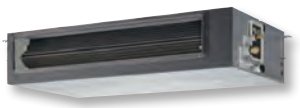
Panasonic

RESIDENTIAL HEAT PUMP SOLUTIONS CATALOG
(R410A REFRIGERANT)

SINGLE ZONE AND MULTI-ZONE



nanoe™X

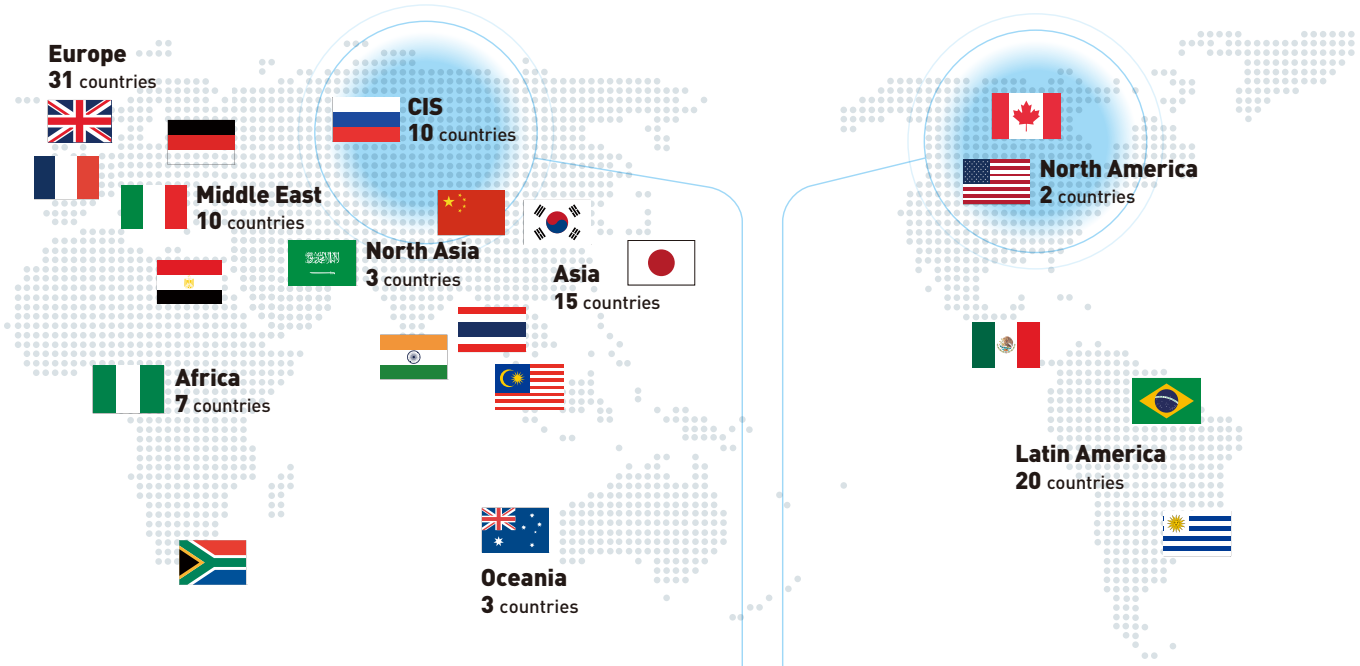
INVERTER

2024/2025 RESIDENTIAL HEAT PUMP LINE UP (R410A REFRIGERANT)

Panasonic has produced over 100 million* air conditioning and heat pump units worldwide

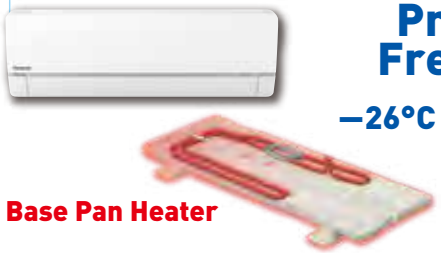
Global Brand

Our global brand serves over 100 counties in all climate zones around the world.



Our air conditioner designs consider local climate characteristics and are used in a wide range of extreme hot to extreme cold regions and countries.

Extreme COLD
Siberia
−25°C (−13°F)



Prevent Freezing
−26°C (−15°F)

Outdoor units are affected by extreme weather conditions which also affects the units performance.
In extreme cold climate and heavy snow fall conditions it is necessary to protect the outdoor unit from freezing.
Panasonic has developed special knowledge and technology for cold climate regions including Siberia and North America.

Panasonic can be characterized as a global pioneer in extreme cold climate heat pump design and installations.

* As of the end of 2014 (According to our research)

Our Evolution

Forever and ever.

1958

Our first home cooler is launched.
A window-type.

1965

Launched indoor and outdoor separate-type.

1969

Launched wall mounted indoor unit with outdoor unit separated.

1972

Launched heat & cool air conditioner.
Launched Heat Pump mini split making heating & cooling possible year-round.

1981

Launched low ambient heat pump units that provide heat in extreme cold climates.

1983

Launched inverter air conditioner.

2008

First model equipped human sensor launched.

2010

First model equipped ECONAVI launched.

2014

XE series –26°C (–15°F) heat operation.

2020

ClimaPure XE series with nanoe™ X Indoor Air Purification.

Index

Experience a fresher and more comfortable indoor environment

nanoe™ X

5 effects of nanoe™ X air purification technology

Deodorizes
- Odours

Inhibits 3 pollutants*
- Allergens
- Pollen
- Hazardous substances

Moisturizes
- Skin & hair

*nanoe™ X reduces the concentration of select pollutants, allergens, pollen, PM2.5, and odours but does not prevent them.

What is nanoe™ X ?

nano-technology + electric =

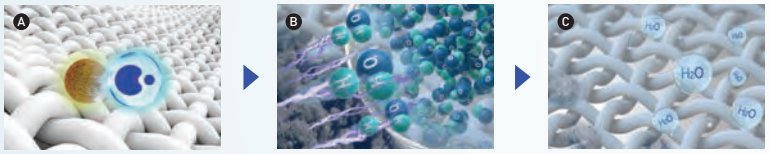
nanoe™ X is nano-sized electrostatic atomized water particles that are rich in OH radicals.

nanoe™ X is the next generation of nanoe™ technology and is generated from moisture in the air that contains highly reactive components known as hydroxyl (OH) radicals, which are effective at suppressing pollutants and odours.

4.8 trillion OH radicals / sec

How nanoe™ X works?

Deodorizes Odours

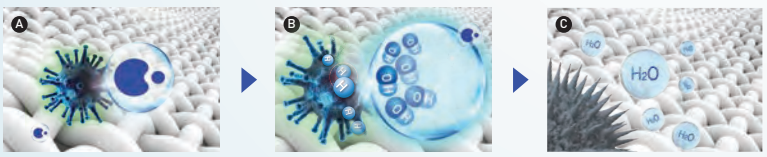


A nanoe™ X reaches odour in fabric

B OH radicals break down odour-causing substances

C Deodorizes smells in fabric

Inhibits Airborne and Adhered Pollutants

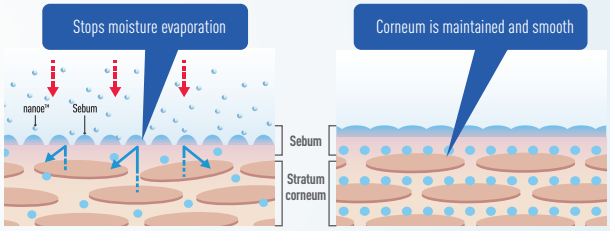


A nanoe™ X reaches pollutants in fabrics

B OH radicals take hydrogen away from pollutants

C OH radicals transform hydrogen to inhibit the activity of pollutants

Helps maintain skin moisture



Using existing moisture already in the air, nanoe™ X hydrates the sebum (produced by sebaceous glands to lubricate the skin) on the skin to help prevent loss of moisture.

[28 days later] Leads to smoother, well hydrated skin.*

*Test Laboratory: FCG Research Institute Inc. Report no. 19104

nanoe™ X inhibits both airborne and adhered pollutants and odours in the home

Keeps the living room fresh and inviting

The smell of unpleasant odours tends to permeate furniture and curtains over time. nanoe™ X inhibits odours, leaving the air in your living room fresh and inviting.

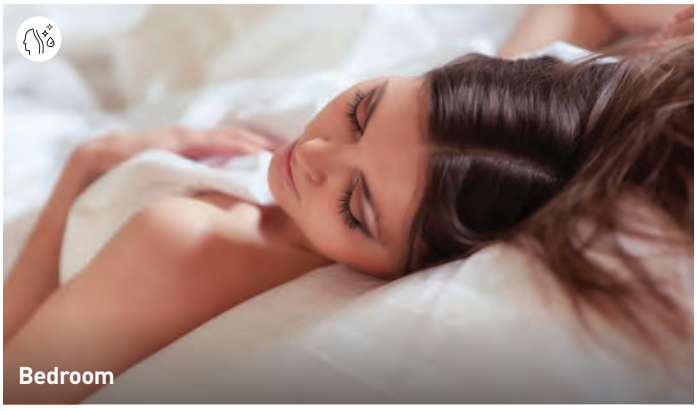
Makes homes more comfortable for families with pets

Mites and dander from pets are a major cause of allergies in the home. nanoe™ X not only effectively inhibits these allergens but also eliminate many odours that permeate mattresses, blankets and more.

Inhibits harmful substances in PM2.5 brought in from outside

Harmful substances in PM2.5 and pollen that are thought to cause asthma, bronchitis and other health issues tend to cling to your clothing and hair when you come in from outside. nanoe™ X breaks down and inhibit these substances.

Moisturizes skin and hair for a little extra self-care



nanoe™ X helps keep your hair and skin moisturized while you sleep or spend time with your family. nanoe™ X hydrates the sebum on the skin to prevent the loss of moisture.

24-hour nanoeX Air Purification

INTERTEK SUSTAINABILITY

VERIFIED ZERO OZONE

DOES NOT EMIT MORE THAN 0.005PPM AS TESTED PER UL 867

Ozone concentration during the nanoe™ X generating mode has been verified by California Air Resources Board (CARB) and INTERTEK respectively per authorized testing standards.

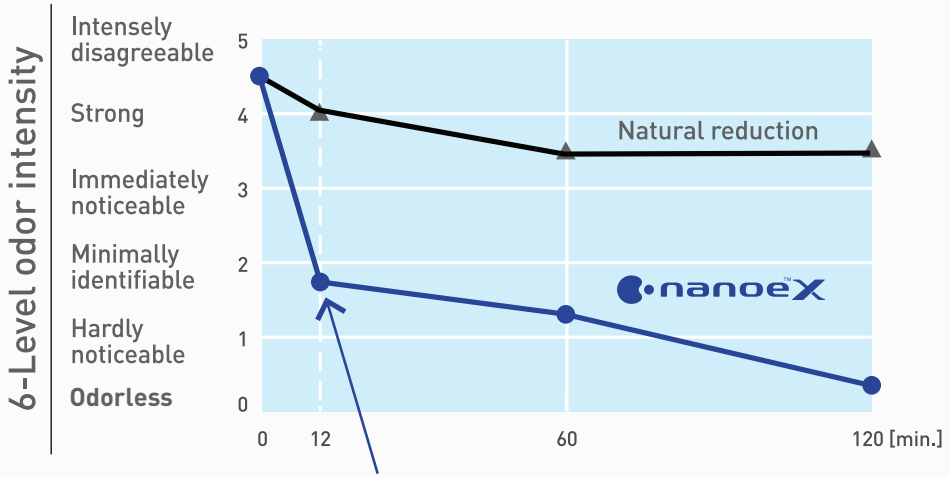
- Standard value of California Air Resources Board (CARB): 0.05ppm or lower
- Standard value of INTERTEK "Verified Zero Ozone": 0.005ppm or lower

Panasonic's Advanced Air Purification System

Panasonic's nanoe™ Technology is a revolutionary air purification system that helps keep your living space fresh and clean for you and your family.

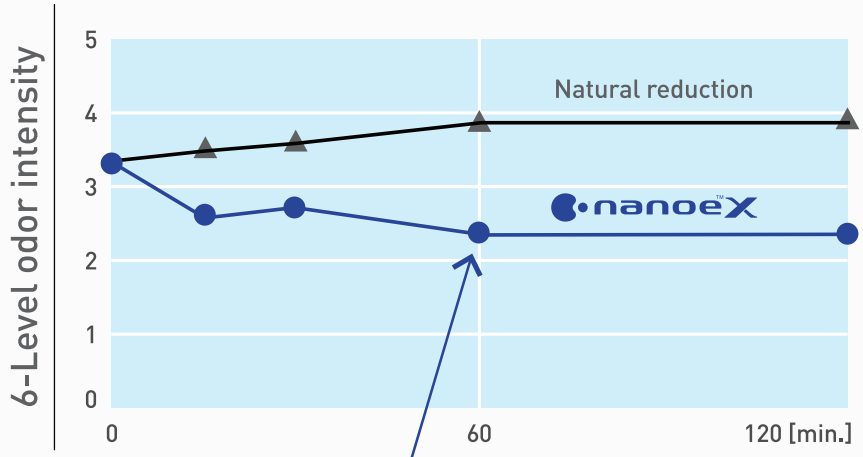
The Effectiveness of nanoe™ X Technology

Cigarette smoke odor[1]



nanoe™ X can reduce cigarette smoke odor intensity by 2.4 levels in 12 minutes.

Pet odor[2]



nanoe™ X reduced pet odor intensity by 1.5 levels in 1 hour

*nanoe™ X reduces the concentration of select pollutants, mold, allergens, pollen, PM2.5, and odors and the growth of certain viruses and bacteria, but does not prevent them.

[1] <Cigarette smoke odor> [Test org.] Panasonic Product Analysis Center [Test method] Verified using the six-level odor intensity scale method in an approximately 23m³ sized test room [Deodorization method] nanoe™ released [Test substance] Surface-attached cigarette smoke odor [Test result] Odor intensity reduced by 2.4 levels in 12mins (4AA33-160615-N04)

[2] <Pet odor> [Test org.] Panasonic Product Analysis Center [Test method] Verified using the six-level odor intensity scale method in an approximately 23m³ sized test room [Deodorization method] nanoe™ released [Test substance] Surface-attached pet odor [Test result] Odor intensity reduced by 1.5 levels in 1 hour (4AA33-160315-A34)

Panasonic Comfort Cloud: Built-in Wi-Fi control with convenient centralized control

Advanced smartphone control for ClimaPure XE series

Control air source heat pump operation with Panasonic Comfort Cloud App plus additional functions only available through the Cloud from wherever and whenever. Also, energy monitoring is possible allowing opportunity to learn how to reduce the operating cost even more.

1 Smart Control

In control of cooling and heating comfort anytime, anywhere.

Connect & control operation
- 20 units per location and up to 10 different locations.
- Transform multiple remote controls into one device.

Manage multiple units at once
- Turn on all AC units at the same time or by group settings.
- Set weekly timers for multiple units to cater to your daily routines.

2 Smart Comfort

Easily manage your comfort and air quality.

Adjust set temperature
Set temperature by monitoring real time indoor and outdoor temperatures.

Pre-heat or cool.
Control your house or office comfort before you arrive!

nanoe™ X[1]
Activate nanoe™ X, the advanced technology to deodorize and create healthier environment.

3 Smart Efficiency

More comfort with less wasted energy.

Energy usage analysis[2]
Monitor energy consumption based on different temperature settings.

Energy usage comparison (day/month/year)
Compare energy usage history of AC units for better budget planning.

4 Smart Assist

Be informed of breakdowns.

Error codes notification and identification[3]
Launch the App to check error codes for effortless troubleshooting. Help technicians to easily identify the issues.

User's control right
Register multiple users. Set administrator rights and assign users access.

1) nanoe™ X is available in certain series.
2) Estimated energy consumption data accuracy depends on power supply quantity. For Multi-Zone, the same energy consumption value is displayed for all indoor units.
3) Contact trained technicians to perform any repairing/service.

Easily control and access features of remote control anytime, anywhere.

Panasonic

Search for Panasonic Comfort Cloud in App Store and Google Play

New possibilities, new applications

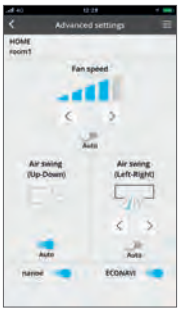
Families: Different users can be set up, such as each child can manage their own room. In second homes, rooms can be remotely pre-cooled or pre-warmed, or turned off if needed.

Multi tenant owner: The ability to manage up to 200 units with just one smartphone. It allows for quick and efficient maintenance through remote error codes and the knowledge of consumption.

Small and medium sized offices: Owner can control different rooms of the office easily and give unit by unit access to their staff. Also provides information to know where energy might be wasted for heating and cooling and promoting best comfort practices.

Smart control at your fingertips

With Panasonic Comfort Cloud App, the user can manage functions of the heat pump such as nanoe™ X, air flow direction, speed, temperature setting, mode, plus more.



Scalability and users management

Easy to include additional units and locations, as well as the ability to include several users with different access rights. This creates more possibilities to manage the family home, a second house and also provides opportunities for small/medium sized offices or multi-tenant properties.

Energy monitor and statistics

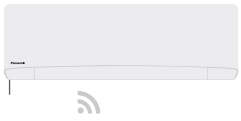
Knowing the energy each unit uses when operating is key to see opportunities to reduce the energy bill. The Panasonic Comfort Cloud App stores the energy consumption* of each unit, which can then be shown in easy and powerful statistics graphs.

With the weekly timer the operation can be adjusted to optimize the usage of the energy.

*Estimated energy consumption data accuracy depends on power supply quality. For Multi-Zone, the same energy consumption value is displayed for all indoor units.

Connection Diagram to Panasonic Comfort Cloud App

Indoor Unit



Network

Panasonic Built-in WLAN module.

Other hardware requirements (purchase and subscribe separately).

Panasonic Cloud Server is designed, operated and managed by Panasonic.

Free App Download

Panasonic

Search: "Panasonic Comfort Cloud"

Compatibility with ClimaPure XE models

New voice control:
Words do more than actions

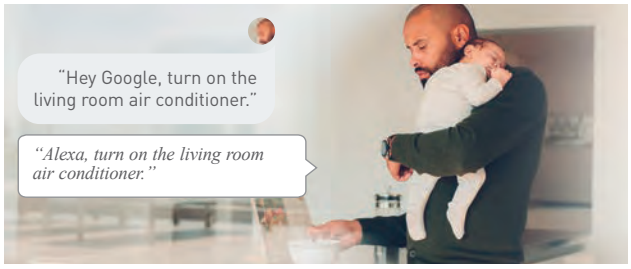
Operate the air with your voice

Enjoy the convenience of accessing these four basic operations with just your voice.*

*Functionality is available for ClimaPure™ CS-XE*WKUA model series. See na.panasonic.com/ca/hvac.

