Panasonic

2018 Full Line Catalog

Air Conditioning and Heat Pump Products

ENERGY STAR

INVERTER

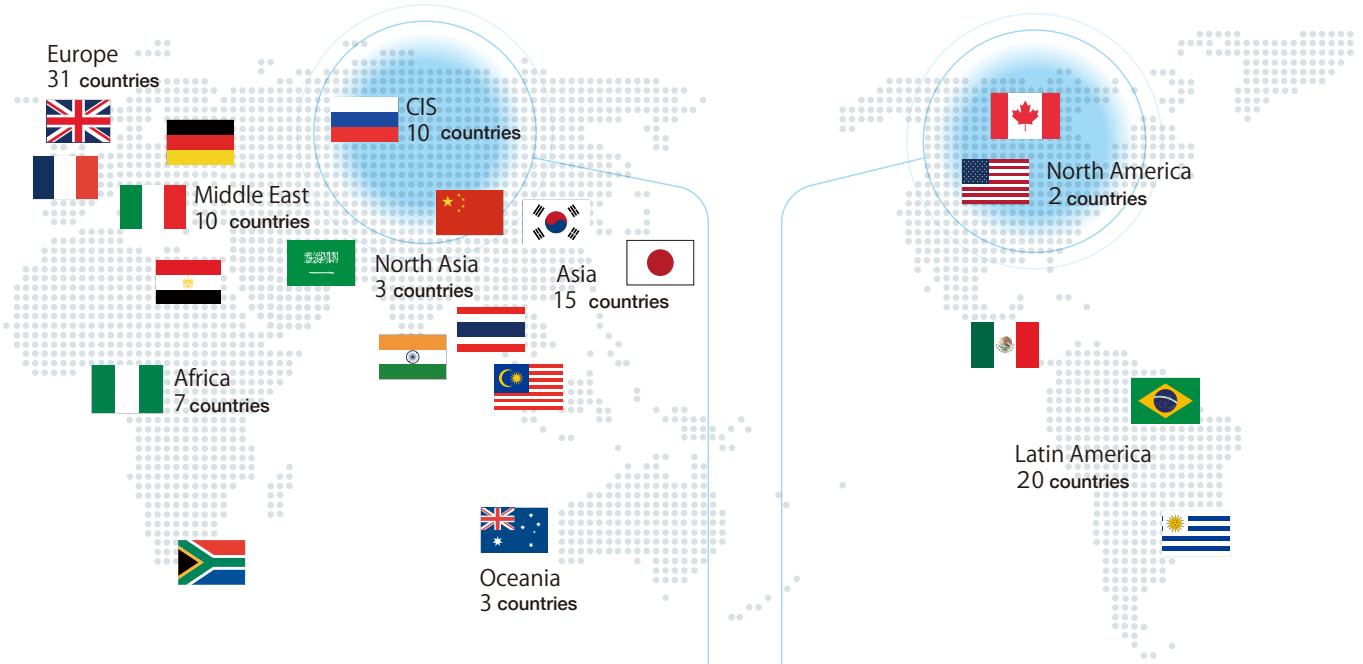
NEW PRODUCT LINE UP

April 2018

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.

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 –15˚F heat operation

INDEX

Rugged design that continues to operate high cold climate of -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.

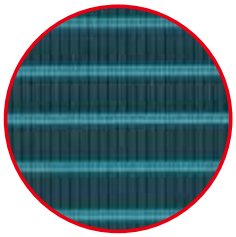
2 Inverter Technology

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.

performance even in

TOUGHNESS

Rugged body



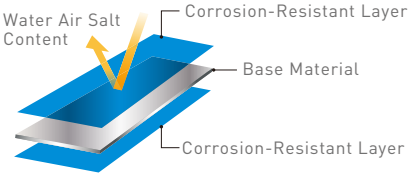
4 Blue Fin Condenser

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.

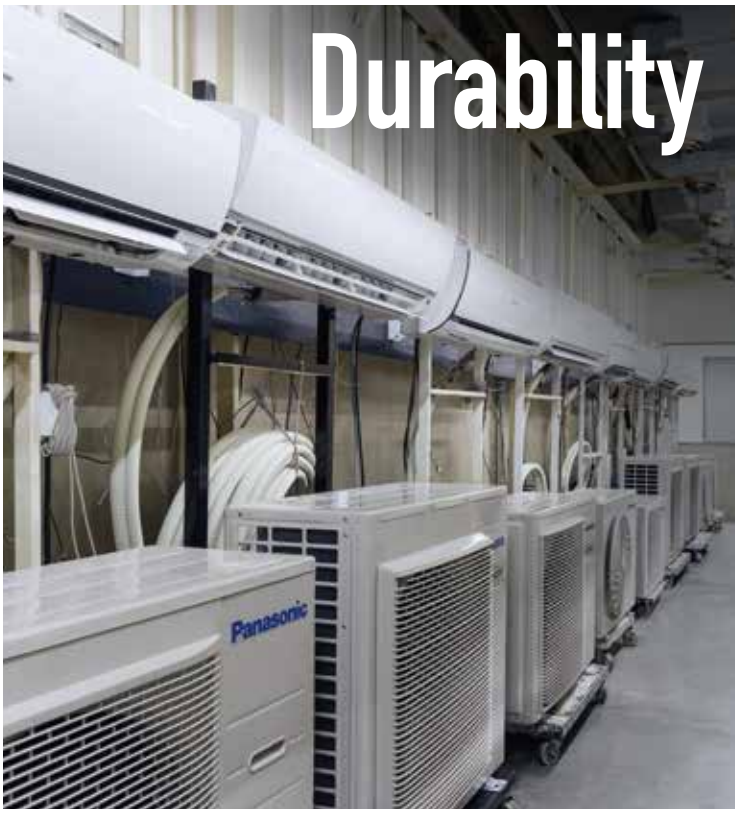
Silicone Coating

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

6 Powder Coated Finish

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

Reliability and exceptional quality with over

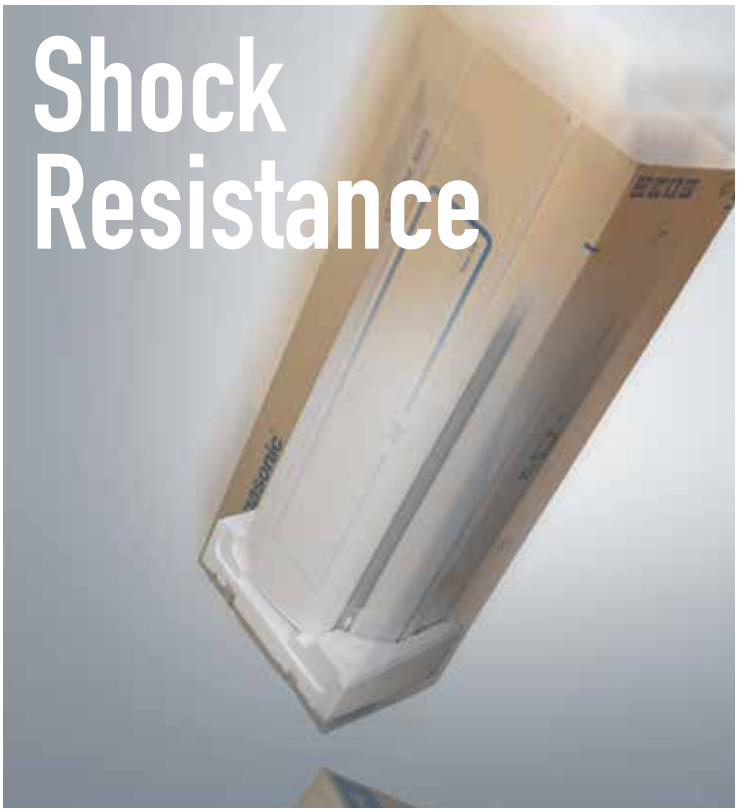


A rugged design ensures that the air conditioners will continue to keep the room comfortable, and provide reliable operation for many years.
Panasonic believes this is the true value of an air conditioner and the reason we subject them to a wide range of stringent durability tests.

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

Panasonic conduct 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 130°F down to -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 with the large 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.

200 quality assurance tests.

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.

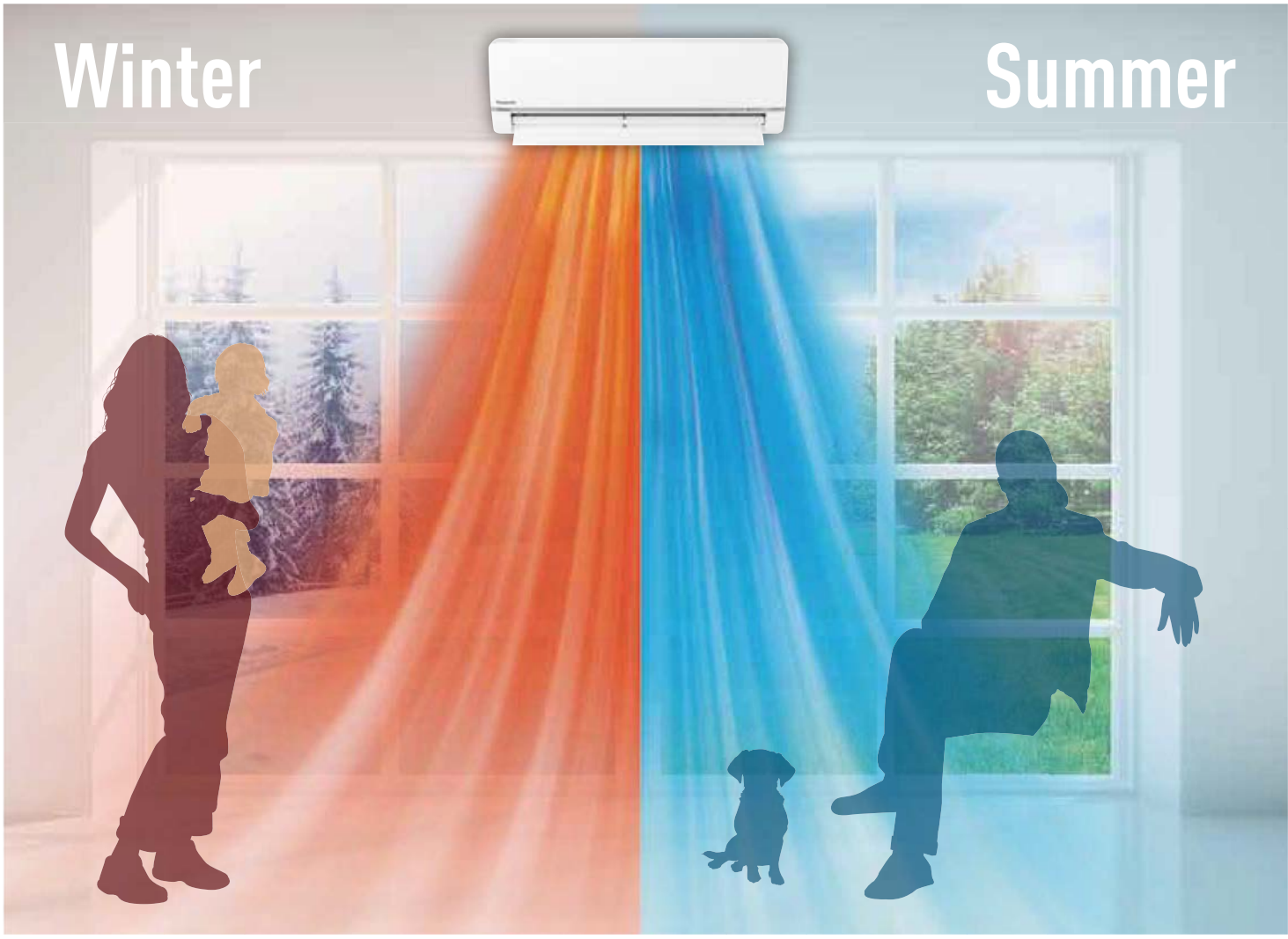
Panasonic continues to offer the highest quality with the lowest possible environment impact. The fundamental principles of Panasonic products naturally apply to air conditioners. In order to live up to our reputation for quality, we work to overcome challenges and devote maximum efforts all over the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

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

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

Panasonic "eco ideas" factories reduce CO_2 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-



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

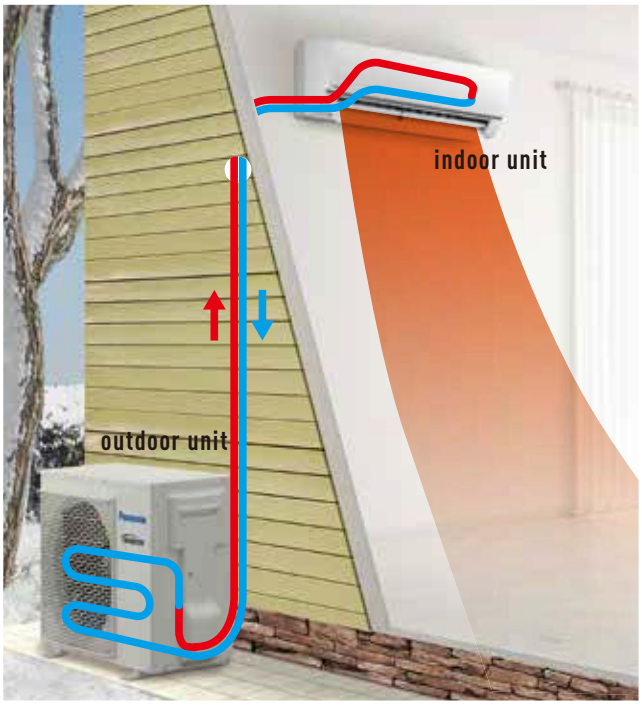
Precise temperature control with a wide power output range enables an Inverter air conditioner/heat pump to meet different room occupancy levels, providing constant comfort.

in-one providing year-round comfort.

