



- 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 September 2021.
- Due to printing considerations, the actual colours may vary slightly from those shown.
- All graphics are provided merely 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 Heating & Cooling Solutions

Global site : aircon.panasonic.com

PRO Club : panasonicproclub.global

Panasonic HVAC Global

Panasonic Customer Care Center

Ortigas Avenue Extension, Taytay, Rizal, 1920 Philippines

Hotline : (02)8-706-7603

PLDT Toll Free : 1800-10-7262782

GLOBE Toll Free : 1800-82-934357

Email : pmpc_csdcc@ph.panasonic.com

SMS (Text only) : TYPE Panasonic<space>message and send to

Globe/TM subscribers : 21584703

SMART, SUN, TNT subscribers : 225654703

Fax : (02)8-706-7612

Facebook : Panasonic Philippines

Official Website : <https://www.panasonic.com/ph>

PANASONIC AIR CONDITIONERS 2022

Residential Air conditioners



nanoe™ X technology



Packaged Air conditioners



VRF Air conditioners



QUALITY AIR FOR LIFE

A Better Life, A Better World



24-HOUR PROTECTION

with nanoe™ X + Comfort Cloud

Your health starts with you at home from the outside world. nanoe™ X with hydroxyl radicals contained in water helps families to ensure constantly clean and safe indoor environments by inhibiting bacteria, viruses, mould and other pollutants while deodorising for clean and fresh air.

Choose Panasonic air conditioners equipped with nanoe™ X and stay connected by downloading the Panasonic Comfort Cloud App* to manage your air conditioners with one device.



Comfort Cloud App
(Air Connectivity)



*A router with Internet connection is required to connect your air conditioner with the Panasonic Comfort Cloud App. The CZ-TACG1 accessory is required for PREMIUM INVERTER (3.0HP), DELUXE INVERTER and STANDARD INVERTER (1.0HP-2.5HP). Built-in Wireless LAN is only available for PREMIUM INVERTER (1.0HP-2.5HP).

For more information on comfort cloud, please refer to page 14.

Stay Safe Indoors with 24-Hour nanoe™ X Air Protection¹

nanoe™ X technology with the benefits of hydroxyl radicals can effectively inhibit adhered and airborne pollutants, and reduce odours. You can switch ON nanoe™ X mode with the air conditioning operation ON or OFF to actively clean your air when you are at home or operate independently when you are away from home.

nanoe™ X mode operates on low energy consumption and requires no maintenance – thanks to the titanium-made nanoe™ X device. nanoe™ X keeps you and your family safe indoors with 24-hour active air protection.



Switch nanoe™ X mode ON to inhibit pollutants and deodorise while you're away.

Provides a cleaner and comfortable space for you and your loved ones.

*Energy consumption may vary depending on models.

Smartify Your Air Conditioner Anytime, Anywhere

Take control of single or multiple air conditioning units wherever you are. Purify your home with the Panasonic Comfort Cloud App on your mobile device on-the-move.



Switch on nanoe™ X mode without cooling while away from home.

Convenience to monitor and manage the air conditioners with one mobile device.

¹The nanoe™ X mode can be run independently from cooling mode, and needs to be ON for the 24-hour air purification to function.

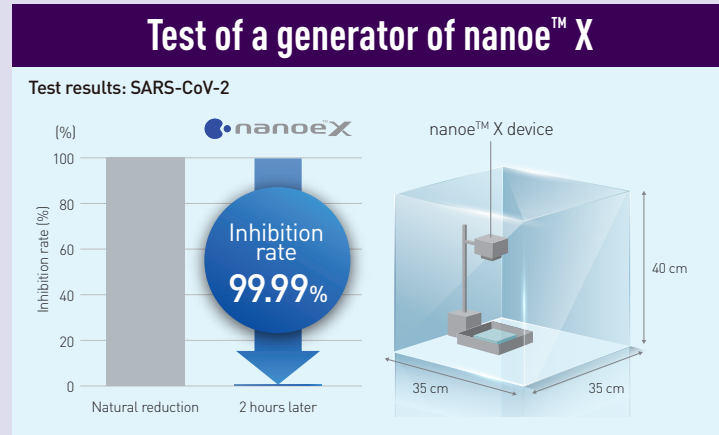
Test Results: Novel Coronavirus Activity Inhibited

Overview

The objective of this test was to determine if nanoe™ X inhibits the activity of the SARS-CoV-2 virus. Gauze saturated with SARS-CoV-2 virus solution was exposed to a generator of nanoe™ X from a distance of 15cm in a 45L box for 2 hours. Over 99.99% of the activity of the SARS-CoV-2 virus was inhibited.

Details

- (1) Testing organisation: TEXCELL (France)
- (2) Test subject: novel coronavirus (SARS-CoV-2)
- (3) Test volume: 45L enclosed box (400 mm x 350 mm x 350 mm)
- (4) Exposure time: 2 hours
- (5) Exposure distance: 15cm



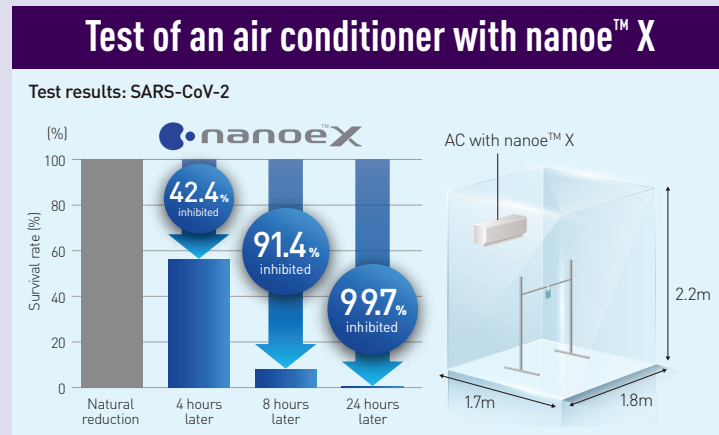
Notes: (1) The virus infectious titer was measured and used to calculate the inhibition rate. (2) This verification was designed to generate basic research data on the effects of nanoe™ X on the novel coronavirus in laboratory conditions. It was not designed to evaluate product performance.

Overview

The objective of this test was to determine if nanoe™ X inhibits the activity of the SARS-CoV-2 virus. Gauze saturated with SARS-CoV-2 virus solution was exposed to an air conditioner with nanoe™ X from a distance of 0.7 m in a 6.7 m³ room for 8 hours. Over 91% of the activity of the SARS-CoV-2 virus was inhibited.

Details

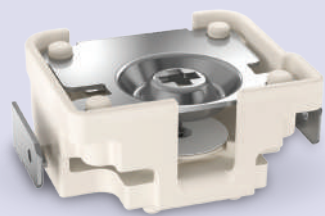
- (1) Testing organisation: Texcell (France)
- (2) Test subject: novel coronavirus (SARS-CoV-2)
- (3) Test volume: 6.7 m³ room (1.7 m x 1.8 m x 2.2 m)
- (4) Exposure time: 8 hours



Notes: (1) The virus infectious titer was measured and used to calculate the inhibition rate. (2) This verification was designed to generate basic research data on the effects of nanoe™ X on the novel coronavirus in laboratory conditions. Actual effects will vary depending on the environment and usage of the product.

The Development of nanoe™ X Generators

Enhancing the effectiveness of hydroxyl radicals contained in water through every new and improved nanoe™ X generator.



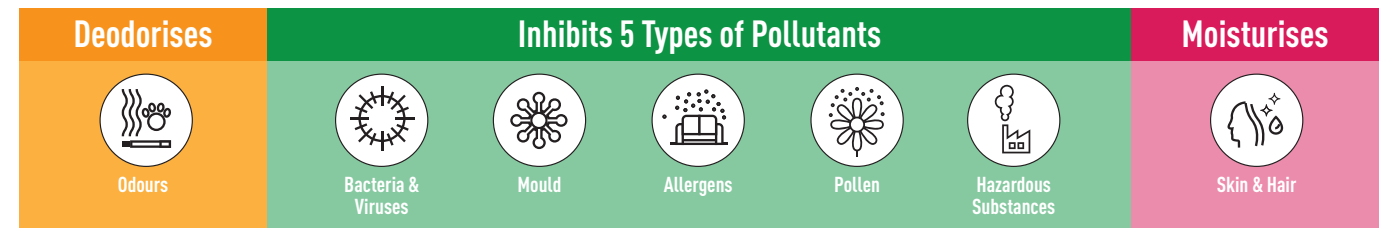
Generator	Mark 1	Mark 2 NEW
	4.8 trillion hydroxyl radicals/sec	9.6 trillion hydroxyl radicals/sec
Ion particle structure		

SCAN FOR MORE INFO



7 Effects of nanoe™ X

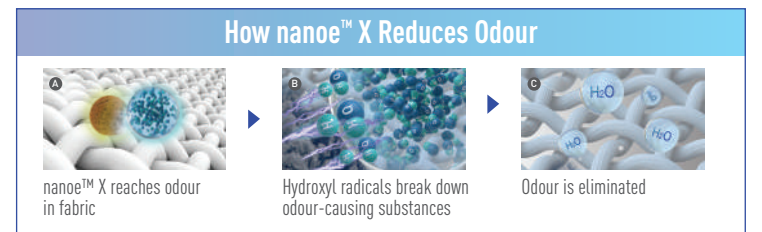
nanoe™ X technology effectively inhibits 5 types of pollutants, deodorises and moisturises with the benefits of hydroxyl radicals contained in water.



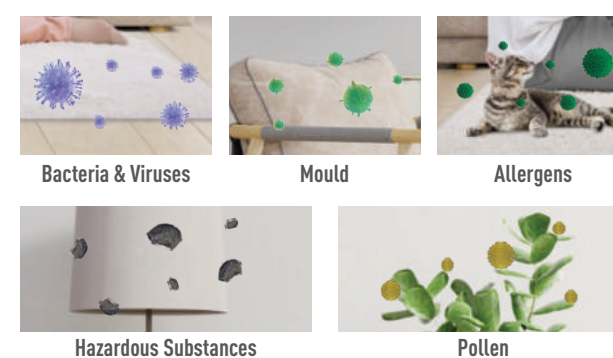
Deodorises Various Types of Odours



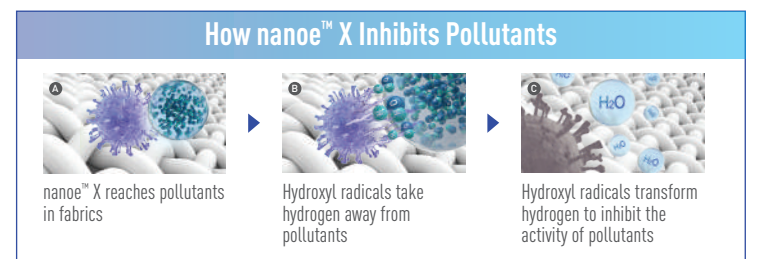
nanoe™ X reduces strong, adhesive odours¹ by deeply penetrating into fabrics, resulting in lasting freshness in your living space.



Inhibits 5 Types of Pollutants



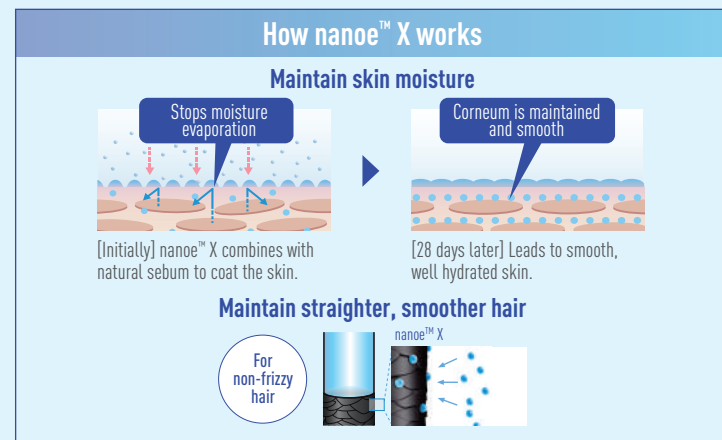
nanoe™ X inhibits airborne and adhered pollutants², providing better air quality for your loved ones.



