

# Panasonic



## Design That Breathes Life

RESIDENTIAL AIR CONDITIONERS  
X-PREMIUM INVERTER



Clean Air  
Indicator



Comfort Cloud



**JAPAN  
QUALITY**

TRUSTED FOR OVER  
100 YEARS

QUALITY AIR FOR LIFE

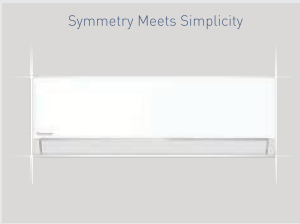


# Design That Breathes Life

Where symmetry meets simplicity.  
Embrace minimalist beauty with seamless function.  
Elegance in every detail, silence in every moment.  
Technology made effortless, for a life of pure comfort.  
Discover the perfect balance  
—where less truly becomes more.

## Inspired by AIR ARCHI

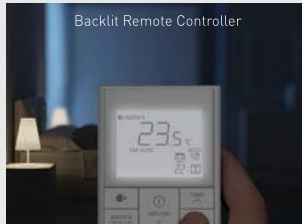
Symmetry Meets Simplicity



### TIMELESS GEOMETRY

- ▶ Minimalist monoblock form
- ▶ Simple and clean lines
- ▶ Smart architectural look

Backlit Remote Controller



### LIFESTYLE CMF

- ▶ Thoughtfully chosen Colour, Material and Finish (CMF)
- ▶ Fit the aesthetics and functionality of modern spaces
- ▶ Blend with and complement users' lifestyles

AEROWINGS for Independent Flaps Control



### FUNCTIONAL DETAILING

- ▶ Carefully crafted details that respect simplicity
- ▶ Sleek intake grille wrap
- ▶ Less visual noise

Clean Air Indicator with Pictogram



### ADAPTIVE INTERACTION

- ▶ Intuitive and understandable
- ▶ Icon-based expression at indication bar
- ▶ Clean air indication showing indoor air quality status