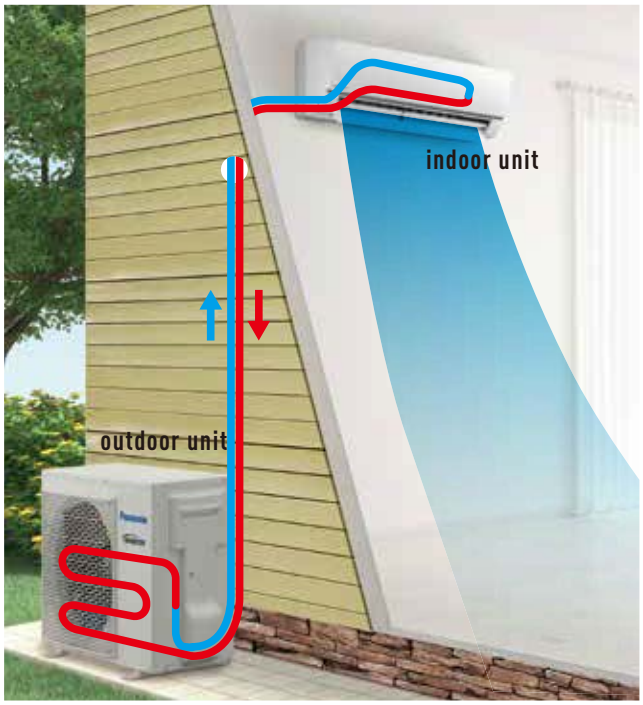
All seasons

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 air conditioner/heat pump 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.

Optimum Performance while reducing Energy Usage

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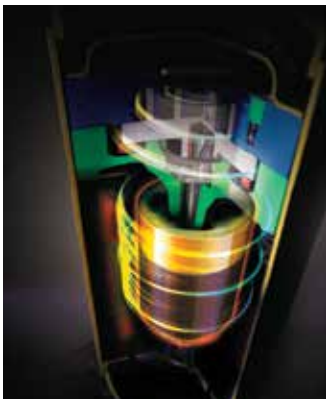
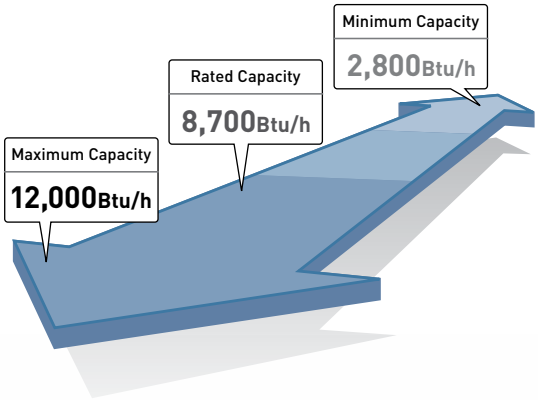


■Wider Output Power Range



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 location.
- Changes in human activity.
- Changes in human presence.

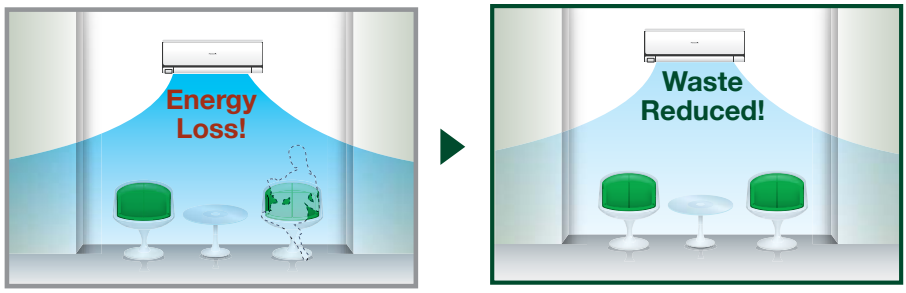
EXECUTE
- Adjusts airflow direction.
- Low activity: Auto increase set temperature.
- Absence: Auto increase set temperature.

Energy Saving and Comfort Through Sensor Technology

ECONAVI 3 Sensors

1. Absence Detection **Human Activity Sensor**

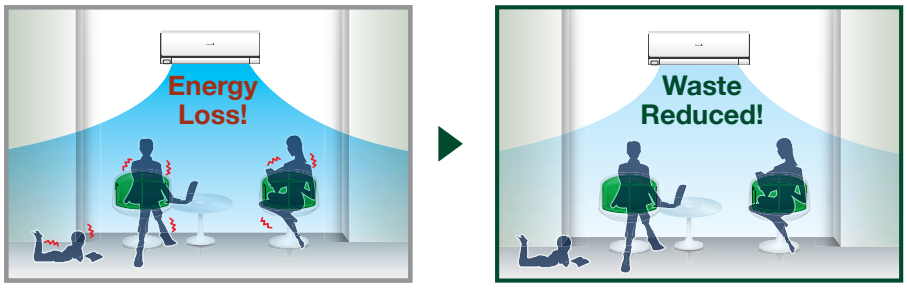
Reduces energy usage when no activity is detected.



Switches from high operation to reduce cooling.

2. Activity Detection **Human Activity Sensor**

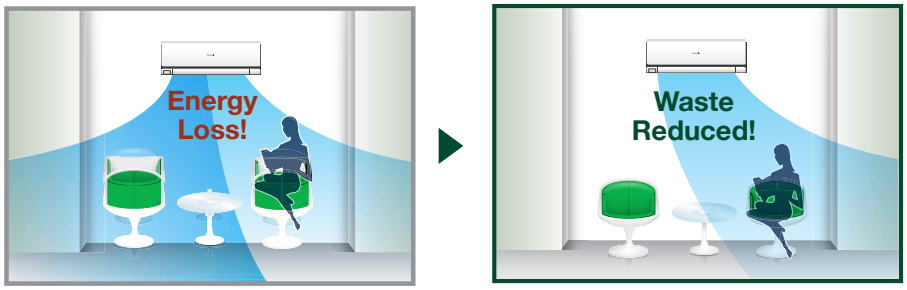
When activity is detected, sensors start working to efficiently cool the zone.



Switches from high to mild cooling.

3. Area Search **Human Activity Sensor**

Area Search is activated when activity detection is located in one side of the room vs. the other.



Sends cool air only to areas where people are.

Air Conditioners and Heat Pumps 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)
SEER (Non-Ducted / Ducted)			19.0 / 19.0	22.0 / 18.5	22.0 / 19.0	18.5 / 16.5
HSPF (Non-Ducted / Ducted)			9.5 / 9.0	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-E9RKUAW	CS-E9RKUAW
	Wall Mount 12,000 Btu/h		CS-E12RKUAW	CS-E12RKUAW	CS-E12RKUAW	CS-E12RKUAW
	Wall Mount 18,000 Btu/h		N/A	CS-E18RKUAW	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 35 and 36.

SINGLE ZONE: RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS

Residential								
		System Btu/h		9,000	12,000	15,000	18,000	24,000
EXTERIOS A2 -15 Degree	Up To 30.6 SEER 14.0 HSPF	Outdoor Unit		CU-XE9SKUA	CU-XE12SKUA-1	CU-XE15SKUA-1	N/A	N/A
		Wall Mount		CS-XE9SKUA	CS-XE12SKUA-1	CS-XE15SKUA-1	N/A	N/A
EXTERIOS B -5 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 -4 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 5 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 -5 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

		System Btu/h		26,000	30,000	36,000	42,000
-4 Degree	up to 16.7 SEER 10.1 HSPF	Outdoor Unit		U-26PE1U6	CU-KE30NKU	CU-KE36NKU	N/A
		Wall Mount		S-26PK2U6	CS-KE30NKU	CS-KE36NKU	N/A
-4 Degree	up to 18.0 SEER 9.5 HSPF	Outdoor Unit		U-26PE1U6	N/A	U-36PE1U6	U-42PE1U6*
		Ceiling Suspended		S-26PT2U6	N/A	S-36PT2U6	S-42PT2U6
-4 Degree	up to 18.0 SEER 9.0 HSPF	Outdoor Unit		U-26PE1U6	N/A	U-36PE1U6	U-42PE1U6*
		4-Way Cassette		S-26PU2U6	N/A	S-36PU2U6	S-42PU2U6
-4 Degree	up to 14.0 SEER 9.0 HSPF	Outdoor Unit		U-26PE1U6	N/A	U-36PE1U6	N/A
		Concealed Duct		S-26PF2U6	N/A	S-36PF2U6	N/A

		SINGLE SPLIT COOLING ONLY					
Low Ambient 0 Degree	16 SEER	Outdoor Unit		N/A	CU-KS30NKUA	CU-KS36NKUA	N/A
		Wall Mount		N/A	CS-KS30NKU	CS-KS36NKU	N/A

Representative product images shown here. See product page for actual model images.
*See image of U-42PE1U6 double fan unit page 21.

Model Feature Chart

		HEAT PUMPS										LOW-AMBIENT COOLING ONLY
	Wall Mounted	XE9SKUA XE12SKUA-1 XE15SKUA-1*	E9RKUA E12RKUA E18RKUA E24RKUA	RE9SKUA RE12SKUA RE18SKUA RE24SKUA	KE30NKU KE36NKU		26PEK2U6					KS30NKUA KS36NKUA
	Ceiling							26PET2U6 36PET2U6 42PET2U6				
	4-Way Cassette					E12RB4U E18RB4U			26PEU2U6 36PEU2U6 42PEU2U6			
	Ducted									26PEF2U6 36PEF2U6	E9SD3UAW E12SD3UAW E18SD3UAW	
ECO NAVI D	**ECONAVI DUAL SENSOR**	✓										
ECO NAVI M	**ECONAVI MONO SENSOR**	✓	✓				Option	Option	Option	Option		
DRY	**Dry Mode**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blue Fin Condenser	**Blue Fin Condenser**	✓	✓	✓							✓	
	Room Freeze Protection	✓										
	Microprocessor-Controlled Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Wireless Remote Controller	✓	✓	✓	✓	✓	✓	Option	Option	Option	✓	✓
	Wired Remote Controller	Option	Option		Option	Option	Option	✓	✓	✓	Option	Option
	Self-Diagnosing Function	✓	✓	✓	✓	✓						✓
AUTO	5 Fan Speeds and Automatic Fan Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Air Sweep Control	✓	✓	✓	✓	✓	✓	✓	✓			✓
	Louver Control	✓	✓	✓	✓	✓	✓	✓	✓			✓
	Base Pan Heater	✓										
COOLING HEATING	Automatic Heating and Cooling Changeover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	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	✓	✓	✓	Option	
	System Controller						Option	Option	Option	Option		
Filter sign	Filter Sign	Option	Option			Option	✓	✓	✓	✓	Option	
	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	✓	✓	✓	✓	✓					✓	✓
	3M/Anti-microbial Filter	✓	✓									

Features

ECONAVI Dual/Mono sensor

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

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 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 always comfortable.