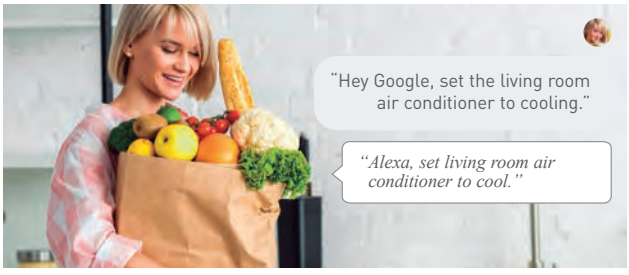
1 Turn on/off air conditioner

Convenient control for blissful rest.
Turn on/off AC with ease when preparing a comfortable space for your little ones.



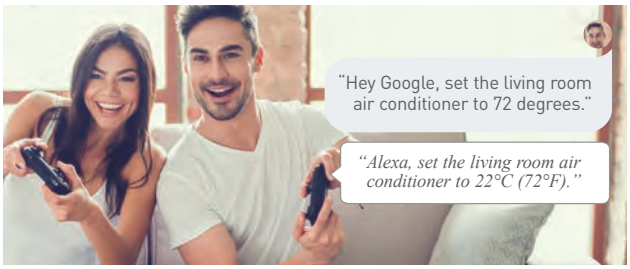
2 Change mode

Extra help when you have a hectic day.
Conveniently change your AC operation mode to cool / heat / auto when your hands are full.



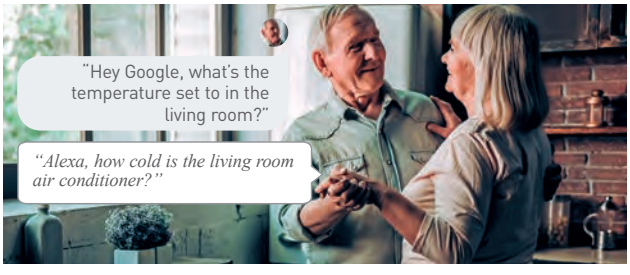
3 Adjust temperature

Easy control for uninterrupted quality time.
Adjust AC temperature to your comfort with a simple voice command.



4 Check current status

Hands-free comfort for the whole family.
Easy access for the elderly to check current AC operation status and adjust AC settings.



Control without boundaries and get hands-free help to fully access the features of your air conditioners. Maximising your cooling comfort is now a breeze with our Network-Enabled air conditioners with Panasonic Comfort Cloud App and voice control.

Get multiple things done with your voice

Simplify your day with your personalized routine by grouping individual actions.

Create routines using your voice with a Google Assistant-enabled device

When you create Routines, you and members of your home can get help from Google Assistant with tasks throughout the day. Use your voice with a Google Assistant-enabled device to control your network-enabled air conditioners and other compatible smart home devices throughout your home.

"Hey Google, Good morning"

"Hey Google, Good night"

Voice control with Network-Enabled air conditioners

Functions		When you are home		When away from home
		Remote Control	Voice Control	Panasonic Comfort Cloud App
Smart control	Power ON/OFF	✔	✔	✔
	Control multiple AC units in 1 location	–	–	✔
	Control multiple units in multiple locations	–	–	✔
	Set up and manage routines	–	✔	–
Smart comfort	Cooling mode	✔	✔	✔
	Heating mode	✔	✔	✔
	Auto mode	✔	✔	✔
	nanoe™ X mode	✔	–	✔
	Pre-cool	–	–	✔
	Change temperature	✔	✔	✔
Smart efficiency	Analyse energy usage patterns	–	–	✔
	Compare historical usage	–	–	✔
Smart assist	Receive error notifications	–	–	✔
	Assign multiple users		✔	✔
	Check power ON/OFF	✔	✔	✔
	Check current mode	✔	✔	✔
	Check temperature settings	✔	✔	✔
	Check room temperature	✔	✔	✔

How to setup

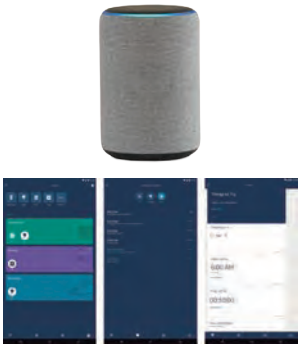
To sync with your voice assistant, first the AC unit has to be registered in Panasonic Comfort Cloud App.

How to sync Panasonic Comfort Cloud App with the Google Home.

1. Open the Google Home App.
2. Tap "Devices".
3. Select "Works with Google Home".
4. Search for Panasonic Comfort Cloud App and select it.
5. Sign in to the Comfort Cloud App using your Panasonic ID or Apple/Google account.

How to sync Panasonic Comfort Cloud App with the Amazon Alexa.

1. Open the Panasonic Comfort Cloud app.
2. Select "Menu".
3. Tap "Amazon Alexa" and select "Link".



Compatible device and browsers as of August 2024

1. Android: 8.1 or above
2. iOS: 14.7 or above

Please note:

- This is not a definitive list of all compatible devices, other similar devices which use supported Operating Systems should also work either via dedicated Apps. Please note that user experience may vary slightly depending on hardware and software combination.
- Google, Android, Google Play, Google Home and Google Nest Mini are trademarks of Google LLC.
- Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.
- Availability of Voice Assistant services varies depending on country and language.

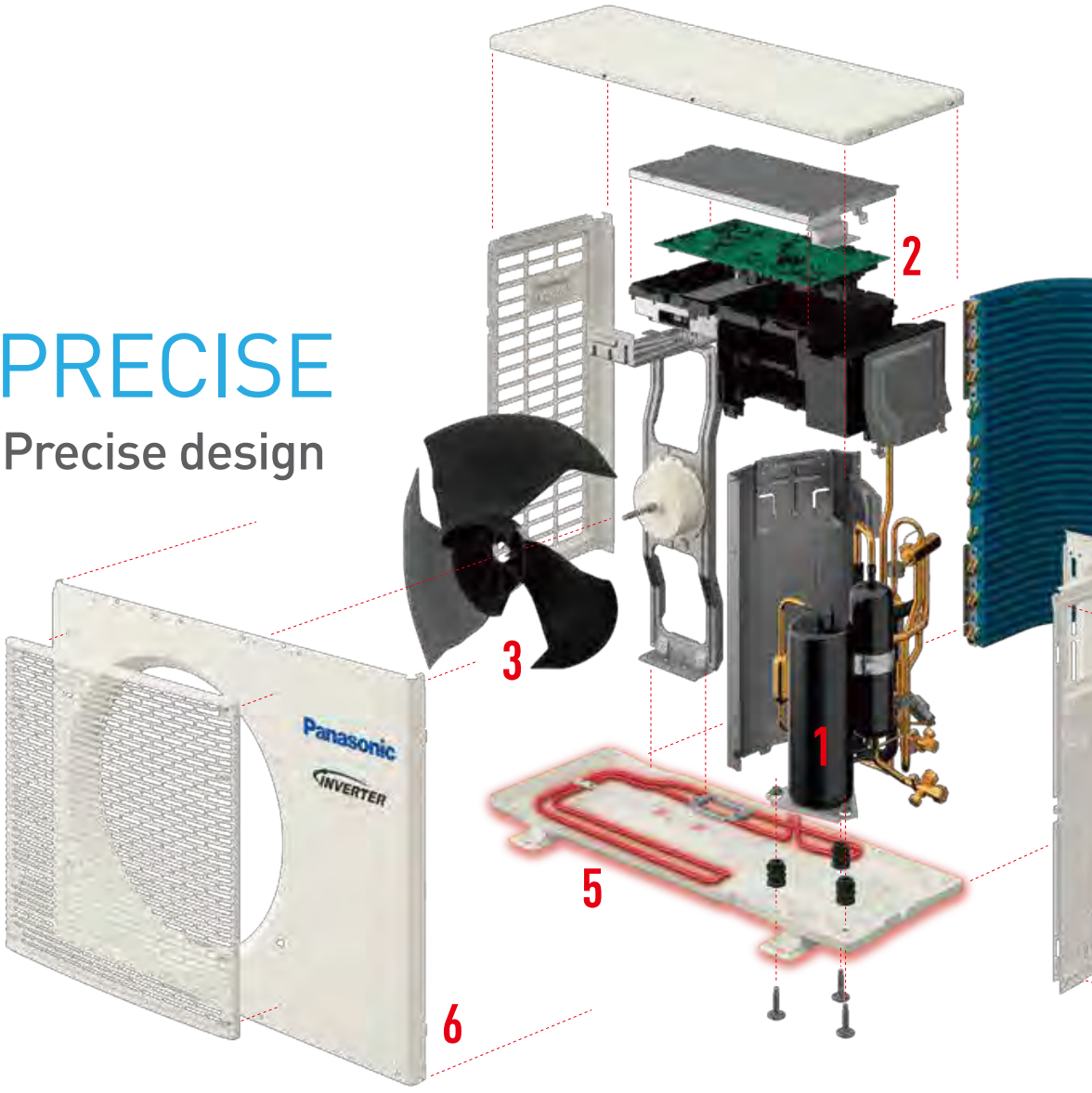
Download on the App Store

GET IT ON Google Play

Rugged design that continues to provide heating even in cold climate of -26°C (-15°F)

PRECISE

Precise design



Components arranged in an orderly manner are proof of high-precision and careful finishing. The compressor, which is the heart of the air conditioner, is wrapped in insulation to provide soundproofing and reduce condensation.

1 High-Efficiency Compressor

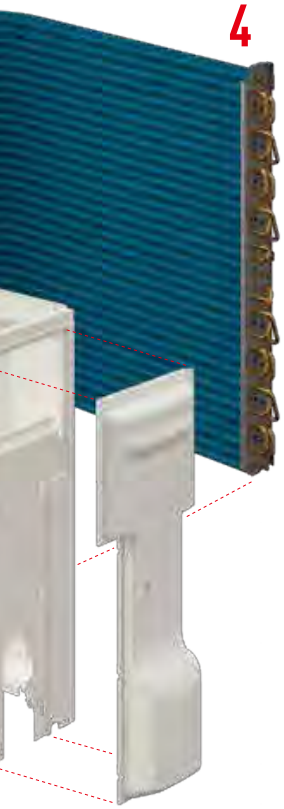
High-performance compressor with wide power output range operates accurately with less than 1 ampere for precise operation.

Low Vibration

Anti-vibration rubber mounts on the compressor legs absorb impact and improves durability.

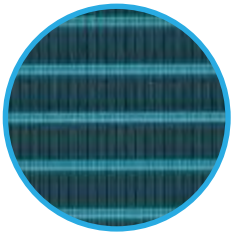
2 Inverter Technology

Advanced drive technology adjusts precise compressor motor rotation. During the start-up phase, the compressor quickly provides powerful, high-speed rotation; during the run phase the compressor smoothly shifts to a low speed rotation for energy savings. This maximizes compressor performance and optimizes high efficient operation.



TOUGHNESS

Precise design



4

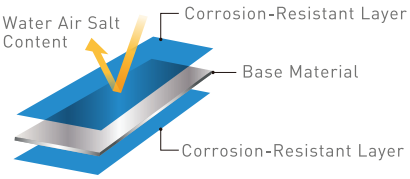
Blue Fin Condenser

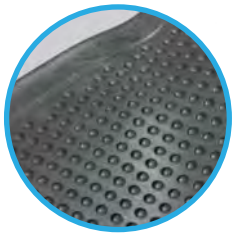
Blue Fin anti-rust coating is applied to each fin. This special coating prevents rust from salt air and moisture from rain and melting snow and assures longer life of the heat exchanger.

BLUE FIN CONDENSER

3 layer structure
3 times longer lasting

Note: According to Panasonic test results.





3

High-Efficiency Blades

Frost on heat exchanger is frequent in cold climates. The three blade, high static pressure design moves air quietly and evenly even under harsh conditions and provides high-efficiency operation.

5

Base Pan Heater/Multiple Drain Ports

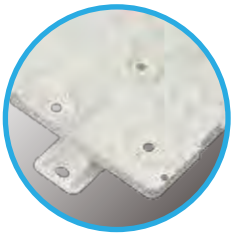
A heating element placed around the base pan prevents freezing condensate inside the outdoor unit. Multiple drain holes assist prompt drainage.

Quiet

Smooth rotation and low vibration ensure quiet operation and durability.

Silicone Coating

The brains of the air conditioner, printed circuit board is coated with silicone to prevent malfunction from insulation deterioration.



6

Powder Coated Finish

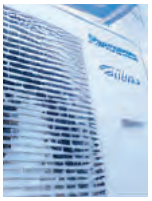
An industrial grade paint used on exterior finishes for guardrails, automobile parts provides corrosion resistance and durability.

Reliability and exceptional quality with over 200 quality assurance tests

A rugged design ensures that the air conditioners will continue to keep the room comfortable, and provide reliable operation for many years. Panasonic believes this is the true value of an air conditioner and the reason we subject them to a wide range of stringent durability tests.

- **Long-term Durability Test**
- **Compressor Reliability Test**
- **Operating Test in Harsh Conditions**
- **Waterproof Test**

Panasonic conducts tests under conditions that are much more severe than actual operating conditions.



The outdoor unit is provided with IPX4 waterproof compliance. Also, an operating durability test has been conducted at a temperature up to 54.4°C (130°F) down to -25°C (13°F) in test chamber.

Panasonic simulates impacts, vibrations and other external conditions that air conditioners might receive during transportation. We assure that the quality and performance at the time of the final product inspection are maintained when the product reaches the user's home.

- **Drop Test**
- **Vibration Test**
- **Warehouse Stacking Test**

Even in the event of heavy impacts during transportation, the product packaging has been strengthened to prevent it from being damaged.

We place a weight on top of the test package and leave it in a room at high-temperature and humidity. After this warehouse simulation test, the product is checked for proper operation.

Comfort

Air conditioners should keep each person in the room comfortable without making their presence known. They should work totally in the background, using their strength to create and maintain a comfortable environment. We build this hidden strength into our air conditioners, and test them repeatedly from this viewpoint.

- **Noise Test**
- **Environmental Test**
- **EMC (Electromagnetic Compatibility) Test**
- **Remote Control Usability Test**

An actual air conditioner is operated in a test room that simulates a standard living room. The test makes it possible to confirm optimum performance level under ever-changing conditions.

A variety of tests are conducted to judge the visibility of the button colors, operating ease. The remote control is also subjected to a 1.5-meter dropping test from various angles.

Quality

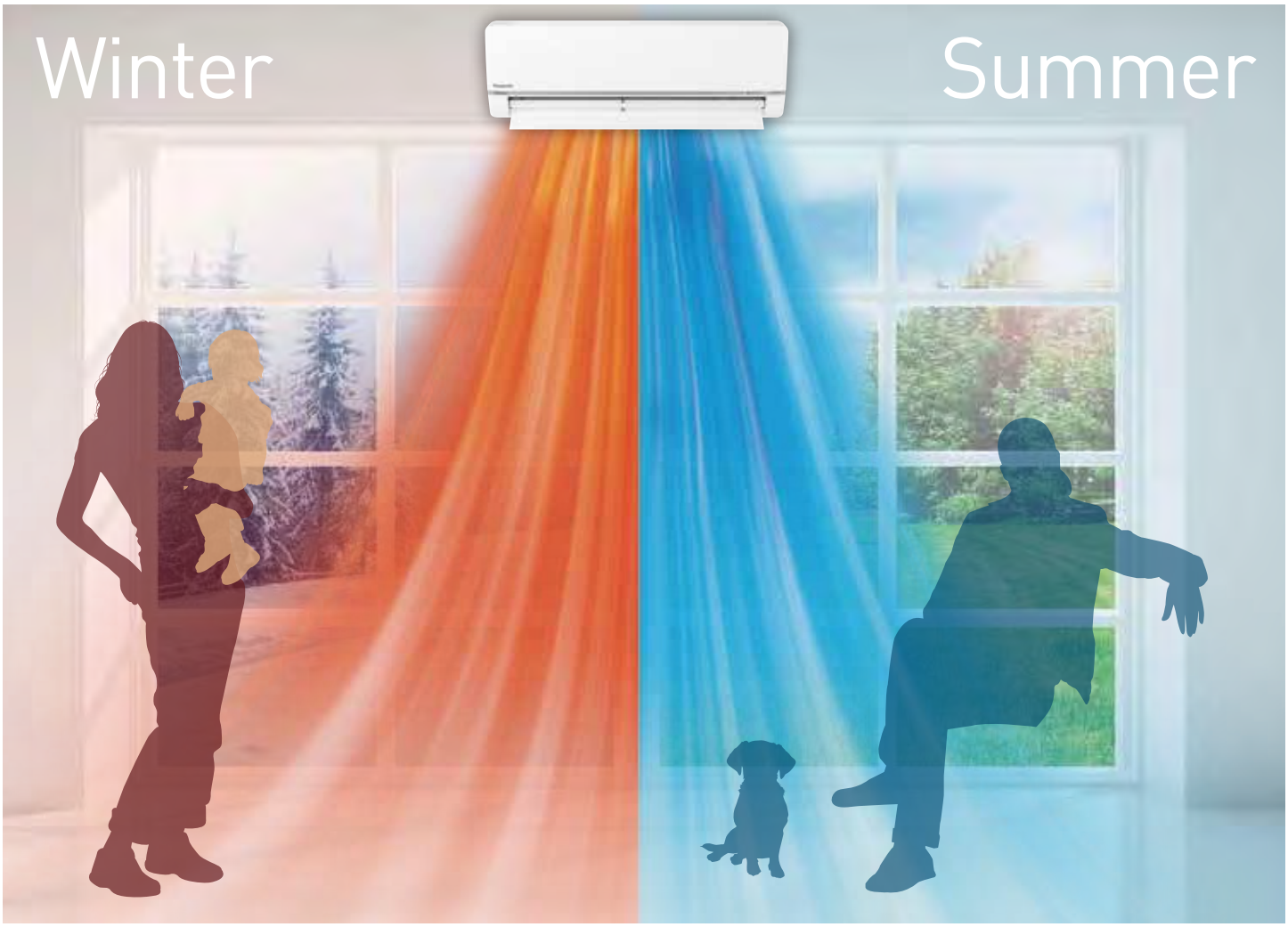
Panasonic continues to offer the highest quality with the lowest possible environment impact. The fundamental principles of Panasonic products naturally apply to air conditioners. In order to live up to our reputation for quality, we work to overcome challenges and devote maximum efforts all over the world.