## Commitment to Comfort & Better Indoor Air Quality



**JAPAN QUALITY**  
TRUSTED FOR OVER  
100 YEARS

### OMOTENASHI

Thoughtful Care



### MOTTAINAI

Respect for Resources



### MONOZUKURI

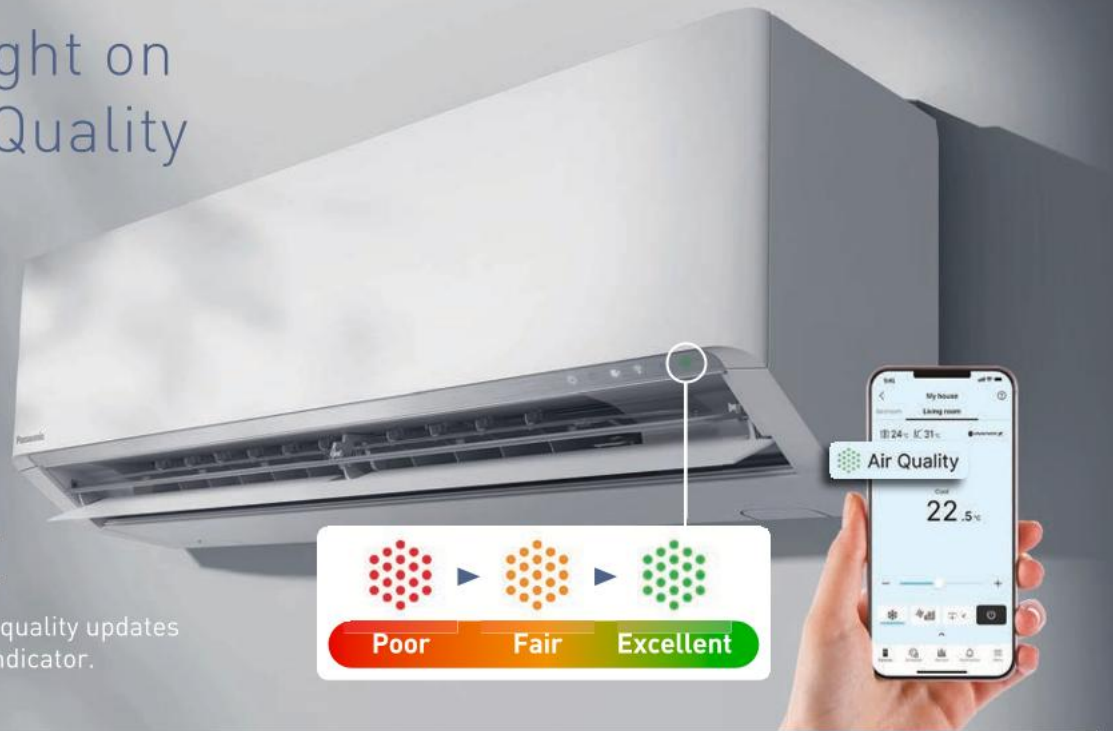
Craftsmanship and Quality



# Gain Insight on Your Air Quality

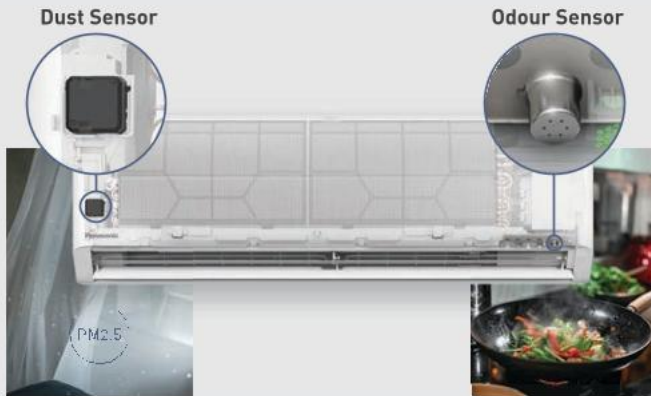
## Clean Air Indicator

Displays real-time air quality updates with a 3-colour level indicator.



## MONITOR & DETECT the Air Around You

**Dust sensor** can detect the presence and concentration of fine particulate matter of 2.5µm or less, which is smaller than house dust. While **Odour sensor** can detect the presence of various odours in the room.



## PURIFY Pollutants and Odours

By leveraging proprietary nanoe™ X and nanoe-G technologies, the air conditioner actively purifies and deodorises the air, creating cleaner and fresher indoor spaces.



nanoe X Generator Mark 3 Device



nanoe X Generator Mark 3 produces 48 trillion hydroxyl radicals per second.



nanoe-G Generator Device



nanoe-G generates 3 trillion negative ions per second.

# Round-the-Clock Indoor Air Protection



**nanoeX**

**INHIBITS 5 TYPES OF POLLUTANTS**    **DEODORISES**    **MOISTURISES**

Bacteria & Viruses	Mould	Allergens	Pollen	Hazardous Substances	Odours	Skin & Hair
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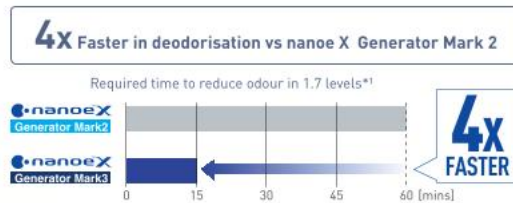
nanoe X Generator Mark 3 contains 100 times more hydroxyl radicals compared to nanoe™. This helps to effectively inhibit pollutants and deodorise odours at a faster pace.



Scan to know more

**4x FASTER\***  
IN INHIBITING POLLEN & DEODORISING

**nanoeX**  
Generator Mark3



\*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)

\*2 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

For more details on nanoe™ X test report, you can visit <https://www.panasonic.com/my/air-solutions/nanoe/evidence.html>

## Fresh Clean Air from the Inside

The Inside Cleaning On Demand cleanses the inside of the air conditioning unit by removing moisture while nanoe X Generator Mark 3 effectively inhibits various pollutants. Anti-dust cross flow fan prevents dust adherence to provide fresh air into the room.



Inhibits up to **99% of bacteria & viruses\*** on evaporator, filter and air outlet

Inhibits **MOULD\*1** on evaporator, filter and air outlet



**Anti-Dust Cross Flow Fan**

<b>Without coating</b> Adhered dust	<b>Anti-Dust Cross Flow Fan</b> Maintain cleanliness

**How to Activate Inside Cleaning**

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.

Notes: (1) Air filter routine maintenance is required to ensure optimal performance. (2) Illustrations of app screens may differ from the actual screen appearance.