Moisturises Skin and Hair



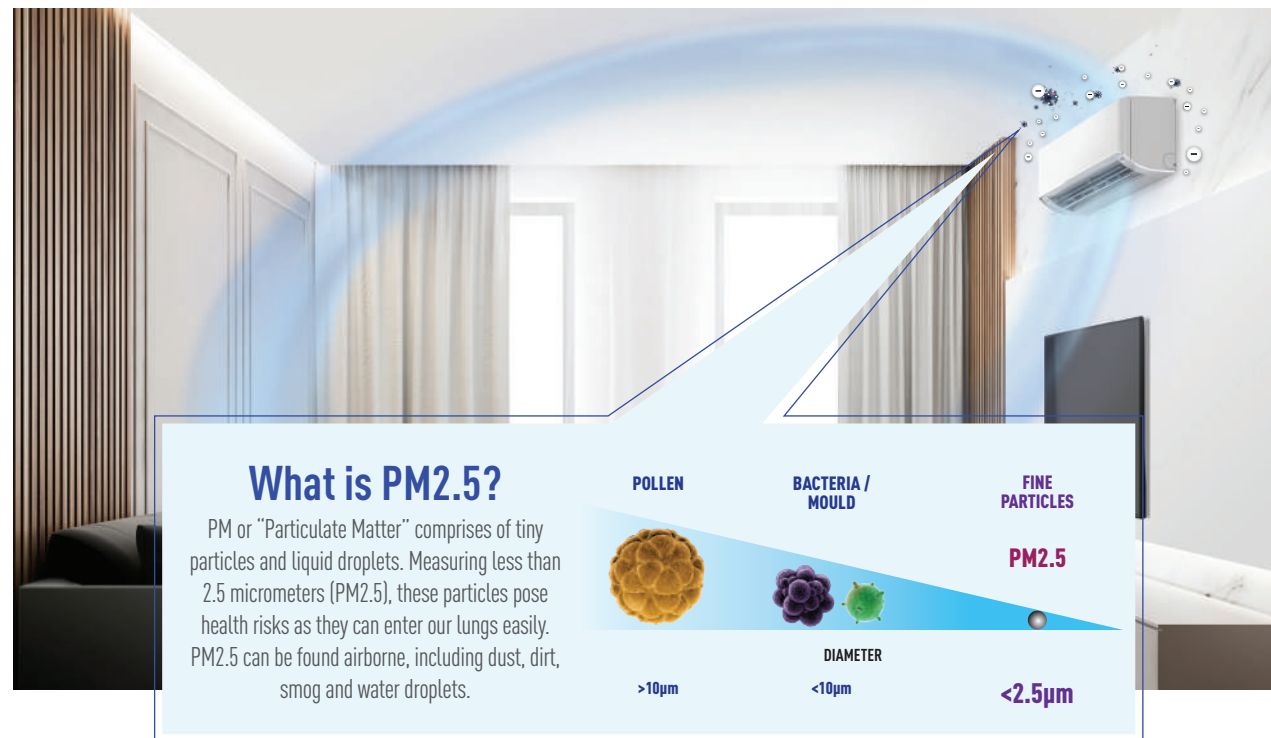
nanoe™ X water particles help to achieve proper moisture balance, resulting in smooth, hydrated skin and hair³.



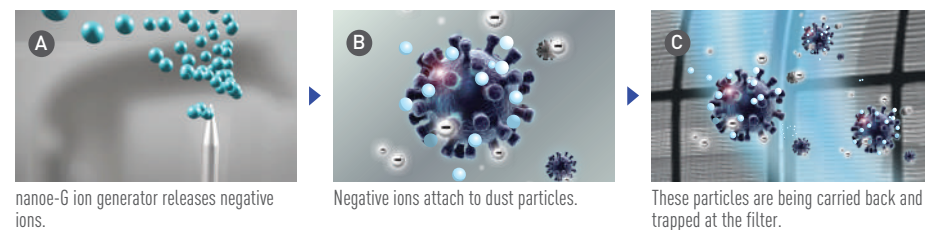
nanoe-G

Effective in removing 99% of dust particles⁴, 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.

Dust Removal (PM2.5)



How nanoe-G works



¹Please refer to page 57 ²Please refer to page 58 ³Please refer to page 63 ⁴Please refer to page 65



Manage at Ease Using Panasonic Comfort Cloud App

Bringing simplicity and convenience to your fingertips, Panasonic Comfort Cloud application gives you complete control of your air conditioning units anytime, anywhere.

The Panasonic Comfort Cloud application enables your mobile device to act as a remote controller, synchronising with your air conditioner in a matter of seconds. Perfect for multiple air conditioning units in single and multiple locations.

XU SERIES WITH BUILT-IN WIRELESS LAN

NEW
2021



Easy connectivity to Panasonic Comfort Cloud and removes the need to purchase and install network adaptor

AIR CONDITIONER WITH OPTIONAL NETWORK ADAPTOR



Optional Network Adaptor (CZ-TAC61)

Optional network adaptor is required

Learn more about the Panasonic Comfort App

Find out more about how the Panasonic Comfort Cloud can smartify your air and managing your Air conditioners anytime, anywhere.



Download Free App



Download on the App Store



GET IT ON Google Play



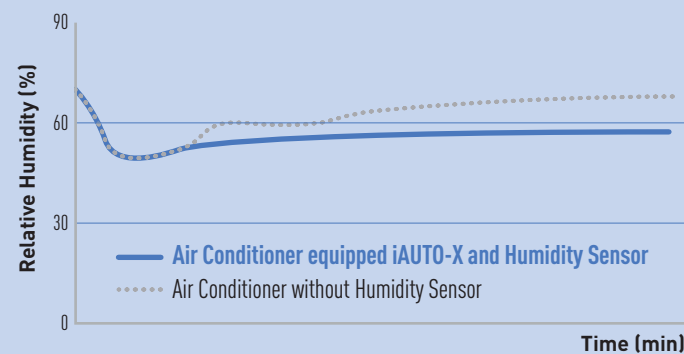
Problems Caused by High Humidity

A high relative humidity even with a low temperature may increase the risk of heat stroke. Causing discomfort and irregular sleep cycles.



Humidity Sensor Optimises An Ideal Sleeping Environment¹

Panasonic's new iAUTO-X with the Humidity Sensor constantly monitors and adjusts relative humidity levels to below 60% for an optimal sleeping environment, so you can enjoy better sleep with comfortable cooling.

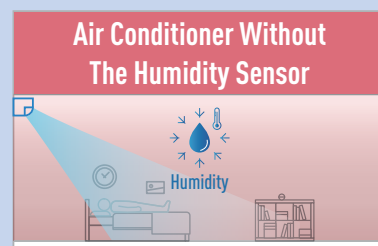


* Comparison of iAUTO-X Mode & normal COOL mode by using 1.5HP PREMIUM INVERTER Model

iAUTO-X Mode:
 iAUTO-X Mode, Outside temperature : 35°C/24°C
 Remote setting temperature : 25°C, with Fan Speed: Auto
 Horizontal Airflow direction : Auto
 Vertical Airflow direction : Straight

Normal Cool Mode:
 Cool Mode, Outside temperature : 35°C/24°C
 Remote setting temperature : 25°C, with Fan Speed: High
 Horizontal Airflow direction : Middle
 Vertical Airflow direction : Straight

Average Room RH is measured every 1 hour up to 4th hour (under stable condition).
 At Panasonic Amenity Room [size:16.6m²]
 The effect differs according to conditions in installation and usage.



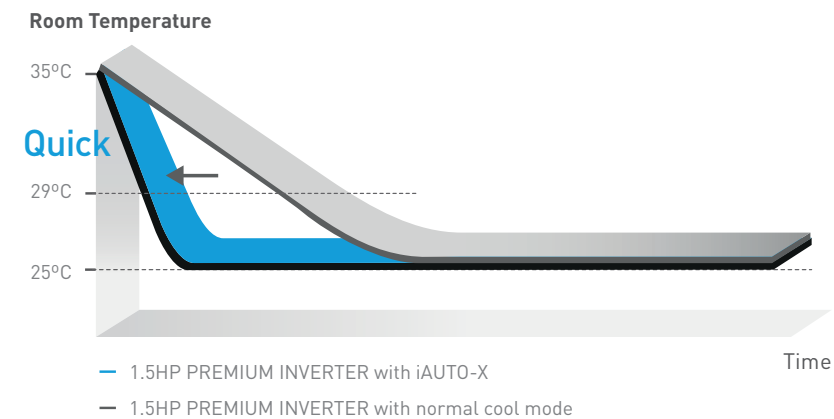
Without the humidity sensor, relative humidity increases in the room during stable operation causing uncomfortable sleeping environments.



The humidity sensor automatically controls relative humidity below 60% to remain stable and comfortable during bedtime.

Faster Cooling with iAUTO-X¹

iAUTO-X provides stronger and faster cooling through the use of Panasonic Thermal Enhancement Technology (P-TECH) enabling the compressor to achieve maximum frequency quickly from start-up. With the new iAUTO-X function, you can reactivate iAUTO-X for faster cooling even after reaching stable temperatures.



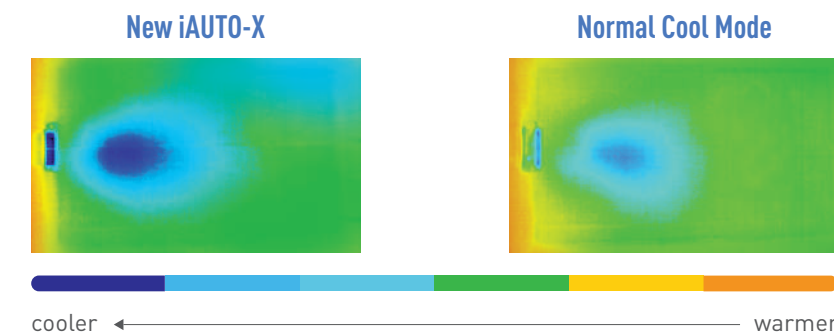
25%*
COOLER
FASTER

* Comparison of iAUTO-X Mode & normal COOL mode by using 1.5HP

iAUTO-X Mode:
 iAUTO-X Mode, Outside temperature : 35°C/24°C
 Remote setting temperature : 25°C, with Fan Speed: Auto
 Horizontal Airflow direction : Auto
 Vertical Airflow direction : Straight

Normal Mode:
 Cool Mode, Outside temperature : 35°C/24°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 35°C to 29°C is measured.
 At Panasonic Amenity Room [size:16.6m²]
 The effect differs according to conditions in installation and usage.



cooler ← warmer
 Concentrated airflow cools instantly. Room is evenly cooled.
 Cool air blows downwards and cools the room at a slow pace, resulting in uneven cooling.



NEW AEROWINGS

Shower Cooling

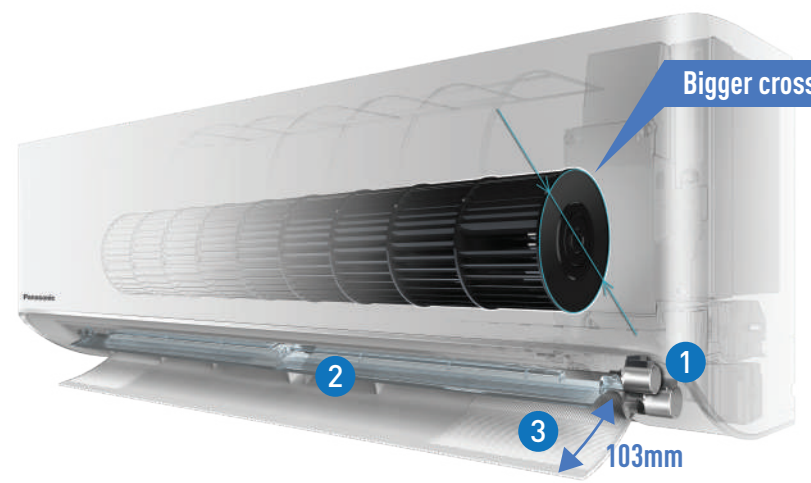
Shower airflow spreads fast, cool and concentrated air across room and to the wall, then showers down gently.

Fast Cooling

AEROWINGS twin flaps direct concentrated airflow downwards to cool you rapidly.

15 Meters Long Air Distance with The Improved New AEROWINGS¹

Evolving to provide fast and cooling comfort, the New AEROWINGS incorporates two independently controlled flaps to cool the room in the shortest time possible with a bigger cross flow fan (105mm) and flap (103mm), improving the ability to lift air speed efficiently.



The new AEROWINGS provides longer airflow up to 15 meters with increased airflow by 10% and air speed by 20%².

- 1 2 Independent Motors**
Control the Sub-Flap and Bigger Outer Flap separately.
- 2 Sub-Flap**
Compresses and concentrates cool air.
- 3 Bigger Outer Flap (103mm)**
Helps to deliver airflow further.

¹Applicable to PREMIUM INVERTER (1.0HP-2.5HP) only. ²Compared to previous PREMIUM model (1.5HP)

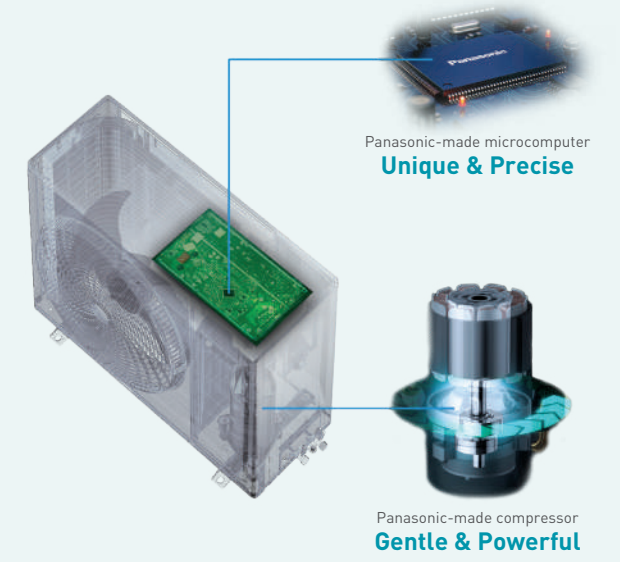
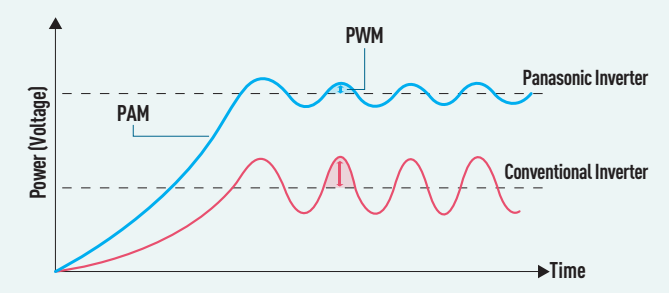


Powerful Performance with Efficiency

Panasonic's Inverter reduces power consumption by varying the speed of the compressor according to the temperature changes with the aim of minimising the temperature fluctuations so you can enjoy consistent cooling comfort.

Quick Cooling and Constant Comfort

PAM (Pulse Amplitude Modulation) increases the power output to accelerate compressor speed at start up for quick cooling and PWM (Pulse Width Modulated Wave) stabilises the set temperature without wasting energy, offering constant comfort.