- **International Standard Quality**
- **Sophisticated Production Process**

Panasonic air conditioners comply with all necessary leading industrial standards and regulations required for the market in each country.

Panasonic factories reduce CO2 emissions and conduct regional-based environmental communication activities to contribute to both the global environment and the local communities.

With Panasonic, heating and cooling are all-in-one providing year-round comfort



Superb comfort

PRECISE CONTROL

Panasonic inverter technology continually adjusts its compressor rotation speed to provide maximum performance at all times. This precise operation enables quick cooling or heating while reducing power consumption compared to conventional non-inverter units.

Reduces Electricity Consumption

Panasonic inverter air conditioners/heat pumps are designed to give you exceptional energy savings while ensuring you stay comfortable at all times.

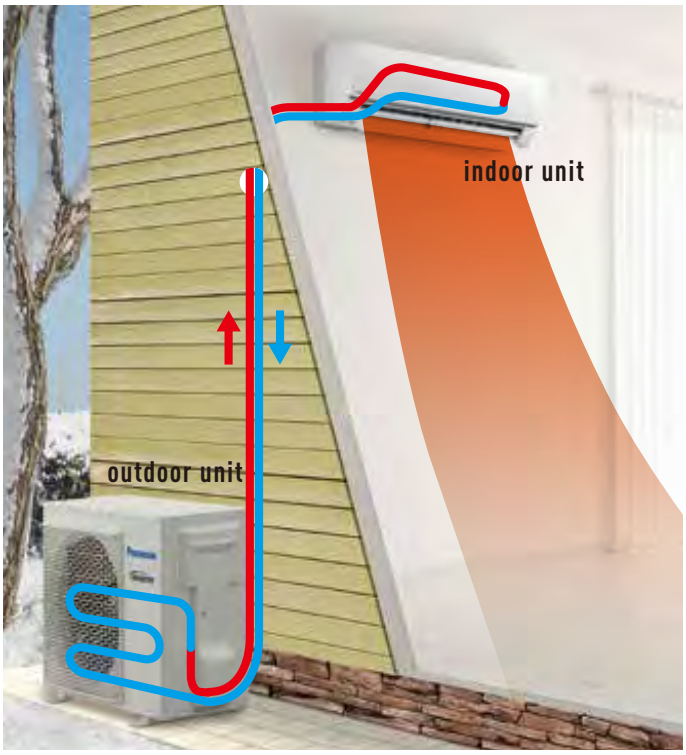
Constant Comfort

Precise temperature control with a wide power output range enables an Inverter air conditioner/heat pump to meet different room occupancy levels, providing constant comfort.

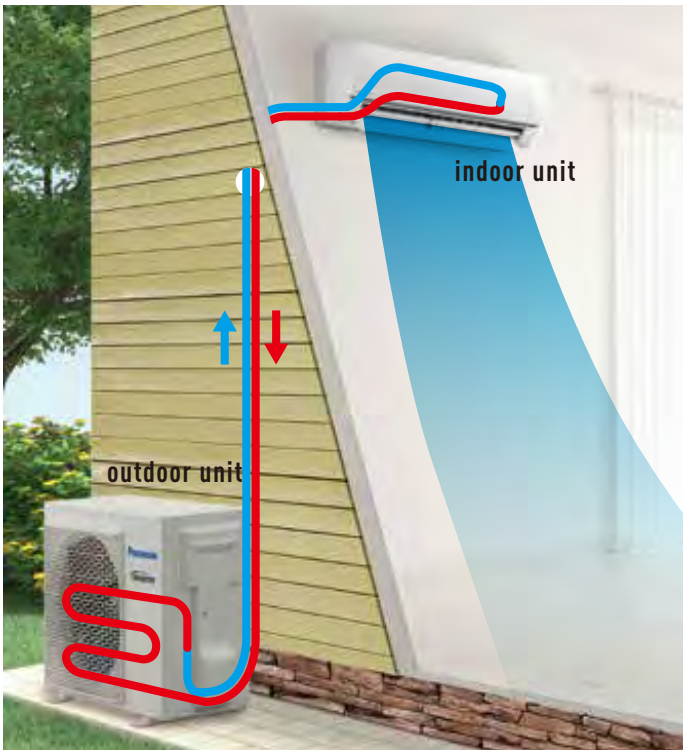
All seasons

YEAR-ROUND USE

The air conditioning heat pump consists of a single or multiple indoor units and a single outdoor condenser unit. The indoor and outdoor units are connected by refrigerant pipes that cycle refrigerant gas between the indoor and outdoor units. The direction of the gas can be switched which changes operation between heating and cooling. This switching change is done with a simple button push on the remote controller and heating and cooling comfort is provided year-round.



At heating operation Simply said, heat is transferred from outdoors to indoors using a compressor and high pressure, high temperature refrigerant. Cool air is drawn into the indoor unit and Warm air is released into the room. The refrigerant cycle continually repeats.



At cooling operation Simply said, heat is transferred from indoors to outdoors using a compressor and high pressure, high temperature refrigerant in a reverse cycle from heating. Warm moist air is drawn into the indoor unit and Cool dry air is released into the room. The refrigerant cycle continually repeats.

Quick Cooling and Heating

Panasonic Inverter heat pumps can respond in a more dynamic fashion, for faster heating & cooling (as compared to non-inverter models).

Whisper Quiet Operation

The indoor operating noise has been reduced by 5dB as the Inverter constantly varies its output power to enable more precise temperature control.

Advanced Inverter & ECONAVI Technology

Optimum Performance while reducing Energy Usage

Panasonic inverter technology constantly adjusts its compressor rotation speed to provide maximum performance at all times. This precise operation enables quick cooling or heating while reducing power consumption compared to conventional non-inverter units.

Reduces Electricity Consumption

Panasonic inverter air conditioners/heat pumps are designed to give you exceptional energy savings while ensuring you stay comfortable at all times.

Constant Comfort

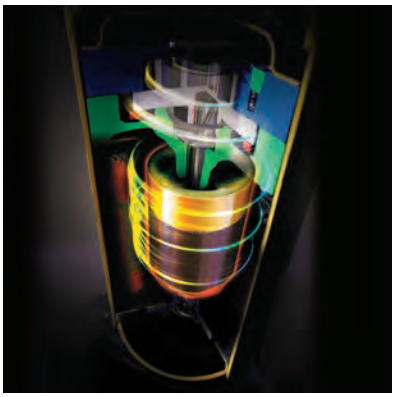
Precise temperature control with a wide power output range enables an inverter air conditioner to meet different room occupancy levels, providing constant comfort.

Quick Cooling and Heating

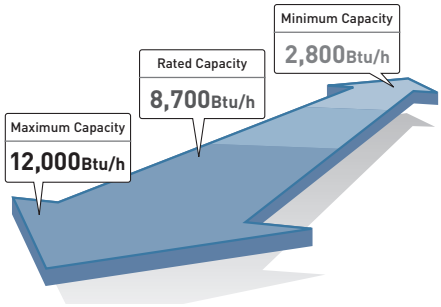
Panasonic Inverter air conditioners can operate with higher cooling/heating power during the start-up period to cool/heat the room faster than non-inverter models.

Whisper Quiet Operation

The indoor operating noise has been reduced by 5dB as the Inverter constantly varies its output power to enable more precise temperature control.



• **Wider Output Power Range**



What's ECONAVI?

High-precision sensor technology allows efficient, automatic operation to match room conditions. This keeps everyone comfortable while saving energy.

What does ECONAVI detect?

EXAMINE
- Level of activity.
- Human presence.

EVALUATE
- Changes in human activity.
- Changes in human presence.

EXECUTE
- Low activity: Auto increase set temperature.
- Absence: Auto increase set temperature.

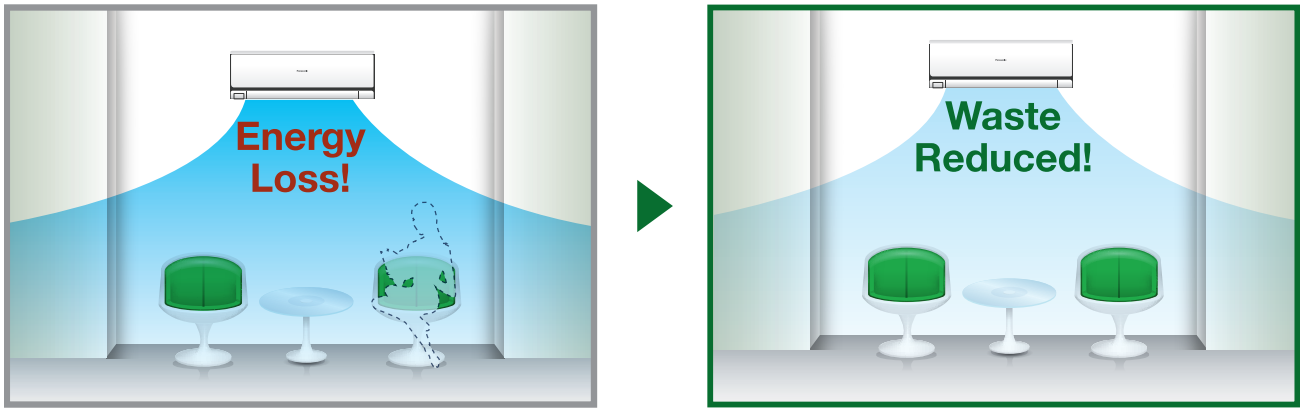
Advanced ECONAVI Technology

Energy Saving and Comfort through Sensor Technology

ECONAVI SENSOR

1. Absence Detection — Human Activity Sensor

Reduces energy usage when no activity is detected.

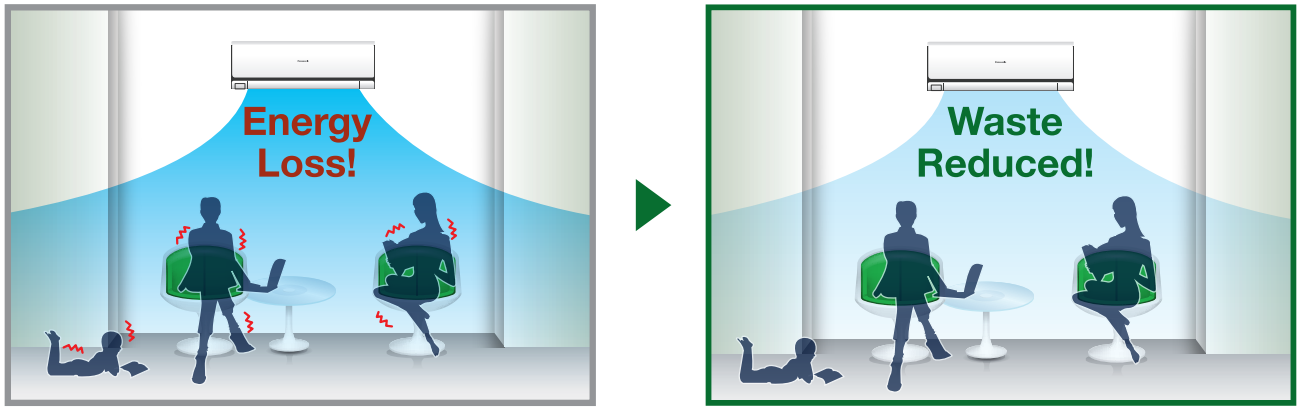


ECONAVI mono sensor

Switches from high operation to reduce cooling.

2. Activity Detection — Human Activity Sensor

When activity is detected, sensors start working to efficiently cool the zone.



ECONAVI mono sensor

Switches from high to mild cooling.

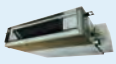
Air Conditioner and Heat Pump Line-Up

Your Best Choice in Mini Split Air Conditioning and Heat Pump Systems

Since 1983, Panasonic Mini Split Air Conditioner and Heat Pump products offer a wide range of versatile solutions for cooling and heating requirements for single or multiple rooms. The indoor unit (evaporator) is mounted inside a room and connected to the outdoor unit (condenser) via refrigerant lines and inter-unit wiring through a 3-1/2" opening in the wall. Since no ductwork is required, installation is simple, fast and efficient. Ducted models are also available.

The indoor unit has been uniquely designed to provide whisper-quiet operation while delivering comfort throughout the room. Panasonic Mini Split Systems are stylish and provide the quality and reliability you can count on.

MULTI-ZONE: Residential and Light Commercial Applications

MULTI SPLIT HEAT PUMPS						
Zones			2	2 thru 3	2 thru 4	2 thru 5
System Btu/h			18,000 (1.5 TON)	19,000 (1.5 TON)	24,000 (2.0 TON)	36,000 (3.0 TON)
SEER2 (Non-Ducted / Ducted)			19.0 / 19.0	22.0 / 18.5	22.0 / 19.0	18.5 / 16.5
HSPF2 Region 4 (non-Ducted / Ducted)			9.5 /7.8	22.0 / 18.5	22.0 / 19.0	18.5 / 16.5
HSPF2 Region 5 (non-Ducted / Ducted)			9.8 / 6.9	10.5 / 9.0	9.5 / 9.0	10.0 / 9.5
Outdoor Unit			 CU-2E18SBU-5	 CU-3E19RBU-5	 CU-4E24RBU-5	 CU-5E36QBU-5
Indoor Unit	Wall Mount 5,000 Btu/h		CS-ME5RKUA	CS-ME5RKUA	CS-ME5RKUA	CS-ME5RKUA
	Wall Mount 7,000 Btu/h		CS-ME7RKUA	CS-ME7RKUA	CS-ME7RKUA	CS-ME7RKUA
	Wall Mount 9,000 Btu/h		CS-E9RKUAW	CS-E9RKUAW CS-XE9WKUAW	CS-E9RKUAW	CS-E9RKUAW
	Wall Mount 12,000 Btu/h		CS-E12RKUAW	CS-E12RKUAW CS-XE12WKUAW	CS-E12RKUAW	CS-E12RKUAW
	Wall Mount 15,000 Btu/h		N/A	CS-XE15WKUAW	N/A	N/A
	Wall Mount 18,000 Btu/h		N/A	CS-E18RKUAW CS-XE18WKUAW	CS-E18RKUAW	CS-E18RKUAW
	Wall Mount 24,000 Btu/h		N/A	N/A	CS-E24RKUAW	CS-E24RKUAW
	4-Way Cassette 9,000 Btu/h		CS-ME9SB4U	CS-ME9SB4U	CS-ME9SB4U	CS-ME9SB4U
	4-Way Cassette 12,000 Btu/h		CS-E12RB4UW	CS-E12RB4UW	CS-E12RB4UW	CS-E12RB4UW
	4-Way Cassette 18,000 Btu/h		N/A	CS-E18RB4UW	CS-E18RB4UW	CS-E18RB4UW
	Slim Duct 5,000 Btu/h		CS-ME5SD3UA	CS-ME5SD3UA	CS-ME5SD3UA	CS-ME5SD3UA
	Slim Duct 7,000 Btu/h		CS-ME7SD3UA	CS-ME7SD3UA	CS-ME7SD3UA	CS-ME7SD3UA
	Slim Duct 9,000 Btu/h		CS-E9SD3UAW	CS-E9SD3UAW	CS-E9SD3UAW	CS-E9SD3UAW
	Slim Duct 12,000 Btu/h		CS-E12SD3UAW	CS-E12SD3UAW	CS-E12SD3UAW	CS-E12SD3UAW
	Slim Duct 18,000 Btu/h		N/A	CS-E18SD3UAW	CS-E18SD3UAW	CS-E18SD3UAW

All Multi-Zone Systems require a minimum 2 indoor units installed.
When selecting Multi-Zone please consider System Capacity and Indoor Unit Combinations. See pages 32, 40, and 41.

SINGLE ZONE: Residential Applications

RESIDENTIAL								
System Btu/h				9,000	12,000	15,000	18,000	24,000
ClimaPure™ XE –26.1°C (–15°F) Degree	Up To 28.2 SEER 14.5 HSPF	Outdoor Unit		CU-XE9WKUA	CU-XE12WKUA	CU-XE15WKUA	CU-XE18WKUA	CU-XE24WKUA
		Wall Mount		CS-XE9WKUAW	CS-XE12WKUAW	CS-XE15WKUAW	CS-XE18WKUAW	CS-XE24WKUAW
EXTERIOS –20.5°C (–5°F) Degree	Up to 23.0 SEER 11.0 HSPF	Outdoor Unit		CU-E9RKUA	CU-E12RKUA	N/A	CU-E18RKUA	CU-E24RKUA
		Wall Mount		CS-E9RKUAW	CS-E12RKUAW	N/A	CS-E18RKUAW	CS-E24RKUAW
Pro Series –20.5°C (–5°F) Degree	Up to 16 SEER 8.5 HSPF	Outdoor Unit		CU-RE9SKUA	CU-RE12SKUA	N/A	CU-RE18SKUA	CU-RE24SKUA
		Wall Mount		CS-RE9SKUA	CS-RE12SKUA	N/A	CS-RE18SKUA	CS-RE24SKUA
4-Way Ceiling –15°C (5°F) Degree	Up to 18.0 SEER 9.0 HSPF	Outdoor Unit		N/A	CU-E12RB4U	N/A	CU-E18RB4U	N/A
		4-Way Cassette		N/A	CS-E12RB4UW	N/A	CS-E18RB4UW	N/A
Ducted –20.5°C (–5°F) Degree	Up to 20.5 SEER 10.0 HSPF	Outdoor Unit		CU-E9SD3UA	CU-E12SD3UA	N/A	CU-E18SD3UA	N/A
		Ducted		CS-E9SD3UAW	CS-E12SD3UAW	N/A	CS-E18SD3UAW	N/A

Representative product images shown here. See product page for actual model images.