\*1 •Test Organisation: Laboratory for mould 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

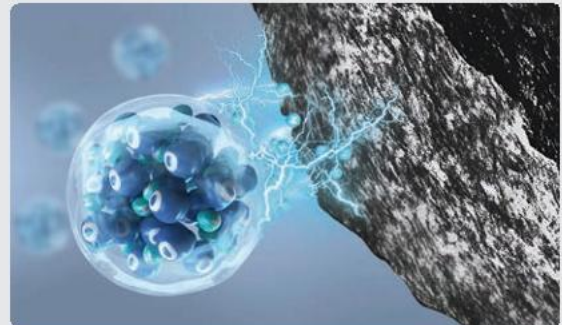
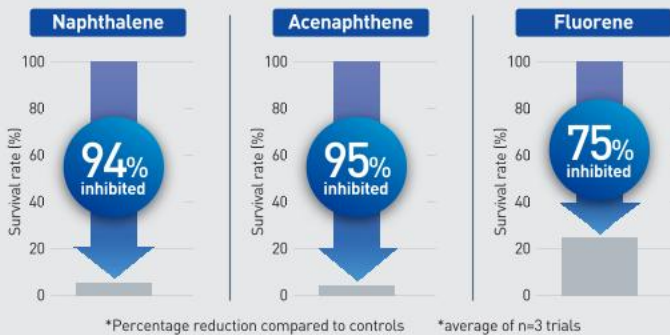
\*2 •Testing Organisation: Protectea, Ltd •Test Subject: Bacteria [Escherichia coli NBRC3301] and Virus [Escherichia coli Phage QB NBRC20012] •Test Result: 99% inhibited [compared to non-operation] •Test Report No: PR190803 [Filter & Evaporator]; PR191102 [Air Outlet]

# Effectiveness of nanoe™ X in Haze Compound Inhibition

In a major step towards improving air quality during the haze crisis, Panasonic together with the Malaysia-Japan International Institute of Technology (MJIT) conducted a study to determine effective solutions for households and businesses, ensuring cleaner and safer indoor air quality and environments during the haze season.

**nanoe™ X, hydroxyl radicals contained in water, has been verified to effectively inhibit up to 95% of polycyclic aromatic hydrocarbons (PAHs) found in PM2.5, a component of smoke pollution (haze).**

The following shows the results of the PAHs inhibition rates\*1 verified after one hour of exposure to nanoe™ X (hydroxyl radicals contained in water).

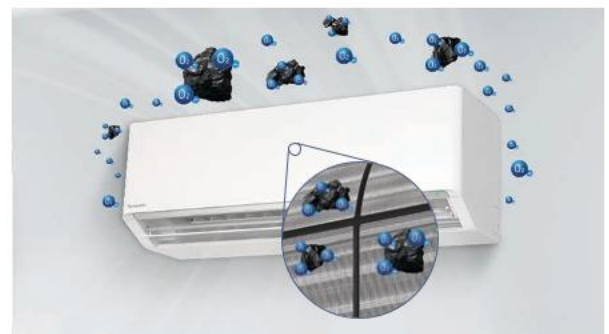


nanoe™ X particles come into contact with PAHs, causing an oxidation reaction that inhibits PAHs

\*1 • Testing organisation: Malaysia-Japan International Institute of Technology • Test subject: Adhered naphthalene, adhered acenaphthene and adhered fluorene • Test volume: 45L enclosed box (350x350x400mm)  
 • Test result: Inhibited adhered naphthalene 94% in 1 hour, inhibited adhered acenaphthene 95% in 1 hour and inhibited adhered fluorene 75% in 1 hour

## Remove Dust Particles (PM2.5)

Effective in removing 99%\*2 of dust particles, nanoe-G releases negative ions to capture dust particles sized as small as PM2.5 (particulate matter of 2.5µm), carrying them back to the filter to provide a clean and pristine living space.



\*2 • 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

# Smart Control for Every Space Convenience in the Palm of Your Hand



Comfort Cloud



Enjoy seamless control of your air conditioners in multiple rooms when you are away with Panasonic Comfort Cloud App using just your smartphone or tablet.



## 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.



### Remote Control

Remotely control multiple air conditioning units at home or away.



### Weekly Timer

Schedule your air conditioner's operation time.



### Purify the Air with Cooling Off

Turn on nanoe™ mode to purify your space while you are away.



### Fan Speed and Air Swing Direction Control

Adjust fan speed or air swing direction of your air conditioners with just a few taps.



### Error Notifications

Get instant error notification to enable technician to quickly resolve any issue.