Wireless Remote Control

Panasonic's infrared Remote Control with and 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.

Dry Mode

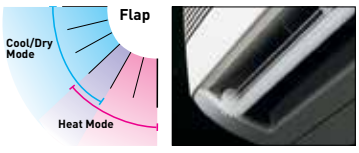
By coupling compressor and fan operation, intermittent operation can be precisely controlled according to room temperature, so that air is efficiently dehumidified.

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 and providing comfort in every corner.



Base Pan Heater

Exterios XE models include a base pan heater that prevents 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).

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.

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.

Automatic Restart Function after Power Failure

Hot Start Heating System

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

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

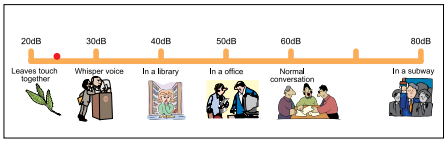
Low Ambient heating operation models range from 5°F to -15°F

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.



Filter Sign

Filter sign informs you when filter maintenance is necessary.

XE/E series with CZ-RDC516C-1

Self-Diagnosing Function

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

(Example of CZ-RTC2)

Anti-Microbial Filter

Anti-microbial Filter by 3M. This filter is treated to inhibit the growth of mold and mildew, and helps create clean air.

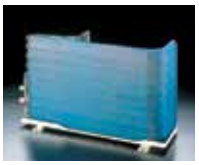
Test Comparison

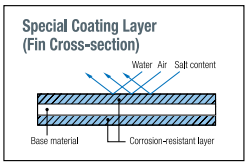
	Microbial Growth Rating	
	7 days	28days
Anti-microbialFilter	No growth	No growth
Normal Filter Paper	60% growth	60% growth

*Tested per ASTM G21-96

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.





EXTERIOS XE

XE9SKUA **XE12SKUA-1** **XE15SKUA-1**

Wireless Controller (Included)

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

Indoor Unit

CS-XE9SKUA / CS-XE12SKUA-1 / CS-XE15SKUA-1

Outdoor Unit

CU-XE9SKUA / CU-XE12SKUA-1 / CU-XE15SKUA-1

(optional) (optional) (optional)

Wall Mount Heat Pumps									
Model No.			**XE9SKUA**		**XE12SKU-1**		**XE15SKUA-1**		
Unit Model No.			**Indoor Unit** CS-XE9SKUA	**Outdoor Unit** CU-XE9SKUA	**Indoor Unit** CS-XE12SKUA-1	**Outdoor Unit** CU-XE12SKUA-1	**Indoor Unit** CS-XE15SKUA-1	**Outdoor Unit** CU-XE15SKUA-1	
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	8,700 (2,800–12,000)		11,500 (2,800–14,000)		15,000 (3,300–19,000)		
	Heating	Btu/h	10,900 (3,000–18,000) (10,600 at 17˚F)		12,500 (3,000–23,000) (12,500 at 17˚F)		17,200 (3,300–24,000) (18,200 at 17˚F)		
Moisture Removal	High	Pints/H	1.3		2.3		2.70		
Dry Air Flow	High	CFM	470		520		550		
SEER	Cooling		30.6		26.2		22.10		
EER	Cooling		17.05		14.7		12.50		
HSPF	Heating		14.0		12.5		12.00		
Power Supply	V, Phase, Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		
Running Amps	Cooling	A	2.4 / 2.7		3.7 / 4.1		5.7 / 6.3		
	Heating	A	3.1 / 3.5		4.4 / 4.9		5.9 / 6.7		
Power Input	Cooling	W	510 (150–850)		780 (150–1,050)		1.20k (250–1.90k)		
	Heating	W	670 (150–1,650)		950 (150–2,100)		1.30k (200–2.65k)		
Base Pan Heater		W	80		80		80		
Fuse or Circuit Breaker Capacity		A	15		20		25		
Features									
Controls			Microprocessor		Microprocessor		Microprocessor		
Low Ambient Control			Equipped		Equipped		Equipped		
Wireless Controller			Included		Included		Included		
Wired Remote Controller(optional)			CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1		
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto		
Timer			24-hr Program		24-hr Program		24-hr Program		
Air Deflection	Horizontal		Automatic		Automatic		Automatic		
	Vertical		Automatic		Automatic		Automatic		
Air Filter			Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		
Refrigerant			R-410A		R-410A		R-410A		
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		
Operation Sound	In (Hi / Me / Lo)	dB-A	42 / 29 / 26		44 / 35 / 32		47 / 37 / 34		
	Outdoor (Hi)	dB-A	48		49		55		
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. 65.6		
Elevation Difference*	Outdoor Above	Ft.	Max. 49.2		Max. 49.2		Max. 49.2		
	Outdoor Below	Ft.	Max. 49.2		Max. 49.2		Max. 49.2		
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
Height		inches	11-5/8	27-3/8	11-5/8	27-3/8	11-5/8	27-3/8	
Width		inches	34-9/32	34-15/32	34-9/32	34-15/32	34-9/32	34-15/32	
Depth		inches	10-1/16	12-5/8	10-1/16	12-5/8	10-1/16	12-5/8	
Net Weight		Lbs.	24	97	24	97	24	106	

Important: You must use refrigerant piping rated for R410a.

ECONAVI Dual Sensor · ECONAVI Mono Sensor · Room Freeze Protection · Micro-processor Control · Wireless Controller · Wired Controller · Self Diagnose · Dry · 5 Fan speeds · Air sweep · Louver · Base Pan Heater · Auto-change over · Hot Start · 24hr timer

The latest breakthrough in energy efficiency and high performance.

Powerful Heating at Low Ambient Temperatures

Operational heat capacity down to -15˚F provides heating in extreme cold climate regions.

Prevent Freezing Maintain Efficiency

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

Room Freeze Protection

Prevents plumbing damage due to sub-freezing temperatures.
Automatically turns on compressor for heat pump operation if the room temperature falls below 46˚F.

High Energy Efficiency up to 30.6 SEER, 14.0 HSPF

XE series are among the highest cooling and heating efficient models in the industry. Thanks to this exceptional performance, you will enjoy even more comfort and cost savings.

Automatically Sense Room Condition and Optimize Operation

ECONAVI's Intelligent Dual Sensor monitors absence, activity level and activity location to direct energy–efficient conditioned air for ultimate comfort.

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.

Weekly Timer · Filter sign · Auto Restart · Low Ambient Operation · Elect.Valve · R-410A Refrigerator · Quiet · Anti-microbial Filt. · Blue Fin

Deluxe Series Wall-Mount Heat Pump

EXTERIOS E

E9RKUA / E12RKUA

Indoor Unit
CS-E9RKUAW / CS-E12RKUAW

ECONAVI

ENERGY STAR

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

ENERGY STAR

(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.

ECO NAVI (optional) DRY AUTO COOLING HEATING 24H PROGRAM WEEKLY Timer (optional) Filter sign (optional) LOW AMBIENT ELECTRIC R-410A Quiet mode Blue Fin Condenser

Pipe diameters listed below are for single zone only. Multi zone pipe diameters on page 45.

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	High	CFM	425		450		670		670	
SEER	Cooling		23.0		22.5		19.5		19.0	
EER	Cooling		13.0		12.5		13.2		10.2	
HSPF	Heating		11.0		11.0		10.0		10.0	
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)	
Back-up Heater		kW	---		---		---		---	
Fuse or Circuit Breaker Capacity		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	
Air Filter			Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter	
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 2one)	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 p.45 for additional information.

ECO NAVI ECONAVI Mono Sensor · Room Freeze Protection · Micro-processor Control · Wireless Controller · Wired Controller · Self Diagnose · DRY Dry · AUTO 5 Fan speeds · Air Sweep · Louver · COOLING HEATING Auto-change over · Hot Start · 24H PROGRAM 24hr timer

Pro Series Wall-Mount Heat Pump

RE9SKUA / RE12SKUA

Indoor Unit
CS-RE9SKUA / CS-RE12SKUA

Wireless Controller (Included)

Outdoor Unit
CU-RE9SKUA / CU-RE12SKUA

Blue Fin Condenser

RE18SKUA / RE24SKUA

Indoor Unit
CS-RE18SKUA / CS-RE24SKUA

Wireless Controller (Included)

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	High	CFM	425		450		670		670	
SEER	Cooling		16.0		16.0		16.0		16.0	
EER	Cooling		10.45		10.6		12.25		9.2	
HSPF	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	
	Heating	A	4.6 / 4.2		4.5 / 4.0		6.9 / 6.2		8.8 / 7.9	
Power Input	Cooling	W	860 (250c1,000)		1,130 (250–1,300)		1,400 (430–1,550)		2,370 (430–2,550)	
	Heating	W	950 (200–1,500)		910 (200–1,710)		1,380 (380–1,750)		1,780 (380–2,450)	
Back-up Heater		kW	---		---		---		---	
Fuse or Circuit Breaker Capacity		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)			N/A		N/A		N/A		N/A	
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	
Air Filter			Washable		Washable		Washable		Washable	
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 p.45 for additional information.

1H Timer 1hr off timer · WEEKLY Timer Weekly Timer · System Controller · Filter sign · Auto Restart · Branch Extension · D.P. Drain Pump · LOW AMBIENT Low Ambient Operation · ELECTRIC Elect.Valve · R-410A R-410A Refrigerator · Quiet · Anti-microbial Filt. · Blue Fin

26PEK2U6

Indoor Unit
S-26PK2U6

ECONAVI (Option)

Outdoor Unit
U-26PE1U6

Wireless Controller (Included)

Wired Remote Controller CZ-RTC4 (Optional)

High-spec Wired Remote Controller CS-RTC5A (Optional)

Cooling Only: 26PEK2U6 may be field configured for cooling only.

KE30NKU / KE36NKU

Indoor Unit
CS-KE30NKU / CS-KE36NKU

Outdoor Unit
CU-KE30NKU / CU-KE36NKU

Wireless Controller (Included)

Wired Remote Controller CZ-RD515U controller CZ-RC515UA wire harness (Optional)

Wall Mount Heat Pumps									
Model No.			**26PEK2U6**		**KE30NKU**		**KE36NKU**		
Unit Model No.			**Indoor Unit S-26PK2U6**	**Outdoor Unit U-26PE1U6**	**Indoor Unit CS-KE30NKU**	**Outdoor Unit CU-KE30NKU**	**Indoor Unit CS-KE36NKU**	**Outdoor Unit CU-KE36NKU**	
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	24,000 (9,500–24,000)		30,600 (10,900–30,600)		34,000 (10,900–34,000)		
	Heating	Btu/h	27,600 (8,000–27,600)		33,000 (14,000–33,000)		36,000 (14,000–36,000)		
Moisture Removal	High	Pints/H	5.7		9.57		10.64		
Dry Air Flow	Hi / Med / Low	CFM	650 / 512 / 406		630 / 530 / 412		630 / 530 / 412		
SEER	Cooling		16.7		16		16		
EER	Cooling		8.5		9.3		8.5		
HSPF	Heating		10.1		9.0		9.0		
Power Supply	V, Phase, Hz		230V / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		
Running Amps	Cooling	A	15.0 / 16.6		16.5 (5–16.5) / 18.0		20 (5–20) / 21.9		
	Heating	A	13.2 / 14.6		15.3 (4.5–15.3) / 16.3		18.2 (4.5–18.2) / 19.9		
Power Input	Cooling	W	2,820 / 2,820		3,290		4,000		
	Heating	W	2,490 / 2,490		3,070		3,650		
Back-up Heater		kW	---		---		---		
Fuse or Circuit Breaker Capacity		A	15	30	35		45		
Features									
Controls			Microprocessor		Microprocessor		Microprocessor		
Low Ambient Control			Built-in 0˚F		Built-in 0˚F		Built-in 0˚F		
Wireless Remote Controller			Included		Included		Included		
Wired Remote Controller (optional)			CZ-RTC4 & CZ-RTC5		CZ-RD515U & CZ-RC515UA		CZ-RD515U & CZ-RC515UA		
Fan Speeds			3 and Automatic Control / Variable		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto		
Timer			24-hr Program		1-hr OFF and 24-hr Program		1-hr OFF and 24-hr Program		
Air Deflection	Horizontal		---		Manual		Manual		
	Vertical		Automatic		Automatic		Automatic		
Air Filter			Washable		Washable		Washable		
Refrigerant			R-410A		R-410A		R-410A		
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		
Operation Sound	In (Hi / Me / Lo / Qt)	dB-A	49 / 44 / 39 / 32		49 / 44 / 39 / 32		49 / 44 / 39 / 32		
	Outdoor (Hi)	dB-A	55		55		55		
Refrigerant Piping	Type		Flare		Flare		Flare		
	Discharge	inches	3/8		3/8		3/8		
	Suction	inches	5/8		5/8		5/8		
Refrigerant Pipe Length		Ft.	Max. 165		Max. 164		Max. 164		
Elevation Difference*	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100		
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50		
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
Height		inches	11-13/16	30-23/32	11-3/16	35-13/16	11-3/16	35-13/16	
Width		inches	41-15/16	37	41-15/16	37-1/32	41-15/16	37-1/32	
Depth		inches	9-1/16	13-3/8	9-1/16	13-3/8	9-1/16	13-3/8	
Net Weight		Lbs.	32.0	128.0	32.0	185.0	32.0	185.0	

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 p.45 for additional information.

