| Electrical Data | Voltage | V | 220-240 | 220-240 | 220-240 | 220-240 |
| | Current | A | 3.7-3.4 | 4.8-4.4 | 7.9-7.3 | 8.3-7.6 |
| | Power Input (min-max) | W | 750 (225-1,030) | 1,030 (275-1,260) | 1,710 (290-1,850) | 1,800 (250-2,080) |
| Moisture Removal | | L/h (Pt/h) | 1.6 (3.4) | 2.0 (4.2) | 2.9 (6.1) | 3.5 (7.4) |
| Air Circulation | Indoor | $m^3$/min ($ft^3$/min) | 10.3 (365) | 11.0 (390) | 12.6 (445) | 19.9 (700) |
| | Outdoor | $m^3$/min ($ft^3$/min) | 26.7 (940) | 30.6 (1,080) | 39.3 (1,390) | 34.9 (1,230) |
| Noise Level | Indoor (H / L / Q-Lo) | dB (A) | 36/26/21 | 38/28/21 | 44/34/28 | 45/34/29 |
| | Outdoor (H) | dB (A) | 47 | 48 | 51 | 51 |
| Unit Dimension-Installed Condition Indoor (Outdoor) | Height | mm | 290 (511) | 290 (542) | 290 (619) | 295 (619) |
| | | inch | 11-7/16 (20-1/8) | 11-7/16 (21-11/32) | 11-7/16 (24-3/8) | 11-5/8 (24-3/8) |
| | Width | mm | 765 (650) | 765 (780) | 765 (824) | 1,060 (824) |
| | | inch | 30-1/8 (25-19/32) | 30-1/8 (30-23/32) | 30-1/8 (32-15/32) | 41-3/4 (32-15/32) |
| | Depth | mm | 214 (230) | 214 (289) | 214 (299) | 249 (299) |
| | | inch | 8-7/16 (9-1/16) | 8-7/16 (11-13/32) | 8-7/16 (11-25/32) | 9-13/16 (11-25/32) |
| Packaging Dimension-Stacking Condition Indoor (Outdoor) | Height | mm | 260 (582) | 260 (607) | 260 (684) | 314 (684) |
| | | inch | 10-1/4 (22-15/16) | 10-1/4 (23-29/32) | 10-1/4 (26-15/16) | 12-3/8 (26-15/16) |
| | Width | mm | 847 (793) | 847 (900) | 847 (967) | 1,168 (967) |
| | | inch | 33-3/8 (31-1/4) | 33-3/8 (35-7/16) | 33-3/8 (38-3/32) | 46 (38-3/32) |
| | Depth | mm | 364 (356) | 364 (405) | 364 (425) | 383 (425) |
| | | inch | 14-11/32 (14-1/32) | 14-11/32 (15-31/32) | 14-11/32 (16-3/4) | 15-3/32 (16-3/4) |
| Net Weight | Indoor | kg (lb) | 8 (18) | 8 (18) | 9 (20) | 12 (26) |
| | Outdoor | kg (lb) | 18 (40) | 22 (49) | 29 (64) | 32 (71) |
| Refrigerant Pipe Diameter | Liquid Side | mm (inch) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) |
| | Gas Side | mm (inch) | ø 9.52 (3/8) | ø 9.52 (3/8) | ø 12.70 (1/2) | ø 12.70 (1/2) |
| Pipe Extension | Chargeless Pipe Length | m | 7.5 | 7.5 | 10.0 | 10.0 |
| | Maximum Pipe Length | m | 20 | 20 | 30 | 30 |
| | Maximum Elevation Length | m | 15 | 15 | 20 | 20 |
| | Additional Refrigerant Gas* | g/m | 10 | 10 | 15 | 15 |
| Power Supply | | | Indoor | Indoor | Indoor | Indoor |

*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

## OUTDOOR UNIT

BLUE FIN CONDENSER

R32 REFRIGERANT

CU-RU9AKH

CU-RU12AKH

CU-RU18AKH
CU-RU24AKH



## Single-Split Type STANDARD NON-INVERTER

CS-PN9AKH | CS-PN12AKH

CS-PN18AKH | CS-PN24AKH

CS-PN30XKH

Wireless
(Standard)

Wireless
(Standard)