\*\*Illustrations of app screens may differ from the actual screen appearance.

## Easy Connection with Advanced QR Code Scan

Simply scan the QR code inside the front panel to register the air conditioner in the Panasonic Comfort Cloud App.



\*Scan to learn more

# Energy Efficiency Technologies

## Save More on Electricity Bills

Enjoy intelligent cooling with eco-friendly features such as Panasonic's Inverter technology and ECO Mode with A.I. for better savings and reduced energy consumption.

### Inverter Technology

Panasonic's Inverter technology adjusts the compressor speed in response to temperature change to minimise temperature fluctuations and ensure consistent cooling comfort, reducing power consumption and lowering energy costs for consumers.



#### Greater Energy Savings

Prevent overcooling or overheating, regardless of the room's size or condition.



#### Faster Cooling

Experience refreshing comfort faster with powerful and quick cooling during start-up.



#### Quiet Operation

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

\*Applicable to 1.0HP and 1.5HP of X-PREMIUM INVERTER.



#### Wide Output Range

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

### CSPF 5-Star Rating

Panasonic Inverter air conditioners have high CSPF with a 5-star rating which helps to greatly reduce electricity bills and environmental impacts.



\*1 58% energy saving result only applicable to 2.0HP X-PREMIUM INVERTER. Comparison with lowest 2-star product.

### Intelligently Balance Energy Savings and Comfort

Every room in the house has a different heat load 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.

\*2 Comparison of ECO Mode & normal mode by using 1.5HP Inverter Model.



Scan to know more



## FAST COOLING

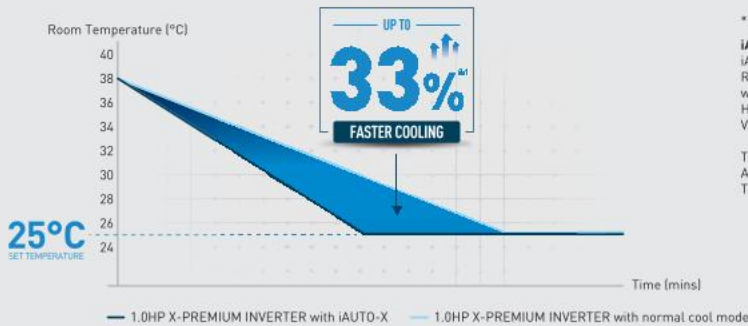
# Beat the Heat Up to 33%\*<sup>1</sup> Faster Cooling



The iAUTO-X technology enables instant relief with faster cooling capabilities especially during hot days, maintaining a comfortable temperature all day without overcooling after the room temperature is stable.

## Cool Quickly and Reliably with iAUTO-X

The iAUTO-X with Panasonic Thermal Enhancement Technology (P-TECH) provides powerful, faster cooling, enabling the compressor to achieve maximum frequency quickly from start-up.



\*<sup>1</sup>Comparison of iAUTO-X mode & normal COOL mode by using 1.0HP X-PREMIUM INVERTER.

### iAUTO-X mode:

iAUTO-X mode, Outside temperature: 38°C  
Remote setting temperature: 25°C,  
with Fan Speed: Auto  
Horizontal Airflow direction: Auto  
Vertical Airflow direction: Straight

### Normal mode:

Cool mode, Outside temperature: 38°C  
Remote setting temperature: 25°C,  
with Fan Speed: High  
Horizontal Airflow direction: Middle  
Vertical Airflow direction: Straight

Total time needed to cool down the room from 38°C to 25°C is measured.  
At Panasonic Amenity Room [size:13.2m<sup>2</sup>]  
The effect differs according to conditions in installation and usage.

## Cool Down 8°C in 30 Seconds

You not only enjoy up to 33% faster cooling and superior performance, but you also achieve an 8°C\*<sup>2</sup> temperature cool down in just 30 seconds with iAUTO-X.

\*<sup>2</sup>Comparison of intake and discharge air temperature differences under iAUTO-X mode using 1.0HP X-PREMIUM INVERTER.

### iAUTO-X mode:

iAUTO-X mode, Outside temperature: 38°C  
Remote setting temperature: 25°C, with Fan Speed: Auto  
Horizontal Airflow direction: Auto  
Vertical Airflow direction: Straight

The intake temperature and discharge temperature in 30 seconds is measured.  
At Panasonic Amenity Room [size:13.2m<sup>2</sup>]  
The effect differs according to conditions in installation and usage.