Model Feature Chart

		HEAT PUMPS				
	Wall Mounted	XE9WKUA XE12WKUA XE15WKUA XE18WKUA XE24WKUA	E9RKUA E12RKUA E18RKUA E24RKUA	RE9SKUA RE12SKUA RE18SKUA RE24SKUA		
	4-Way Cassette					E12RB4U E18RB4U
	Ducted				E9SD3UAW E12SD3UAW E18SD3UAW	
nanoe™X	nanoe™X Purification System	✓				
Wi-Fi	Wi-Fi	Built-in	Option	Option	Option	Option
Auxiliary Heat Connect	Auxiliary Heat Connect	✓				
ECO NAVI M	ECONAVI Sensor		✓			
DRY	Dry Mode	✓	✓	✓	✓	✓
BLUE FIN CONDENSER	Blue Fin Condenser	✓	✓	✓	✓	
Room Freeze Protection	Room Freeze Protection	✓				
Microprocessor-Controlled Operation	Microprocessor-Controlled Operation	✓	✓	✓	✓	✓
Wireless Remote Controller	Wireless Remote Controller	✓	✓	✓	✓	✓
Wired Remote Controller	Wired Remote Controller	Option	Option	Option	Option	Option
Self-Diagnosing Function	Self-Diagnosing Function	✓	✓	✓		✓
AUTO	5 Fan Speeds and Automatic Fan Operation	✓	✓	✓	✓	✓
Air Sweep Control	Air Sweep Control	✓	✓	✓		✓
Louver Control	Louver Control	✓	✓	✓		✓
Base Pan Heater	Base Pan Heater	✓				
COOLING HEAT PUMP	Automatic Heating and Cooling Changeover	✓	✓	✓	✓	✓
Hot Start Heating System	Hot Start Heating System	✓	✓	✓	✓	✓
24H PROGRAM	24-Hour Clock with ON/OFF Program Timer	✓	✓	✓	✓	✓
1H Timer	1-Hour OFF Timer					
WEEKLY Timer	Weekly Timer	Option	Option		Option	Option
System Controller	System Controller					
Filter sign	Filter Sign	Option	Option		Option	Option
Automatic Restart Function after Power Failure	Automatic Restart Function after Power Failure	✓	✓	✓	✓	✓
DP	Built-In Drain Pump				✓	✓
LOW AMBIENT	Low Ambient	✓	✓	✓	✓	✓
ELECTRIC	Electric Expansion Valve	✓	✓	✓	✓	✓
R-410A	R-410A Refrigerant	✓	✓	✓	✓	✓
Quiet	Quiet Mode	✓	✓	✓	✓	✓
	PM2.5 Filter (option)	✓				
	Anti-Microbial Filter (option)	✓	✓	✓		

Features

nanoe™ X Air Purification System

Advanced nanoe™ X air purification technology with no maintenance required. (See pages 4-7).

Wi-Fi Options

Control heating and air conditioning through easy-to-use smartphone app.

Auxiliary Heat Connect

Optional auxiliary heater connection kit to turn on/off an auxiliary heater device during extreme low ambient conditions.

ECONAVI Sensor

Automatic sensor for energy efficiency and comfort. Absence & Activity Detection, Area Search.

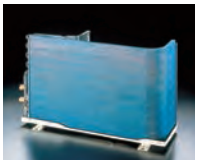
Dry Mode

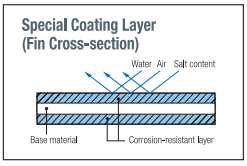
By coupling compressor and fan operation, intermittent operation can be precisely controlled according to room temperature, so that air is efficiently dehumidified.

Blue Fin Condenser

Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has extended the life of its condensers with an original anti-rust coating.

Tested for 2,000 salt spray hours.





Room Freeze Protection*

Room Freeze Protection mode helps prevent plumbing damage due to sub-Freezing Temperature. This mode automatically turns on the compressor for heat pump operation if the room temperature falls to about 7.8°C (46°F).

*This function may not be performed if the unit is not powered, or if the unit is unable to operate such as in protection mode. Please consult with the HVAC installers or professional for details.

Microprocessor-Controlled Operation

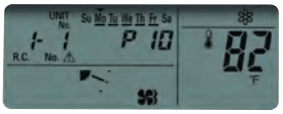
Microprocessor control ensures that the temperature and humidity levels in the room are comfortable.

Wireless Remote Control

Panasonic's infrared Remote Control with an easy-to-read LCD Display, gives the user the capability to adjust & set: temperature, sweep (louver control), fan speeds, timer and more, for complete automatic operation.

Self-Diagnosing Function

Units are equipped with Self-Diagnosing Function (methods are different depending on the models). This makes it easier to diagnose malfunctions, greatly reducing service labor (Wired remote controller).



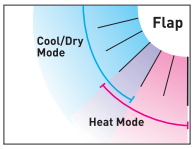
(Example of CZ-RTC2)

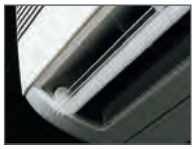
5 Fan Speeds and Automatic Fan Operation

Convenient microprocessor control automatically adjusts fan speed to High, Medium or Low, according to room temperature to maintain a comfortable airflow throughout the room.

Air Sweep Control

The air sweep function moves the louver up and down in the air outlet, directing air in a "sweeping" motion around the room.





Base Pan Heater

Exterios XE models include a base pan heater that helps prevent freezing condensate and allows very low ambient operation.

Automatic Heating and Cooling Changeover

After setting the temperature and functions you desire, just relax. If the room temperature is higher than the set temperature, cooling operation begins. If the room temperature is lower than the set temperature, heating operation begins. During normal thermostat cycle operation, cooling and heating operations automatically change in accordance with set temperature, time and room temperature (Single Zone Heat Pump unit only).

Hot Start Heating System

Right from the start, air is warm and comfortable. The Hot Start Heating System helps prevent any cold blasts at the beginning while the heat pump is warming up (Heat pump unit only).

24-hour Clock with ON/OFF Program Timer

The remote control unit allows you to set a wide variety of timer-based operations. Such functions include automatic ON/OFF with a timer setting, same time ON/OFF every day, ON timer, OFF timer and Combination timer.

1-hour OFF Timer

When this button is pushed either while the unit is operating or while it is stopped, the unit will operate for one hour, then switch off automatically.

Filter Sign

Filter sign informs you when filter maintenance is necessary.

XE/E series with CZ-RD516C-1

Automatic Restart Function after Power Failure

Built-In Drain Pump

Max. head 20 inches from the discharge of the indoor unit. Condensation pump is only for allowing drain line to meet minimum gravity flow requirements.

Low Ambient

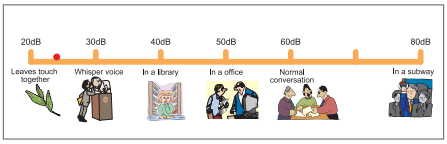
Low Ambient heating operation models range from –15°C (5°F) to –26.1°C (–15°F).

Electric Refrigerant Control Valve

The circulation volume of the refrigerant is controlled by a pulse type electric control valve. In order to attain optimum efficiency, when the power is switched ON, the opening degree of the electric control valve is controlled between 90 and 480 steps.

Quiet Mode

LOW, low fan speed for extra quiet operation.



Stage 2 Filter

PM2.5 to inhibit up to 90% of dust particles.

Anti-Microbial treated to inhibit the growth of mold and mildew.

Test Comparison

	Microbial Growth Rating	
	7 days	28days
Anti-microbial Filter	No growth	No growth
Normal Filter Paper	60% growth	60% growth

*Tested per ASTM G21-96 equivalent

The latest breakthrough in energy efficiency and high performance

ClimaPure™ XE

WALL MOUNTED HEAT PUMP
COLD CLIMATE SERIES

The **ClimaPure™ XE** ductless heating and air conditioning system features nanoe™ X — a built-in air and surface purification technology that provides a comfortable environment for occupants by reducing pollutants and odours. nanoe™ X penetrates deep into the fibers of carpets and furniture to inhibit pollutants and odours. Featuring whisper-quiet heating and cooling and advanced built-in air purification technology, the XE series sets a new standard for a comfortable indoor environment.

LOW AMBIENT

Low Ambient Heating –26.1°C (–15°F)

Operational heat capacity down to –26.1°C (–15°F) provides heating in extreme cold regions. Low Ambient performance specifications qualifies ClimaPure™ XE series for most air source heat pump rebate programs.

nanoeX

nanoe™ X Air and Surface Purification

nanoe™ X generates large quantities of hydroxyl radicals that are distributed throughout the room to reduce air and surface pollutants and odours resulting in a cleaner living environment. See pages 4-9. ClimaPure™ XE series also offers an optional CZ-SA321P filter to further reduce PM2.5.

Helps Prevent Freezing with Base Pan Heater

Base Pan Heater is included with ClimaPure™ XE models and operates during defrost cycles to help prevent frozen condensate. Multiple drain holes to help prevent frozen condensate build up.

Built-in Wi-Fi with Panasonic Comfort Cloud App

Manage all function of the mini-split from any location using ClimaPure™ XE series Built-in Wi-Fi with Panasonic Comfort Cloud App. Set up user rights to manage scalability up to 200 units in 10 locations.

Room Freeze Protection

Helps prevent plumbing damage due to sub-freezing temperatures. Automatically turns on compressor for heat pump operation if the room temperature falls below 7.8˚C (46˚F).

27.3 SEER2 | 12/9 HSPF2

High Energy Efficiency

Provides high energy efficiency up to 27.3 SEER2, 12.0/9.0 HSPF2 Region 4/5 which reduces operating costs.

INVERTER

Inverter Technology

Panasonic inverter technology provides optimum power control and extremely efficient operation by modulating the compressor capacity. The result is efficient and flexible operation using less electricity.

BLUE FIN CONDENSER

Blue Fin Condenser

Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has extended the life of its condensers with an anti-rust coating.

WALL MOUNTED HEAT PUMP COLD CLIMATE SERIES

System			XE9WKUA			XE12WKUA			XE15WKUA			XE18WKUA			XE24WKUA		
Indoor Model			CS-XE9WKUAW			CS-XE12WKUAW			CS-XE15WKUAW			CS-XE18WKUAW			CS-XE24WKUAW		
Outdoor model			CU-XE9WKUA			CU-XE12WKUA			CU-XE15WKUA			CU-XE18WKUA			CU-XE24WKUA		
Low Ambient Heat Operation			-26.1°C (–15°F) (no lockout)			-26.1°C (–15°F) (no lockout)			-26.1°C (–15°F) (no lockout)			-26.1°C (–15°F) (no lockout)			-26.1°C (–15°F) (no lockout)		
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling (Indoor Dry Bulb 80°F)	95°F	BTU/h	2800	8700	12000	2800	11500	14000	3300	14700	19000	5800	17200	19800	5800	24000	27200
Heating (Indoor Dry Bulb 70°F)	47°F	BTU/h	3000	10900	18000	3000	12000	23000	3300	17200	24000	5800	20400	30000	5800	28800	33800
		COP (W/W)	5.93	4.79	3.21	5.93	4.39	3.73	4.90	4.00	2.65	4.47	3.66	3.14	4.47	3.36	3.30
	17°F	BTU/h		8000			10000			11000			14000			18500	
		COP		3.13			2.79			3.16			2.93			2.64	
	5°F	BTU/h		–	11000		–	12000		–	17200		–	20400		–	25200
		COP		–	2.30		–	2.20		–	2.10		–	2.30		–	2.170

SEER2			27.3			24.60			22.0			22.00			20.00		
EER2			16.1			14.15			12.55			13.2			10.9		
HSPF2 Region 4/5			12.0/9.0			11.0/8.7			11.0/8.5			10.9/8.5			10.3/8.5		
ENERGY STAR®			Yes			Yes			Yes			Yes			N/A		
Moisture Removal Volume		Pt/h	1.3			2.5			4.0			3.6			–		
NEEP Tier level			Tier 2			Tier 2			Tier 2			Tier 2			Tier 2		
Base Pan Heater			Included			Included			Included			Included			Included		
Auxiliary Heater Connection			AUXHTK1 (optional)			AUXHTK1 (optional)			AUXHTK1 (optional)			AUXHTK1 (optional)			AUXHTK1 (optional)		
Connectivity			Built-in Wi-Fi plus App			Built-in Wi-Fi plus App			Built-in Wi-Fi plus App			Built-in Wi-Fi plus App			Built-in Wi-Fi plus App		
Wireless Controller			Included			Included			Included			Included			Included		
Wired Controler			CZ-RD516C-1 (optional)			CZ-RD516C-1 (optional)			CZ-RD516C-1 (optional)			CZ-RD516C-1 (optional)			CZ-RD516C-1 (optional)		

Noise Cooling	Indoor	dB-A (H/L/Q-Lo)	42	25	20	45	28	20	45	37	34	47	39	36	49	40	37
	Outdoor	dB-A (H/L/Q-Lo)	48	–	–	49	–	–	51	–	–	52	–	–	53	–	–
Noise Heating	Indoor	dB-A (H/L/Q-Lo)	42	29	26	44	35	32	47	37	34	48	39	36	49	40	37
	Outdoor	dB-A (H/L/Q-Lo)	48	–	–	49	–	–	55	–	–	54	–	–	55	–	–

V, Phase, Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz		
Running Amps	Cooling	Amp	2.6/2.9			3.8/4.2			5.4/6.0			6.2/6.9			10.1/11.1		
	Heating	Amp	3.2/3.6			3.8/4.2			5.8/6.6			7.7/8.7			11.5/12.8		
Power Input	Cooling	Watt	540			810			1170			1300			2200		
	Heating	Watt	670			800			1260			1630			2520		
Base Pan Heater		Watt	80			80			80			80			80		
Min. Curcuit Ampacity		Amp	15			15			20			20			25		
Max. Overcurrent Protection		Amp	15			20			25			25			30		

Advanced Air Purification Features		Evaporator Guard Filter	Included			Included			Included			Included			Included		
		PM2.5 (CZ-SA31P)	Optional			Optional			Optional			Optional			Optional		
		Anti Microbial (CZ-SA20P)	Optional			Optional			Optional			Optional			Optional		
		nanoe™ X Air Purification	Included			Included			Included			Included			Included		
Features	Fan Speeds		5 Speeds + Auto			5 Speeds + Auto			5 Speeds + Auto			5 Speeds + Auto			5 Speeds + Auto		
	Dry Air Flow	Heating/Cooling CFM	395/380			415/415			460/430			595/560			630/605		
	Timer		24hr Program			24hr Program			24hr Program			24hr Program			24hr Program		
	Air Deflection	Horizontal	Automatic			Automatic			Automatic			Automatic			Automatic		
		Vertical	Automatic			Automatic			Automatic			Automatic			Automatic		

Inverter Variable Capacity			Yes			Yes			Yes			Yes			Yes		
Refrigerant			R410a			R410a			R410a			R410a			R410a		
Piping	Refrigerant Piping	Type	Flare			Flare			Flare			Flare			Flare		
		Discharge inches	1/4"			1/4"			1/4"			1/4"			1/4"		
		Suction inches	3/8"			1/2"			1/2"			1/2"			5/8"		
	Refrigerant Pipe Length	Min - Max ft	9.8 - 65.6			9.8 - 65.6			9.8 - 65.6			9.8 - 100			9.8 - 100		
	Elevation Difference	Outdoor Above ft	Max. 49.2			Max. 49.2			Max. 49.2			Max. 49.2			Max. 49.2		
		Outdoor Below ft	Max. 49.2			Max. 49.2			Max. 49.2			Max. 49.2			Max. 49.2		

Unit	Indoor	H/W/D (inches)	11-5/8	34-9/32	9-1/16	11-5/8	34-9/32	9-1/16	11-5/8	34-9/32	9-1/16	11-29/32	43-13/32	9-5/8	11-29/32	43-13/32	9-5/8
	Weight	lb.	24			24			24			33			33		
	Outdoor	H/W/D (inches)	24-1/2	32-15/32	11-25/32	24-1/2	32-15/32	11-25/32	27-3/8	34-15/32	12-5/8	31-5/16	34-15/32	12-5/8	31-5/16	34-15/32	12-5/8
	Weight	lb.	82			82			106			132			132		
Carton	Indoor	H/W/D (inches)	10-7/8	37-13/16	14-3/8	10-7/8	37-13/16	14-3/8	10-7/8	37-13/16	14-3/8	11-7/16	46-5/32	14-29/32	11-7/16	46-5/32	14-29/32
	Weight	lb.	26			26			26			37			37		
	Outdoor	H/W/D (inches)	26-25/32	37-23/32	16-13/32	26-25/32	37-23/32	16-13/32	29-11/32	41-5/16	18-1/8	34-25/32	41-5/16	19-1/8	34-25/32	41-5/16	19-1/8
	Weight	lb.	88			88			117			146			146		

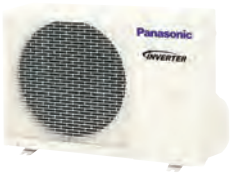
Deluxe E Series Wall-Mounted Heat Pumps

EXTERIOS E

E9RKUA / E12RKUA

INDOOR UNIT
CS-E9RKUAW / CS-E12RKUAW

ECONAVI



Wireless Controller (Included)

Wired Remote Controller **(CZ-RD516C-1)** (Optional)

OUTDOOR UNIT
CU-E9RKUA / CU-E12RKUA

BLUE FIN CONDENSER

E18RKUA / E24RKUA

INDOOR UNIT
CS-E18RKUAW / CS-E24RKUAW

ECONAVI

(E18 only)

Wireless Controller (Included)

Wired Remote Controller **(CZ-RD516C-1)** (Optional)

OUTDOOR UNIT
CU-E18RKUA / CU-E24RKUA

BLUE FIN CONDENSER

Cooling only operation may be configured during installation.

Pipe diameters listed below are for single zone only. Multi-Zone pipe diameters on page 44.