Wireless
(Standard)

AEROWINGS
(CS-PN18/24AKH / CS-PN30XKH)

BIG FLAP
(CS-PN9/12AKH)

POWERFUL

| MODEL | INDOOR UNIT (50Hz) | | CS-PN9AKH | CS-PN12AKH | CS-PN18AKH | CS-PN24AKH | CS-PN30XKH |
|---|---|---|---|---|---|---|---|
| | OUTDOOR UNIT | | CU-PN9AKH | CU-PN12AKH | CU-PN18AKH | CU-PN24AKH | CU-PN30XKH |
| Cooling Capacity | | kW | 2.65-2.70 | 3.49-3.54 | 5.15-5.15 | 6.83-6.87 | 8.78-8.85 |
| | | Btu/h | 9,040-9,210 | 11,900-12,100 | 17,600-17,600 | 23,300-23,400 | 30,000-30,200 |
| EER | | Btu/hW | 10.89-10.71 | 10.82-10.80 | 10.80-10.60 | 10.74-10.59 | 12.55-12.33 |
| | | W/W | 3.19-3.14 | 3.17-3.16 | 3.16-3.10 | 3.15-3.11 | 3.67-3.61 |
| Electrical Data | Voltage | V | 220-240 | 220-240 | 220-240 | 220-240 | 220-240 |
| | Current | A | 3.8-3.7 | 5.1-4.9 | 7.6-7.3 | 10.0-9.4 | 11.0-10.3 |
| | Power Input | W | 830-860 | 1,100-1,120 | 1,630 - 1,660 | 2,170-2,210 | 2,390-2,450 |
| Moisture Removal | | L/h (Pt/h) | 1.6 (3.4) | 2.0 (4.2) | 2.9 (6.1) | 3.9 (8.2) | 5.0 (10.6) |
| Air Circulation | Indoor | $m^3$/min ($ft^3$/min) | 9.5 (340) | 10.3 (360) | 18.9 (670) | 22.2 (780) | 25.5 (900) |
| | Outdoor | $m^3$/min ($ft^3$/min) | 27.3 (960) | 29.4 (1,040) | 39.3 (1,390) | 40.3 (1,420) | 53.5 (1,890)-55.5 (1,960) |
| Noise Level | Indoor (H / L) | dB (A) | 37/26 | 40/29 | 44/39 | 47/42 | 51/46 |
| | Outdoor (H) | dB (A) | 48-49 | 50-51 | 53-54 | 54-55 | 56-57 |
| Unit Dimension-Installed Condition Indoor (Outdoor) | Height | mm | 290 (490) | 290 (490) | 295 (619) | 295 (619) | 309 (695) |
| | | inch | 11-7/16 (19-9/32) | 11-7/16 (19-9/32) | 11-5/8 (24-3/8) | 11-5/8 (24-3/8) | 12-3/16 (27-3/8) |
| | Width | mm | 765 (650) | 765 (650) | 1,060 (824) | 1,060 (824) | 1,212 (875) |
| | | inch | 30-1/8 (25-19/32) | 30-1/8 (25-19/32) | 41-3/4 (32-15/32) | 41-3/4 (32-15/32) | 47-23/32 (34-15/32) |
| | Depth | mm | 214 (230) | 214 (230) | 249 (299) | 249 (299) | 269 (320) |
| | | inch | 8-7/16 (9-1/16) | 8-7/16 (9-1/16) | 9-13/16 (11-25/32) | 9-13/16 (11-25/32) | 10-19/32 (12-5/8) |
| Packaging Dimension-Stacking Condition Indoor (Outdoor) | Height | mm | 266 (553) | 266 (553) | 314 (670) | 314 (670) | 352 (761) |
| | | inch | 10-1/2 (21-25/32) | 10-1/2 (21-25/32) | 12-3/8 (26-3/4) | 12-3/8 (26-3/4) | 13-7/8 (29-31/32) |
| | Width | mm | 847 (783) | 847 (783) | 1,168 (965) | 1,168 (965) | 1,300 (1,049) |
| | | inch | 33-3/8 (30-27/32) | 33-3/8 (30-27/32) | 46 (37) | 46 (37) | 51-3/16 (41-5/16) |
| | Depth | mm | 373 (340) | 373 (340) | 383 (420) | 383 (420) | 403 (460) |
| | | inch | 14-11/16 (13-3/4) | 14-11/16 (13-3/4) | 15-3/32 (16-17/32) | 15-3/32 (16-17/32) | 15-7/8 (18-1/8) |
| Net Weight | Indoor | kg (lb) | 8 (18) | 8 (18) | 12 (26) | 12 (26) | 16 (35) |
| | Outdoor | kg (lb) | 21 (46) | 25 (55) | 33 (73) | 40 (88) | 53 (117) |
| Refrigerant Pipe Diameter | Liquid Side | mm (inch) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) | ø 6.35 (1/4) |
| | Gas Side | mm (inch) | ø 9.52 (3/8) | ø 12.70 (1/2) | ø 12.70 (1/2) | ø 15.88 (5/8) | ø 15.88 (5/8) |
| Pipe Extension | Chargeless Pipe Length | m | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| | Maximum Pipe Length | m | 20 | 20 | 30 | 30 | 40 |
| | Maximum Elevation Length | m | 15 | 15 | 20 | 20 | 30 |
| | Additional Refrigerant Gas* | g/m | 10 | 10 | 15 | 25 | 25 |
| Power Supply | | | Indoor | Indoor | Indoor | Indoor | Outdoor |