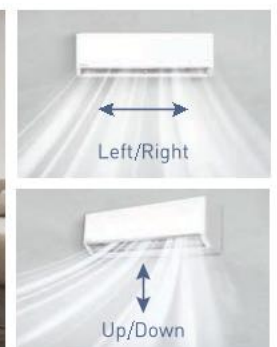
Activate iAUTO-X with a single press!



## Customisable Air Swing

The AEROWINGS features 4-way auto swing that allows you to adjust the air swing to left and right, up and down direction using the remote control or Panasonic Comfort Cloud App to maximise comfort in your room.

## AEROWINGS



# Manage Indoor Humidity Effortlessly

## Ideal Comfort with Balanced Temperature and Humidity Level

Built-in Humidity Sensor helps you maintain optimal comfort by keeping humidity levels below 55%-60%. Simply turn on the iAUTO-X or Dry Mode to maintain a comfortable environment.

### Removes Moisture in the Room

The air conditioner with Humidity Sensor and Dry Mode constantly regulates and maintains the relative humidity level to below 55%, keeping you comfortable without feeling overcool.



#### WHEN DO YOU NEED IT



High humidity but room temperature isn't hot.



Rainy day where there is damp smell in the room.



Living in a tropical or high humidity region.



#### Benefits of Humidity Sensor + Dry Mode



**Comfort without Overcooling**  
Constantly monitors and adjusts relative humidity levels to below 55%, maintaining set 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.

### Ideal Sleep Environment

The air conditioner with Humidity Sensor and iAUTO-X creates an ideal environment for a good night's sleep by constantly monitoring and adjusting relative humidity level to below 60%, ensuring a balanced cooling sensation by reducing heat for optimal comfort.



#### WHEN DO YOU NEED IT



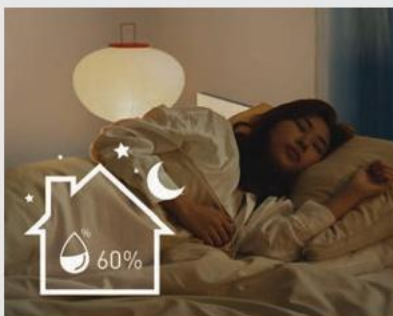
Room temperature and humidity level are high.



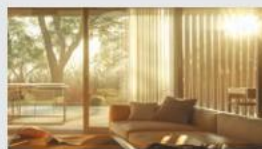
Create an ideal sleep environment.



To improve overall comfort.



#### Benefits of Humidity Sensor + iAUTO-X



**Cools Faster on Hot Days**  
The iAUTO-X provides faster cooling during hot weather.



**Creates Balanced Cooling**  
Continuous comfort cooling indoors with a balance between temperature and humidity level.



**Comfortable Living Effortlessly**  
An ideal environment that promotes comfortable living is easier than ever with just a push of a button.

## DURABILITY & PERFORMANCE

### Anti-Corrosion Protection for Indoor Unit

#### Durable Protection with U-shaped Copper Tube

The newly applied polymer coating on both sides of the U-shaped indoor evaporator's copper tubes provide enhanced defense against indoor contaminants - preventing corrosion, potential gas leakages and rust.



#### Benefits of Corrosion Resistant Coating\*:



**PREVENTS**  
oxidation caused by moisture and condensation



**PROTECTS**  
against weak acids and alkalis from airborne contaminants



**IDEAL**  
for high-humidity & corrosive environments

\*Based on Internal Panasonic laboratory testing. Results may vary depending on usage and environmental factors.

#### What Leads to Indoor Corrosion



**High Humidity**  
(moisture in the air)



**Coastal Air**  
(salt in the air)



**Corrosive Environment**  
(exposure to harsh chemicals)

### All-weather Proof Outdoor Unit

#### Blue Fin Technology

Forms a corrosion-resistant shield that protects the condenser from water, salt, and air contaminants, minimising rust and extending its lifespan.

#### BLUE FIN CONDENSER

- ▶ Long-lasting performance
- ▶ Withstand harsh environment
- ▶ Ideal for coastal and high-humidity areas



#### Water-Resistant PCB

Protects the brain of your air conditioner, extending its durability.