WALL MOUNT HEAT PUMPS

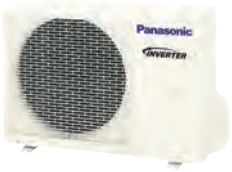
Model No.			E9RKUA		E12RKUA		E18RKUA		E24RKUA	
Unit Model No.			Indoor Unit CS-E9RKUAW	Outdoor Unit CU-E9RKUA	Indoor Unit CS-E12RKUAW	Outdoor Unit CU-E12RKUA	Indoor Unit CS-E18RKUAW	Outdoor Unit CU-E18RKUA	Indoor Unit CS-E24RKUAW	Outdoor Unit CU-E24RKUA
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	9,000 (4,100–10,200)		11,500 (4,100–13,300)		17,200 (5,800–19,800)		24,000 (5,800–27,200)	
	Heating	Btu/h	12,000 (4,100–14,100)		13,800 (4,100–16,300)		21,600 (5,800–22,000)		28,800 (5,800–29,200)	
Moisture Removal	High	Pints/H	1.3		1.7		3.0		7.6	
Dry Air Flow	Heating/Cooling	CFM	455/425		505/450		695/670		715/670	
SEER2	Cooling		23.0		22.5		19.5		19.5	
EER2	Cooling		13.0		12.5		13.2		13 .2	
HSPF Region 4/5	Heating		10.3/7.4		9.0/6.9		10.0		9.0/6.9	
Power Supply	V, Phase, Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz	
Running Amps	Cooling	A	3.2 / 3.6		4.2 / 4.7		6.3 / 7.0		10.8 / 11.9	
	Heating	A	5.1 / 5.7		5.6 / 6.3		8.3 / 9.3		11.4 / 12.6	
Power Input	Cooling	W	690 (250–850)		920 (250–1,150)		1,300 (430–1,600)		2,350 (430–2,720)	
	Heating	W	1,120 (200–1,500)		1,250 (200–1,710)		1,750 (380–1,800)		2,500 (380–2,660)	
Min. Circuit Ampacity		A	15		15		15		20	
Max. Overcurrent Protection		A	15		15		20		25	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Equipped		Equipped		Equipped		Equipped	
Wireless Controller			Included		Included		Included		Included	
Wired Remote Controller(optional)			CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto	
Timer			24-hr Program		24-hr Program		24-hr Program		24-hr Program	
Air Deflection	Horizontal		Manual		Manual		Automatic		Automatic	
	Vertical		Automatic		Automatic		Automatic		Automatic	
Advanced Air Purification Features	Evaporator Guard Filter		Included		Included		Included		Included	
	PM2.5 (CZ-SA31P)		Optional		Optional		Optional		Optional	
	Anti Microbial (CZ-SA20P)		Optional		Optional		Optional		Optional	
Refrigerant			R-410A		R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In (Hi / Me / Lo)	dB-A	42 / 29 / 26		44 / 35 / 32		47 / 39 / 36		48 / 40 / 37	
	Outdoor (Hi)	dB-A	48		49		49		51	
Refrigerant Piping (single zone)	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	1/4		1/4		1/4		1/4	
	Suction	inches	3/8		1/2		1/2		5/8	
Refrigerant Pipe Length		Ft.	Max. 65.6		Max. 65.6		Max. 100		Max. 100	
Elevation Difference*	Outdoor Above	Ft.	Max. 49.2		Max. 49.2		Max. 49.2		Max. 49.2	
	Outdoor Below	Ft.	Max. 49.2		Max. 49.2		Max. 49.2		Max. 49.2	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-7/16	21-9/32	11-7/16	21-9/32	11-7/16	31-5/16	11-7/16	31-5/16
Width		inches	34-9/32	30-23/32	34-9/32	30-23/32	42-5/32	34-15/32	42-5/32	34-15/32
Depth		inches	8-7/16	11-13/32	8-7/16	11-13/32	9-15/32	12-5/8	9-15/32	12-5/8
Net Weight		Lbs.	20.0	82.0	20.0	82.0	26.0	132.0	26.0	132.0

Important: You must use refrigerant piping rated for R410a.
*This is maximum elevation difference when the indoor unit is located above the outdoor unit. See page 44 for additional information.

Pro RE Series Wall-Mounted Heat Pumps

RE9SKUA / RE12SKUA

INDOOR UNIT
CS-RE9SKUA / CS-RE12SKUA



Wireless Controller (Included)

Wired Remote Controller **(CZ-RD516C-1)** (Optional)

OUTDOOR UNIT
CU-RE9SKUA / CU-RE12SKUA

BLUE FIN CONDENSER

RE18SKUA / RE24SKUA

INDOOR UNIT
CS-RE18SKUA / CS-RE24SKUA

Wireless Controller (Included)

Wired Remote Controller **(CZ-RD516C-1)** (Optional)

OUTDOOR UNIT
CU-RE18SKUA / CU-RE24SKUA

BLUE FIN CONDENSER

Wired controller not available for Pro Series.

WALL MOUNT HEAT PUMPS

Model No.			RE9SKUA		RE12SKUA		RE18SKUA		RE24SKUA	
Unit Model No.			Indoor Unit CS-RE9SKUA	Outdoor Unit CU-RE9SKUA	Indoor Unit CS-RE12SKUA	Outdoor Unit CU-RE12SKUA	Indoor Unit CS-RE18SKUA	Outdoor Unit CU-RE18SKUA	Indoor Unit CS-RE24SKUA	Outdoor Unit CU-RE24SKUA
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	9,000 (4,100–10,200)		12,000 (4,100–13,300)		17,200 (5,800–18,000)		22,000 (5,800–23,000)	
	Heating	Btu/h	10,900 (4,100–14,100)		12,000 (4,100–16,300)		18,000 (5,800–20,800)		22,000 (5,800–25,400)	
Moisture Removal	High	Pints/H	1.3		2.3		2.7		6.8	
Dry Air Flow	Heating/Cooling	CFM	455/425		505/450		695/670		715/670	
SEER2	Cooling		16.0		16.0		16.0		16.0	
EER2	Cooling		10.45		10.6		12.25		9.2	
HSPF2 Region 4/5	Heating		8.5		8.5		8.5		8.5	
Power Supply	V, Phase, Hz		230V / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz	
Running Amps	Cooling	A	4.2 / 3.8		5.5 / 5.0		7.0 / 6.3		11.7 / 10.5	
Power Input	Heating	A	4.6 / 4.2		4.5 / 4.0		6.9 / 6.2		8.8 / 7.9	
	Cooling	W	860 (250c1,000)		1,130 (250–1,300)		1,400 (430–1,550)		2,370 (430–2,550)	
Min. Circuit Ampacity		A	15		15		15		20	
Max. Overcurrent Protection		A	15		15		20		25	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Built-in		Built-in		Built-in		Built-in	
Wireless Remorte Controller			Included		Included		Included		Included	
Wired Remote Controller (optional)			CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1	
Fan Speeds			5 Speed + Auto		5 Speed + Auto		5 Speed + Auto		5 Speed + Auto	
Timer			24-hr Program		24-hr Program		24-hr Program		24-hr Program	
Air Deflection	Horizontal		Manual		Manual		Automatic		Automatic	
	Vertical		Automatic		Automatic		Automatic		Automatic	
Advanced Air Purification Features	Evaporator Guard Filter		Included		Included		Included		Included	
	PM2.5 (CZ-SA31P)		Optional		Optional		Optional		Optional	
	Anti Microbial (CZ-SA20P)		Optional		Optional		Optional		Optional	
Refrigerant			R-410A		R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In (Hi / Me /Lo)	dB-A	43 / 35 / 32		44 / 36 / 32		48 / 39 / 36		51 / 40 / 37	
	Outdoor (Hi)	dB-A	49		52		54		55	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	1/4		1/4		1/4		1/4	
	Suction	inches	3/8		1/2		1/2		5/8	
Refrigerant Pipe Length		Ft.	Max. 49.2		Max. 49.2		Max. 65.6		Max. 65.6	
Elevation Difference*	Outdoor Above	Ft.	Max. 49.2		Max. 49.2		Max. 49.2		Max. 49.2	
	Outdoor Below	Ft.	Max. 49.2		Max. 49.2		Max. 49.2		Max. 49.2	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-7/16	21-11/32	11-7/16	21-11/32	11-7/16	27-3/8	11-7/16	27-3/8
Width		inches	34-9/32	30-23/32	34-9/32	30-23/32	42-5/32	34-15/32	42-5/32	34-15/32
Depth		inches	8-7/16	11-13/32	8-7/16	11-13/32	9-15/32	12-5/8	9-15/32	12-5/8
Net Weight		Lbs.	20.0	75.0	20.0	75.0	26.0	106.0	26.0	108.0

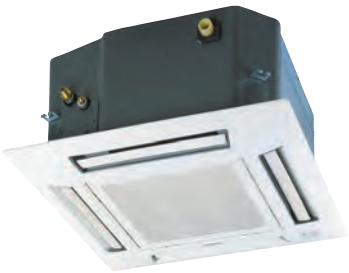
Important: You must use refrigerant piping rated for R410a.
*This is maximum elevation difference when the indoor unit is located above the outdoor unit. See page 44 for additional information.

4-Way Cassette Heat Pumps

E12RB4U / E12RB4U

INDOOR UNIT
CS-E12RB4UW*
CS-E18RB4UW*
*Grille not included. Sold separately.

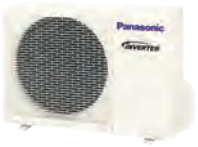
GRILLE ASSEMBLY
CZ-BT20U
(Order separately)



Wireless Controller (Included)

Wired Controller with 32 ft cable **CZ-RD52CU** (Optional)

BLUE FIN CONDENSER



OUTDOOR UNIT
CU-E12RB4U

BLUE FIN CONDENSER

OUTDOOR UNIT
CU-E18RB4U

Pipe diameters listed below are for single zone only. Multi-Zone pipe diameters on page 44.

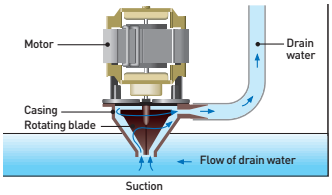
4-WAY CASSETTE 24" X 24"			HEAT PUMPS			
Model No.			**E12RB4U**		**E18RB4U**	
Unit Model No.			**Indoor Unit**	**Outdoor Unit**	**Indoor Unit**	**Outdoor Unit**
			CS-E12RB4UW	**CU-E12RB4U**	**CS-E18RB4UW**	**CU-E18RB4U**
Grille Assembly			**CZ-BT20U**		**CZ-BT20U**	
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	11,900 (4,100–13,100)		17,500 (4,400–18,700)	
	Heating	Btu/h	13,600 (4,100–16,300)		20,400 (4,400–21,000)	
Moisture Removal	High	Pints/H	4		6.1	
Dry Air Flow	Heating / Cooling	CFM	390 / 370		495 / 450	
SEER	Cooling		18		17.5	
EER	Cooling		10.3		10.25	
HSPF	Heating		9		8.5	
Power Supply	V, Phase, Hz		208/230V, Single phase, 60Hz		208/230V, Single phase, 60Hz	
Running Amps	Cooling	A	6 (1.25–6.3)		9.1 (1.2–8.3)	
	Heating	A	6.9 (1.25–7.3)		12.5 (1.3–10.5)	
Power Input	Cooling	W	1,150 (250–1,320)		1,700 (250–1,850)	
	Heating	W	1,360 (230–1,710)		2,340 (270–2,500)	
Min. Circuit Ampacity		A	15		20	
Max. Overcurrent Protection		A	15		25	
Features						
Controls			Microprocessor		Microprocessor	
Low Ambient Control (for Cooling)			Equipped		Equipped	
Wireless Remote Controller			Included		Included	
Wired Remote Controller (optional)			CZ-RD52CU		CZ-RD52CU	
Fan Speeds			Hi/Me/Lo & Auto		Hi/Me/Lo & Auto	
Air Deflection	Horizontal		—		—	
	Vertical		Microprocessor		Automatic	
Air Filter			Washable		Washable	
Refrigerant			R-410A		R-410A	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In (Hi / Me / Lo)	dB-A	34 / 30 / 27		44 / 31 / 28	
	Outdoor (Hi)	dB-A	51 (Max. 66)		52 (Max. 66)	
Refrigerant Piping (single zone)	Type		Flare		Flare	
	Discharge	inches	1/4		1/4	
	Suction	inches	1/2		1/2	
Refrigerant Pipe Length		Ft.	65		100	
Elevation Difference*	Outdoor Above	Ft.	49		49	
	Outdoor Below	Ft.	49		49	
Dimensions & Weight			**Indoor Unit**	**Outdoor Unit**	**Indoor Unit**	**Outdoor Unit**
Height		inches	10-1/4	21-1/2	10-1/4	31-1/2
Width		inches	22-3/4	31	22-3/4	34-1/2
Depth		inches	22-3/4	11-1/2	22-3/4	12-3/4
Net Weight		Lbs.	40	82	40	132

4-Way Airflow Design Sends Cool Air in All Directions

Air is returned through the center of the grille, while evenly distributing air through each of the 4 supply air openings. Installation in the center of the room provides for the greatest comfort. However, 1 or 2 supply louvers can be closed for installation near 1 wall to provide 3 or 2 way airflow. Also, by closing off 1 supply louver.

Integrated Drain Pump

Drain pump is built into the unit to raise the condensate water up to 20" from the drain pump discharge to a gravity drain.



Slim Duct Heat Pumps

E9SD3UAW / E12SD3UAW / E18SD3UAW

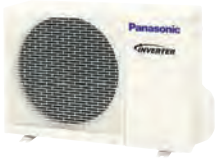
- Low Profile Concealed Hidden in Ceiling or Floor
- Provides Heating in Winter and Cooling in Summer
- Energy Efficient Inverter Driven Compressor
- Energy Efficient DC Fan Motor
- Air Flow Adjustment Dip Switch on Indoor Circuit Board

ENERGY STAR
(E9, E12 Only)

Wireless Controller with Receiver/Cable (Included)

Wired Controller with 32 ft cable **CZ-RD52DU** (Optional)

BLUE FIN CONDENSER



OUTDOOR UNIT
CU-E9SD3UA
CU-E12SD3UA

BLUE FIN CONDENSER

OUTDOOR UNIT
CU-E18SD3UA

Built-In Drain Pump

Drain pump is built into the unit to raise the condensate up 20 inches from the drain pump discharge.

Pipe diameters listed below are for single zone only. Multi-Zone pipe diameters on page 44.

SLIM DUCT					
	Indoor Single or Multi		Single or Multi	Single or Multi	Single or Multi
Series			**E9SD3UA**	**E12SD3UA**	**E18SD3UA**
Indoor Unit (order #)			**CS-E9SD3UAW**	**CS-E12SD3UAW**	**CS-E18SD3UAW**
Outdoor Unit (order #)			**CU-E9SD3UA**	**CU-E12SD3UA**	**CU-E18SD3UA**
Performance Ratings					
Capacity Rated (Range)	Cooling	Btu/h	9,000 (4,100–10,200)	11,500 (4,100–13,300)	17,200 (5,800–19,400)
	Heating	Btu/h	12,000 (4100–14100)	13,800 (4100–16300)	20,800 (5,800–24,200)
Moisture Removal	High	Pints/H	1.30	1.70	4.60
Dry Air Flow	Heating/Cooling	CFM	475/475	475/475	540/540
Static Pressure	(Standard / Switch Hi)	inch w.g.	0.10 / .022	0.10 / .022	0.10 / .023
SEER	Cooling		20.5	20.0	16.5
EER	Cooling		13.0	12.5	10.9
HSPF	Heating		10.0	10.0	8.5
Power Supply	V, Phase, Hz		208/230V, 1PH, 60Hz	208/230V, 1PH, 60Hz	208/230V, 1PH, 60Hz
Running Amps	Cooling	A	3.6 / 3.2	4.7 / 4.2	8.5 / 7.6
	Heating	A	5.7 / 5.1	6.3 / 5.6	9.8 / 8.7
Power Input	Cooling	W	690 (250–850)	920 (250–1150)	1.58k (430–1820)
	Heating	W	1.12k (200–1500)	1.25k (200–1710)	1.83k (380–2180)
Auxiliary Heater Connection		in. WC	Yes	Yes	Yes
Min. Circuit Ampacity		A	15	15	20
Max. Overcurrent Protection		A	15	15	25
Features					
Controls			Microprocessor	Microprocessor	Microprocessor
Low Ambient Control			Built-in	Built-in	Built-in
Wireless Controller			Included	Included	Included
Wired Remote Controller (optional)			CZ-RD52DU	CZ-RD52DU	CZ-RD52DU
Indoor Fan Speeds			5 speeds	5 speeds	5 speeds
Air Filter			NA	NA	NA
Duct Flange			NA	NA	NA
Refrigerant			R-410A	R-410A	R-410A
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve	Electric Expansion Valve
Operation Sound	Indoor (Hi/Med/Lo)	dB-A	35 / 28 / 25	35 / 28 / 25	41 / 30 / 37
	Outdoor (Hi)	dB-A	48	49	49
Refrigerant Piping	Type		Flare	Flare	Flare
	Discharge	inches	1/4	1/4	1/4
	Suction	inches	3/8	1/2	1/2
Refrigerant Pipe Length		Ft.	Max. 65.6	Max. 65.6	Max. 100
Elevation Difference	Outdoor Above	Ft.	49.2	49.2	49.2
	Outdoor Below	Ft.	49.2	49.2	49.2
Dimensions & Weight					
Indoor	Height	inches	7-7/8	7-7/8	7-7/8
	Width	inches	29-17/32	29-17/32	29-17/32
	Depth	inches	25-7/32	25-7/32	25-7/32
	Weight	Lbs.	42.0	42.0	42.0
Outdoor	Height	inches	21-11/32	21-11/32	31-5/16
	Width	inches	30-23/32	30-23/32	34-15/32
	Depth	inches	11-13/32	11-13/32	12-5/8"
	Weight	Lbs.	82.0	82.0	132.0

Multi-Zone Systems

Outdoor Units

See following pages for outdoor models specifications and combinations.

2 Zones (1.5 Ton)

CU-2E18SBU-5

ENERGY STAR

BLUE FIN CONDENSER

Cooling Capacity: 16,700 (7,200 - 20,000) Btu/hr.
Heating Capacity: 20,200 (7,200 - 24,600) Btu/hr.
SEER Non-Ducted 19.0 / Ducted 19.0
EER Non-Ducted 12.55 / Ducted 12.55
HSPF Non-Ducted 9.5 / Ducted 9.0
Min/Max capacity 11,000 - 21,800 Btu/hr.

2-3 Zones (1.5 Ton)

CU-3E19RBU-5

ENERGY STAR

(Non-Ducted)

BLUE FIN CONDENSER

Cooling Capacity: 19,000 (6,100 - 24,800) Btu/hr.
Heating Capacity: 26,000 (5,500 - 28,400) Btu/hr.
SEER Non-Ducted 22.0 / Ducted 18.5
EER Non-Ducted 12.55 / Ducted 10.85
HSPF Non-Ducted 10.5 / Ducted 9.0
Min/Max capacity 15,300 - 30,600 Btu/hr.

2-4 Zones (2 Ton)

CU-4E24RBU-5

ENERGY STAR

(Non-Ducted)

BLUE FIN CONDENSER

Cooling Capacity: 24,000 (10,200 - 31,400) Btu/hr.
Heating Capacity: 37,800 (14,300 - 48,500) Btu/hr.
SEER Non-Ducted 22.0 / Ducted 19.0
EER Non-Ducted 12.55 / Ducted 10.85
HSPF Non-Ducted 9.5 / Ducted 9.0
Min/Max capacity 15,300 - 30,600 Btu/hr.