Benefits of Panasonic Inverter Technology

The energy-saving abilities of Inverters provide a host of benefits for your comfort, including fast cooling upon start-up, constantly maintaining a set temperature, a wider power output range and reduced noise levels.

- Fast cooling at start-up
- Maintain a stable set temperature
- Wide output range
- Quiet operation

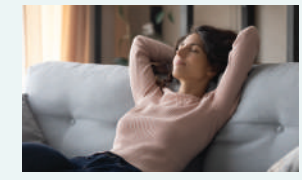
Reasons to Choose Panasonic Inverter Air-Conditioner



Save on Your Electricity Bill
Panasonic inverter air conditioner prevents overcooling or overheating regardless of room size or condition.



Stay Cool Throughout the Day
A wide power output range for inverter air conditioner models provides a balanced comfort regardless of temperature fluctuations caused by the occupancy level or heat-generating appliances.



Cut Down on Waiting Time
With powerful and quick start-up, you no longer have to wait to experience refreshing comfort.



Learn more about Inverter Technology at <https://www.panasonic.com/ph/consumer/air-conditioner-learn/features-explanation/inverter-technology.html>



An Environmental-Friendly Refrigerant

R32 refrigerant is an excellent heat transfer medium which leads to greater energy and cost-effectiveness. It also has low global warming potential, hence it's friendlier to the environment.

- HIGHER COOLING CAPACITY**
 R32 has **higher cooling capacity** thereby increases heat transfer efficiency.
- REDUCE ENERGY COSTS**
 It consumes **less energy**, helping you to save on electricity costs.
- ECO FRIENDLY**
 R32 has **zero impact** on the ozone layer, therefore it's environment friendly.

Refrigerant Properties of R32, R410A and R22

	R32	R410A	R22
Composition	Single Component	2 Components	Single Component
Chemical Formula	CH ₂ F ₂	CH ₂ F ₂ / CHF ₂ CF ₃	CHClF ₂
Boiling Point (°C)	-51.7	-51.5	-40.8
Ozone Depletion Potential (ODP)	0	0	0.055
Global Warming Potential (GWP)	675	2090	1810
Pressure	1.6 x	1.6 x	1x
Refrigerant Oil	Synthetic Oil (FW50S)	Synthetic Oil (FV50S)	Mineral Oil
Toxicity	None	None	None
Flammability	A2L Mildly flammable	A1 Non-flammable	A1 Non-flammable

Easy Breezy Installation & Servicing



* Good Design Award 2020 applicable to DELUXE INVERTER (1.0HP-2.0HP), STANDARD INVERTER (1.0HP-2.0HP) and STANDARD NON-INVERTER (1.0HP-1.5HP).

EASY REMOVAL

User-friendly slider locks



Easy to lock & unlock the front grille.

One-piece front grille



Makes installation & servicing easier when dismantling or assembling.

Simple steps for circuit board (PCB) removal



Remove control board cover.



Disconnect all the connectors.



Pull out main PCB, screw-free design makes it easy to remove PCB.

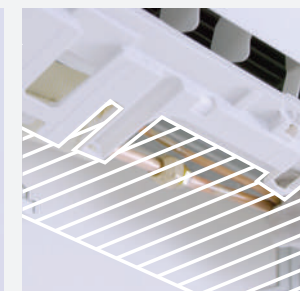
EASY ACCESS

Built-in support holders



Built-in support holder makes it easy to securely hold the indoor unit against the wall.

Piping storage



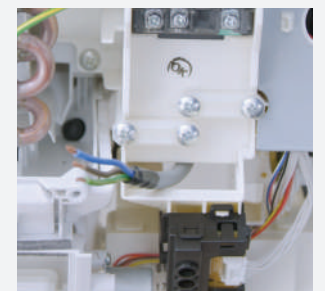
180mm bigger piping space improves work efficiency during installation and servicing.

Easy access to drain hose and piping



More open working spaces provide easy view and unobstructed access to setup drain hose and piping.

Easy wire insertion and connection



Single wire insert tunnel with wider opening provides front visibility plus easy wire insertion and connection.

NEAT INSTALLATION

Stronger installation plate



Stronger & more solid installation plate which provides more stability to better support indoor units.

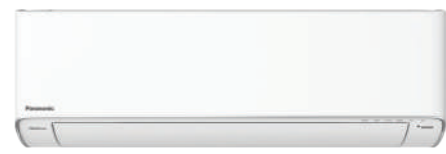
Screw holders for uneven surfaces



Ensures indoor units fit well on the wall without any gaps.

Split Type Air conditioner Line-Up

WALL-MOUNTED PREMIUM INVERTER Single-Split Type **NEW**



CS-XU9XKQ | CS-XU12XKQ



CS-XU18XKQ | CS-XU24XKQ



Wireless (Standard)



Wireless CZ-RD514C (Optional)



MODEL	INDOOR UNIT (60Hz)		CS-XU9XKQ	CS-XU12XKQ	CS-XU18XKQ	CS-XU24XKQ
	OUTDOOR UNIT					
Cooling Capacity	(min-max)	kW	2.55 (0.92-3.20)	3.50 (1.02-4.20)	5.30 (1.10-6.21)	6.10 (1.12-7.18)
	(min-max)	kJ/h	9,180 (3,310-11,520)	12,600 (3,670-15,120)	19,080 (3,960-22,360)	21,960 (4,030-25,850)
EER	(min-max)	kJ/hW	14.34 (14.71-13.09)	14.00 (14.12-12.81)	15.14 (15.84-13.15)	14.17 (16.12-12.61)
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.1	4.1	5.7	6.9
	Power Input (min-max)	W	640 (225-880)	900 (260-1,180)	1,260 (250-1,700)	1,550 (250-2,050)
Moisture Removal		L/h (Pt/h)	1.6 (3.4)	2.0 (4.2)	2.9 (6.1)	3.4 (7.2)
Air Circulation	Indoor	m ³ /min (ft ³ /min)	11.8 (415)	12.5 (440)	18.7 (660)	19.2 (680)
	Outdoor	m ³ /min (ft ³ /min)	27.6 (970)	30.9 (1,090)	34.9 (1,230)	46.3 (1,635)
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	51
Unit Dimensions Indoor (Outdoor)	Height	mm	295 (511)	295 (542)	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 (27-3/8)
	Width	mm	870 (650)	870 (780)	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 (34-15/32)
	Depth	mm	229 (230)	229 (289)	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 (12-5/8)
Packaging Dimensions Indoor (Outdoor)	Height	mm	283 (578)	283 (603)	314 (680)	314 (761)
		inch	11-5/32 (22-25/32)	11-5/32 (23-3/4)	12-3/8 (26-25/32)	12-3/8 (29-31/32)
	Width	mm	952 (784)	952 (891)	1,148 (958)	1,148 (1,049)
		inch	37-1/2 (30-7/8)	37-1/2 (35-3/32)	45-7/32 (37-23/32)	45-7/32 (41-5/16)
	Depth	mm	374 (347)	374 (396)	383 (416)	383 (460)
		inch	14-3/4 (13-11/16)	14-3/4 (15-19/32)	15-3/32 (16-13/32)	15-3/32 (18-1/8)
Net Weight	Indoor / Outdoor	kg (lb)	10 (22) / 18 (40)	10 (22) / 23 (51)	12 (26) / 30 (66)	12 (26) / 39 (86)
Gross Weight	Indoor / Outdoor	kg (lb)	12 (26) / 20 (44)	12 (26) / 25 (55)	14 (31) / 33 (73)	14 (31) / 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)
	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			Outdoor	Outdoor	Outdoor	Outdoor

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

OUTDOOR UNIT



CU-XU9XKQ



CU-XU12XKQ



CU-XU18XKQ



CU-XU24XKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED PREMIUM INVERTER Single-Split Type



CS-XU30VKQ



Wireless (Standard)



Wireless CZ-RD514C (Optional)



Network Adaptor CZ-TACG1 (Optional)



MODEL	INDOOR UNIT (60Hz)		CS-XU30VKQ	
	OUTDOOR UNIT		CU-XU30VKQ	
Cooling Capacity	(min-max)	kW	8.20 (1.15-10.00)	
	(min-max)	kJ/h	29,520 (4,140-36,000)	
EER	(min-max)	kJ/hW	12.83 (11.83-11.25)	
Electrical Data	Voltage	V	230	
	Current	A	11.0	
	Power Input (min-max)	W	2,300 (350-3,200)	
Moisture Removal		L/h (Pt/h)	4.8 (10.1)	
Air Circulation	Indoor	m ³ /min (ft ³ /min)	21.3 (750)	
	Outdoor	m ³ /min (ft ³ /min)	50.2 (1,770)	
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	47/37/34	
	Outdoor (H)	dB (A)	53	
Unit Dimensions Indoor (Outdoor)	Height	mm	302 (795)	
		inch	11-29/32 (31-5/16)	
	Width	mm	1,120 (875)	
		inch	44-1/8 (34-15/32)	
	Depth	mm	241 (320)	
		inch	9-1/2 (12-5/8)	
Packaging Dimensions Indoor (Outdoor)	Height	mm	287 (899)	
		inch	11-5/16 (35-13/32)	
	Width	mm	1,190 (1,049)	
		inch	46-7/8 (41-5/16)	
	Depth	mm	378 (485)	
		inch	14-29/32 (19-1/8)	
Net Weight	Indoor / Outdoor	kg (lb)	13 (29) / 55 (121)	
Gross Weight	Indoor / Outdoor	kg (lb)	15 (33) / 60 (132)	
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	
	Gas Side	mm (inch)	ø 15.88 (5/8)	
Pipe Extension	Chargeless Pipe Length	m	10.0	
	Maximum Pipe Length	m	30	
	Maximum Elevation Length	m	20	
	Additional Refrigerant Gas*	g/m	25	
Power Supply			Outdoor	

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

OUTDOOR UNIT



CU-XU30VKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED

DELUXE **INVERTER** Single-Split Type



CS-XPU9WKQ | CS-XPU12WKQ
| CS-XPU18WKQ



CS-XPU24XKQ **NEW**



Wireless
(Standard)



Wired
CZ-RD514C
(Optional)



Network Adaptor
CZ-TACG1
(Optional)



MODEL	INDOOR UNIT ^(60Hz)		CS-XPU9WKQ	CS-XPU12WKQ	CS-XPU18WKQ	CS-XPU24XKQ
	OUTDOOR UNIT		CU-XPU9WKQ	CU-XPU12WKQ	CU-XPU18WKQ	CU-XPU24XKQ
Cooling Capacity	(min-max)	kW	2.54 (0.84-3.10)	3.06 (1.02-3.80)	5.00 (1.10-5.40)	6.10 (1.12-7.18)
	(min-max)	kJ/h	9,140 (3,020-11,160)	11,020 (3,670-13,680)	18,000 (3,960-19,440)	21,960 (4,030-25,850)
EER	(min-max)	kJ/hW	13.64 (13.73-12.61)	14.69 (14.98-11.69)	11.61 (13.66-10.80)	13.31 (16.12-12.61)
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.2	3.4	7.0	7.4
	Power Input (min-max)	W	670 (220-885)	750 (245-1,170)	1,550 (290-1,800)	1,650 (250-2,050)
Moisture Removal		L/h (Pt/h)	1.6 (3.4)	1.7 (3.6)	2.8 (5.9)	3.4 (7.2)
Air Circulation	Indoor	m ³ /min (ft ³ /min)	10.3 (365)	10.8 (380)	12.6 (445)	19.2 (680)
	Outdoor	m ³ /min (ft ³ /min)	27.3 (960)	31.6 (1,120)	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	45/36/29
	Outdoor (H)	dB (A)	47	48	51	51
Unit Dimensions 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	779 (650)	779 (780)	779 (824)	1,040 (824)
		inch	30-11/16 (25-19/32)	30-11/16 (30-23/32)	30-11/16 (32-15/32)	40-31/32 (32-15/32)
	Depth	mm	209 (230)	209 (289)	209 (299)	244 (299)
		inch	8-1/4 (9-1/16)	8-1/4 (11-13/32)	8-1/4 (11-25/32)	9-5/8 (11-25/32)
Packaging Dimensions Indoor (Outdoor)	Height	mm	255 (578)	255 (603)	255 (680)	314 (680)
		inch	10-1/16 (22-25/32)	10-1/16 (23-3/4)	10-1/16 (26-25/32)	12-3/8 (26-25/32)
	Width	mm	861 (784)	861 (891)	861 (958)	1,148 (958)
		inch	33-29/32 (30-7/8)	33-29/32 (35-3/32)	33-29/32 (37-23/32)	45-7/32 (37-23/32)
	Depth	mm	364 (347)	364 (396)	364 (416)	383 (416)
		inch	14-11/32 (13-11/16)	14-11/32 (15-19/32)	14-11/32 (16-13/32)	15-3/32 (16-13/32)
Net Weight	Indoor / Outdoor	kg (lb)	8 (18) / 18 (40)	8 (18) / 23 (51)	9 (20) / 29 (64)	12 (26) / 31 (68)
Gross Weight	Indoor / Outdoor	kg (lb)	9 (20) / 20 (44)	9 (20) / 25 (55)	10 (22) / 32 (71)	14 (31) / 34 (75)
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			Outdoor	Outdoor	Outdoor	Outdoor

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

OUTDOOR UNIT



CU-XPU9WKQ



CU-XPU12WKQ



CU-XPU18WKQ
CU-XPU24XKQ

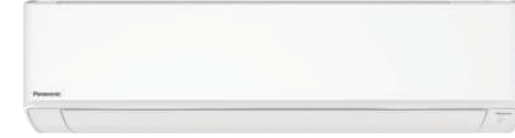
Split Type Air conditioner Line-Up

WALL-MOUNTED

STANDARD **INVERTER** Single-Split Type



CS-PU9WKQ | CS-PU12WKQ | CS-PU18WKQ



CS-PU24XKQ **NEW**



Wireless
(Standard)