ECONAVI Mono Sensor · Room Freeze Protection · Micro-processor Control · Wireless Controller · Wired Controller · Self Diagnose · Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Hot Start · 24hr timer

Wall-Mount Air Conditioners

Low Ambient Models

KS30NKUA** / KS36NKUA**

Indoor Unit
CS-KS30NKU / CS-KS36NKU

Outdoor Unit
CU-KS30NKUA / CU-KS36NKUA

Wireless Controller (Included)

Wired Remote Controller
CZ-RD515U controller
CZ-RC515UA wire harness
(Optional)

(optional)

Wall Mount Air Conditioners						
Model No.			**KS30NKUA**		**KS36NKUA**	
Unit Model No.			**Indoor Unit**	**Outdoor Unit**	**Indoor Unit**	**Outdoor Unit**
			CS-KS30NKU	**CU-KS30NKUA**	**CS-KS36NKU**	**CU-KS36NKUA**
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	30,600 (10,900–30,600)		34,000 (10,900–34,000)	
	Heating	Btu/h	---		---	
Moisture Removal	High	Pints/H	9.57		10.64	
Dry Air Flow	Hi / Med / Low	CFM	630 / 530 / 412		630 / 530 / 412	
SEER	Cooling		16.0		16.0	
EER	Cooling		9.3		8.5	
HSPF	Heating		---		---	
Power Supply		V, Phase, Hz	230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz	
Running Amps	Cooling	A	16.5 / 18		20 / 21.9	
	Heating	A	---		---	
Power Input	Cooling	W	3,290		4,000	
	Heating	W	---		---	
Back-up Heater		kW	---		---	
Fuse or Circuit Breaker Capacity		A	35		45	
Features						
Controls			Microprocessor		Microprocessor	
Low Ambient Control			Built-in 0˚F		Built-in 0˚F	
Wireless Remote Controller			Included		Included	
Wired Remote Controller (optional)			CZ-RD515U & CZ-RC515UA		CZ-RD515U & CZ-RC515UA	
Fan Speeds			Hi / Me / Lo & Auto		Hi / Me / Lo & Auto	
Timer			1-hr OFF and 24-hr Program		1-hr OFF and 24-hr Program	
Air Deflection	Horizontal		Manual		Manual	
	Vertical		Automatic		Automatic	
Air Filter			Washable		Washable	
Refrigerant			R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In (Hi / Me / Lo / Qt)	dB-A	49 / 44 / 39 / 32		49 / 44 / 39 / 32	
	Outdoor (Hi)	dB-A	55		55	
Refrigerant Piping	Type		Flare		Flare	
	Discharge	inches	3/8		3/8	
	Suction	inches	5/8		5/8	
Refrigerant Pipe Length		Ft.	Max. 164		Max. 164	
Elevation Difference**	Outdoor Above	Ft.	Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-3/16	35-13/16	11-3/16	35-13/16
Width		inches	41-15/16	37-1/3	41-15/16	37-1/32
Depth		inches	9-1/16	13-3/8	9-1/16	13-3/8
Net Weight		Lbs.	32	183	32	183

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 p.45 for additional information.

**Not for sale in CA, AZ, NV and NM.

1H Timer 1hr off timer · Weekly Timer · System Controller · Filter sign · Auto Restart · Branch Extension · Drain Pump · Low Ambient Operation · Elect.Valve · R-410A Refrigerator · Quiet · Anti-microbial Filt. · Blue Fin

26PET2U6 / 36PET2U6 / 42PET2U6

ECONAVI
(Optional)

Indoor Unit
S-26PT2U6 / S-36PT2U6 / S-42PT2U6

Outdoor Unit
U-26PE1U6
U-36PE1U6

Outdoor Unit
U-42PE1U6

CZ-RWST2U*
Wireless Controller with Receiver
(Optional)

CZ-CENSC1*
Econavi Sensor
(Optional)

CZ-RTC4*
Standard Wired Remote Controller
(Optional)

CZ-RTC5A*
High-spec Wired Remote Controller
(Optional)

Cooling Only: Unit may be field configured for cooling only.

*Order Separately:
<Wireless controller> or <Wired controller with optional ECONAVI sensor>

(optional) (optional) (Heat Pump) (Heat Pump) (optional) (Heat Pump)

Application Example

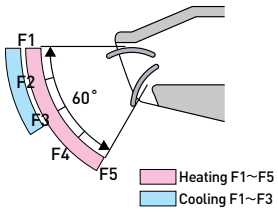
The ceiling-mounted unit is equipped with a highly efficient, multi-blade centrifugal fan that generates a powerful, yet gentle airflow throughout the room.

A redesigned aerodynamically tested louver structure minimizes operational sound even at high fan speed.

ECONAVI Mono Sensor · Room Freeze Protection · Micro-processor Control · Wireless Controller · Wired Controller · Self Diagnose · Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Hot Start · 24hr timer

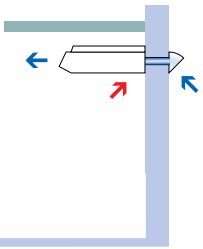
Auto-Louver Function Provides Airflow During Heating or Cooling Operation.

Auto-louver function is a standard feature which provides optimum airflow during heating or cooling operation. Angle of louver is automatically set for heating or cooling. For example, when heating with fan speed set to low, the discharge is aimed downward so that warm air reaches the floor. The louver angle can be set to between 4°F above and 80°F below the horizontal in five steps. An auto-sweep function to distribute the airflow over a wide area is also provided. Wind direction is adjusted automatically in both heating and cooling operation. The louver can also be set to swing automatically from F1 to F5 in any operation mode (heat pump type only).



Fresh Air Intake Capability and Duct Extension

Ceiling-suspended models have the capability of bringing fresh air from outside using an air-intake duct (field supplied).



Ceiling									
			Heat Pumps						
Model No.			**26PET2U6**		**36PET2U6**		**42PET2U6**		
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
			S-26PT2U6	**U-26PE1U6**	**S-36PT2U6**	**U-36PE1U6**	**S-42PT2U6**	**U-42PE1U6**	
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	24,000 (9,500~24,000)		32,600 (9,500~32,600)		39,000 (14,000~39,000)		
	Heating	Btu/h	27,000 (8,000~27,000)		36,200 (8,000~36,200)		44,500 (13,500~44,500)		
Moisture Removal	High	Pints/H	5.3		6.5		8.4		
Dry Air Flow	Hi / Med / Low	CFM	742 / 636 / 547		1,059 / 883 / 812		1,201/ 989 / 848		
SEER	Cooling		16.8		18.0		16.7		
EER	Cooling		8.9		9.2		9.4		
HSPF	Heating		9.4		9.5		10.2		
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		
Running Amps	Cooling	A	14.4 / 15.9		16.6 / 18.3		21.2 / 23.4		
	Heating	A	12.9 / 14.3		13.9 / 15.4		19.6 / 21.7		
Power Input	Cooling	W	2,700 / 2,700		3,550 / 3,550		4,160 / 4,160		
	Heating	W	2,430 / 2,430		3,000 / 3,000		3,860 / 3,860		
Fuse or Circuit Breaker Capacity		A	15	30	15	35	15	40	
Features									
Controls			Microprocessor		Microprocessor		Microprocessor		
Low Ambient Control (for Cooling)			Built-in 0°F		Built-in 0°F		Built-in 0°F		
Wireless Remote Controller (optional)			CZ-RWST2U		CZ-RWST2U		CZ-RWST2U		
Wired Remote Controller (optional)			CZ-RTC4 / CZ-RTC5		CZ-RTC4 / CZ-RTC5		CZ-RTC4 / CZ-RTC5		
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		
Timer			7 Days / 6 Events		7 Days / 6 Events		7 Days / 6 Events		
Air Deflection	Horizontal		---		---		---		
	Vertical		Automatic		Automatic		Automatic		
Air Filter			Washable		Washable		Washable		
Refrigerant			R-410A		R-410A		R-410A		
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		
Operation Sound	In (Hi / Me / Lo)	dB-A	39 / 35 / 31		42 / 37 / 35		46 / 40 / 36		
	Outdoor (Hi)	dB-A	49		52		53		
Refrigerant Piping	Type		Flare		Flare		Flare		
	Discharge	inches	3/8		3/8		3/8		
	Suction	inches	5/8		5/8		5/8		
Refrigerant Pipe Length		Ft.	Max. 165		Max. 165		Max. 165		
Elevation Difference*	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100		
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50		
Dimensions & Weight			**Indoor Unit**	**Outdoor Unit**	**Indoor Unit**	**Outdoor Unit**	**Indoor Unit**	**Outdoor Unit**	
Height		inches	9-1/4	30-23/32	9-1/4	30-23/32	9-1/4	48-7/16	
Width		inches	50-13/64	37	62-19/32	37	62-19/32	37	
Depth		inches	27-11/64	13-3/8	27-11/64	13-3/8	27-11/64	13-3/8	
Net Weight		Lbs.	73.0	128.0	88.0	143.0	88.0	220.0	

*This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog)

1H Timer 1hr off timer · WEEKLY Timer Weekly Timer · System Controller · Filter sign · Auto Restart · Branch Extension · D.P. Drain Pump · LOW AMBIENT Low Ambient Operation · ELECTRIC Elect.Valve · R-410A R-410A Refrigerator · QUIET mode Quiet · Anti-microbial Filt. · Blue Fin

4-Way Cassette Heat Pumps

E12RB4U / E18RB4U

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

(optional) (optional) (optional)

Pipe diameters listed below are for single zone only. Multi zone pipe diameters on page 45.

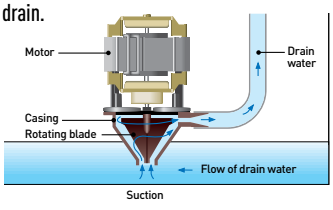
4-Way Cassette 24" x 24"			Heat Pumps			
Model No.			E12RB4U		E18RB4U	
			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Unit Model No.			CS-E12RB4UW	CU-E12RB4U	CS-E18RB4UW	CU-E18RB4U
Grille Assembly			CZ-BT20U		CZ-BT20U	
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	11,900 (4,100–13,100)		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	Btu/Wh	18		17.5	
EER	Cooling	Btu/Wh	10.3		10.25	
HSPF	Heating	Btu/Wh	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)	
Fuse or Circuit Breaker Capacity		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.