2-5 Zones (3 Ton)

CU-5E36QBU-5

BLUE FIN CONDENSER

Cooling Capacity: 36,000 (9,900 - 39,000) Btu/hr.
Heating Capacity: 37,800 (11,600 - 49,500) Btu/hr.
SEER Non-Ducted 18.5 / Ducted 16.5
EER Non-Ducted 9.6 / Ducted 8.3
HSPF Non-Ducted 10.0 / Ducted 9.5
Min/Max capacity 15,300 - 59,500 Btu/hr.

All multi split condensors must have minimum two indoor units installed.

Advantages of Multi-Zone Inverter System

Advantages

- Year-round comfort with Multi-Zone Heating & Cooling.
- Combine low-energy Inverter Technology and Ductless Zone Control for optimum energy efficiency.
- Cool and Heat 2-5 rooms or a whole house with one outdoor condenser and up to 5 ductless indoor units.
- Eliminate cost of duct installation and cleaning.

nanoe™X ClimaPure™ Compatibility (CU-3E19RBU-5)

- Built-in air and surface purification technology that provides a comfortable environment for occupants by reducing pollutants and odours.

COMBINATION POSSIBILITIES

MULTI-ZONE		CU-2E18SBU-5	CU-3E19RBU-5	CU-4E24RBU-5	CU-5E36QBU-5
Wall	CS-ME5RKUA	✔	✔	✔	✔
	CS-ME7RKUA	✔	✔	✔	✔
	CS-E9RKUAW	✔	✔	✔	✔
	CS-E12RKUAW	✔	✔	✔	✔
	CS-E18RKUAW	—	✔	✔	✔
	CS-E24RKUAW	—	—	✔	✔
	CS-XE9WKUAW nanoeX	—	✔	—	—
	CS-XE12WKUAW nanoeX	✔	✔	✔	✔
	CS-XE15WKUAW nanoeX	—	✔	—	—
	CS-XE18WKUAW nanoeX	—	✔	—	—
	CS-XE24WKUAW nanoeX	—	—	—	—
4-Way	CS-ME9SB4U	✔	✔	✔	✔
	CS-E12RB4UW	✔	✔	✔	✔
	CS-E18RB4UW	—	✔	✔	✔
Ducted	CS-ME5SD3UA	✔	✔	✔	✔
	CS-ME7SD3UA	✔	✔	✔	✔
	CS-E9SD3UAW	✔	✔	✔	✔
	CS-E12SD3UAW	✔	✔	✔	✔
	CS-E18SD3UAW	—	✔	✔	✔
Capacity range of connectable indoor units		3.2 – 6.4 kW	4.5 – 9.0 kW	4.5 – 13.6 kW	4.5 – 17.5 kW
Piping Length	1 room maximum pipe length (m (ft))	25 (82.0)	25 (82.0)	25 (82.0)	25 (82.0)
	Allowable elevation (m (ft))	15 (49.2)	15 (49.2)	15 (49.2)	15 (49.2)
	Total allowable pipe length (m (ft))	50 (164.0)	50 (164.0)	70 (229.6)	80 (262.4)
	Total pipe length for maximum chargeless length (m (ft))	20 (65.6)	30 (98.4)	45 (147.6)	45 (147.6)
	Additional gas amount over chargeless length (g/m (oz/ft))	20 (0.2)	20 (0.2)	20 (0.2)	20 (0.2)

Multi-Zone Systems

Indoor Units

Wall Mount

Wireless App for XE series Only

Wireless Controller (Included)

Wired Controller with 32 ft cable
CZ-RD516C-1
(Optional)

CS-ME5RKUA / CS-ME7RKUA / CS-E9RKUAW / CS-E12RKUAW / CS-E18RKUAW
CS-XE9WKUAW / CS-XE12WKUAW / CS-XE15WKUAW / CS-XE18WKUAW

nanoe™X

4-Way Cassette

Wireless Controller (Included)

Wired Controller with 32 ft cable
CZ-RD52CU
(Optional)

CS-ME9SB4U / CS-E12RB4UW / CS-E18RB4UW

Slim Duct

Wireless Controller with Receiver/Cable (Included)

Wired Controller with 32 ft cable
CZ-RD52DU
(Optional)

CS-ME5SD3UA / CS-ME7SD3UA / CS-E9SD3UAW / CS-E12SD3UAW / CS-E18SD3UAW

All Indoor Multi-Zone units can be field modified to operate as Cooling Only.

Multi-Zone Systems

WALL MOUNT							
Model No.		CS-ME5RKUA	CS-ME7RKUA	CS-E9RKUAW	CS-E12RKUAW	CS-E18RKUAW	CS-E24RKUAW
Performance & Electrical Ratings							
Capacity	Cooling Btu/h	5,500 (4,400~7,800)	6,900 (6,100~9,900)	8,600 (6,100~9,900)	10,900 (6,100~13,000)	17,100 (6,500~19,800)	24,000 (5,800~27,200)
	Heating Btu/h	8,900 (4,100~10,900)	10,900 (4,100~14,000)	12,300 (4,100~14,700)	15,300 (4,100~19,800)	23.400 (19,400~4,100)	28,800 (5,800~29,200)
Moisture Removal	High Pints/H	0.6	0.8	1.1	1.3	3.0	7.6
Dry Air Flow	Heating/Cooling CFM	380/415	455/425	455/425	505/450	695/670	715/670
Power Supply	V, Phase, Hz	208/230V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz
Running Amps	Cooling A	2.0 / 2.3	2.5 / 2.8	3.2 / 3.5	3.9 / 4.3	7.2 / 8.0	10.8 / 11.9
	Heating A	3.0 / 3.4	3.7 / 4.1	4.7 / 5.2	6.0 / 6.6	8.3 / 9.3	11.4 / 12.6
Power Input	Cooling W	400 (250~640)	500 (340~810)	630 (340~810)	800 (340~1,360)	1,300 (430~1,600)	2,350 (430~2,720)
	Heating W	600 (300~960)	740 (300~1,230)	940 (300~1,230)	1,230 (200~2,100)	1,750 (380~1,800)	2,500 (380~2,660)
Operation Sound [Hi / Me / Lo / Q-Lo]	Cooling	38 / 25	39 / 25	40 / 25	43 / 28	47 / 39 / 36	48 / 40 / 37
	Heating	40 / 29	41 / 29	42 / 29	44 / 35 / 32	46 / 39 / 36	48 / 40 / 37
Refrigerant Tube Diameter	Discharge inches	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Suction inches	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
Adapters Required		none	none	none	CZ-MA1P-US	CZ-MA1P-US	CZ-MA2P-US and CZ-MA3P-US
Dimensions & Weight							
Height	inches	11-7/16"	11-7/16"	11-7/16"	11-7/16"	11-7/16"	11-7/16"
Width	inches	34-9/32"	34-9/32"	34-9/32"	34-9/32"	42-5/32"	42-5/32"
Depth	inches	8-7/16"	8-7/16"	8-7/16"	8-7/16"	9-15/32"	9-15/32"
Net Weight	lb	20.0	20.0	20.0	20.0	26.0	26.0

CLIMAPURE WALL MOUNT					
Model No.		CS-XE9WKUAW	CS-XE12WKUAW	CS-XE15WKAUW	CS-XE18WKUAW
Performance & Electrical Ratings					
Capacity	Cooling Btu/h	8,700 (2,800~12,000)	11,500 (2,800~14,000)	14,700 (2,800~14,000)	17,200 (5,800~19,800)
	Heating Btu/h	10,900 (3,000~18,000)	12,000(3,000~23,000)	17,200 (3,300~24,000)	20,400 (5,800~30,000)
Moisture Removal	High Pints/H	1.3	2.5	4	3.6
Dry Air Flow	Heating/Cooling CFM	380	415	430	560
Power Supply	V, Phase, Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Running Amps	Cooling A	2.6/2.9	3.8/4.2	5.4/6.0	6.2/6.9
	Heating A	3.2/3.6	3.8/4.2	5.8/6.6	7.7/8.7
Power Input	Cooling W	540	810	1170	1300
	Heating W	670	800	1260	1630
Operation Sound [Hi / Me / Lo / Q-Lo]	Cooling	42 / 25 / 20	45 / 28 / 20	45 / 37 / 34	47 / 39 / 36
	Heating	42 / 29 / 26	44 / 35 / 32	47 / 37 / 34	48 / 39 / 36
Refrigerant Tube Diameter	Discharge inches	1/4"	1/4"	1/4"	1/4"
	Suction inches	3/8"	1/2"	1/2"	1/2"
Dimensions & Weight					
Height	inches	11-5/8"	11-5/8"	11-5/8"	11-29/32"
Width	inches	34-9/32"	34-9/32"	34-9/32"	43-13/32"
Depth	inches	9-1/16"	9-1/16"	9-1/16"	9-5/8"
Net Weight	lb	24	24	24	33

Multi-Zone Systems

4-WAY CASSETTE					
Model No.			**CS-ME9SB4U**	**CS-E12RB4UW**	**CS-E18RB4UW**
Performance & Electrical Ratings					
Capacity	Cooling	Btu/h	8,600 (6,100 - 9,900)	10,900 (6,100~13,000)	171,000 (6,500~19,400)
	Heating	Btu/h	12,300 (4,100 - 14,700)	15,300 (4,100~19,800)	23,400 (4,100~23,600)
Moisture Removal	High	Pints/H	2.5	3.2	4.4
Dry Air Flow	Heating/Cooling	CFM	390/370	390/370	495/450
Power Supply	V, Phase, Hz		208/230V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz
Running Amps	Cooling	A	3.5 / 3.2	4.3 / 3.9	8.0 / 7.2
	Heating	A	5.2 / 4.7	6.6 / 6.0	10.7 / 9.7
Power Input	Cooling	W	630 (340 - 810)	800 (340~1,360)	1,550 (340~2.130)
	Heating	W	300 (940 - 1.2k)	1,230 (300~2,100)	2,100 (300~2,520)
Operation Sound [Hi / Me / Lo / Q-Lo]	Cooling		36 / 30 / 27	36 / 30	36 / 32
	Heating		37 / 32 / 29	36 / 32	46 / 33
Refrigerant Tube Diameter	Discharge	inches	1/4	1/4	1/4
	Suction	inches	3/8"	3/8	3/8
Adapters Required			none	CZ-MA1P-US	CZ-MA1P-US
Dimensions & Weight					
Indoor	Height	inches	10-1/4"	10-1/4	10-1/4
	Width	inches	22-3/4"	22-3/4	22-3/4
	Depth	inches	22-3/4"	22-3/4	22-3/4
	Net Weight	lb	40.0 (grille 6.0)	40.0	40.0

Pipe diameters listed below are for Multi-Zone installations. For Single zone pipe diameter see single zone product pages.

SLIM DUCT							
Model No.			**CS-ME5SD3UA**	**CS-ME7SD3UA**	**CS-E9SD3UAW**	**CS-E12SD3UAW**	**CS-E18SD3UAW**
Performance & Electrical Ratings							
Capacity	Cooling	Btu/h	5,500 (4,400 - 7,800)	6,900 (6,100 - 9,900)	9000 (4100-10200)	11500 (4100-13300)	17200 (5800-19400)
	Heating	Btu/h	8,900 (4,100 - 10,900)	10,900 (4,100 - 14,000)	12000 (4100-14100)	13800 (4100-16300)	20800 (5800-24200)
Moisture Removal	High	Pints/H	0.8	1.1	1.30	1.70	4.60
Dry Air Flow	Heating/Cooling	CFM	455/455	465/465	475/475	475/475	540/540
Static Pressure	(Standard / Switch Hi) w.g.	inch	0.10 / .022	0.10 / .022	0.10 / .022	0.10 / .022	0.10 / .023
Power Supply	V, Phase, Hz		208/230V, 1PH, 60Hz	208/230V, 1PH, 60Hz	208/230V, 1PH, 60Hz	208/230V, 1PH, 60Hz	208/230V, 1PH, 60Hz
Running Amps	Cooling	A	2.3 / 2.0	2.8 / 2.5	3.2	4.2	7.6
	Heating	A	3.4 / 3.0	4.1 / 3.7	5.1	5.6	8.7
Power Input	Cooling	W	400 (250 - 640)	500 (340 - 810)	690 (250 - 850)	920 (250 - 1.15k)	1.58k (430 - 1.82k)
	Heating	W	600 (300 - 960)	740 (300 - 1.23k)	1.12k (200 - 1.50k)	1.25k (200 - 1.71k)	1.83k (380 - 2.18k)
Operation Sound [Hi / Me / Lo / Q-Lo]	Cooling		35 / 28	36 / 29	35 / 28 / 25	35 / 28 / 25	41 / 30 / 37
	Heating		35 / 28	36 / 29	35 / 28 / 25	35 / 28 / 25	41 / 32 / 29
Refrigerant Tube Diameter	Discharge	inches	1/4"	1/4"	1/4	1/4	1/4
	Suction	inches	3/8"	3/8"	3/8	3/8	3/8
Adapters Required			none	none	none	CZ-MA1P-US	CZ-MA1P-US
Dimensions & Weight							
Indoor	Height	inches	7-7/8"	7-7/8"	7-7/8	7-7/8	7-7/8
	Width	inches	29-17/32"	29-17/32"	29-17/32	29-17/32	29-17/32
	Depth	inches	25-7/32"	25-7/32"	25-7/32	25-7/32	25-7/32
	Net Weight	lb	42.0	42.0	42.0	42.0	42.0

Important: You must use refrigerant piping rated for R410a.
*This is maximum elevation difference when the indoor unit is located above the outdoor unit. See pages 44-45 for additional information.

Multi-Zone Systems

-5°F Heat Operation

2 Zones (1.5 Ton)

CU-2E18SBU-5

Cooling Capacity: 16,700 (7,200 - 20,000) Btu/hr.
Heating Capacity: 20,200 (7,200 - 24,600) Btu/hr.
SEER Non-Ducted 19.0 / Ducted 19.0
EER Non-Ducted 12.55 / Ducted 12.55
HSPF Non-Ducted 9.5 / Ducted 9.0
Min/Max capacity 11,000 - 21,8000 Btu/hr.

CU-2E18SBU-5

Connect 2 Indoor Units

Wireless Controller (Included)

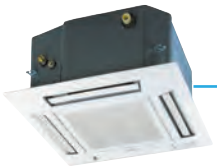
Wired Remote Controller **(CZ-RD516C-1)** (Optional)

Wireless App Control

Wireless Controller (Included)

Wired Controller with 32 ft cable **CZ-RD52CU** (Optional)

CZ-BT20U Grille Ordered Separately



See Multi-Zone Calculation and Selection Chart on page 40.

Outdoor Unit

MODEL NO.			CU-2E18SBU-5	
Performance			**Cooling**	**Heating**
Capacity		Btu/h	16,700 (7,200–20,000)	20,200 (7,200–24,600)
Air Circulation	High	CFM	1,447	
Number of Connectable Indoor Units			2	
SEER	Non-Ducted / Ducted		19.0 / 19.0	
EER	Non-Ducted / Ducted		12.55 / 12.55	
HSPF	Non-Ducted / Ducted		9.5 / 9.0	
Electrical Rating				
Power Supply		V, Phase, Hz	230V / 208V, 1PH, 60Hz	
Running Ampere	Non-Ducted / Ducted	A	6.6~6.0 / 6.6~6.0	8.5~7.8 / 8.5~7.8
Power Input		W	1,330	1,750
Maximum Fuse Size : MCA / MOCP		Amps	**20 / 25**	
Features				
Controls			Microprocessor	
Fan Speeds			Variable Speed	
Compressor			DC Inverter	
Refrigerant / Amount Charged at Shipment			R-410A / 78.70 oz	
Refrigerant Control			Electronic Expansion Valve	
Operation Sound	Hi	dB-A	48	49
Refrigerant Tubing Connections		Type	Flare	
Max. Allowable Tubing Length		Ft.	164 per system (82 per indoor unit)	
Refrigerant Tube Diameter (service value)	Discharge	inch	1/4" x 2	
	Suction	inch	3/8" x 2	
Adapter Required			Indoor 12K Btu/hr. requires 1 CZ-MA1P-US	
Dimensions & Weight				
Unit Dimensions	H x W x D	inch	31-5/16" x 34-15/32" (+3-3/4) x 14-3/6"	
Net Weight		Lbs.	157	

Important: You must use refrigerant piping rated for R410a. See page 44 for additional information.
*Test Conditions based on AHRI 210/240.

-5°F Heat Operation

2-3 Zones (1.5 Ton)

CU-3E19RBU-5

Cooling Capacity: 19,000 (6,100 - 24,800) Btu/hr
Heating Capacity: 26,000 (5,000 - 28,400) Btu/hr
SEER Non-Ducted 22.0 / Ducted 18.5
EER Non-Ducted 12.55 / Ducted 10.85
HSPF Non-Ducted 10.5 / Ducted 9.0
Min/Max capacity 15,300 - 30,600 Btu/hr

Wireless Controller (Included)

Wired Remote Controller **CZ-RD516C-1** (Optional)

Wireless App Control

Panasonic

Connect 2 to 3 Indoor Units

CS-ME5RKUA / CS-ME7RKUA / CS-E9RKUAW / CS-E12RKUAW / CS-E18RKUAW

CS-XE9WKUAW / CS-XE12WKUAW / CS-XE15WKUAW / CS-XE18WKUAW

nanoe X

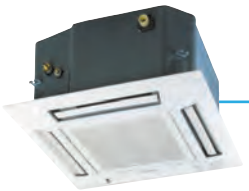
CU-3E19RBU-5

ENERGY STAR (Non-Ducted)

Wireless Controller (Included)

Wired Controller with 32 ft cable **CZ-RD52CU** (Optional)

CZ-BT20U



All multi-split condensors must have minimum two indoor units installed.

See Multi-Zone Calculation and Selection Chart on page 40.