Wired
CZ-RD514C
(Optional)



Network Adaptor
CZ-TACG1
(Optional)



MODEL	INDOOR UNIT ^(60Hz)		CS-PU9WKQ	CS-PU12WKQ	CS-PU18WKQ	CS-PU24XKQ
	OUTDOOR UNIT		CU-PU9WKQ	CU-PU12WKQ	CU-PU18WKQ	CU-PU24XKQ
Cooling Capacity	(min-max)	kW	2.54 (0.84-3.10)	3.06 (1.02-3.80)	5.00 (1.10-5.40)	6.10 (1.12-7.18)
	(min-max)	kJ/h	9,140 (3,020-11,160)	11,020 (3,670-13,680)	18,000 (3,960-19,440)	21,960 (4,030-25,850)
EER	(min-max)	kJ/hW	13.64 (13.73-12.61)	14.69 (14.98-11.69)	11.61 (13.66-10.80)	13.31 (16.12-12.61)
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.2	3.4	7.0	7.4
	Power Input (min-max)	W	670 (220-885)	750 (245-1,170)	1,550 (290-1,800)	1,650 (250-2,050)
Moisture Removal		L/h (Pt/h)	1.6 (3.4)	1.7 (3.6)	2.8 (5.9)	3.4 (7.2)
Air Circulation	Indoor	m ³ /min (ft ³ /min)	10.3 (365)	10.8 (380)	12.6 (445)	19.2 (680)
	Outdoor	m ³ /min (ft ³ /min)	27.3 (960)	31.6 (1,120)	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	45/36/29
	Outdoor (H)	dB (A)	47	48	51	51
Unit Dimensions 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	779 (650)	779 (780)	779 (824)	1,040 (824)
		inch	30-11/16 (25-19/32)	30-11/16 (30-23/32)	30-11/16 (32-15/32)	40-31/32 (32-15/32)
	Depth	mm	209 (230)	209 (289)	209 (299)	244 (299)
		inch	8-1/4 (9-1/16)	8-1/4 (11-13/32)	8-1/4 (11-25/32)	9-5/8 (11-25/32)
Packaging Dimensions Indoor (Outdoor)	Height	mm	255 (578)	255 (603)	255 (680)	314 (680)
		inch	10-1/16 (22-25/32)	10-1/16 (23-3/4)	10-1/16 (26-25/32)	12-3/8 (26-25/32)
	Width	mm	861 (784)	861 (891)	861 (958)	1,148 (958)
		inch	33-29/32 (30-7/8)	33-29/32 (35-3/32)	33-29/32 (37-23/32)	45-7/32 (37-23/32)
	Depth	mm	364 (347)	364 (396)	364 (416)	383 (416)
		inch	14-11/32 (13-11/16)	14-11/32 (15-19/32)	14-11/32 (16-13/32)	15-3/32 (16-13/32)
Net Weight	Indoor / Outdoor	kg (lb)	8 (18) / 18 (40)	8 (18) / 23 (51)	9 (20) / 29 (64)	12 (26) / 31 (68)
Gross Weight	Indoor / Outdoor	kg (lb)	9 (20) / 20 (44)	9 (20) / 25 (55)	10 (22) / 32 (71)	14 (31) / 34 (75)
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			Outdoor	Outdoor	Outdoor	Outdoor

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

OUTDOOR UNIT



CU-PU9WKQ



CU-PU12WKQ



CU-PU18WKQ
CU-PU24XKQ

Split Type Air conditioner Line-Up

WALL-MOUNTED

STANDARD **INVERTER** Single-Split Type



CS-PU36WKQ



Wireless (Standard)

POWERFUL | **INVERTER**

MODEL	INDOOR UNIT [60Hz]		CS-PU36WKQ	
	OUTDOOR UNIT		CU-PU36WKQ	
Cooling Capacity	(min-max)	kW	10.0 (2.7-11.0)	
	(min-max)	kJ/h	36,000 (9,720-39,600)	
EER	(min-max)	kJ/hW	10.8 (17.1-10.6)	
Electrical Data	Voltage	V	230	
	Current	A	15.0	
	Power Input (min-max)	W	3,330 (570-3,730)	
Moisture Removal		L/h (Pt/h)	4.4 (9.4)	
Air Circulation	Indoor	m ³ /min (ft ³ /min)	24.0 (847)	
	Outdoor	m ³ /min (ft ³ /min)	82.2 (2,902)	
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	49/39	
	Outdoor (H)	dB (A)	57	
Unit Dimensions Indoor (Outdoor)	Height	mm	295 (955)	
		inch	11-5/8 (37-5/8)	
	Width	mm	1,160 (1,100)	
		inch	45-11/16 (43-5/16)	
	Depth	mm	255 (370)	
		inch	10-1/16 (14-19/32)	
Packaging Dimensions Indoor (Outdoor)	Height	mm	375 (1,018)	
		inch	14-25/32 (40-3/32)	
	Width	mm	1,250 (1,305)	
		inch	49-7/32 (51-13/32)	
	Depth	mm	331 (535)	
		inch	13-1/16 (21-3/32)	
Net Weight	Indoor / Outdoor	kg (lb)	14 (31) / 76 (168)	
Gross Weight	Indoor / Outdoor	kg (lb)	20 (44) / 85 (187)	
Refrigerant Pipe Diameter	Liquid Side	mm (inch)	ø 6.35 (1/4)	
	Gas Side	mm (inch)	ø 15.88 (5/8)	
Pipe Extension	Chargeless Pipe Length	m	10.0	
	Maximum Pipe Length	m	30	
	Maximum Elevation Length	m	20	
	Additional Refrigerant Gas*	g/m	25	
Power Supply			Outdoor	

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

OUTDOOR UNIT



CU-PU36WKQ

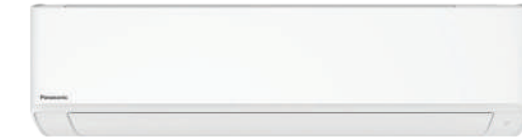
Split Type Air conditioner Line-Up

WALL-MOUNTED

STANDARD **NON-INVERTER** Single-Split Type **NEW**



CS-PN9XKQ | CS-PN12XKQ



CS-PN18XKQ | CS-PN24XKQ



Wireless (Standard)

BIG FLAP | **AEROWINGS** | **POWERFUL**

(CS-PN9/12XKQ) (CS-PN18/24XKQ)

MODEL	INDOOR UNIT [60Hz]		CS-PN9XKQ	CS-PN12XKQ	CS-PN18XKQ	CS-PN24XKQ
	OUTDOOR UNIT		CU-PN9XKQ	CU-PN12XKQ	CU-PN18XKQ	CU-PN24XKQ
Cooling Capacity	(min-max)	kW	2.67	3.55	5.25	6.80
	(min-max)	kJ/h	9,610	12,780	18,900	24,480
EER	(min-max)	kJ/hW	11.2	11.5	11.2	11.4
Electrical Data	Voltage	V	230	230	230	230
	Current	A	3.8	4.9	7.4	9.6
	Power Input (min-max)	W	860	1,110	1,690	2,140
Moisture Removal		L/h (Pt/h)	1.6 (3.4)	2.1 (4.4)	2.9 (6.1)	3.9 (8.2)
Air Circulation	Indoor	m ³ /min (ft ³ /min)	10.4 (367)	11.5 (406)	17.9 (632)	20.5 (724)
	Outdoor	m ³ /min (ft ³ /min)	29.2 (1,030)	33.6 (1,190)	36.9 (1,300)	52.5 (1,850)
Noise Level	Indoor (H / L / Q-Lo)	dB (A)	36/26	40/29	43/39	47/42
	Outdoor (H)	dB (A)	49	50	54	55
Unit Dimensions Indoor (Outdoor)	Height	mm	290 (511)	290 (542)	295 (619)	295 (695)
		inch	11-7/16 (20-1/8)	11-7/16 (21-11/32)	11-5/8 (24-3/8)	11-5/8 (27-3/8)
	Width	mm	779 (650)	779 (780)	1,040 (824)	1,040 (875)
		inch	30-11/16 (25-19/32)	30-11/16 (30-23/32)	40-31/32 (32-15/32)	40-31/32 (34-15/32)
	Depth	mm	209 (230)	209 (289)	244 (299)	244 (320)
		inch	8-1/4 (9-1/16)	8-1/4 (11-13/32)	9-5/8 (11-25/32)	9-5/8 (12-5/8)
Packaging Dimensions Indoor (Outdoor)	Height	mm	255 (578)	255 (603)	314 (680)	314 (761)
		inch	10-1/16 (22-25/32)	10-1/16 (23-3/4)	12-3/8 (26-25/32)	12-3/8 (29-31/32)
	Width	mm	861 (784)	861 (891)	1,148 (958)	1,148 (1,049)
		inch	33-29/32 (30-7/8)	33-29/32 (35-3/32)	45-7/32 (37-23/32)	45-7/32 (41-5/16)
	Depth	mm	364 (347)	364 (396)	383 (416)	383 (460)
		inch	14-11/32 (13-11/16)	14-11/32 (15-19/32)	15-3/32 (16-13/32)	15-3/32 (18-1/8)
Net Weight	Indoor / Outdoor	kg (lb)	8 (18) / 21 (46)	8 (18) / 28 (62)	12 (26) / 35 (77)	12 (26) / 54 (119)
Gross Weight	Indoor / Outdoor	kg (lb)	9 (20) / 23 (51)	9 (20) / 30 (66)	14 (31) / 38 (84)	14 (31) / 58 (128)
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 12.70 (1/2)	ø 12.70 (1/2)	ø 15.88 (5/8)
Pipe Extension	Chargeless Pipe Length	m	7.5	7.5	7.5	7.5
	Maximum Pipe Length	m	20	20	30	30
	Maximum Elevation Length	m	15	15	20	20
	Additional Refrigerant Gas*	g/m	10	10	15	25
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor

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

OUTDOOR UNIT



CU-PN9XKQ



CU-PN12XKQ



CU-PN18XKQ

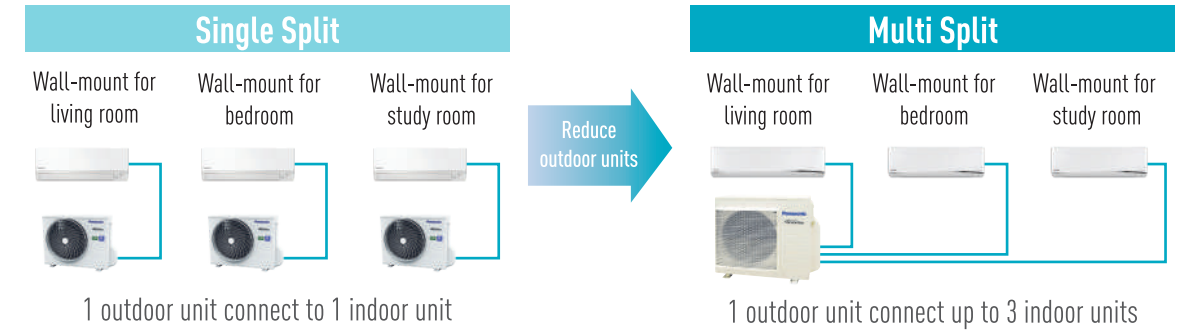


CU-PN24XKQ

Advantages Of Multi-Split Air Conditioning System

Space-Saving

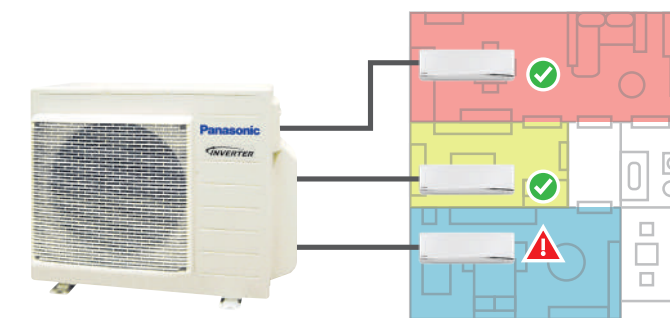
Space-saving installation with less outdoor units required



- As 1 outdoor unit is able to connect up to 3 indoor units, this provide flexible customisation according to the layout of your house.

Independent Operation Control

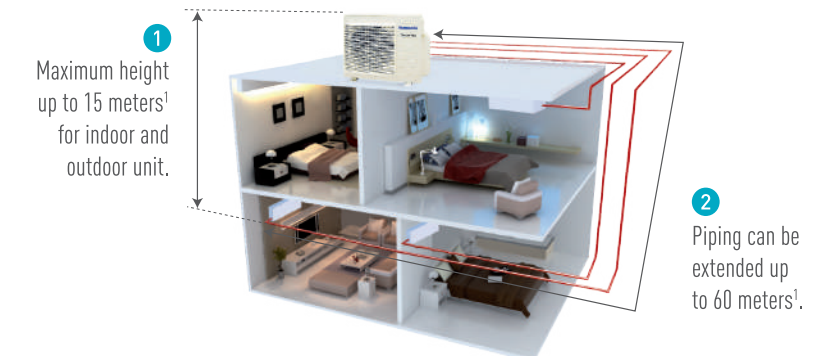
Outdoor unit connects to each indoor unit independently



- Able to adjust the operation settings for each indoor unit separately. If one indoor unit is malfunctions, other indoor units can continue to operate by provide cooling comfort to the rooms.

Flexible Installation

The multi-split system accommodates long pipelines up to 60 meters



- Flexible arrangement and installation of indoor and outdoor units based on the room condition, location and installation convenience of the site.