ECONAVI Mono Sensor · Room Freeze Protection · Micro-processor Control · Wireless Controller · Wired Controller · Self Diagnose · Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Hot Start · 24hr timer

4-Way Cassette Heat Pumps

26PEU2U6 / 36PEU2U6 / 42PEU2U6

CZ-RWSU3U
Wireless Controller
Transmitter/Receiver Kit

ECONAVI
(Optional)

CZ-CENSC1*
Econavi Sensor
(Optional)

CZ-RTC4*
Standard Wired
Remote Controller

CS-RTC5A*
High-spec Wired
Remote Controller
(Optional)

Indoor Unit
S-26PU2U6*
S-36PU2U6*
S-42PU2U6*

*Grille not included.
Sold separately.

Grille Assembly
CZ-36KPU3U
(Order separately)

Outdoor Unit
U-26PE1U6
U-36PE1U6

Outdoor Unit
U-42PE1U6

*Order Separately:
<Wireless controller> or <Wired controller with optional ECONAVI sensor>

Cooling Only: Unit may be field configured for cooling only.

(optional) (optional) (Heat Pump) (Heat Pump) (optional)

4-Way Cassette 36" x 36"			Heat Pumps					
Model No.			26PEU2U6		36PEU2U6		42PEU2U6	
			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Unit Model No.			S-26PU2U6	U-26PE1U6	S-36PU2U6	U-36PE1U6	S-42PU2U6	U-42PE1U6
Grille Assembly			CZ-36KPU3U		CZ-36KPU3U		CZ-36KPU3U	
Performance & Electrical Ratings								
Capacity	Cooling	Btu/h	24,800 (9,500–24,800)		32,600 (9,500–32,600)		39,000 (14,000–39,000)	
	Heating	Btu/h	28,600 (8,000–28,600)		37,000 (8,000–37,000)		48,000 (13,500–48,000)	
Moisture Removal	High	Pints/H	4.6		4.4		7.1	
Dry Air Flow	Hi / Med / Low	CFM	777 / 600 / 494		1,165 / 953 / 742		1,236 / 989 / 777	
SEER	Cooling		17.2		16.0		15.6	
EER	Cooling		9.1		8.3		8.7	
HSPF	Heating		10.3		9.0		8.9	
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60	
Running Amps	Cooling	A	14.6 / 16.1		18.4 / 20.3		23.1 / 25.5	
	Heating	A	13.8 / 15.2		15.8 / 17.5		22.1 / 24.5	
Power Input	Cooling	W	2,730 / 2,730		3,940 / 3,940		4,500 / 4,500	
	Heating	W	2,580 / 2,580		3,400 / 3,400		4,320 / 4,320	
Fuse or Circuit Breaker Capacity		A	15	30	15	35	15	40
Features								
Controls			Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control (for Cooling)			Built-in 0˚F		Built-in 0˚F		Built-in 0˚F	
Wireless Remote Controller (optional)			CZ-RWSU3U		CZ-RWSU3U		CZ-RWSU3U	
Wired Remote Controller (optional)			CZ-RTC4 / CZ-RTC5		CZ-RTC4 / CZ-RTC5		CZ-RTC4 / CZ-RTC5	
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer			7 Days / 6 Events		7 Days / 6 Events		7 Days / 6 Events	
Air Deflection	Horizontal		---		---		---	
	Vertical		Automatic		Automatic		Automatic	
Air Filter			Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In (Hi / Me / Lo)	dB-A	37 / 31 / 28		44 / 38 / 32		45 / 39 / 33	
	Outdoor (Hi)	dB-A	49		52		53	
Refrigerant Piping	Type		Flare		Flare		Flare	
	Discharge	inches	3/8		3/8		3/8	
	Suction	inches	5/8		5/8		5/8	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 165		Max. 165	
Elevation Difference*	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	10-5/64	30-23/32	12-9/16	30-23/32	12-9/16	48-7/16
Width		inches	33-5/64	37	33-5/64	37	33-5/64	37
Depth		inches	33-5/64	13-3/8	33-5/64	13-3/8	33-5/64	13-3/8
Net Weight		Lbs.	53.0	128.0	60.0	143.0	60.0	220.0

*This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog for more detail.)

Whisper-Quiet Operation

Thanks to the newly developed turbo fan and decreased resistance of the air path, one of the industry's lowest levels of noise has been achieved.

1H Timer 1hr off timer · WEEKLY Timer Weekly Timer · System Controller · Filter sign · Auto Restart · Branch Extension · DP Drain Pump · LOW AMBIENT Low Ambient Operation · ELECTRIC Elect.Valve · R-410A R-410A Refrigerator · QUIET Quiet · Anti-microbial Filt. · Blue Fin

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)

Outdoor Unit
CU-E9SD3UA
CU-E12SD3UA

Outdoor Unit
CU-E18SD3UA

Wireless Controller with Receiver/ Cable (Included)

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

Built-In Drain Pump

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

(optional) (optional) (optional)

Pipe diameters listed below are for single zone only. Multi zone pipe diameters on page 45.

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	Cooling	Btu/h	9000 (4100–10200)	11500 (4100–13300)	17200 (5800–19400)
Rated (Range)	Heating	Btu/h	12000 (4100–14100)	13800 (4100–16300)	20800 (5800–24200)
Moisture Removal	High	Pints/H	1.30	1.70	4.60
Dry Air Flow	High	CFM	475	475	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		13.00	12.50	10.90
HSPF	Heating	Btu/h	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
Fuse or Circuit Breaker Capacity		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

ECONAVI Mono Sensor · Room Freeze Protection · Micro-processor Control · Wireless Controller · Wired Controller · Self Diagnose · DRY Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Hot Start · 24H PROGRAM 24hr timer

Concealed Duct-Medium Static Heat Pumps

26PEF2U6

Indoor Unit
S-26PF2U6
Supplies are 8" dia

ECONAVI
(Optional)

Outdoor Unit
U-26PE1U6

CZ-RWSK1U
Controller
CZ-RWSC3
Receiver
(Ordered separately)

CZ-CENSC1*
Econavi Sensor
(Optional)

CZ-RTC4*
Standard Wired
Remote Controller
(Optional)

CS-RTC5A*
High-spec Wired
Remote Controller
(Optional)

*Order Separately: <Wireless controller> or <Wired controller with optional ECONAVI sensor>

36PEF2U6

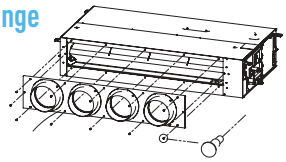
Indoor Unit
S-36PF2U6

ECONAVI
(Optional)

Outdoor Unit
U-36PE1U6

Cooling Only: Unit may be field configured for cooling only.

Duct Flange



4 circle duct flange (CZ-160DAF2 use with S-36PF2U6)
3 circle duct flange (CZ-90DAF2 use with S-26PF2U6)

Built-In Drain Pump

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

Installation Example

The picture shows the standard ducting system, where air is taken in from the back of the unit. This system is useful for places that need extensive air conditioning, including conference halls, showrooms, and restaurants.

ECO NAVI (optional) · (optional) · DRY · AUTO · COOLING HEATING (heat pump only) · (heat pump only) · 24H PROGRAM · WEEKLY Timer · (optional) · Filter sign · DP · LOW AMBIENT · ELECTRIC · R-410A

Concealed Duct						
			Heat Pumps			
Model No.			26PEF2U6		36PEF2U6	
			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Unit Model No.			S-26PF2U6	U-26PE1U6	S-36PF2U6	U-36PE1U6
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	24,000 (9,500–24,000)		31,200 (9,500–31,200)	
	Heating	Btu/h	28,600 (8,000–28,600)		36,200 (8,000–36,200)	
Moisture Removal	High	Pints/H	4.6		2.9	
Dry Air Flow	Hi / Med / Low	CFM	670 / 530 / 460		1,060 / 920 / 750	
SEER	Cooling		16.2		15.5	
EER	Cooling		8.8		8.6	
HSPF	Heating		9.9		9.0	
Power Supply	V, Phase, Hz		230/208, 1Ph, 60Hz		230/208, 1Ph, 60Hz	
Running Amps	Cooling	A	13.6 / 15.0		18.6 / 20.6	
	Heating	A	12.5 / 13.8		15.9 / 17.6	
Power Input	Cooling	W	2,600 / 2,600		3,920 / 3,920	
	Heating	W	2,400 / 2,400		3,340 / 3,340	
External Static Pressure		in. WC	0.20		0.24	
Fuse or Circuit Breaker Capacity		A	15	30	15	35
Features						
Controls			Microprocessor		Microprocessor	
Low Ambient Control			Built-in 0˚F		Built-in 0˚F	
Wireless Remote Controller (optional)			CZ-RWSU3U, CZ-RWSC1U		CZ-RWSU3U, CZ-RWSC1U	
Wired Remote Controller (optional)			CZ-RTC4 / CZ-RTC5		CZ-RTC4 / CZ-RTC5	
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer			7 Days / 6 Events		7 Days / 6 Events	
Air Deflection	Horizontal		---		---	
	Vertical		---		---	
Air Filter			---		---	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In (Hi / Me / Lo)	dB-A	34 / 30 / 27		38 / 33 / 31	
	Outdoor (Hi)	dB-A	49		52	
Refrigerant Piping	Type		Flare		Flare	
	Discharge	inches	3/8		3/8	
	Suction	inches	5/8		5/8	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 165	
Elevation Difference**	Outdoor Above	Ft.	Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11 7/16	30-23/32	12-7/32	30-23/32
Width		inches	39-3/8	37	58-9/32	37
Depth		inches	27 9/16	13-3/8	24-13/16	13-3/8
Net Weight		Lbs.	73.0	128.0	104.0	143.0

**This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog for more detail.)

1H Timer 1hr off timer · WEEKLY Timer Weekly Timer · System Controller · Filter sign · Auto Restart · Branch Extension · DP Drain Pump · LOW AMBIENT Low Ambient Operation · ELECTRIC Elect.Valve · R-410A R-410A Refrigerator · QUIET Quiet · Anti-microbial Filt. · Blue Fin Blue Fin

Outdoor Units

-5°F Heat Operations

See following pages for outdoor models specifications and combinations.

2 Zone (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 - 21,8000 Btu/hr.

2-3 Zone (1.5 Ton)
CU-3E19RBU-5

ENERGY STAR Blue Fin Condenser

(Non-Ducted)

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 Blue Fin Condenser

(Non-Ducted)

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

- 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.

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	-	-	✔	✔
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)

See Capacity and Combinations pages 35, 36

Indoor Units

Wall Mount

Wireless Controller (Included)

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

CS-ME5RKUA / CS-ME7RKUA / CS-E9RKUAW / CS-E12RKUAW / CS-E18RKUAW / CS-E24RKUAW

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	High	CFM	415	425	430	475	680	715
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

			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	High	CFM	400	370(C),390(H)	450(C),495(H)
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	High	CFM	484	494	475	475	540
Static Pressure	(Standard / Switch Hi)	inch w.g.	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 p.45 for additional information.

-5°F Heat Operation

2 Zone (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.

Connect 2 Indoor Units

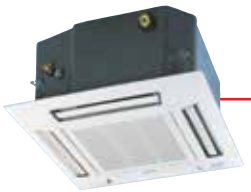
Wireless Controller (Included)

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

Wireless Controller (Included)

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

CZ-BT20U Grille Ordered Separately



CU-2E18SBU-5

ENERGY STAR

See Multi Zone Calculation and Selection Chart on pp. 35-36.

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	
Adaptor 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 p. 44 for additional information.
*Test Conditions based on AHRI 210/240

ECO NAVI ECONAVI | Room Freeze Protection | Micro-processor Control | Wireless Controller | Wired Controller | Self Diagnose | DRY Dry | 5 Fan speeds | Air Sweep | Louver | Auto-change over | Hot Start | 24H PROGRAM 24hr timer

-5°F Heat Operation

2-3 Zone (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)

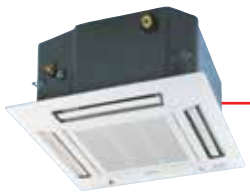
Wired Remote Controller CZ-RD516C-1 (Optional)

Connect 2 to 3 Indoor Units

Wireless Controller (Included)

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

CZ-BT20U



CU-3E19RBU-5

ENERGY STAR

(Non-Ducted)

See Multi Zone Calculation and Selection Chart on pp. 35-36.