Outdoor Unit

MODEL NO.			CU-3E19RBU-5	
Performance			**Cooling**	**Heating**
Capacity		Btu/h	19,000 (6,100~24,800)	26,000 (5,500~28,400)
Air Circulation	High	CFM	1,447	1,634
Number of Connectable Indoor Units			2-3	
SEER	Non-Ducted / Ducted		22.0 / 18.5	
EER	Non-Ducted / Ducted		12.55 / 10.85	
HSPF	Non-Ducted / Ducted		10.5 / 9.0	
Electrical Rating				
Power Supply		V, Phase, Hz	230V / 208V, 1PH, 60Hz	
Running Ampere	Non-Ducted / Ducted	A	7.4~6.7 / 8.5~7.7	10.1~9.1 / 12.3~11.1
Power Input		W	1,510 (360~2,420)	2,060 (320~2,300)
Maximum Fuse Size : MCA / MOCP		Amps	20/30	
Features				
Controls			Microprocessor	
Fan Speeds			Variable Speed	
Compressor			Twin Rotary, DC Motor, Inverter	
Refrigerant / Amount Charged at Shipment			R-410A / 93.2 oz	
Refrigerant Control			Electronic Expansion Valve	
Operation Sound	Hi	dB-A	50	52
Refrigerant Tubing Connections		Type	Flare	
Max. Allowable Tubing Length		Ft.	164 per system (82 per indoor unit)	
Refrigerant Tube Diameter (service value)	Discharge	inch	1/4" x 3	
	Suction	inch	3/8" x 3	
Adapter Required			Indoor 12k and 18k Btu/hr. require 1 CZ-MA1P-US	
Dimensions & Weight				
Unit Dimensions	H x W x D	inch	31-5/16 x 34-15/32 x 14-3/6	
Net Weight		Lbs.	159	

Important: You must use refrigerant piping rated for R410a. See page 44 for additional information.
*Test Conditions based on AHRI 210/240.

Multi-Zone Systems

-5°F Heat Operation

2-4 Zones (2 Ton)

A minimum of 2 indoor units must be connected.

CU-4E24RBU-5

Cooling Capacity: 24,000 (10,200 - 31,400) Btu/hr.
Heating Capacity: 37,800 (14,300 - 48,500) Btu/hr.
SEER Non-Ducted 22.0 / Ducted 19.0
EER Non-Ducted 12.55 / Ducted 10.85
HSPF Non-Ducted 9.5 / Ducted 9.0
Min/Max capacity 15,300 - 30,600 Btu/hr.

CU-4E24RBU-5

(Non-Ducted)

Wireless App Control

Wireless Controller (Included)

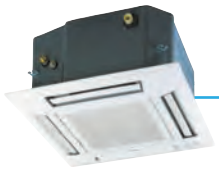
Wired Remote Controller **CZ-RD516C-1** (Optional)

Wireless Controller (Included)

Wired Controller with 32 ft cable **CZ-RD52DU** (Optional)

CZ-BT20U

Connect 2 to 4 Indoor Units



See Multi-Zone Calculation and Selection Chart on page 40.

Outdoor Unit

MODEL NO.			CU-4E24RBU-5	
Performance			**Cooling**	**Heating**
Capacity		Btu/h	24,000 (10,200~31,400)	37,800 (14,300~48,500)
Air Circulation	High	CFM	1,963	2,330
Number of Connectable Indoor Units			2~4	
SEER	Non-Ducted / Ducted		22.0 / 19.0	
EER	Non-Ducted / Ducted		12.55 / 10.85	
HSPF	Non-Ducted / Ducted		9.5 / 9.0	
Electrical Rating				
Power Supply		V, Phase, Hz	230V / 208V, 1PH, 60Hz	
Running Ampere	Non-Ducted / Ducted	A	9.9~8.9 / 11.4~10.3	15.3~13.9 / 17.8~16.1
Power Input		W	1,910 (530~2,870)	3,030 (700~4,380)
Maximum Fuse Size : MCA / MOCP		Amps	30/45	
Features				
Controls			Microprocessor	
Fan Speeds			Variable Speed	
Compressor			Twin Rotary, DC Motor, Inverter	
Refrigerant / Amount Charged at Shipment			R-410A / 120.0 oz	
Refrigerant Control			Electronic Expansion Valve	
Operation Sound	Hi	dB-A	55	55
Refrigerant Tubing Connections		Type	Flare	
Max. Allowable Tubing Length		Ft.	230 per system (82 per indoor unit)	
Refrigerant Tube Diameter (service value)	Discharge	inch	1/4" x 4	
	Suction	inch	3/8" x 4	
Adapter Required			Indoor 12k and 18k Btu/hr. require 1 CZ-MA1P-US / 24k Btu/hr. 1 CZ-MA1P-US and 1 CZ-MA3P-US**	
Dimensions & Weight				
Unit Dimensions	H x W x D	inch	39-11/32 x 37-1/32 x 13-13/32	
Net Weight		Lbs.	183	

Important: You must use refrigerant piping rated for R410a. See page 44 for additional information.
*Test Conditions based on AHRI 210/240.

-5°F Heat Operation

2-5 Zones (3 Ton)

A minimum of 2 indoor units must be connected.

CU-5E36QBU-5

Cooling Capacity: 36,000 (9,900 - 39,000) Btu/hr.
Heating Capacity: 37,800 (11,600 - 49,500) Btu/hr.
SEER Non-Ducted 18.5 / Ducted 16.5
EER Non-Ducted 9.6 / Ducted 8.3
HSPF Non-Ducted 10.0 / Ducted 9.5
Min/Max capacity 15,300 - 59,500 Btu/hr.

Wireless App Control

Wireless Controller (Included)

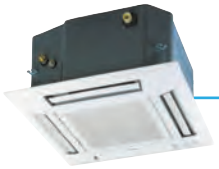
Wired Remote Controller **CZ-RD516C-1** (Optional)

Connect 2 to 5 Indoor Units

Wireless Controller (Included)

Wired Remote Controller **CZ-RD52CU** (Optional)

CZ-BT20U



CU-5E36QBU-5

(Non-Ducted)

See Multi-Zone Calculation and Selection Chart on page 41.

Outdoor Unit

MODEL NO.			CU-5E36QBU-5	
Performance			**Cooling**	**Heating**
Capacity		Btu/h	36,000 (9,900–39,000)	37,800 (11,600–49,500)
Air Circulation	High	CFM	2,475	
Number of Connectable Indoor Units			2-5	
SEER	Non-Ducted / Ducted		18.5 / 16.5	
EER	Non-Ducted / Ducted		9.6 / 8.3	
HSPF	Non-Ducted / Ducted		10.0 / 9.5	
Electrical Rating				
Power Supply		V, Phase, Hz	230V / 208V, 1PH, 60Hz	
Running Ampere	Non-Ducted / Ducted	A	19.0–17.2 / 21.1–19.1	14.8–13.4 / 17.5–15.8
Power Input		W	3,750 (550–3,860)	2,900 (530–4,240)
Maximum Fuse Size : MCA / MOCP		Amps	30/45	
Features				
Controls			Microprocessor	
Fan Speeds			Variable Speed	
Compressor			Twin Rotary, DC Motor, Inverter	
Refrigerant / Amount Charged at Shipment			R-410A / 120.0 oz	
Refrigerant Control			Electronic Expansion Valve	
Operation Sound	Hi	dB-A	55	
Refrigerant Tubing Connections		Type	Flare	
Max. Allowable Tubing Length		Ft.	262 per system (82 per indoor unit)	
Refrigerant Tube Diameter (service value)	Discharge	inch	1/4" x 5	
	Suction	inch	3/8" x 5	
Adapter Required			CZ-MA2P 1 pc for 12K & 18K / CZ-MA2P	
Indoor Adapter			Indoor 12k and 18k Btu/hr. require 1 CZ-MA2P-US / 24k Btu/hr. 1 CZ-MA1P-US and 1 CZ MA3P-US	
Dimensions & Weight				
Unit Dimensions	H x W x D	inch	39-11/32 x 37-1/32 x 13-13/32	
Net Weight		Lbs.	183	

Important: You must use refrigerant piping rated for R410a. See page 44 for additional information.
*Test Conditions based on AHRI 210/240.

Multi-Zone Combination Charts

Understanding total System Capacity is an important step in sizing and selecting heat pump equipment.

CU-2E18SBU-5
2 Zones
5 + 5
5 + 7
5 + 9
5 + 12
7 + 7
7 + 9
7 + 12
9 + 9
9 + 12
12 + 12

CU-3E19RBU-5		
2 Zones	3 Zones	
5 + 12	5 + 5 + 5	7 + 7 + 7
5 + 15	5 + 5 + 7	7 + 7 + 9
5 + 18	5 + 5 + 9	7 + 7 + 12
7 + 9	5 + 5 + 12	7 + 7 + 15
7 + 12	5 + 5 + 15	7 + 7 + 18
7 + 15	5 + 5 + 18	7 + 9 + 9
7 + 18	5 + 7 + 7	7 + 9 + 12
9 + 9	5 + 7 + 9	7 + 9 + 15
9 + 12	5 + 7 + 12	7 + 12 + 12
9 + 15	5 + 7 + 15	9 + 9 + 9
9 + 18	5 + 7 + 18	9 + 9 + 12
12 + 12	5 + 9 + 9	9 + 9 + 15
12 + 15	5 + 9 + 12	9 + 12 + 12
12 + 18	5 + 9 + 15	-
15 + 15	5 + 12 + 12	-
15 + 18	5 + 12 + 15	-

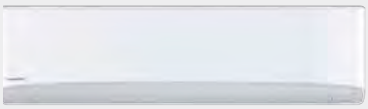
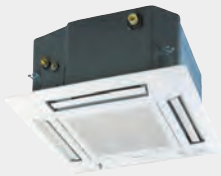
CU-4E24RBU-5					
2 Zones	3 Zones		4 Zones		
5 + 12	5 + 5 + 5	7 + 7 + 12	5 + 5 + 5 + 5	5 + 7 + 7 + 24	7 + 7 + 9 + 18
5 + 18	5 + 5 + 7	7 + 7 + 18	5 + 5 + 5 + 7	5 + 7 + 9 + 9	7 + 7 + 9 + 24
5 + 24	5 + 5 + 9	7 + 7 + 24	5 + 5 + 5 + 9	5 + 7 + 9 + 12	7 + 7 + 12 + 12
7 + 9	5 + 5 + 12	7 + 9 + 9	5 + 5 + 5 + 12	5 + 7 + 9 + 18	7 + 7 + 12 + 18
7 + 12	5 + 5 + 18	7 + 9 + 12	5 + 5 + 5 + 18	5 + 7 + 9 + 24	7 + 9 + 9 + 9
7 + 18	5 + 5 + 24	7 + 9 + 18	5 + 5 + 5 + 24	5 + 7 + 12 + 12	7 + 9 + 9 + 12
7 + 24	5 + 7 + 7	7 + 9 + 24	5 + 5 + 7 + 7	5 + 7 + 12 + 18	7 + 9 + 9 + 18
9 + 9	5 + 7 + 9	7 + 12 + 12	5 + 5 + 7 + 9	5 + 7 + 18 + 18	7 + 9 + 12 + 12
9 + 12	5 + 7 + 12	7 + 12 + 18	5 + 5 + 7 + 12	5 + 9 + 9 + 9	7 + 9 + 12 + 18
9 + 18	5 + 7 + 18	7 + 12 + 24	5 + 5 + 7 + 18	5 + 9 + 9 + 12	7 + 12 + 12 + 12
9 + 24	5 + 7 + 24	7 + 18 + 18	5 + 5 + 7 + 24	5 + 9 + 9 + 18	7 + 12 + 12 + 18
12 + 12	5 + 9 + 9	9 + 9 + 9	5 + 5 + 9 + 9	5 + 9 + 9 + 24	9 + 9 + 9 + 9
12 + 18	5 + 9 + 12	9 + 9 + 12	5 + 5 + 9 + 12	5 + 9 + 12 + 12	9 + 9 + 9 + 12
12 + 24	5 + 9 + 18	9 + 9 + 18	5 + 5 + 9 + 18	5 + 9 + 12 + 18	9 + 9 + 9 + 18
18 + 18	5 + 9 + 24	9 + 9 + 24	5 + 5 + 9 + 24	5 + 12 + 12 + 12	9 + 9 + 12 + 12
18 + 24	5 + 12 + 12	9 + 12 + 12	5 + 5 + 12 + 12	5 + 12 + 12 + 18	9 + 9 + 12 + 18
—	5 + 12 + 18	9 + 12 + 18	5 + 5 + 12 + 18	7 + 7 + 7 + 7	9 + 12 + 12 + 12
—	5 + 12 + 24	9 + 12 + 24	5 + 5 + 12 + 24	7 + 7 + 7 + 9	12 + 12 + 12 + 12
—	5 + 18 + 18	9 + 18 + 18	5 + 5 + 18 + 18	7 + 7 + 7 + 12	—
—	5 + 18 + 24	12 + 12 + 12	5 + 7 + 7 + 7	7 + 7 + 7 + 18	—
—	7 + 7 + 7	12 + 12 + 18	5 + 7 + 7 + 9	7 + 7 + 7 + 24	—
—	7 + 7 + 9	12 + 12 + 24	5 + 7 + 7 + 12	7 + 7 + 9 + 9	—
—	—	12 + 18 + 18	5 + 7 + 7 + 18	7 + 7 + 9 + 12	—

For 2 Zones, 4 Zones, and 5 Zones, the 9, 12, 18, 24 (kBTU/h) models refer to the Exterios E series only. The ClimaPure XE series with the same BTU cannot be connected in these zone settings.

For 3 Zones, both Exterios E series and ClimaPure XE series can be connected.