Compact and lightweight design to fit every building type

- The multi-split system offers greater installation versatility and space-saving choices for condominium with limited free space.



Multi-Split Air Conditioning System

Panasonic's multi-split air conditioning systems are designed to provide more space saving installation for outdoor units. A neater alternative to preserve the exterior appearance of buildings such as condominiums, single and multi-storey residences.

Outdoor

MODELS	CU-2S18PKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)
2 Rooms		Port A 2.8 or 3.2 Either unit Port B 2.8 or 3.2 Either unit

- It is possible to have a combination of wall-mounted models (CS-S9, S12TKZW) for the (CU-2S18PKZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

MODELS	CU-3S27KKZ	Indoor Units: Possible Combination Patterns (Must be within capacity range)
3 Rooms		Port A 2.8 or 3.2 or 5.0 or 6.0 Port B 2.8 or 3.2 or 5.0 or 6.0 Port C 2.8 or 3.2 or 5.0 or 6.0

- It is possible to have a combination of wall-mounted models (CS-S9, S12, S18, S24TKZW) for the (CU-3S27KKZ) Outdoor Unit Ports.
- A minimum of 2 indoor units must be connected.

¹ Applicable to CU-3S27KKZ.

Split Type Air conditioner Line-Up



CS-S9TKZW | CS-S12TKZW



Wireless (Standard)



Wireless CZ-RD514C (Optional)



Network Adaptor CZ-TACG1 (Optional)*1



CS-S18TKZW | CS-S24TKZW



Wireless (Standard)

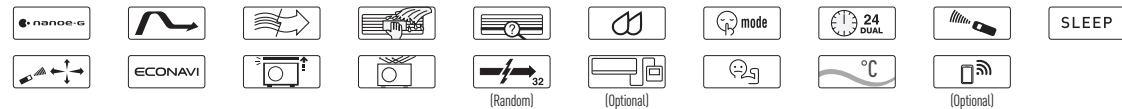


Wireless CZ-RD514C (Optional)



Network Adaptor CZ-TACG1 (Optional)*1

FEATURES



MODEL	INDOOR UNIT (60Hz)	CS-S9TKZW	CS-S12TKZW	CS-S18TKZW	CS-S24TKZW
Operation		1 unit	1 unit	1 unit	1 unit
Cooling Capacity	kJ/h	10,080	11,520	18,000	21,600
	kW	2.80	3.20	5.00	6.00
Electrical Data	Voltage	V	230	230	230
Moisture Removal	L/h	1.6	1.8	2.7	3.3
Fan Output	W	40	40	30	30
Air Circulation	m ² /min	9.8	11.0	19.3	20.3
	ft ² /min	345	390	680	715
Sound Pressure Level	Indoor (H / L)	dB (A)	40/29	44/32	47/38
	Height	mm	295	295	302
Dimensions	Width	mm	919	919	1,120
	Depth	mm	199	199	241
	Net Weight	Indoor	kg	9	9
Refrigerant Pipe Diameter	Liquid Side	mm	ø 6.35	ø 6.35	ø 6.35
	Gas Side	mm	ø 9.52	ø 9.52	ø 12.70
Power Supply		Outdoor	Outdoor	Indoor	Outdoor

MODEL	OUTDOOR UNIT (60Hz)	DUAL-SPLIT MODEL		TRIPLE-SPLIT MODEL		
		CU-2S18PKZ		CU-3S27KKZ		
Cooling Capacity	(min-max) kW	5.00 (1.50-6.00)		7.50 (2.80-9.00)		
	(min-max) kJ/h	18,000 (5,400-21,600)		27,000 (10,080-32,400)		
EER		12.86		13.11		
Electrical Data	Voltage	V		230		
	Current	A		6.4		
	Power Input (min-max)	W		1,400 (250-1,750)		
Sound Pressure Level	Outdoor (H)	dB (A)		49		
Maximum Current		A		12		
Starting Current		A		6.6		
Compressor Output		W		900		
Fan Output		W		40		
Dimensions	Height	mm		619		
	Width	mm		824 (+70)		
	Depth	mm		299		
Net Weight	Outdoor	kg		37		
Pipe Extension	Chargeless Pipe Length	m		20		
	Maximum Pipe Length	1 room	m		20	
		Total	m		30	
	Maximum Elevation Length	m		10		
	Additional Refrigerant Gas*2	g/m		15		

*1 Functionality vary depending on models.
*2 When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

Split Type Air conditioner Line-Up

INVERTER DUAL-SPLIT MODEL (CU-2S18PKZ)

Indoor Unit Combination	Total	Cooling Capacity (kJ/h)				Power Input (W)		Current (A) 230V / 60Hz	Moisture Removal L/h	
		Room A	Room B	Total	min-max	Rated	min-max			
1 Room	2.8	2.8	10,080	—	10,080	3,960-12,600	750	220-1,000	3.6	1.6
	3.2	3.2	11,520	—	11,520	3,960-14,400	920	220-1,220	4.4	1.8
2 Room	2.8 + 2.8	5.6	8,640	8,640	17,280	5,400-20,880	1,310	250-1,690	6.2	1.5 + 1.5
	2.8 + 3.2	6.0	8,280	9,720	18,000	5,400-21,240	1,490	250-1,710	7.0	1.5 + 1.6
	3.2 + 3.2	6.4	9,000	9,000	18,000	5,400-21,600	1,400	250-1,750	6.4	1.5 + 1.5

INVERTER TRIPLE-SPLIT MODEL (CU-3S27KKZ)

Indoor Unit Combination	Total	Cooling Capacity (kJ/h)				Power Input (W)		Current (A) 230V / 60Hz	Moisture Removal L/h		
		Room A	Room B	Room C	Total	min-max	Rated			min-max	
1 Room	2.8	2.8	10,080			10,080	6,120-12,240	700	380-890	3.6	1.6
	3.2	3.2	11,520			11,520	6,120-14,400	800	380-1,200	4.0	1.8
	5.0	5.0	18,000			18,000	6,840-20,880	1,460	400-1,890	7.0	2.7
	6.0	6.0	21,600			21,600	6,840-22,320	1,920	400-2,070	8.9	3.3
2 Room	2.8 + 2.8	5.6	10,080	10,080		20,160	6,120-24,120	1,750	420-2,340	8.3	1.6 + 1.6
	2.8 + 3.2	6.0	10,080	11,520		21,600	6,120-24,120	2,010	420-2,340	9.4	1.6 + 1.8
	2.8 + 5.0	7.8	9,680	17,320		27,000	9,720-28,800	2,810	530-2,980	13.1	1.6 + 2.6
	2.8 + 6.0	8.8	8,600	18,400		27,000	9,720-28,800	2,810	530-2,980	13.1	1.5 + 2.8
	3.2 + 3.2	6.4	11,520	11,520		23,040	8,280-26,640	2,290	570-3,010	10.7	1.8 + 1.8
	3.2 + 5.0	8.2	10,550	16,450		27,000	10,080-28,800	2,760	530-2,970	12.9	1.7 + 2.5
	3.2 + 6.0	9.2	9,400	17,600		27,000	10,080-28,800	2,760	530-2,970	12.9	1.6 + 2.7
	5.0 + 5.0	10.0	13,500	13,500		27,000	10,440-29,880	2,440	520-2,970	11.4	2.2 + 2.2
	5.0 + 6.0	11.0	12,280	14,720		27,000	10,440-29,880	2,440	520-2,970	11.4	2.0 + 2.3
	6.0 + 6.0	12.0	13,500	13,500		27,000	10,440-29,880	2,440	520-2,970	11.4	2.2 + 2.2
3 Room	2.8 + 2.8 + 2.8	8.4	9,000	9,000	9,000	27,000	8,640-28,440	2,740	580-2,840	12.8	1.5 + 1.5 + 1.5
	2.8 + 2.8 + 3.2	8.8	8,600	8,600	9,800	27,000	8,640-28,800	2,690	580-2,850	12.6	1.5 + 1.5 + 1.6
	2.8 + 2.8 + 5.0	10.6	7,130	7,130	12,740	27,000	10,080-31,680	2,250	600-3,010	10.5	1.3 + 1.3 + 2.0
	2.8 + 2.8 + 6.0	11.6	6,520	6,520	13,960	27,000	10,080-31,680	2,250	600-3,010	10.5	1.2 + 1.2 + 2.3
	2.8 + 3.2 + 3.2	9.2	8,200	9,400	9,400	27,000	8,640-28,800	2,690	580-2,860	12.6	1.5 + 1.6 + 1.6
	2.8 + 3.2 + 5.0	11.0	6,870	7,850	12,280	27,000	10,080-31,680	2,250	600-3,020	10.5	1.2 + 1.4 + 2.0
	2.8 + 3.2 + 6.0	12.0	6,300	7,200	13,500	27,000	10,080-31,680	2,250	600-3,020	10.5	1.1 + 1.3 + 2.2
	2.8 + 5.0 + 5.0	12.8	5,900	10,550	10,550	27,000	10,080-32,400	2,070	520-2,830	9.7	1.0 + 1.7 + 1.7
	3.2 + 3.2 + 3.2	9.6	9,000	9,000	9,000	27,000	8,640-28,800	2,650	590-2,860	12.4	1.5 + 1.5 + 1.5
	3.2 + 3.2 + 5.0	11.4	7,600	7,600	11,800	27,000	10,080-31,680	2,250	600-3,020	10.5	1.4 + 1.4 + 1.9
	3.2 + 3.2 + 6.0	12.4	6,980	6,980	13,040	27,000	10,080-31,680	2,250	600-3,020	10.5	1.3 + 1.3 + 2.1
	3.2 + 5.0 + 5.0	13.2	6,560	10,220	10,220	27,000	10,080-32,400	2,060	520-2,830	9.6	1.2 + 1.7 + 1.7

OPTIONAL ACCESSORIES

PIPE SIZE REDUCER	PIPE SIZE EXPANDER
Use at the indoor unit's connection port	Use at the outdoor unit's connection port
CZ-MA1P	CZ-MA2P
CS-S12TKZW, CS-S18TKZW	CS-S24TKZW

Window Air Conditioners with Pure Energy Savings

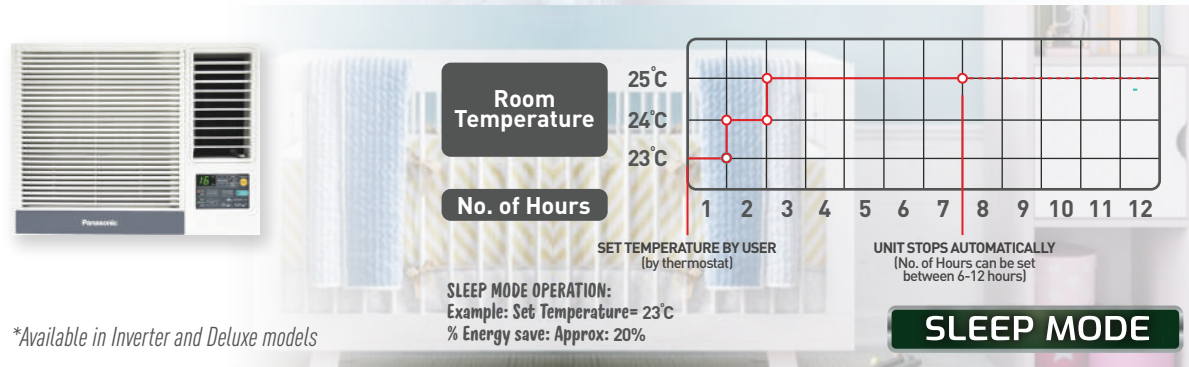
Inverter



Panasonic has Inverter technology with All DC Motor and Powerful Compressor

The All DC Motor has independent controls on each fan (indoor & outdoor) that provides better efficiency and lowers energy consumption leading to additional Pure Energy Savings.

Sleep Mode



Panasonic Window Airconditioner use Sleep Mode Function

Sleep Mode helps you to regularize the coolness of the room to your body for a more comfortable sleep

OTHER FEATURES

Mechanical Off Timer



Consume Energy Efficiently

With Panasonic's 12-hr timer function, you can control the use of your aircon to keep your energy cost within the budget

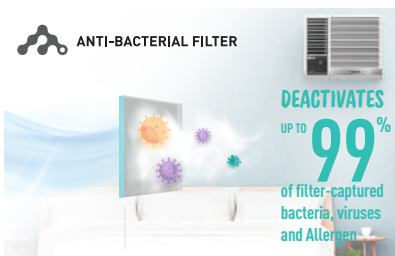
Powerful Mode



Stay Comfortable in All Day Moves

Compressor speeds up its rotation faster than the maximum speed of normal operation, giving you coolness to the max with extra cooling power.

Anti-bacterial Filter



Filters Virus And Bacteria for Assured Cleaner Air

The Anti-Bacterial Filter combines three effects in one: Anti-bacterial, Anti-virus and Anti-allergen.