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		Amps	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			Electric 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	Discharge	inch	1/4 x 3	
	Suction	inch	3/8 x 3	
Adaptor Required			Indoor 12 and 18 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 p. 44 for additional information.
*Test Conditions based on AHRI 210/240

-5°F Heat Operation

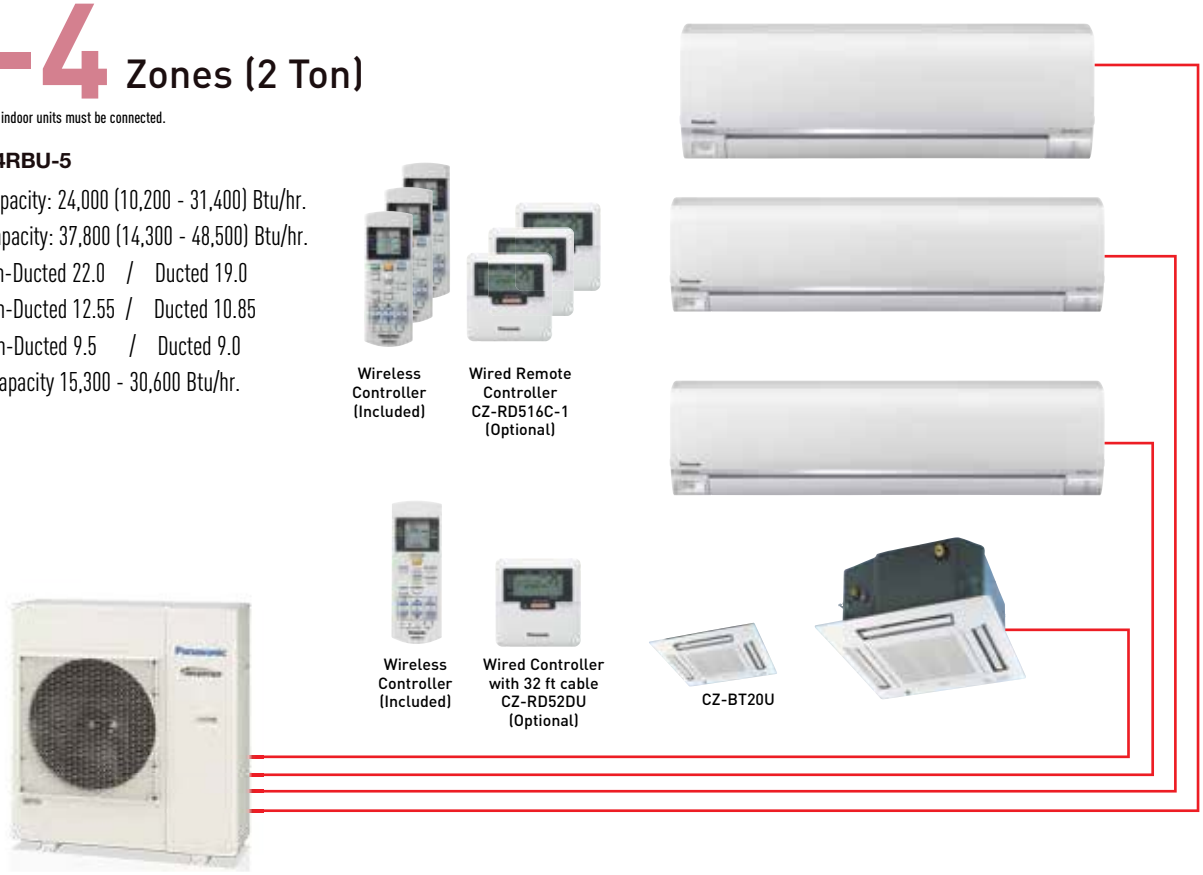
2-4 Zones (2 Ton)

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.

Connect 2 to 4 Indoor Units



CU-4E24RBU-5

ENERGY STAR

(Non-Ducted)

See Multi Zone Calculation and Selection Chart on pp. 35-36.

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		Amps	30	
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			Electric 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	Discharge	inch	1/4 x 4	
	Suction	inch	3/8 x 4	
Adaptors Required			Indoor 12 and 18 Btu/hr. require 1 CZ-MA1P-US / 24 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 p.45 for additional information.
*Test Conditions based on AHRI 210/240

ECO NAVI ECONAVI · Room Freeze Protection · Micro-processor Control · Wireless Controller · Wired Controller · Self Diagnose · DRY Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Hot Start · 24H PROGRAM 24hr timer

-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.

Connect 2 to 5 Indoor Units

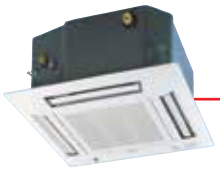
Wireless Controller (Included)

Wired Remote Controller CZ-RD516C-1 (Optional)

Wireless Controller (Included)

Wired Remote Controller CZ-RD52CU (Optional)

CZ-BT20U



CU-5E36QBU-5

See Multi Zone Calculation and Selection Chart on pp. 35-36.

Outdoor Unit

Model No.			CU-5E36QBU-5	
Performance			Cooling	Heating
Capacity	Rated (min-max)	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		Amps	30	
Features				
Controls			Microprocessor	
Fan Speeds			Variable Speed	
Compressor			Twin Rotary, DC Motor, Inverter	
Refrigerant / Amount Charged at Shipment		Type/oz	R-410A / 120.0 oz	
Refrigerant Control			Electric 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	Discharge	inches	1/4 x 5	
	Suction	inches	3/8 x 5	
Adaptors Required			CZ-MA2P 1pc for 12K & 18K / CZ-MA2P	
Indoor Adaptor			Indoor 12 and 18 Btu/hr. require 1 CZ-MA1P-US / 24 Btu/hr 1 CZ-MA1P-US and 1 CZ-MA3P-US	
Dimensions & Weight				
Unit Dimensions	H x W x D	inches	39-11/32 x 37-1/32 x 13-13/32	
Net Weight		lb	183	

Important: You must use refrigerant piping rated for R410a. See p.45 for additional information.
*Test Conditions based on AHRI 210/240

1H Timer 1hr off timer · WEEKLY Timer Weekly Timer · System Controller · Filter sign · Auto Restart · Fresh Air intake · Branch Extension · DP Drain Pump · LOW AMBIENT Low Ambient Operation · ELECTRIC Elect.Valve · R-410A R-410A Refrigerator · Quiet Quiet · Anti-microbial Filt. · Blue Fin Blue Fin

Multi Zone Combination Charts

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

Outdoor Unit Capacity: The **System Capacity** is the Cooling and Heating Capacity listed at the top of each Outdoor unit's specification chart.

Indoor Unit Demand: The Cooling and Heating Capacities are listed at the top of the specification chart of each Indoor Unit (see page 30). The total of these partial indoor capacities is the **System Demand**.

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 + 18	5 + 5 + 7	7 + 7 + 9
5 + 18	5 + 5 + 7	7 + 7 + 9
7 + 12	5 + 5 + 12	7 + 7 + 18
7 + 18	5 + 5 + 18	7 + 9 + 9
9 + 9	5 + 7 + 7	7 + 9 + 12
9 + 12	5 + 7 + 9	7 + 12 + 12
9 + 18	5 + 7 + 12	9 + 9 + 9
12 + 12	5 + 7 + 18	9 + 9 + 12
12 + 18	5 + 9 + 9	9 + 12 + 12
-	5 + 9 + 12	-
-	5 + 12 + 12	-

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

Multi Zone Combination Charts

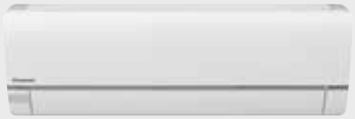
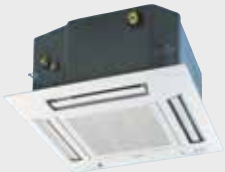
Now let's understand the term **Diversity**. Diversity is when the load in the conditioned space is not constant. For example the east side of a house has more direct sun and cooling load requirement in the morning and the west side has more direct sun and cooling load requirement in the afternoon.

A system sizing calculation that plans for diversity may size up to approximately 130% of indoor unit demand versus the outdoor unit's system capacity provided that planned operating demand throughout the day never exceeds 100% of system capacity. If there is no planned Diversity then the indoor unit demand should not exceed 100% of the outdoor unit capacity.

Therefore, a first step in sizing and selecting any multi-zone system is to understand the System Demand that the building requires before moving on to selecting Indoor unit combinations.

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+7	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+9	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+12	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+18	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+24	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+7+7	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+9	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+12	5+5+9+18+18	5+9+9+9+24	8+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+18	5+5+12+12+12	5+9+9+12+12	9+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+24	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+9+9	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+12	5+5+12+18+18	5+9+9+18+18	8+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+18	5+7+7+7+7	5+9+12+12+12	9+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+24	5+7+7+7+9	5+9+12+12+18	10+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+12+12	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+18	5+7+7+7+18	5+9+12+18+18	7+9+9+12+18
24+24	6+12+18	9+9+12	5+5+12+18	5+18+18+18	9+9+9+24	5+5+5+12+24	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+18+18	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+24	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+7+7+7	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+9	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+12	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+18	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+24	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+9+9	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+12	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+18	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+24	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+12+12	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+18	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+24	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+18+18	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+24	5+7+9+18+18	7+7+9+9+12	9+12+12+12+18
-	-	-	-	-	-	-	-	-	12+12+12+12+12

Remote Controllers – Residential (RAC)

Series	Wireless	Wired
 Exterios XE CS-XE9SKUA CS-XE12SKUA-1 CS-XE15SKUA-1	 (Included)	 CZ-RD516C-1 (Option)
 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)	Coming Soon
 Big Air CS-KE30NKU CS-KE36NKU CS-KS30NKUA *CO CS-KS36NKUA *CO	 (Included)	 CZ-RD515U (CZ-RC515UA harness Option)
 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)

*CO Cooling Only

Remote Controllers – Residential and Light Commercial (PAC)

Series	Wireless	Wired
 S26PK2U6	 (Included)	 Option A: *CZ-RTC5A High Spec Control With filter countdown For Title 24, ECONAVI Ready
 S26PT2U6 S36PT2U6 S42PT2U6	 CZ-RWST2U Controller with Receiver (Option)	 Option B: CZ-RTC4 Timer Control ECOVAVI Ready
 S26PF2U6 S36PF2U6	 CZ-RWSK1U Controller CZ-RWSC3 Receiver (Option)	 CZ-CENSC1 ECONAVI Sensor (Option)
 S26PU2U6 S36PU2U6 S42PU2U6	 CZ-RWSU3U Controller with Receiver (Option)	 Option C: CZ-RE2C2 with on/off, temp and mode control

*High-Spec Wired Remote Controller, Stylish, Easy to Use and ECONAVI Ready

Multiple Control Setting Functions for More Energy Savings

Temperature Auto Run: Even if you change the temperature setting, it automatically returns to the original setting after a set time. You can set temperature auto return time in 10-minute intervals within a 4-hour period.

Temperature Setting Range: Both Max. and Min. temperature settings can be limited. Doing this helps reduce power consumption due to over cooling or heating. Setting is possible in the Cooling, Heating and Dry modes.

Auto Shutoff: Air conditioning operation can be programmed to stop its operation automatically after a set time, so you don't have to worry about forgetting to switch the unit off. Even if you manually switch the unit back on after it has stopped, the program will continue to activate and continue to switch off the operation after a set time.

Menu items
- Basic instructions
- FLAP
- Individual louver control (Lock individual flap only for 4-way cassette MU type)
- ON/ OFF timer
- Weekly timer
- Filter information
- Outing function
- Quiet operation mode
- Energy saving
- Initial settings
- Ventilation

Energy Saving
- Temperature auto return
- Temperature setting range
- Auto shutoff
- Schedule peak cut
- Repeat off timer
- ECONAVI on/ off

Maintenance Function
- Outdoor unit error data
- Service Contact address
- RC setting mode
- Test Run
- Sensor Information
- Service check
- Simple/ Detailed Settings
- Auto address

Wireless Home – Internet Connect

Internet Connect devices remotely control a system with one or more indoor units via the cloud. An Internet Control adaptor is required for every indoor unit. Requires an internet connection and a Wi-Fi router, Control your equipment using any web browser, iOS or Android device.