CU-5E36QBU-5									
2 Zones	3 Zones		4 Zones			5 Zones			
5 + 12	5 + 5 + 5	7 + 7 + 7	5 + 5 + 5 + 5	5 + 7 + 18 + 18	7 + 9 + 9 + 18	5 + 5 + 5 + 5 + 5	5 + 5 + 9 + 9 + 9	5 + 7 + 12 + 12 + 12	7 + 7 + 9 + 9 + 18
5 + 18	5 + 5 + 7	7 + 7 + 9	5 + 5 + 5 + 7	5 + 7 + 18 + 24	7 + 9 + 9 + 24	5 + 5 + 5 + 5 + 7	5 + 5 + 9 + 9 + 12	5 + 7 + 12 + 12 + 18	7 + 7 + 9 + 9 + 24
5 + 24	5 + 5 + 9	7 + 7 + 12	5 + 5 + 5 + 9	5 + 9 + 9 + 9	7 + 9 + 12 + 12	5 + 5 + 5 + 5 + 9	5 + 5 + 9 + 9 + 18	5 + 7 + 12 + 12 + 24	7 + 7 + 9 + 12 + 12
7 + 9	5 + 5 + 12	7 + 7 + 18	5 + 5 + 5 + 12	5 + 9 + 9 + 12	7 + 9 + 12 + 18	5 + 5 + 5 + 5 + 12	5 + 5 + 9 + 9 + 24	5 + 7 + 12 + 18 + 18	7 + 7 + 9 + 12 + 18
7 + 12	5 + 5 + 18	7 + 7 + 24	5 + 5 + 5 + 18	5 + 9 + 9 + 18	7 + 9 + 12 + 24	5 + 5 + 5 + 5 + 18	5 + 5 + 9 + 12 + 12	5 + 9 + 9 + 9 + 9	7 + 7 + 9 + 12 + 24
7 + 18	5 + 5 + 24	7 + 9 + 9	5 + 5 + 5 + 24	5 + 9 + 9 + 24	7 + 9 + 18 + 18	5 + 5 + 5 + 5 + 24	5 + 5 + 9 + 12 + 18	5 + 9 + 9 + 9 + 12	7 + 7 + 9 + 18 + 18
7 + 24	5 + 7 + 7	7 + 9 + 12	5 + 5 + 7 + 7	5 + 9 + 12 + 12	7 + 9 + 18 + 24	5 + 5 + 5 + 7 + 7	5 + 5 + 9 + 12 + 24	5 + 9 + 9 + 9 + 18	7 + 7 + 12 + 12 + 12
9 + 9	5 + 7 + 9	7 + 9 + 18	5 + 5 + 7 + 9	5 + 9 + 12 + 18	7 + 12 + 12 + 12	5 + 5 + 5 + 7 + 9	5 + 5 + 9 + 18 + 18	5 + 9 + 9 + 9 + 24	7+ 7 + 12 + 12 + 18
9 + 12	5 + 7 + 12	7 + 9 + 24	5 + 5 + 7 + 12	5 + 9 + 12 + 24	7 + 12 + 12 + 18	5 + 5 + 5 + 7 + 12	5 + 5 + 12 + 12 + 12	5 + 9 + 9 + 12 + 12	7 + 7 + 12 + 12 + 24
9 + 18	5 + 7 + 18	7 + 12 + 12	5 + 5 + 7 + 18	5 + 9 + 18 + 18	7 + 12 + 12 + 24	5 + 5 + 5 + 7 + 18	5 + 5 + 12 + 12 + 18	5 + 9 + 9 + 12 + 18	7 + 7 + 12 + 18 + 18
9 + 24	5 + 7 + 24	7 + 12 + 18	5 + 5 + 7 + 24	5 + 9 + 18 + 24	7 + 12 + 18 + 18	5 + 5 + 5 + 7 + 24	5 + 5 + 12 + 12 + 24	5 + 9 + 9 + 12 + 24	7 + 9 + 9 + 9 + 9
12 + 12	5 + 9 + 9	7 + 12 + 24	5 + 5 + 9 + 9	5 + 12 + 12 + 12	7 + 12 + 18 + 24	5 + 5 + 5 + 9 + 9	5 + 5 + 12 + 18 + 18	5 + 9 + 9 + 18 + 18	7 + 9 + 9 + 9 + 12
12 + 18	5 + 9 + 12	7 + 18 + 18	5 + 5 + 9 + 12	5 + 12 + 12 + 18	7 + 18 + 18 + 18	5 + 5 + 5 + 9 + 12	5 + 7 + 7 + 7 + 7	5 + 9 + 12 + 12 + 12	7 + 9 + 9 + 9 + 18
12 + 24	5 + 9 + 18	7 + 18 + 24	5 + 5 + 9 + 18	5 + 12 + 12 + 24	9 + 9 + 9 + 9	5 + 5 + 5 + 9 + 18	5 + 7 + 7 + 7 + 9	5 + 9 + 12 + 12 + 18	7 + 9 + 9 + 9 + 24
18 + 18	5 + 9 + 24	7 + 24 + 24	5 + 5 + 9 + 24	5 + 12 + 18 + 18	9 + 9 + 9 + 12	5 + 5 + 5 + 9 + 24	5 + 7 + 7 + 7 + 12	5 + 9 + 12 + 12 + 24	7 + 9 + 9 + 12 + 12
18 + 24	5 + 12 + 12	9 + 9 + 9	5 + 5 + 12 + 12	5 + 12 + 18 + 24	9 + 9 + 9 + 18	5 + 5 + 5 + 12 + 12	5 + 7 + 7 + 7 + 18	5 + 9 + 12 + 18 + 18	7 + 9 + 9 + 12 + 18
24 + 24	7 + 12 + 18	9 + 9 + 12	5 + 5 + 12 + 18	5 + 18 + 18 + 18	9 + 9 + 9 + 24	5 + 5 + 5 + 12 + 18	5 + 7 + 7 + 7 + 24	5 +12 + 12 + 12 + 12	7 + 9 + 9 + 12 + 24
—	7 + 12 + 24	9 + 9 + 18	5 + 5 + 12 + 24	7 + 7 + 7 + 7	9 + 9 + 12 + 12	5 + 5 + 5 + 12 + 24	5 + 7 + 7 + 9 + 9	5 +12 + 12 + 12 + 18	7 + 9 + 9 + 18 + 18
—	5 + 18 + 18	9 + 9 + 24	5 + 5 + 18 + 18	7 + 7 + 7 + 9	9 + 9 + 12 + 18	5 + 5 + 5 + 18 + 18	5 + 7 + 7 + 9 + 12	7 + 7 + 7 + 7 + 7	7 + 9 + 12 + 12 + 12
—	5 + 18 + 24	9 + 12 + 12	5 + 5 + 18 + 24	7 + 7 + 7 + 12	9 + 9 + 12 + 24	5 + 5 + 5 + 18 + 24	5 + 7 + 7 + 9 + 18	7 + 7 + 7 + 7 + 9	7 + 9 + 12 + 12 + 18
—	5 + 24 + 24	9 + 12 + 18	5 + 5 + 24 + 24	7 + 7 + 7 + 18	9 + 9 + 18 + 18	5 + 5 + 7 + 7 + 7	5 + 7 + 7 + 9 + 24	7 + 7 + 7 + 7 + 12	7 + 12 + 12 + 12 + 12
—	—	9 + 12 + 24	5 + 7 + 7 + 7	7 + 7 + 7 + 24	9 + 9 + 18 + 24	5 + 5 + 7 + 7 + 9	5 + 7 + 7 + 12 + 12	7 + 7 + 7 + 7 + 18	7 + 12 + 12 + 12 + 18
—	—	9 + 18 + 18	5 + 7 + 7 + 9	7 + 7 + 9 + 9	9 + 12 + 12 + 12	5 + 5 + 7 + 7 + 12	5 + 7 + 7 + 12 + 18	7 + 7 + 7 + 7 + 24	9 + 9 + 9 + 9 + 9
—	—	9 + 18 + 24	5 + 7 + 7 + 12	7 + 7 + 9 + 12	9 + 12 + 12 + 18	5 + 5 + 7 + 7 + 18	5 + 7 + 7 + 12 + 24	7 + 7 + 7 + 9 + 9	9 + 9 + 9 + 9 + 12
—	—	9 + 24 + 24	5 + 7 + 7 + 18	7 + 7 + 9 + 18	9 + 12 + 12 + 24	5 + 5 + 7 + 7 + 24	5 + 7 + 7 + 18 + 18	7 + 7 + 7 + 9 + 12	9 + 9 + 9 + 9 + 18
—	—	12 + 12 + 12	5 + 7 + 7 + 24	7 + 7 + 9 + 24	9 + 12 + 18 + 18	5 + 5 + 7 + 9 + 9	5 + 7 + 9 + 9 + 9	7 + 7 + 7 + 9 + 18	9 + 9 + 9 + 9 + 24
—	—	12 + 12 + 18	5 + 7 + 9 + 9	7 + 7 + 12 + 12	9 + 18 + 18 + 18	5 + 5 + 7 + 9 + 12	5 + 7 + 9 + 9 + 12	7 + 7 + 7 + 9 + 24	9 + 9 + 9 + 12 + 12
—	—	12 + 12 + 24	5 + 7 + 9 + 12	7 + 7 + 12 + 18	12 + 12 + 12 + 12	5 + 5 + 7 + 9 + 18	5 + 7 + 9 + 9 + 18	7 + 7 + 7 + 12 + 12	9 + 9 + 9 + 12 + 18
—	—	12 + 18 + 18	5 + 7 + 9 + 18	7 + 7 + 12 + 24	12 + 12 + 12 + 18	5 + 5 + 7 + 9 + 24	5 + 7 + 9 + 9 + 24	7 + 7 + 7 + 12 + 18	9 + 9 + 9 + 18 + 18
—	—	12 + 18 + 24	5 + 7 + 9 + 24	7 + 7 + 18 + 18	12 + 12 + 12 + 24	5 + 5 + 7 + 12 + 12	5 + 7 + 9 + 12 + 12	7 + 7 + 7 + 12 + 24	9 + 9 + 12 + 12 + 12
—	—	12 + 24 + 24	5 + 7 + 12 + 12	7 + 7 + 18 + 24	12 + 12 + 18 + 18	5 + 5 + 7 + 12 + 18	5 + 7 + 9 + 12 + 18	7 + 7 + 7 + 18 + 18	9 + 9 + 12 + 12 + 18
—	—	18 + 18 + 18	5 + 7 + 12 + 18	7 + 9 + 9 + 9	—	5 + 5 + 7 + 12 + 24	5 + 7 + 9 + 12 + 24	7 + 7 + 9 + 9 + 9	9 + 12 + 12 + 12 + 12
—	—	18 + 18 + 24	5 + 7 + 12 + 24	7 + 9 + 9 + 12	—	5 + 5 + 7 + 18 + 18	5 + 7 + 9 + 18 + 18	7 + 7 + 9 + 9 + 12	9 + 12 + 12 + 12 + 18
—	—	—	—	—	—	5 + 5 + 7 + 18 + 24	—	—	—

Remote Controllers – Residential (RAC)

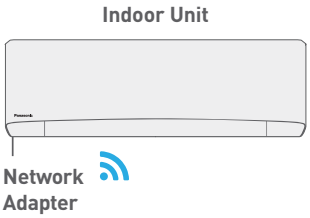
SERIES		WIRELESS	WIRED
 ClimaPure™ XE	CS-XE9WKUAW CS-XE12WKUAW CS-XE15WKUAW CS-XE18WKUAW CS-XE24WKUAW	 (Included)	 **CZ-RD516C-1** (Optional)
 Exterios E	CS-ME5RKUA CS-ME7RKUA CS-E9RKUAW CS-E12RKUAW CS-E18RKUAW CS-E24RKUAW	 (Included)	
 Pro Series	CS-RE9SKUA CS-RE12SKUA CS-RE18SKUA CS-RE24SKUA	 (Included)	
 Slim Duct	CS-ME5SD3UA CS-ME7SD3UA CS-E9SD3UAW CS-E12SD3UAW CS-E18SD3UAW	 (Included)	 **CZ-RD52DU** (Option)
 4-Way Cassette	CS-ME9SB4U CS-E12RB4UW CS-E18RB4UW	 (Included)	 **CZ-RD52CU** (Option)

Panasonic Built-in Wi-Fi and App

A new built-in Network Adapter that allows you to control your heat pump from everywhere.

Available with ClimaPure™ XE Series

- CS-XE9WKUAW
- CS-XE12WKUAW
- CS-XE15WKUAW
- CS-XE18WKUAW
- CS-XE24WKUAW



- Requires the APP to work with a smartphone with Android 8.1 or above, or iOS 14.7 or above. However, it can't be guaranteed that the APP will work well with all Android OS versions.
- The Network Adapter is designed specifically as a terminal for Panasonic Comfort Cloud App.
- The Wireless LAN network coverage must reach the air conditioner installation location.

Specification

Network Adapter	Wireless LAN Module (built-in)
Model	DNSK-P11
Input Voltage	DC 5V (From Air Conditioner Indoor Unit)
Current Consumption	Tx/Rx max. 290/100 mA
Wireless LAN standard	IEEE 802.11 b/g/n
Frequency range	2.4 GHz band
Encryption	WPA2-PSK (TKIP/AES)

Maximum radio-frequency power transmitted in the frequency bands

Type of wireless	Frequency band	Max. EIRP (dBm)
WLAN	12 - 2472 MHz	20 dBm

App Instructions

For Android user (Android 8.1 or above)

- Open GET IT ON Google Play
- Search for "Panasonic Comfort Cloud."
- Download and install.

For iOS user (iOS 14.7 or above)

- Open Download on the App Store
- Search for "Panasonic Comfort Cloud."
- Download and install.

For models that do not have built-in Wi-Fi, a Wi-Fi adapter such as USPA-AC-WIFI-1B must be used. Having Wi-Fi connection does not mean being able to control the indoor unit via the Comfort Cloud App. The adapter can be controlled via AC Cloud Control App. The Comfort Cloud App is only available for use with the ClimaPure XE model.

Pipe Lengths, Fittings, Elevations and Refrigerant

SYSTEM MODEL	SYSTEM MODEL	OD Tube Size (inches)		Maximum Length of Tubing between In/ Outdoor (ft)	Maximum Elevation Difference between In/Outdoor (ft)		Maximum Length (ft) without Adding Refrigerant	Required Additional Refrigerant Oz/ft	Insulation
		Narrow	Wide		Outdoor Above	Outdoor Below			
Wall Mount	XE9WKUA	1/4	3/8	66	49	49	25	R410A 0.2	Both Tubes
	XE12WKUA	1/4	1/2	66	49	49	25	R410A 0.2	Both Tubes
	XE15WKUA	1/4	1/2	66	49	49	25	R410A 0.2	Both Tubes
	XE18WKUA	1/4	1/2	100	49	49	33	R410A 0.2	Both Tubes
	XE24WKUA	1/4	5/8	100	49	49	33	R410A 0.2	Both Tubes
	XE9SKUA	1/4	3/8	66	49	49	25	R410A 0.2	Both Tubes
	XE12SKUA-1	1/4	1/2	66	49	49	25	R410A 0.2	Both Tubes
	XE15SKUA-1	1/4	1/2	66	49	49	25	R410A 0.3	Both Tubes
	E9RKUA	1/4	3/8	66	49	49	25	R410A 0.2	Both Tubes
	E12RKUA	1/4	1/2	66	49	49	25	R410A 0.2	Both Tubes
	E18RKUA	1/4	1/2	100	49	49	33	R410A 0.3	Both Tubes
	E24RKUA	1/4	5/8	100	49	49	33	R410A 0.3	Both Tubes
	RE9SKUA	1/4	3/8	49	49	49	25	R410A 0.2	Both Tubes
	RE12SKUA	1/4	1/2	49	49	49	25	R410A 0.2	Both Tubes
	RE18SKUA	1/4	1/2	66	49	49	33	R410A 0.3	Both Tubes
	RE24SKUA	1/4	5/8	66	49	49	33	R410A 0.3	Both Tubes
4-Way Cassette	E12RB4U	1/4	1/2	66	49	49	25	R410A 0.2	Both Tubes
	E18RB4U	1/4	1/2	100	49	49	33	R410A 0.3	Both Tubes
Concealed Duct	E9SD3UA	1/4	3/8	66	49	49	25	R410A 0.2	Both Tubes
	E12SD3UA	1/4	1/2	66	49	49	25	R410A 0.2	Both Tubes
	E18SD3UA	1/4	1/2	100	49	49	25	R410A 0.3	Both Tubes
Multi-Split	CU-2E18SBU-5	1/4	3/8*	82	49	25	66	R410A 0.2	Both Tubes
	CU-3E19RBU-5	1/4	3/8	82	49	25	98	R410A 0.2	Both Tubes
	CU-4E24RBU-5	1/4	3/8	82	49	25	147	R410A 0.2	Both Tubes
	CU-5E36QBU-5	1/4	3/8*	80	49	25	150	R410A 0.2	Both Tubes

Important: You must use refrigerant piping rated for R410a.
*Reducing adapter may be required depending on indoor model to be used with. Obtain the adapter from your local HVAC supplier.

Operation Range

XE9/12/15/18/24 Models — **Single Zone**

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	32°C (89.6°F) DB / 23°C (73.4°F) WB	46°C (114.8°F) DB / 26°C (78.8°F) WB
	Minimum	16°C (60.8°F) DB / 11°C (51.8°F) WB	–17C (0F) DB / - WB
Heating	Maximum	30°C (86F) DB / - WB	23.8°C (75°F) DB / 17.7°C (64°F) WB
	Minimum	20.4°C (68.8°F) DB / - WB	–9.4°C (15°F) DB / -8.8°C (16°F) WB

Exterios E (CU-E 9/12/18/24 RKUA) — **Single Zone**

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	32.4°C (90.4°F) DB / 23.3°C (74°F) WB	46.1°C (115°F) DB / 26.1°C (79°F) WB
	Minimum	16.1°C (61°F) DB / 11.1°C (52°F) WB	–17°C (0°F) DB / - WB
Heating	Maximum	30°C (86°F) DB / - WB	23.3°C (75°F) DB / 17.7°C (64°F) WB
	Minimum	16.1°C (61°F) DB / - WB	-20.5°C (-5°F) DB / -14°C (6.8°F) WB

Pro RE (CU-RE 9/12/18/24 SKUA) — **Single Zone**

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	32.4°C (90.4°F) DB / 23.3°C (74°F) WB	46.1°C (115°F) DB / 26.1°C (79°F) WB
	Minimum	16.1°C (61°F) DB / 11.1°C (52°F) WB	–17°C (0°F) DB / - WB
Heating	Maximum	30°C (86°F) DB / - WB	23.3°C (75°F) DB / 17.7°C (64°F) WB
	Minimum	16.1°C (61°F) DB / - WB	–20°C (–4°) DB / –21°C (–5.8°F) WB

4-Way Ceiling Cassette (CU-E 12/18 RB4U) — **Single Zone**

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	32.2°C (90°F) DB / 23.3°C (74°F) WB	46.1°C (115°F) DB / 26.1°C (79°F) WB
	Minimum	16.1°C (61°F) DB / 11.1°C (52°F) WB	–17°C (0°F) DB / - WB
Heating	Maximum	30°C (86°F) DB / - WB	23.3°C (75°F) DB / 17.7°C (64°F) WB
	Minimum	16.1°C (61°F) DB / - WB	–15°C (5°F) DB / -16°C (3.2°F) WB

Slim Duct (CU-E 9/12/18 SD3UA) — **Single Zone**

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	32.4°C (90.4°F) DB / 23.3°C (74°F) WB	46.1°C (115°F) DB / - WB
	Minimum	15.5°C (60°F) DB / 11.1°C (52°F) WB	–17°C (0°F) DB / - WB
Heating	Maximum	30°C (86°F) DB / - WB	23.3°C (75°F) DB / 17.7°C (64°F) WB
	Minimum	16.1C (61F) DB / - WB	–20°C (-4°F) DB / –20°C (-4°F) WB

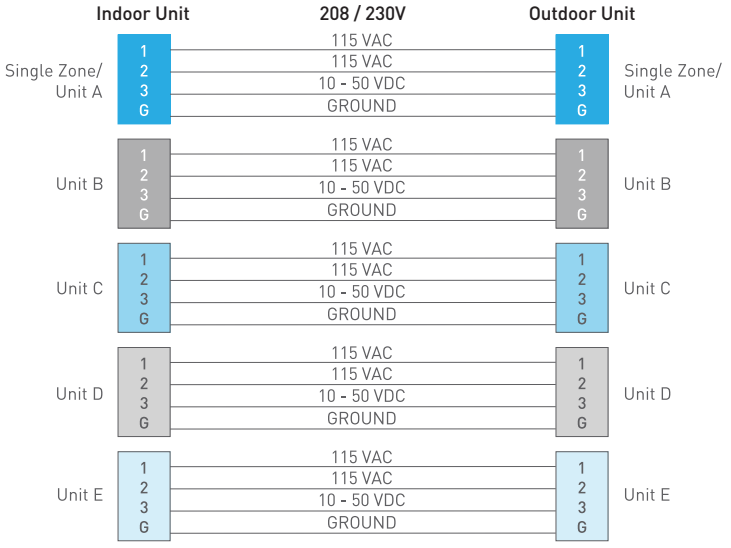
CU-2E18SBU-5 — **Multi-Zone**

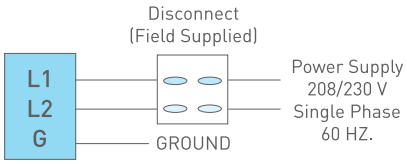
	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	32.4°C (90.4°F) DB / 23.3°C (74°F) WB	46.1°C (115°F) DB / 26.1°C (79°F) WB
	Minimum	16.1°C (61°F) DB / 11.1°C (52°F) WB	–10°C (14°F) DB / - WB
Heating	Maximum	30°C (86°F) DB / - WB	24°C (75.2°F) DB / 18°C (64.4°F) WB
	Minimum	16.1°C (61°F) DB / - WB	–26.1°C (-15°F) DB / -26.6°C (-16°F) WB

CU-3E19RBU-5 / CU-4E24RBU-5 / CU-5E36QBU-5 — **Multi-Zone**

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	32°C (89.6°F) DB / 23°C (73.4°F) WB	46°C (114.8°F) DB / 26°C (78.8°F) WB
	Minimum	16°C (60.8°F) DB / 11°C (51.8°F) WB	–10°C (14°F) DB / - WB
Heating	Maximum	30°C (86°F) DB / - WB	24°C (75.2°F) DB / 18°C (64.4°F) WB
	Minimum	16°C (60.8°F) DB / - WB	–20.5°C (–5°F) DB / –21.6°C (–6.8°F) WB

Single & Multi-Zone Wiring





UL Listed or CSA approved 4 conductor wires minimum AWG16. Wiring size may vary based on length and should be verify with a licensed electrician. Supply power and inter connecting wiring must be ran in separate conduits.

NOTES

NOTES

Panasonic®

Use of the AHRI Certified™ mark indicates a manufacture's participation in the certification program. For verification of certification for individual products, go to www.ahridirectory.org

Quality Management System Certificate

Certified to ISO 9001: 2008
Cert. No.: MY-AR 1010

Certified to ISO 9001: 2008

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Cert. No.: MY-AR 1010

Environmental Management System Certificate

Certified to ISO 14001: 2004
Cert. No.: MY-ER 0112

Certified to ISO 14001: 2004

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Cert. No.: MY-ER 0112

CAUTION RELATED TO SAFETY
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.

Standard warranty - 7 years compressor/5 years parts. For extended product warranty, please contact your local authorized dealer for more information.

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