*Bacteria deactivation was certified by Boken Quality Evaluation Institute. Test Report No. 10042459 and 10042459-2 Bacteria: Staphylococcus aureus NBRC 12732, Escherichia coli NBRC 3972

**Virus deactivation was certified by Osaka Prefectural Institute of Public Health Test Report No. 313360397 Virus: Influenza (H3N2) A/ Hong Kong

***Allergen deactivation was certified by Shinshu University Allergen: Cider Pollen Allergen Cry 1

XU & U SERIES: INVERTER Window Type with nanoe™ X Technology											
MODEL NO.		CW-XU1021VPH	CW-XU1221VPH	CW-XU1821EPH	CW-XU2421EPH	CW-U921JPH	CW-U1021VPH	CW-U1221VPH	CW-U1821EPH	CW-U2421EPH	
TECHNICAL DATA	UNIT										
	Cooling Capacity	hp	1.0	1.5	2.0	2.5	1.0	1.5	1.5	2.0	2.5
			10,660	12,000	18,750	23,500	10,660	10,660	12,000	18,750	23,500
			860	968	1,524	1,911	860	860	968	1,524	1,958
			12.40	12.40	12.3	12.3	12.0	12.2	12.2	12.0	12.0
			46	46	48	54	42	46	46	48	54
		230 V, 1Ø Phase - 60 Hz									
		R32	R32	R32	R32	R32	R32	R32	R32	R32	
PHYSICAL DATA											
		560 x 346 x 655	560 x 346 x 655	660 x 428 x 800	660 x 428 x 800	450 x 346 x 640	560 x 346 x 655	560 x 346 x 655	660 x 428 x 800	660 x 428 x 800	
		640 x 481 x 728	640 x 481 x 728	760 x 582 x 877	760 x 582 x 877	515 x 460 x 655	640 x 481 x 728	640 x 481 x 728	760 x 582 x 877	760 x 582 x 877	
		38	38	67	63	28	34	34	59	63	
		40	40	70	67	31	39	39	62	67	

XN SERIES: DELUXE Window Type									
MODEL NO.		CW-XN620JPH	CW-XN820JPH	CW-XN920JPH	CW-XN1020VPH	CW-XN1220VPH	CW-XN1820EPH	CW-XN2420EPH	
TECHNICAL DATA	UNIT								
	Cooling Capacity	hp	0.5	0.75	1.0	1.0	1.5	2.0	2.5
			5,500	7,420	9,500	11,000	13,000	19,100	25,500
			511	616	839	916	1,110	1,640	2,660
			10.8	12	11.3	12	11.7	11.6	9.6
			44	44	44	46	46	48	52
		230 V, 1Ø Phase - 60 Hz							
		R32	R32	R32	R32	R32	R32	R32	
PHYSICAL DATA									
		450 x 346 x 590	450 x 346 x 590	450 x 346 x 590	560 x 346 x 655	560 x 346 x 655	660 x 428 x 800	660 x 428 x 800	
		505 x 465 x 660	505 x 465 x 660	505 x 465 x 660	649 x 488 x 756	649 x 488 x 756	760 x 582 x 877	760 x 582 x 877	
		24	28	28	33	35	61	65	
		26	30	30	38	40	65	69	

MN SERIES: MECHANICAL Window Type						
MODEL NO.		CW-MN620JPH	CW-MN820JPH	CW-MN920JPH	CW-MN1220VPH	
TECHNICAL DATA	UNIT					
	Cooling Capacity	hp	0.5	0.75	1.0	1.5
			5,500	7,420	9,500	13,000
			511	616	839	1,200
			10.8	12	11.3	10.8
			44	44	44	46
		230 V, 1Ø Phase - 60 Hz				
		R32	R32	R32	R32	
PHYSICAL DATA						
		450 x 346 x 590	450 x 346 x 590	450 x 346 x 590	560 x 346 x 655	
		505 x 465 x 660	505 x 465 x 660	505 x 465 x 660	649 x 488 x 756	
		24	28	28	35	
		26	30	30	40	

N SERIES: STANDARD Window Type									
MODEL NO.		CW-N620JPH	CW-N820JPH	CW-N920JPH	CW-N1020VPH	CW-N1220VPH	CW-N1820EPH	CW-N2420EPH	
TECHNICAL DATA	UNIT								
	Cooling Capacity	hp	0.5	0.75	1.0	1.0	1.5	2.0	2.5
			5,500	7,420	9,500	11,000	13,000	19,100	25,500
			511	616	839	916	1,200	1,680	2,660
			10.8	12	11.3	12	10.8	11.4	9.6
			44	44	44	46	46	48	52
		230 V, 1Ø Phase - 60 Hz							
		R32	R32	R32	R32	R32	R32	R32	
PHYSICAL DATA									
		450 x 346 x 590	450 x 346 x 590	450 x 346 x 590	560 x 346 x 655	560 x 346 x 655	660 x 428 x 800	660 x 428 x 800	
		505 x 465 x 660	505 x 465 x 660	505 x 465 x 660	649 x 488 x 756	649 x 488 x 756	760 x 582 x 877	760 x 582 x 877	
		24	28	28	33	35	61	65	
		26	30	30	38	40	65	69	

NX Series Product Lineup

- 3-phase model newly added
- Indoor unit model name unification for better supply chain management.
- Use In-house manufactured compressor

Capacity [Btu/h (Phase)]		17,100	20,500	24,200	27,600/29,000	34,100	42,700	45,500-47,800
4-way Cassette 		S-1821PU3Q		S-2430PU3Q			S-3448PU3Q	
Adaptive Ducted 		S-1821PF3Q		S-2430PF3Q			S-3448PF3Q	
Ceiling Exposed 		S-1821PT3Q		S-2430PT3Q			S-3448PT3Q	
Outdoor 1-phase 		U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-48PR1Q6
Outdoor 3-phase		—	—	—	—	—	U-43PR1Q9	U-48PR1Q9

NEW /// 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 both cooling and heating modes 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
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nanoe™ X Effectiveness Proven in Large Space

Access to the evidence page of nanoe™ X effect

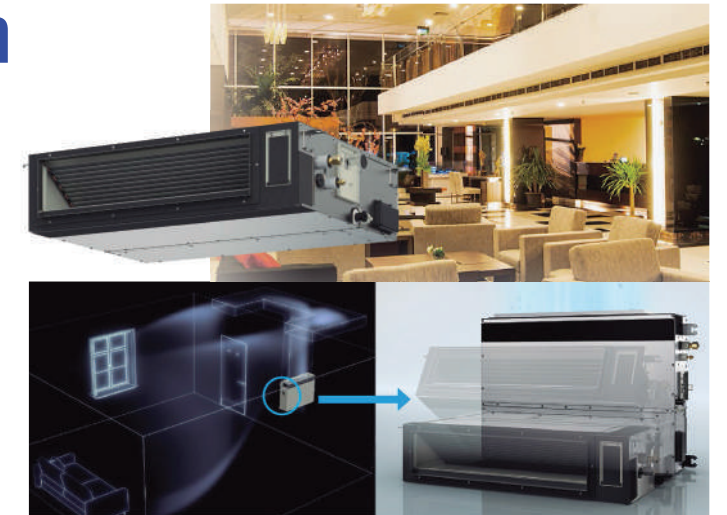
NEW ///

Flexible Installation Adaptive Ducted

New 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 a new level of flexibility in an industry-leading vertical installation.



Product information Website will be opened in November 2021

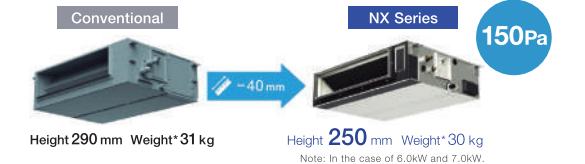


Compact Body with Powerful 150 Pa ESP

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



NEW ///

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 Website will be opened in November 2021



New CONEX Control
New smart design 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.	

Advantages of New 4-way Cassette

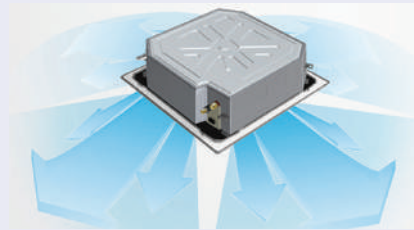
Compact, Modern & Flat Panel Design

Featuring uniform cooling, easy installation, and with a sleek exterior, this unit is the perfect match for all commercial applications.



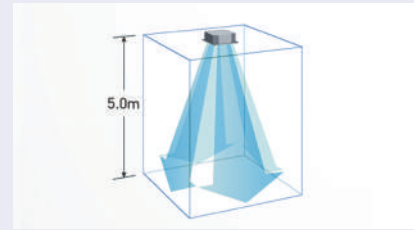
Powerful Airflow

Thanks to its compact design the Twisted 3D Blade Fan increases airflow.



360° Comfortable Airflow

Air coming out of the centre of the discharge outlets travels farther. Air is discharged across a wide area from the four sides of the unit.

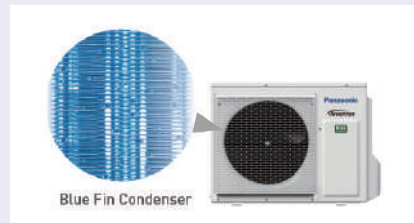


Wide Flap

A wider main flap and sub flap reduce turbulence and increase airflow. Also, a wider angle jetting port allows airflow to reach as far as five meters.

* 4-Way Cassette : 3448PU type

Advantages of 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*.

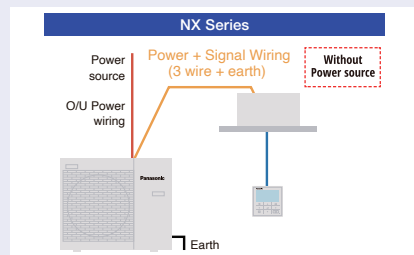
* As of September 2019. (In-house research)



Next Generation R32 Refrigerant

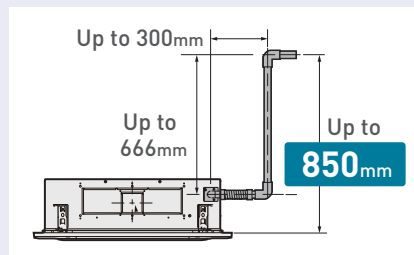
Compared to R22 and R410A, R32 has a very low potential impact on the depletion of the ozone layer and global warming.

Installation Instruction



3 Wire Method

This NX series has been developed with 3 wire method and communication.



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



NEW // Operation Temperature

New NX series are capable of working even in the most difficult ambient conditions. Operating range expanded up to outdoor air temperature of 46°C.

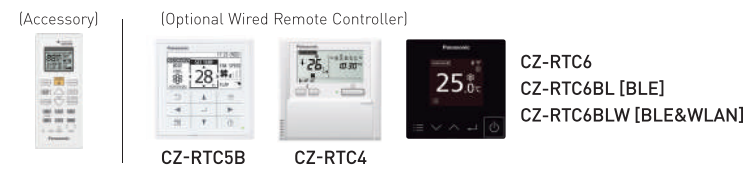
Packaged Type Air conditioner Line-Up

CEILING EXPOSED

- The slim design makes thickness only 235 mm.
- Compact Looking, Stylish, One-Motion Design.
- Comfortable, Long-Distance Airflow Distribution.



R32 REFRIGERANT



Capacity [Btu/h(Phase)]	17,100	20,500	24,200	29,000	34,100	42,700	42,700 (3)	45,500	45,500(3)
Power Source	230V, 1Ø Phase - 60Hz				230V, 3Ø Phase - 60Hz		230V, 1Ø Phase - 60Hz		400V, 3Ø Phase - 60Hz
Indoor	S-1821PT3Q	S-1821PT3Q	S-2430PT3Q	S-2430PT3Q	S-3448PT3Q	S-3448PT3Q	S-3448PT3Q	S-3448PT3Q	S-3448PT3Q
Outdoor	U-18PR1Q6	U-21PR1Q6	U-24PR1Q6	U-30PR1Q6	U-34PR1Q6	U-43PR1Q6	U-43PR1Q9	U-48PR1Q6	U-48PR1Q9
Cooling Capacity: Rated (Min-Max)	kW		Btu/h		kW		Btu/h		kW
Current: Rated (Max)	A		A		A		A		A
Power Input: Rated (Min-Max)	kW		kW		kW		kW		kW
CSPF	6.18		5.65		5.04		5.08		4.98
COP/EER	W/W		W/W		W/W		W/W		W/W
Btu/hW	12.86		10.68		11.52		10.15		10.11
Indoor Unit									
Air Volume	m³/min	15.0	15.0	21.0	21.0	35.0	35.0	35.0	35.0
	cfm	530	530	740	740	1,235	1,235	1,235	1,235
Sound Pressure Level (Hi/Lo)	dB (A)	38 / 29	38 / 29	40 / 32	40 / 32	46 / 38	46 / 38	46 / 38	46 / 38
Sound Power Level (Hi/Lo)	dB	56 / 47	56 / 47	58 / 50	58 / 50	64 / 56	64 / 56	64 / 56	64 / 56
Dimension	Indoor (HxWxD)	mm	235 x 960 x 690	235 x 960 x 690	235 x 1,275 x 690	235 x 1,275 x 690	235 x 1,590 x 690	235 x 1,590 x 690	235 x 1,590 x 690
Net Weight	Indoor	kg	26	26	34	34	40	40	40
Outdoor									
Sound Pressure Level	dB (A)	50	51	51	53	55	57	57	58
Sound Power Level	dB	69	70	70	72	74	76	76	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
Net Weight	kg	29	29	33	39	48	68	67	68
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	30
Maximum Chargeless Length	Max	m	10	10	10	30	30	30	30
Additional Gas	g/m	15	15	15	25	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.