USPA-AC-WIFI-1B	**RAC Residential Wired Wi-Fi Adaptor** For compatible units, this Internet Control device is mounted next to the indoor unit and connects to the main board with the supplied cable. It can be used with wired and wireless remotes.
 USPA-RC2-WIFI-1	**PAC Residential & Light Commercial Wired Wi-Fi Adaptor** This Internet Control device can be paired with a wired or wireless remote and uses the instructed remote wiring. A wired or wireless remote is not necessary and makes a great Lead/Lag control solution.
 USIS-IR-WIFI-1	**RAC & PAC Residential and Light Commercial Wireless Adaptor** This universal Internet Control infrared (IR) hub can control any RAC or PAC indoor unit with the factory wireless remote or optional wireless kit. It can be used on a table top or wall mount to send IR signals to the unit.

All Internet Control features are included for free up to 50 indoor units. The Pro License is required to control 51 or more indoor units.

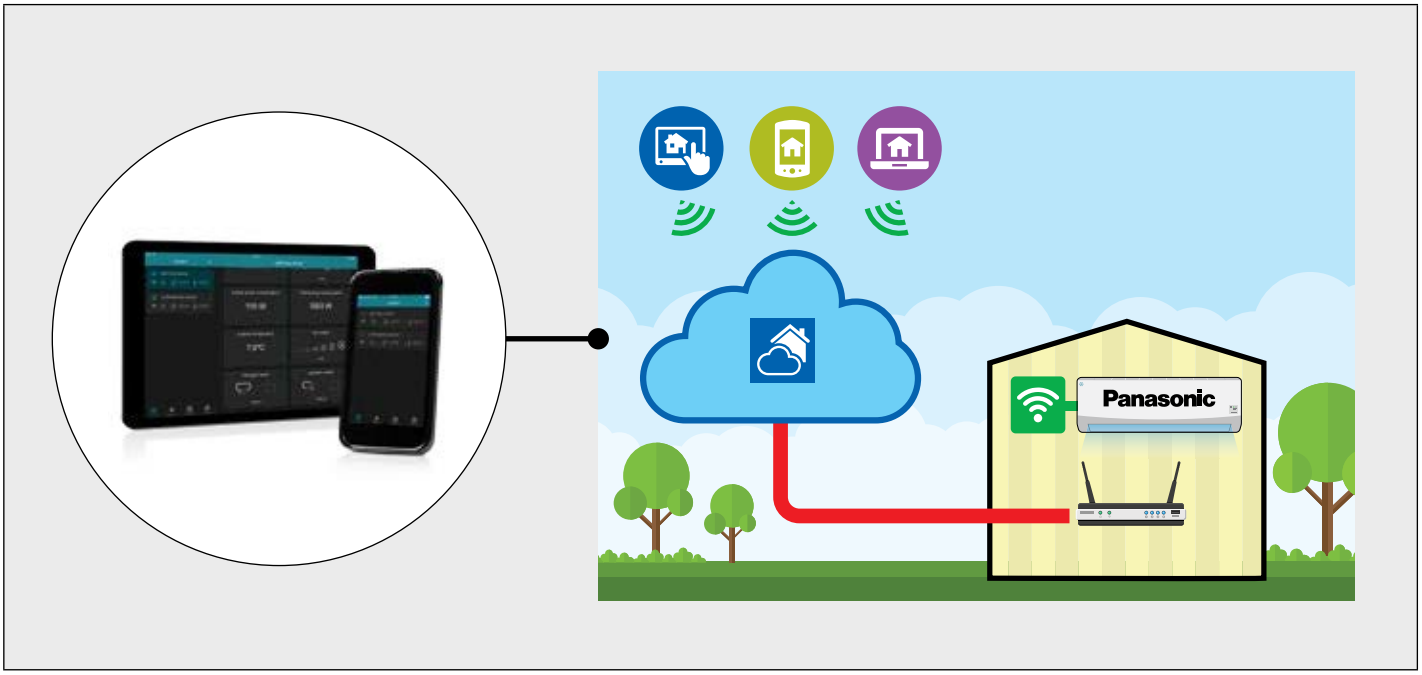
- On/Off
- Heat, Cool, Dry and Auto Modes
- Set Point Temperature
- Adjust Fan Speed
- Louver Direction (if applicable)
- Ambient Temperate
- AC Unit Error Signals, Codes ad Descriptions
- Multi-lingual Interface
- Automatic Firmware Updates
- Allows Multiple Users
- Annual Schedule Up to 10 Timers and Scenes
- Multiple Home/Zone Management
- Powerful and Energy Savings Models
- Advanced User Functions
- AC Unit Error Signals, Codes and Descriptions
- Error E-mail Notifications
- User Defined Alerts

Note: Not all features are available on all indoor models

Wireless Home App – Internet Connect

Control your home's comfort with the smart Internet Control device via smartphones, tablet and PC and via the internet.

Offering the same functions as if you were at home or office: start/stop, mode operation, set temperature, room temperature etc. As well as the new, advanced functionality provided by internet control to achieve the best comfort and efficiency with the lowest energy consumption.



What's Internet Control?
Internet Control is a next generation system providing a user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via web browser.

Simple Installation
Just connect the Internet Control device to the air conditioner or heat pump with the supplied wire and then link it to your WIFI access point.

Internet Control. Easy to install. Maximum benefit
Internet Control is underlined with the slogan "Your Home in the Cloud", meaning a simple and easy to handle solution has been considered for every user to manage the device, not requiring any communication or computer skills.

No servers. No adaptors. No wires. Just a small box is needed to be connected and placed close to the air conditioning indoor unit and your smartphone, tablet or PC.

Your existing WiFi connection does the rest when you are at home. Start the App from your smartphone device, your tablet or your computer, and enjoy a new experience in comfort. And if you are out of town, just launch the App, and manage the air conditioning of your home from the cloud.

An intuitive and user-friendly interface that lets you manage your air conditioning unit in the same way you do with the remote controller at home.Internet control can be downloaded in from the **AppStore** or **PlayStore**.

BACnet Integration

BACnet IP and MSTP Controller. Requires (1) device per indoor unit.

	USPA-AC-BAC-1	**RAC Residential BACnet Controller** This is a BACnet over IP or MSTP device. Configured using external dip switches. Includes an HTML based interface that can be used for additional control and BACnet network settings.
	USPA-RC2-BAC-1	**PAC Residential & Light Commercial BACnet Controller** This is a BACnet over IP or MSTP device capable of monitoring and controlling all generations of PACi, ECOi and ECOi EX units. Configured using external dip switches. Includes an HTML based interface that can be used for additional control and BACnet network settings.
	USPA-AC-BAC-128	**PAC Residential & Light Commercial BACnet Controller** This is a BACnet over IP server device capable of monitoring and controlling PACi, ECOi and ECOi EX systems. Up to 128 indoor units and 10 refrigerant circuits can be integrated (up to 30 PACi systems). Auto-Discover feature detects connected Panasonic equipment for easy setup and integration. Setup and control via Ethernet port to access GUI.
	CZ-CFUNC1U	USPA-AC-BAC-128 controller requires (1) Communication Adaptor (CZ-CFUNC1U)

The USPA-AC-BAC-1, USPA-RC2-BAC-1 and USPA-AC-BAC-128 all feature occupied/unoccupied heat and cool set points for reduced programming time and greater energy efficiency.

Global and Individual Operation/Setting Objects

- All On/Off
- On/Off
- Mode
- Setpoint
- Fan Speed
- Air Direction (n/a for ducted units)
- Filter Sign Reset
- Prohibit Thermostat Functions
- Occupied/Unoccupied All
- Occupied/Unoccupied Cool Setpoints
- Occupied/Unoccupied Heat Setpoints
- Run Time Consumption Reset
- ECONAVI-Human detection (if available)

Global and Individual Monitor/Status Objects

- On/Off
- Mode
- Setpoint
- Fan Speed
- Air Direction (n/a for ducted units)
- Space Temperature
- Prohibit Thermostat Functions
- Filter Sign Reset
- Unit and System Error Codes
- CZ-CFUNC1U Error Codes (BAC-128)
- Occupied/Unoccupied Mode
- Today, Yesterday and Total Run Time Consumption

Note: Not all features are available on all indoor models

LonWorks Integration

CZ-CLNC1U

The CZ-CLNC1U LonWorks Interface can control up to 16 indoor units. Monitors and controls all generations of PACi, ECOi and ECOi EX systems. Connecte directly into the communication bus and is field-configured via dip switches.

The CZ-CLNC1U offers the following setting and monitoring objects. Some Objects are not available on all indoor models.

Indoor Unit Operation/Setting Objects
- On/Off
- Mode
- Setpoint
- Fan Speed
- Air Direction (n/a for Ducted Units)

Indoor Unit Monitor/Status Objects
- On/Off
- Mode
- Setpoint
- Fan Speed
- Air Direction
- Space Temperature
- Unit and System Error Codes

RAC Connectivity to PACi, ECOi and ECOi EX

CZ-CAPRA1

This adaptor serves and an interface required to connect a central control device, such as an intelligent controller, with the a room air conditioner. Using this adaptor can operate or monitor the room air conditioner from a central control device. Panasonic room air conditioners equipped with the CN-CNT terminal are supported.

Features: The following operations from the central control device can be performed

- Operations to start/stop the room AC, switch to operation mode, and set the temperature, fan speed and fan direction (up/down).
- Monitor the operation status and abnormality of room air conditioner.
- Prohibiting the remote control operation of room air conditioner
- Using On/Off contact of external connection can start/stop the room air conditioner, prohibit/permit the remote control operation, and perform emergency stop. A coin timer or card key can also be contacted.
- Retrieving the operation signal of abnormal signal of room air conditioner. (An external power source (DC12V) is separately required.)

Controllers, Communication and Integration

Model No.	Description	Use With
RAC Wired Controllers		
CZ-RD516C-1	Wired Remote (for Wall Mount)	XE9SKUA, XE12SKUA, XE15SKUA E9RKUA, E12RKUA, E18RKUA, E24RKUA E9NKUA, E12NKUA, E18NKUA, E24NKUA,
CZ-RD52CU	Wired Remote Controller (4-Way Ceiling Recessed)	4-Way Ceiling Reccessed: E**RB4U
CZ-RD52DU	Wired Remote Controller (4-Way Ceiling Recessed)	Slim Duct: E**SD3UA
KE & KS Wired Controllers		
CZ-RD515U	Wired Controller	All KE, KS and MKE Models
CZ-RC515UA	Wire Harness (required with CZ-RD515U)	PCB Wire Kit for CZ-RD515U. Required for use with KE, KS 30 & 36 Models
PAC Wireless Controllers		
CZ-RWSK1U	Wireless Controller	Concealed Duct: S-26/36PF1U6, S-26/36/42PF2U6 (Included with Wall S-26PK2U6)
CZ-RWSC3	Receiver (Controller & Receiver ordered separately)	Concealed Duct: S-26/36PF1U6, S-26/36/42PF2U6
CZ-RWSU3U	Wireless Controller	4-Way Ceiling Recessed: S-26/36/42PU2U6 (for *2U6 models)
CZ- RWST2U	Wireless Controller	Ceiling Suspended: S-26/36/42PT2U6 (for *2U6 models)
PAC Wired Controllers		
CZ-RTC5A*	Wired High-Spec Remote	Wall Mount : 26PK1U6 26PK2U6 4-Way Ceiling Cassette : 26/36/42PU1U6 26/36/42PU2U6 Suspended : 26/36/42PT1U6 26/36/42PT2U6 Concealed Duct Duct : 26/36PF1U, 26/36PF2U6
CZ-RTC4*	Wired Programmable Timer Remote	
CZ-CENSC1*	ECONAVI Sensor (*Optional with CZ-RTC5 or CZ-RTC4)	
CZ-RE2C2	Wired Simplified Remote	
CZ-64ESMC2U	Wired System Controller	
Interface Controls		
USPA-AC-WIFI-1B	WIFI Interface for RAC (XE models, E9/E12NKUAW)	XE models, E9/12NKUAW, S9/12NKUA, ME7QKUA, ME7RKUA, E**RKUAW, E12/18RB4UW
USPA-RC2-WIFI-1	WIFI Interface for PAC & ECOi	All 26,000 ~ 42,000 BTU/h Models, except KS30/36NKU and KE 30/36NKU
USIS-IR-WIFI-1	WIFI Interface for RAC	S18/24NKUA, E18/24NKUA, S9/12NKUW-1, S18/22NKU-1, KS12NB41, KS18NB4UW, MKS**NKU, MKS**NB4U, MKE**NKU, MKE**NB4U, KE18NB4UW, KS30/36NKU, KE30/36NKU
USPA-AC-BAC-1	BACnet Interface for RAC (XE / E**NKUA Series)	All XE, E9/12NKUA, S9/12NKUA, ME7QKUA, ME7RKUA, E**RKUAW, E12/18RB4UW
USPA-RC2-BAC-1	BACnet Interface for PAC & ECOi	All 26,000 ~ 42,000 BTU/h Models, except KS30/36NKU and KE30/36NKU