*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

## OUTDOOR UNIT

BLUE FIN CONDENSER

R32 REFRIGERANT

CU-PN9AKH
CU-PN12AKH

CU-PN18AKH
CU-PN24AKH

CU-PN30XKH

| Split Type | WALL-MOUNTED | | | | | |
|---|---|---|---|---|---|---|
| | X-PREMIUM INVERTER | PREMIUM INVERTER | DELUXE INVERTER | STANDARD INVERTER | STANDARD INVERTER | STANDARD NON-INVERTER |
| **Cooling Models** | CS-XU10AKH<br>CS-XU13AKH<br>CS-XU18AKH<br>CS-XU24AKH | CS-U10AKH<br>CS-U13AKH<br>CS-U18AKH<br>CS-U24AKH<br>CS-U28AKH | CS-RU9AKH<br>CS-RU12AKH<br>CS-RU18AKH<br>CS-RU24AKH | CS-PU9AKH<br>CS-PU12AKH<br>CS-PU18AKH<br>CS-PU24AKH | CS-QU9AKH<br>CS-QU12AKH<br>CS-QU18AKH<br>CS-QU24AKH | CS-PN9AKH<br>CS-PN12AKH<br>CS-PN18AKH<br>CS-PN24AKH<br>CS-PN30XKH |
| **CLEANER AIR** | | | | | | |
| nanoe™X | Mark 3 | Mark 2 | Mark 2 | | | |
| nanoe-G | ● | ● | | | | |
| Inside Cleaning On Demand | ● | ● | ● | | | |
| Anti-Dust Coating | ● | | | | | |
| Odour-Removing Function | ● | ● | ● | ● | ● | ● |
| **CONVENIENCE** | | | | | | |
| Wi-Fi | Built-in | Optional | Optional | Optional | Optional | |
| 24-Hour Dual ON & OFF Real Setting Timer | ● | ● | ● | ● | ● | |
| 24-Hour ON & OFF Real Setting Timer | | | | | | ● |
| LCD Wireless Remote Control | ● | ● | ● | ● | ● | ● |
| Wired Remote Control | Optional | Optional | Optional | Optional | Optional | |
| **COMFORT** | | | | | | |
| iAUTO-X | ● | ● | | | | |
| Powerful Mode | | | ● | ● | ● | ● |
| Humidity Sensor | ● | ● | | | | |
| SLEEP | ● | ● | ● | ● | ● | ● |
| Quiet Mode | ● | ● | ● | ● | ● | ● |
| Soft Dry Operation Mode | ● | ● | ● | ● | ● | ● |
| Personal Airflow Creation | ● | ● | | | | |
| Airflow Direction Control (Up & Down) | | | ● | ● | ● | ● |
| Manual Horizontal Airflow Direction Control | | | ● | ● | ● | ● |
| **ENERGY EFFICIENCY** | | | | | | |
| Inverter Control | ● | ● | ● | ● | ● | |
| ECO Mode with A.I. | ● | ● | ● | ● | ● | |
| **RELIABILITY** | | | | | | |
| Random Auto Restart (32 Restart Patterns) | ● | ● | ● | ● | ● | ● |
| Blue Fin Condenser | ● | ● | ● | ● | ● | ● |
| Long Piping (Numbers indicate the maximum pipe length) | 20m (XU10/13)<br>30m (XU18/24) | 20m (U10/13)<br>30m (U18/24/28) | 20m (RU9/12)<br>30m (RU18/24) | 20m (PU9/12)<br>30m (PU18/24) | 20m (QU9/12)<br>30m (QU18/24) | 20m (PN9/12)<br>30m (PN18/24), 40m (PN30) |
| Top-Panel Maintenance Access | ● | ● | ● | ● | ● | ● |
| Self-Diagnostic Function | ● | ● | ● | ● | ● | |