Remote controller information

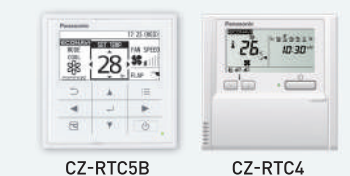
		Compatibility Table		
		CZ-RTC6BLW Built-in BLE & WLAN	CZ-RTC6BL Built-in BLE	CZ-RTC6
CONEX Type				—
App		○	○	—
		○	○	—
		○	—	—

Wireless Remote Controller

* For 4 Way Cassette & Ceiling Exposed



Wired Remote Controller



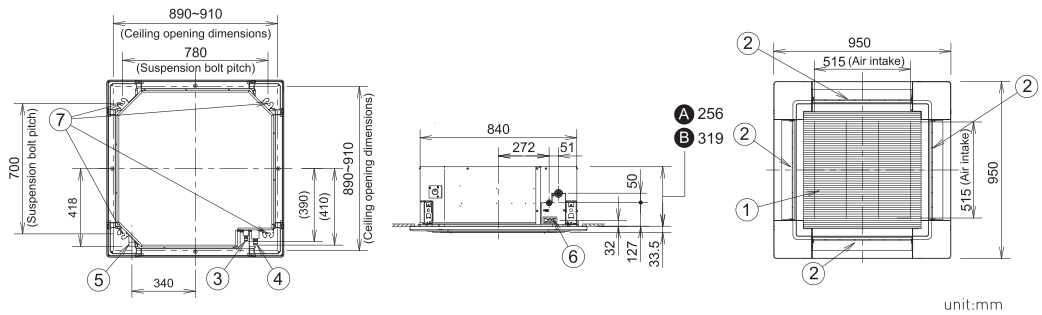
• Power supply is available only when using NX IDU
* Available as a spare part

4-WAY CASSETTE **NEW** Dimensions

- A S-1821PU3Q/S-2430PU3Q
- B S-3448PU3Q

- 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

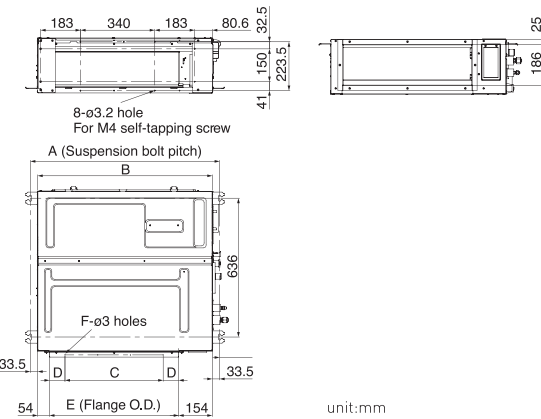


ADAPTIVE DUCTED **NEW** Dimensions

S-1821PF3Q/S-2430PF3Q/S-3448PF3Q

Detailed dimensions of indoor unit

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

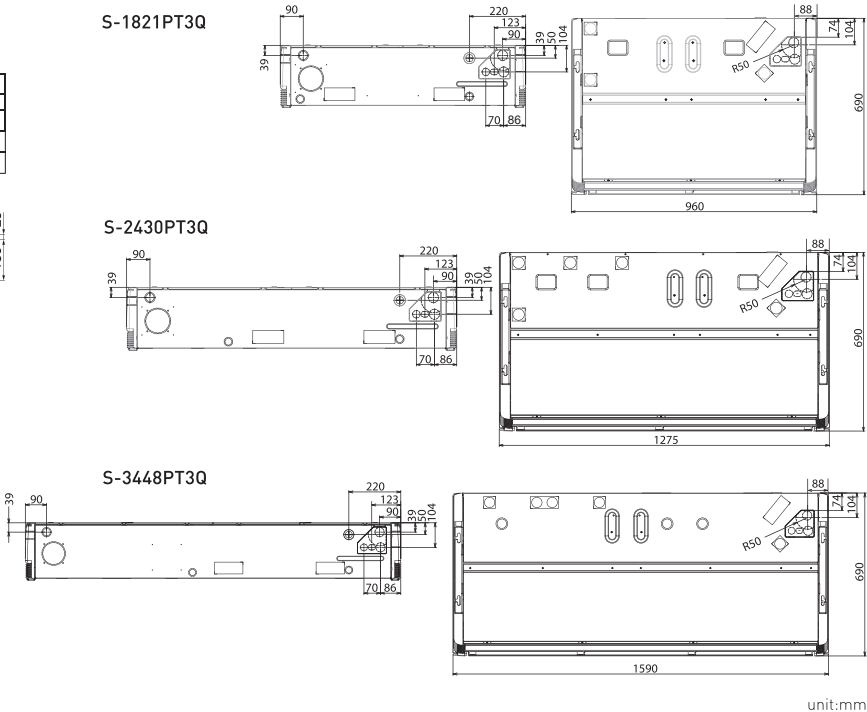


CEILING EXPOSED **NEW** Dimensions

S-1821PT3Q

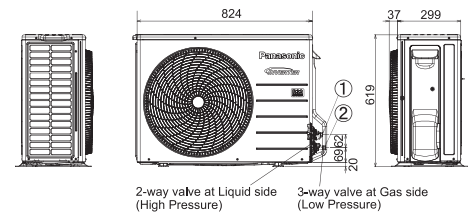
S-2430PT3Q

S-3448PT3Q



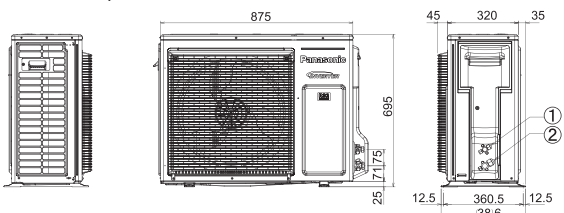
OUTDOOR UNITS **NEW** Dimensions

U-18PR1Q6/U-21PR1Q6/U-24PR1Q6



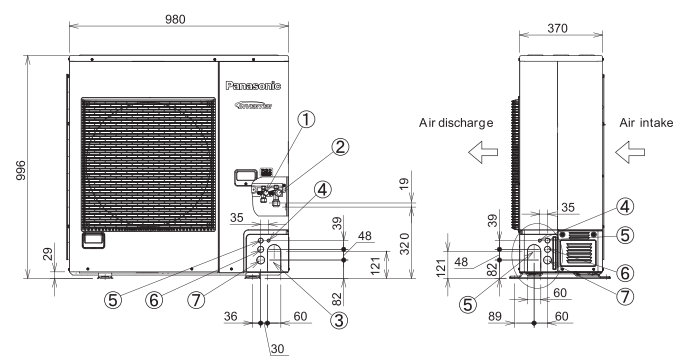
- ① Refrigerant tubing (liquid tube), flared connection (φ6.35"/9.52")
 - ② Refrigerant tubing (gas tube), flared connection (φ12.70"/15.88")
- *1 U-18/21PR1Q6
*2 U-24PR1Q6
*Mounting hole (4-R6.5), anchor bolt : M10

U-30PR1Q6/U-34PR1Q6



- ① Refrigerant tubing (liquid tube), flared connection (φ9.52)
 - ② Refrigerant tubing (gas tube), flared connection (φ15.88)
- *Mounting hole (4-R6.5), anchor bolt : M10

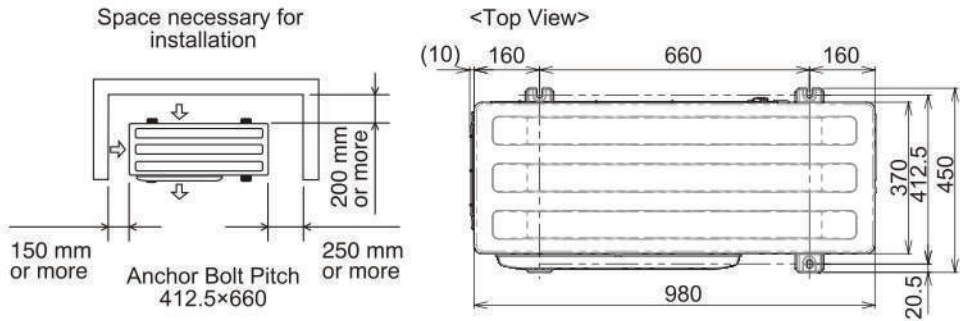
U-43PR1Q6/U-43PR1Q9/U-48PR1Q6/U-48PR1Q9



- 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

OUTDOOR UNITS DIMENSIONS

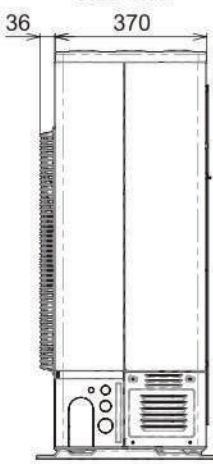
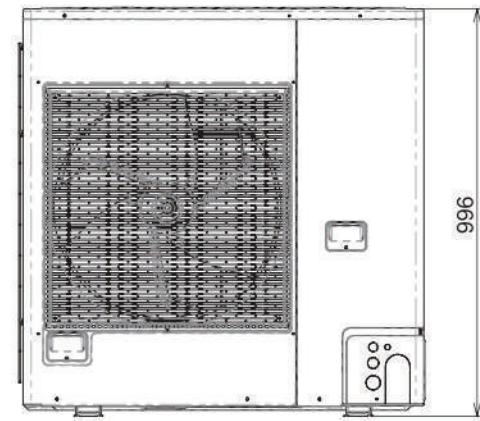
Dimensions (U-38PS2Q6 / U-43PS2Q6 / U-48PS2Q6) 1-phase



<Side View>

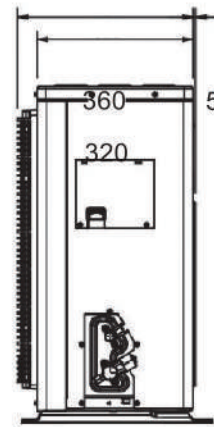
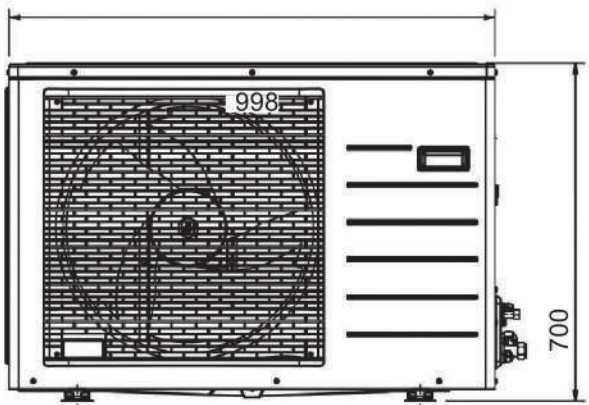
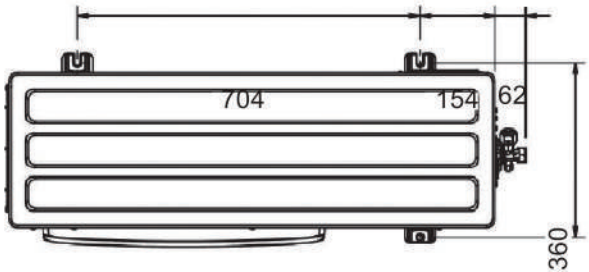
<Front View>

<Side View>



Unit:mm

Dimensions (CU-E28NFQ) 1-phase



Unit:mm

FLOOR STANDING

Wireless Remote Controller



A wireless remote controller is in the same package with the indoor unit.



CS-E28NFQ

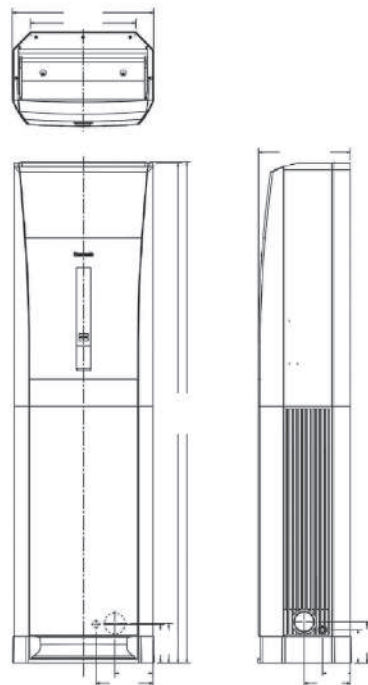
S-38PB2Q6
S-43PB2Q6
S-48PB2Q6

Capacity (Btu/h)		24600	38200	42000	48800
Power Source	V/Phase Hz	230 V, 1Ø Phase - 60 Hz			
Indoor		CS-E28NFQ	S-38PB2Q6	S-43PB2Q6	S-48PB2Q6
Outdoor		CU-E28NFQ	U-38PS2Q6	U-43PS2Q6	U-48PS2Q6
Cooling Capacity: Rated (Min-Max)	kW	7.2 [1.0-7.5]	11.2 [4.0-11.7]	12.3 [4.0-12.7]	14.3 [6.3-15.4]
	Btu/h	24,600 [3,410-25,600]	38,200 [13,700-39,900]	42,000 [13,700-43,300]	48,800 [21,500-52,600]
Heating Capacity: Rated (Min-Max)	kW	8.3 [1.0-10.35]	-	-	-
	Btu/h	28,320 [3,410-35,310]	-	-	-
Current: Rated (Max)	A	12.2 [14.8]	19.7 [24.0]	22.2 [26.0]	24.9 [28.0]
Cooling Power Input: Rated (Min-Max)	kW	2.55 [0.21-2.60]	4.08 [0.93-4.33]	4.60 [0.93-4.88]	5.15 [1.55-5.80]
Cooling Rated COP / EER	W/W	2.82	2.75	2.67	2.78
	Btu/hW	9.64	9.36	9.13	9.48
Indoor Unit					
Cooling Air Volume (Air Circulation) (Hi)	m ³ /min	16	32	32	32
Cooling Sound Pressure Level (Hi/Lo)	dB (A)	43 / 33	53 / 44	53 / 44	53 / 44
Cooling Sound Power Level (Hi/Lo)	-	-	68 / 59	68 / 59	68 / 59
Dimension	Indoor (HxWxD)	mm 1,880 x 540 x 357	1,880 x 600 x 350	1,880 x 600 x 350	1,880 x 600 x 350
Net Weight	kg	37	51	51	51
Outdoor Unit					
Sound Pressure Level	dB (A)	51	54	55	56
Sound Power Level	dB	-	68	69	70
Dimension	Outdoor (HxWxD)	mm 700 x 998 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net Weight	kg	46	72	74	81
Piping Connection	Gas Pipe	mm (inch) 12.70 [1/2]	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Liquid Pipe	mm (inch) 6.35 [1/4]	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Pipe Length	Min-Max	m 3-15	7.5-50	7.5-50	7.5-50
Elevation Difference	m	10	30	30	30
Maximum Chargeless Length	Max	m 7	30	30	30
Additional Gas	g/m	20	50	50	50
Operating Range, Outdoor	Min-Max	°C 16-43	16-43	16-43	16-43

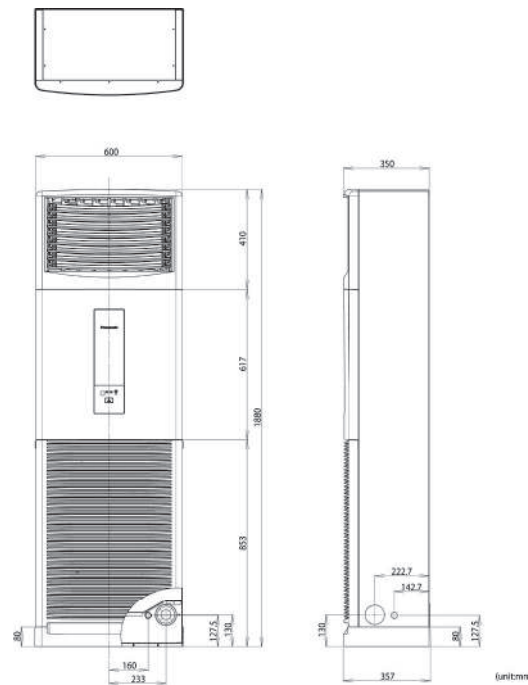
* Specifications are subject to change without notice. Please refer to technical documents for more details.
* The sound pressure level is measured in accordance with JIS C 9612 and JIS B 8616.