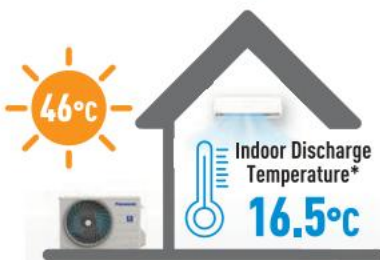
Water-resistant resin coating



Housed in a box

\*Salt spray test result 2,000hr was conducted using bluefin aluminum foil under controlled lab conditions (JIS Z 2371:2015). Actual product performance depends on environment and usage.

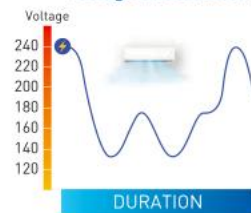
### Stable Cooling Performance



\*Based on Internal Panasonic laboratory testing. Results may vary depending on AC models, usage and environmental factors.

### Built for Safety

#### Voltage Fluctuation



#### Lightning Protection\*



#### Safe and Stable Cooling During Lightning and Voltage Fluctuations

Designed to provide safe and stable cooling while protecting components from damage.

\*Tested beyond industrial IEC standard of 11,000v.



# X-PREMIUM **INVERTER** Single-Split Type



CS-XU10BKH-1 | CS-XU13BKH-1



CS-XU18BKH-1 | CS-XU24BKH-1



Wireless (Standard)

Wired CZ-RD514C (Optional)



Clean Air Indicator



MODEL	INDOOR UNIT (50Hz)		CS-XU10BKH-1	CS-XU13BKH-1	CS-XU18BKH-1	CS-XU24BKH-1
	OUTDOOR UNIT		CU-XU10BKH	CU-XU13BKH	CU-XU18BKH	CU-XU24BKH
Cooling Capacity	(min-max)	kW	2.85 (1.10-3.60)	3.66 (1.30-4.20)	5.57 (1.45-6.21)	6.60 (1.50-7.18)
	(min-max)	Btu/h	9,720 (3,750-12,300)	12,500 (4,430-14,300)	19,000 (4,940-21,200)	22,500 (5,120-24,500)
EER	(min-max)	Btu/hW	13.50 (18.29-11.28)	13.16 (23.95-12.12)	13.01 (20.58-12.47)	12.23 (20.48-11.95)
	(min-max)	W/W	3.96 (5.37-3.30)	3.85 (7.03-3.56)	3.82 (6.04-3.65)	3.59 (6.00-3.50)
CSPF		W/W	6.30	6.34	6.96	6.13
Electrical Data	Voltage	V	220-240	220-240	220-240	220-240
	Current	A	3.5-3.2	4.4-4.0	6.7-6.2	8.5-7.9
	Power Input (min-max)	W	720 (205-1,090)	950 (185-1,180)	1,460 (240-1,700)	1,840 (250-2,050)
Moisture Removal		L/h	1.7	2.1	3.0	3.7
		Pt/h	3.6	4.4	6.3	7.8
Air Circulation	Indoor	m <sup>3</sup> /min (ft <sup>3</sup> /min)	11.8 (415)	12.5 (440)	19.3 (680)	19.9 (700)
	Outdoor	m <sup>3</sup> /min (ft <sup>3</sup> /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)	38/26/19	40/28/19	44/32/27	45/34/28
	Outdoor (H)	dB (A)	47	48	50	52
Dimensions 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	890 (650)	890 (780)	1,060 (824)	1,060 (824)
		inch	35-1/16 (25-19/32)	35-1/16 (30-23/32)	41-3/4 (32-15/32)	41-3/4 (32-15/32)
	Depth	mm	244 (230)	244 (289)	249 (299)	249 (299)
		inch	9-5/8 (9-1/16)	9-5/8 (11-13/32)	9-13/16 (11-25/32)	9-13/16 (11-25/32)
Net Weight	Indoor	kg (lb)	10 (22)	10 (22)	12 (26)	12 (26)
	Outdoor	kg (lb)	18 (40)	22 (49)	31 (68)	32 (71)
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35
		inch	1/4	1/4	1/4	1/4
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.70	ø 12.70
		inch	3/8	3/8	1/2	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**



CU-XU10BKH



CU-XU13BKH



CU-XU18BKH | CU-XU24BKH

# 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 May 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

**Panasonic Air-Conditioning Malaysia (PACMY)**  
**A Division Company of Panasonic Malaysia Sdn. Bhd.**  
Registration No. 197601000977 (26975-W)

## Customer Care Center

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Website: [www.panasonic.com/my/](http://www.panasonic.com/my/)