## CLEANER AIR

**nanoe™ X**
nanoe™ X effectively deodorises and inhibits various pollutants for a fresher and cleaner living space.

**nanoe-G**
nanoe-G works effectively on removing dust particles as small as PM2.5.

**INSIDE CLEANING ON DEMAND**
Cleanses the inside of the indoor unit by removing moisture, and releasing nanoe™ X to inhibit various pollutants, delivering clean air for your home.

**ANTI-DUST COATING**
Anti-dust coating prevents dust from accumulating on cross flow fan by keeping it clean.

**ODOUR-REMOVING FUNCTION**
With this function, there's no unpleasant odor when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the air conditioner is suppressed.

The unit must be in cool or dry mode and the fan speed must be set to automatic.

## CONVENIENCE

**Wi-Fi**
Control air conditioners remotely by turning your mobile device into a remote controller using internet connection.

**24-HOUR DUAL ON & OFF REAL SETTING TIMER**
This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.

**24-HOUR ON & OFF REAL SETTING TIMER**
The exact operating time (hour and minute) of the air conditioner can be set in advance. From here on, the unit will operate in accordance to these preset hours every day until the system is reset.

**LCD WIRELESS REMOTE CONTROL**
Easy control of the unit from anywhere in the room.

**WIRED REMOTE CONTROL**
Control at the unit from fixed location where wired remote controller is installed.

## COMFORT

**iAUTO-X**
Come home to ultra-fast cooling, and then enjoy continuous comfort Shower Cooling that evenly distributes cool air. Reactivate faster cooling with a second press of the iAUTO-X button.

**POWERFUL MODE**
POWERFUL Mode cool your room faster during start-up for instant cooling comfort.

**HUMIDITY SENSOR**
Air conditioner with Humidity Sensor allows you to control and adjust the relative humidity level to below 55% ~ 60% by turning on Dry Mode or iAUTO-X.

**SLEEP MODE**
Delays off timer with temperature control for better sleep.

**QUIET MODE**
Enjoy the comfort of running your air conditioner at night for a relaxing sleep.

**SOFT DRY OPERATION MODE**
Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change to the temperature.

**PERSONAL AIRFLOW CREATION**
Vertical and horizontal airflow patterns can be combined as desired to achieve optimum comfort, with operation possible by remote even from a distance.

**AIRFLOW DIRECTION CONTROL (UP & DOWN)**
Vertical airflow patterns can be controlled with operation by remote, even from a distance.

**MANUAL HORIZONTAL AIRFLOW DIRECTION CONTROL**
Horizontal airflow pattern can be manually adjusted.

## ENERGY EFFICIENCY

**INVERTER CONTROL**
Varies the rotation speed of the compressor for higher energy savings.

**ECO MODE WITH A.I.**
Auto-adjusts to the optimal ECO level based on heat load conditions and air conditioning cooling capacity.

## RELIABILITY

**RANDOM AUTO RESTART**
When multiple units are connected and there is a power outage, they will turn on at different times in order to not spike the power supply.

**BLUE FIN CONDENSER**
Extra protection from the elements with a longer lasting coil.

**TOP-PANEL MAINTENANCE ACCESS**
Easy access for maintenance.

**LONG PIPING**
Long piping offers more flexible installation options.

**SELF-DIAGNOSTIC FUNCTION**
Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.