Dimensions

Dimensions (CS-E28NFQ)



Dimensions (S-38PB2Q6 / S-43PB2Q6 / S-48PB2Q6)



Product Lineup

2-WAY FSV-EX ME2 Series

Extraordinary energy-saving performance and powerful operation



Space-saving Combination Model

Cooling or Heating Type **Hi-Durability Model**

- Wide range of systems from 8HP to 80HP
- Class-leading EER of 5.3 (for 8HP model)
- Industry-leading low noise of 53.0 DB (8HP model)
- Cooling operation possible with outdoor temperature as high as 52°C (DB)
- Long maximum pipe length (up to 1,000 m)
- Up to 64 indoor units connectable
- External static pressure of 80 Pa
- Extended operating range allows heating with outdoor temperatures as low as -25°C (WB)
- Suitable for R22 refurbishing projects **RENEWAL R22**



High Efficiency Combination Model

Cooling or Heating Type **Hi-Durability Model**

- Wide range of systems from 8HP to 64HP
- Class-leading EER of 5.3 (for 8HP model)
- Higher EER than the Space-saving Combination Model e.g., a combination of two 10HP units delivering 20HP reduces compressor load.
- Suitable for R22 refurbishing projects **RENEWAL R22**

2-WAY Mini-FSV LE2/LE1 Series

For small-scale commercial and residential use



LE2 (3-phase)

Cooling or Heating Type 1/3-phase **4/5/6 HP**

- High external static pressure 35Pa
- Wide operation range: Cooling: -10°C to 46°C DB, Heating at: -20°C to 18°C WB
- Refrigerant chargeless up to 50m
- Extraordinary energy saving: 5.08 EER for 4HP model
- Suitable for R22 renewal projects **RENEWAL R22**
- Maximum number of connectable indoor units : 9*
* 6 HP only; 4 HP for 7 units, 5 HP for 8 units.



LE1

Cooling or Heating Type 3-phase **8/10 HP**

- High external static pressure 35Pa
- Wide operation range: Cooling: -10°C to 46°C DB, Heating at: -20°C to 18°C DB
- Actual piping length: 150m (Total piping length: 300m)
- System difference of elevation: 50m /40m (outdoor above/below)
- Difference in elevation between indoor units: 15m
- Suitable for R22 renewal projects **RENEWAL R22**
- Maximum number of connectable indoor units : 13

VRF Smart Connectivity+

VRF Smart Connectivity+ offers efficient energy management and a new air conditioning control solution with high IAQ.

Energy Management System for Rooms

Sensing & Control technology
Detecting a room's temperature, humidity and CO2 concentration, ZigBee remote sensors detect the opening/closing of windows and doors, and the presence/absence of people in a room. Various IAQ controls and detailed energy savings are possible by using Interface box* based on this detected information.

Schneider Electric smart controller SE8000

- Dramatic Reduction of OpEx with Outstanding IAQ.
- User-/Owner-friendly.
- Ultimate Customisation.
- Easy Design and Plug and Play Reducing CapEx.

* Product availability may vary by sales area. Please consult with an authorized Panasonic distributor.

Management System for the Entire Building

Plug and Play BMS connection
With the SE8000, connection to BMS is extremely easy better still, a remote controller is all that's needed to enable use as a stand-alone system. In addition to dramatically reducing the burden on system integrators, this cuts costs.

A SE8000 smart controller with direct hub to ZigBee Pro sensors
B BACnet MSTP or Modbus RTU direct connection can be assigned a device address by room scale.
C For Schneider Electric BMS connection, Panasonic VRF widgets enable easy Plug and Play

VRF System Air Conditioners

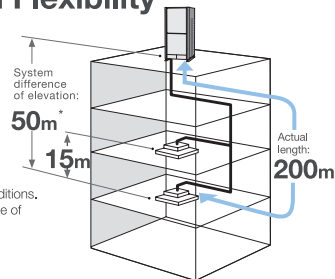
Designed for energy-savings, high efficiency, and high durability

Flexible Installation (FSV-EX ME2 Series)

Increased Piping Length for Greater Design Flexibility

The ME2 Series supports greater distances between indoor units and outdoor units, making it adaptable to buildings of various types and sizes.

*1: 40 m if the outdoor unit is below the indoor unit.
*Elevation difference of Max. 90m in case of ODU is higher than IDU may be allowed following certain conditions.
Please consult with Panasonic sales engineers in case of piping elevation of over 50m is required.



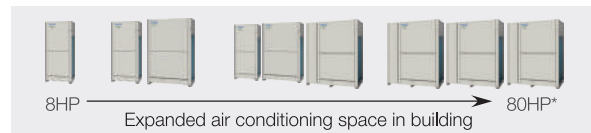
Max. total length: 1,000m

Single Outdoor Units Combine to Expand Capacity up to 80HP

Designed to be durable enough to withstand extreme heat, FSV EX ensures reliable cooling operation over an extended operation range up to 52°C.



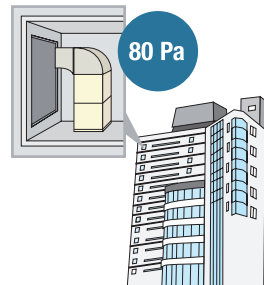
From 8HP up to 80HP*



*High efficiency combination model provides capacity up to 64HP.

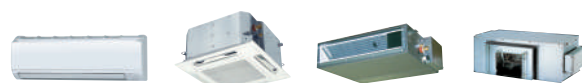
High External Static Pressure On Condensers

With a newly designed fan, fan guard, motor, and casing, new models can be custom-installed on-site to provide up to 80 Pa of external static pressure. An air discharge duct prevents shortages of air circulation, allowing outdoor units to be installed on every floor of a building.



Up to 64* Indoor Units can be connected

Flexibility in piping makes it easier to design air conditioning systems for locations such as train stations, airports, schools, and hospitals



Up to 64* indoor units can be connected



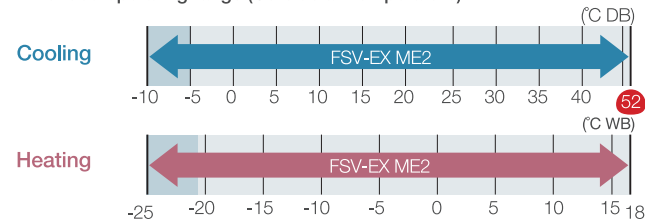
*Maximum number of indoor units depends on outdoor unit capacity.

High Efficiency (FSV-EX ME2 Series)

High Reliability Even Under High Temperature Conditions

Designed to be durable enough to withstand extreme heat, FSV EX ensures reliable cooling operation over an extended operation range up to 52°C.

Extended operating range (Outside air temperature)



Advanced Control Solutions

OPERATION SYSTEM	INDIVIDUAL CONTROL SYSTEMS				TIMER OPERATION	CENTRALISED CONTROL SYSTEMS			BMS System PC Base	Connection with 3rd Party Controller
Requirements	Simplified high-spec operation	High-spec operation	Normal operation	Operation from anywhere in the room	Daily and weekly program	Operation with various functions from a central location	Only ON/OFF operation from a central location	Simplified load distribution ratio (LDR) for each tenant	10.4 in. touch screen panel color LCD	
External appearance										
Type, model name	Simplified high-spec Wired Remote Controller CZ-RTCB CZ-RTCBLL	High-spec Wired Remote Controller CZ-RTCSB	Timer Remote Controller (Wired) CZ-RTC4	Wireless Remote Controller Receiver: CZ-RWS3 CZ-RWRL3 CZ-RWRD3 CZ-RWRT3 CZ-RWRCS3	Schedule Timer CZ-ESWC2	System Controller CZ-64ESMC3	ON/OFF Controller CZ-ANC3	Intelligent Controller CZ-256ESMC3 (CZ-CFUNC2)		
Built-in thermostat	●	●	●	—	—	—	—	—	—	—
ECONAVI ON/OFF control	●	●	●	●	—	●	—	●	—	—
Number of indoor units which can be controlled	1 group, 8 units	1 group, 8 units	1 group, 8 units	1 group, 8 units	64 groups, max. 64 units	64 groups, max. 64 units	16 groups, max. 64 units	64 units x 16 systems, max. 256 units		

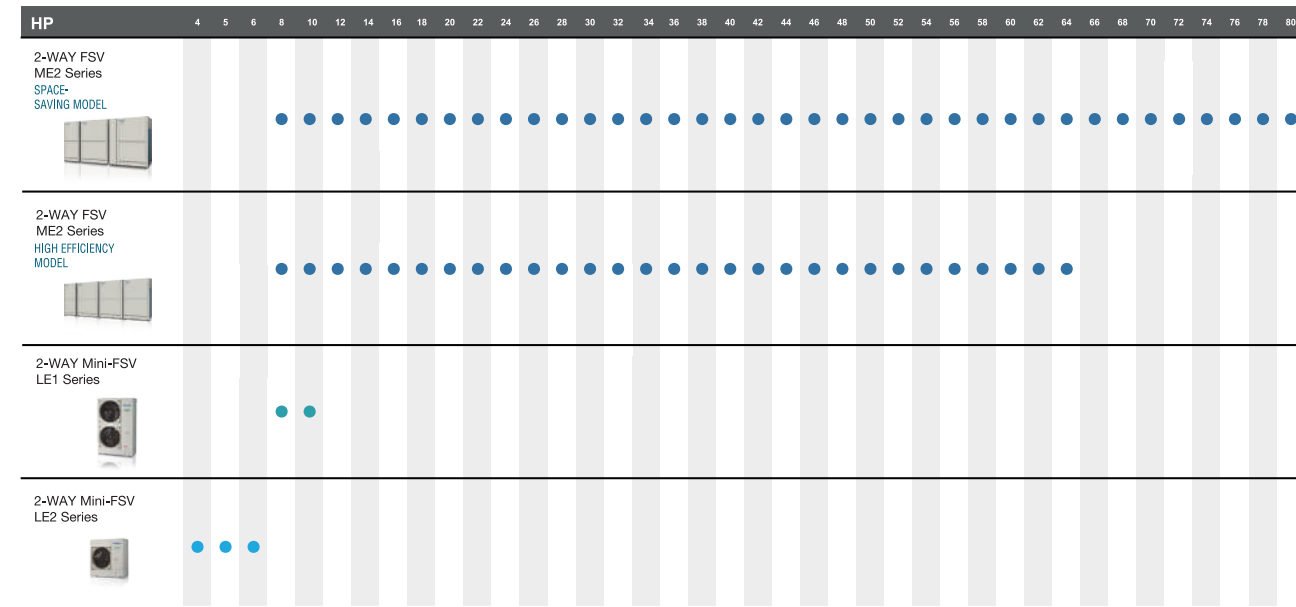
FSV Indoor Unit Lineup

Type	Class Capacity kW BTU/h	22	28	36	45	56	60	73	90	106	140	160	180	224	280
		Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
NEW F3 type Mid Static Adaptive Ducted	nanoeX	●	●	●	●	●	●	●	●	●	●	●			
F2 type Mid Static Ducted		●	●	●	●	●	●	●	●	●	●	●			
M1 type Slim Low Static Ducted		●	●	●	●	●									
Z1 type Slim Low Static Ducted Twenty Series		●	●	●	●	●	●	●							
E2 type High Static Ducted / Energy Saving High-Fresh Air Ducted													●	●	●
E1 type High Static Ducted														●	
K2 type Wall Mounted		●	●	●	●	●									
NEW U2 type 4-Way Cassette	nanoeX	●	●	●	●	●	●	●	●	●	●	●			
Y2 type 4-Way Mini Cassette		●	●	●	●	●									
L1 type 2-Way Cassette		●	●	●	●	●									
D1 type 1-Way Cassette			●	●	●	●									
T2 type Ceiling				●	●	●									
P1 type Floor Standing		●	●	●	●	●									
R1 type Concealed Floor Standing		●	●	●	●	●									

*High fresh air system is not allowed for 18kW model.

**Only for CZ-KPU3A

FSV Outdoor Unit Lineup



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