Accessories

Accessories		
BS600	Mounting Bracket for Outdoor Unit	All Outdoor Models
WINDB-1A	Wind Baffle - Side Discharge Fan	22.5 " wide - Single Fan - 1 Baffle, Double Fan - 2 Baffles
WINDB-M1	Wind Baffle - Small Multi/Large Single Coil Side	CU-2E18SBU, CU-3E19RBU, CU-E18RKUA, CU-E24RKUA, CU-RE18SKUA,CU- RE24SKUA, CU-E18SD3UA
WINDB-R1	Wind Baffle - Small Single Coil Side	CU-E9RKUA, CU-E12RKUA, CU-RE9SKUA, CU-RE12SKUA, CU-E9SD3UA, CU-E12SD3UA
WINDB-P1	Wind Baffle - Small PACi Single Coil Side	U-26PE1U6, U-36PE1U6
WINDB-P2	Wind Baffle - Large PACi and Mini ECOi Single Coil Side	U-36LE1U6, U-52LE1U6, U-42PE1U6
WINDB-XE1	Wind Baffle - XE only Coil Side	CU-XE9SKUA, CU-XE12SKUA, CU-XE15SKUA
WINDB-M2	Wind Baffle - Large Multi Coil Side	CU-4E24RBU-5, CU-5E36QBU-5
CZ-90DAF2	Three (3) port duct flange	S-26PF2U6
CZ-160DAF2	Four (4) port duct flange	S-36PF2U6
CZ-MA1P-US-BUND	Tube Size Reducer with Flare Nut (for multi-zone)	CU-2E18SBU-5, CU-3E19RBU-5, CU-4E24RBU-5, CU-5E36QBU-5
CZ-MA2P-US-BUND	Tube Size Reducer with Flare Nut (for multi-zone)	CU-3E19RBU-5, CU-4E24RBU-5
CZ-MA3P-US-BUND	Tube Size Reducer with Flare Nut (for multi-zone)	CU-3E19RBU-5, CU-4E24RBU-5
SI-30-120	Condensate Pump (Phase Out)	All 115v Models
SI-30-230	Condensate Pump	All 230v models. 5 gallons per hour
CZ-SA20P	Anti Microbial Filter	CS-E**NKUAW, CS-E**RKUAW, CS-ME7QKUA and CS-ME7RKUA.
RCS4MHVB-J	Wireless Remote Caddy - Locking Bracket.	All PACi/ECOi Indoor
RCPTC110B-J	Wireless Remote Caddy - Locking Bracket.	XE**PKUA, XE**SKUA, E**NKUA and E**RKUA Models
RCPTC120SD-J	Wireless Remote Caddy - Locking Bracket.	E**SD3UAW
RCPTC130XE-J	Wireless Remote Caddy - Locking Bracket.	XE**SKUA

Line Set

Single Split Line Set Connection Chart (for Multi Split connections refer to Tube Adaptor chart)

Line Set Part Numbers	Liquid Line		Suction Line		Insulation Thick-ness		Line Length	Use With
	inch		inch		inch		feet	
DL04060815	1/4"	x	3/8"	x	1/2"	x	15'	XE9SKUA, E9RKUA, RE9SKUA, KE12SBU, E9SD3UA, CU-2E18SBU-5, CU-3E19RBU-5, CU-4E24RBU-5, CU-5E36QBU-5
DL04060820	1/4"	x	3/8"	x	1/2"	x	20'	
DL04060835	1/4"	x	3/8"	x	1/2"	x	35'	
DL04080815*	1/4"	x	1/2"	x	1/2"	x	15'	XE12SKUA, XE15SKUA, E12RKUA, RE12SKUA, E12RB4U, E18RKUA, RE18SKUA, E18RB4U, E12SD3UA, E18SD3UA, CU-4E24RBU-5, CU-5E36QBU-5
DL04080820*	1/4"	x	1/2"	x	1/2"	x	20'	
DL04080835*	1/4"	x	1/2"	x	1/2"	x	35'	
DL04100820	1/4"	x	5/8"	x	1/2"	x	20'	E24RKUA, RE24SKUA
DL04100830	1/4"	x	5/8"	x	1/2"	x	30'	
DL04100850	1/4"	x	5/8"	x	1/2"	x	50'	
DL06100830	3/8"	x	5/8"	x	1/2"	x	30'	All 26,000 through 42,000 Btu/hr Models
DL06100850	3/8"	x	5/8"	x	1/2"	x	50'	All 26,000 through 42,000 Btu/hr Models

* Use Noted Lines Sets with CS-E24RKUAW

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 ßLength (ft) without Adding Refrigerant	Required Additional Refrigerant Oz/ft	Insulation
		Narrow	Wide		Outdoor Above	Outdoor Below			
Wall Mount	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
	26PEK2U6	3/8	5/8	165	100	50	100	R410A 0.43	Both Tubes
	KE30NKUA	3/8	5/8	164	100	50	100	R410A 0.43	Both Tubes
	KE36NKUA	3/8	5/8	164	100	50	100	R410A 0.43	Both Tubes
	KS30NKUA	3/8	5/8	164	100	50	100	R410A 0.43	Both Tubes
	KS36NKUA	3/8	5/8	164	100	50	100	R410A 0.43	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
	26PEU2U6	3/8	5/8	165	100	50	100	R410A 0.43	Both Tubes
	36PEU2U6	3/8	5/8	165	100	50	100	R410A 0.43	Both Tubes
	42PEU2U6	3/8	5/8	165	100	50	100	R410A 0.43	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
	26PEF2U6	3/8	5/8	165	100	50	100	R410A 0.43	Both Tubes
	36PEF2U6	3/8	5/8	165	100	50	100	R410A 0.43	Both Tubes
Ceiling Suspended	26PET2U6	3/8	5/8	165	100	50	100	R410A 0.43	Both Tubes
	36PET2U6	3/8	5/8	165	100	50	100	R410A 0.43	Both Tubes
	42PET2U6	3/8	5/8	165	100	50	100	R410A 0.43	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 adaptor may be required depending on indoor model to be used with. (CZ-MA1P, CZ-MA2P or CZ-MA3P)

Operation Range

Exterios XE (CU-XE 9/12/15 SKUA) — Single Zone

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB / 79°F WB
	Minimum	61°F DB / 52° WB	0°F DB / -° WB
Heating	Maximum	86°F DB / -°F WB	75°F DB / 64°F WB
	Minimum	61°F DB / -° WB	-15°F DB / -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	90°F DB / 74°F WB	115°F DB / 79°F WB
	Minimum	61°F DB / 52°F WB	0°F DB / -° WB
Heating	Maximum	86°F DB / -° WB	75°F DB / 64°F WB
	Minimum	61°F DB / -° WB	-5°F DB / -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	90°F DB / 74°F WB	115°F DB / 79°F WB
	Minimum	61°F DB / 52°F WB	0°F DB / -° WB
Heating	Maximum	86°F DB / -° WB	75°F DB / 64°F WB
	Minimum	61°F DB / -° WB	-4°F DB / -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	90°F DB / 74° WB	115°F DB / 79°F WB
	Minimum	61°F DB / 52° WB	0°F DB / -° WB
Heating	Maximum	86°F DB / -° WB	75°F DB / 64°F WB
	Minimum	61°F DB / -° WB	5°F DB / 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	90°F DB / 74° WB	115°F DB / 79° WB
	Minimum	60°F DB / 52° WB	0°F DB / -° WB
Heating	Maximum	86°F DB / -° WB	75°F DB / 64° WB
	Minimum	61°F DB / -° WB	-5°F DB / -6.8°F WB

Professional Series (U- 26/36/42 PE1U6) Wall Mount PK / Ceiling Suspended PT / 4-Way Cassette PU / Ducted PF — Single Zone

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90˚F DB / 77˚F WB	115˚F DB / -˚ WB
	Minimum	64˚F DB / 57˚F WB	0˚F DB / -˚ WB
Heating	Maximum	86˚F DB / -˚ WB	75˚F DB / 64˚F WB
	Minimum	61˚F DB / -˚ WB	-4˚F DB / -4˚F WB

Professional Series (KE 30/36 NKU) — Single Zone

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	0°F DB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-° DB / -° WB	-° DB / 0˚F WB

Professional Series (KS 30/36 NKU) Cooling Only — Single Zone

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	0°F DB

CU-2E18NBU — Multi Zone

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	89.6°F DB / 73.4°F WB	109.4°F DB / 78.8°F WB
	Minimum	60.8°F DB / 51.8°F WB	60.8°F DB / 51.8°F WB
Heating	Maximum	86°F DB / - WB	75.2°F DB / 64.4°F WB
	Minimum	60.8°F DB / - WB	5°F DB / 3.2°F WB

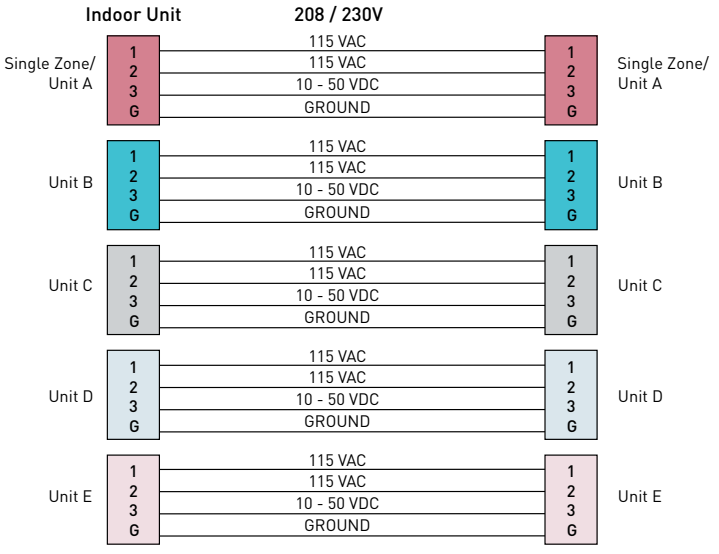
CU-2E18SBU-5 — Multi Zone

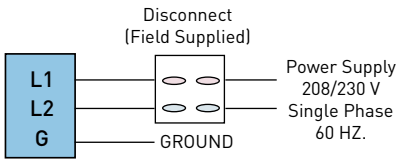
	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB / 79°F WB
	Minimum	61°F DB / 52°F WB	14°F DB / -°F WB
Heating	Maximum	86°F DB / - WB	75.2°F DB / 64.4°F WB
	Minimum	61°F DB / - WB	-5°F DB / -6.8°F WB

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

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	89.6°F DB / 73.4°F WB	114.8°F DB / 78.8°F WB
	Minimum	60.8°F DB / 51.8°F WB	14°F DB / - WB
Heating	Maximum	86°F DB / - WB	75.2°F DB / 64.4°F WB
	Minimum	60.8°F DB / - WB	-5°F DB / -6.8°F WB

Single & Multi-Zone Wiring



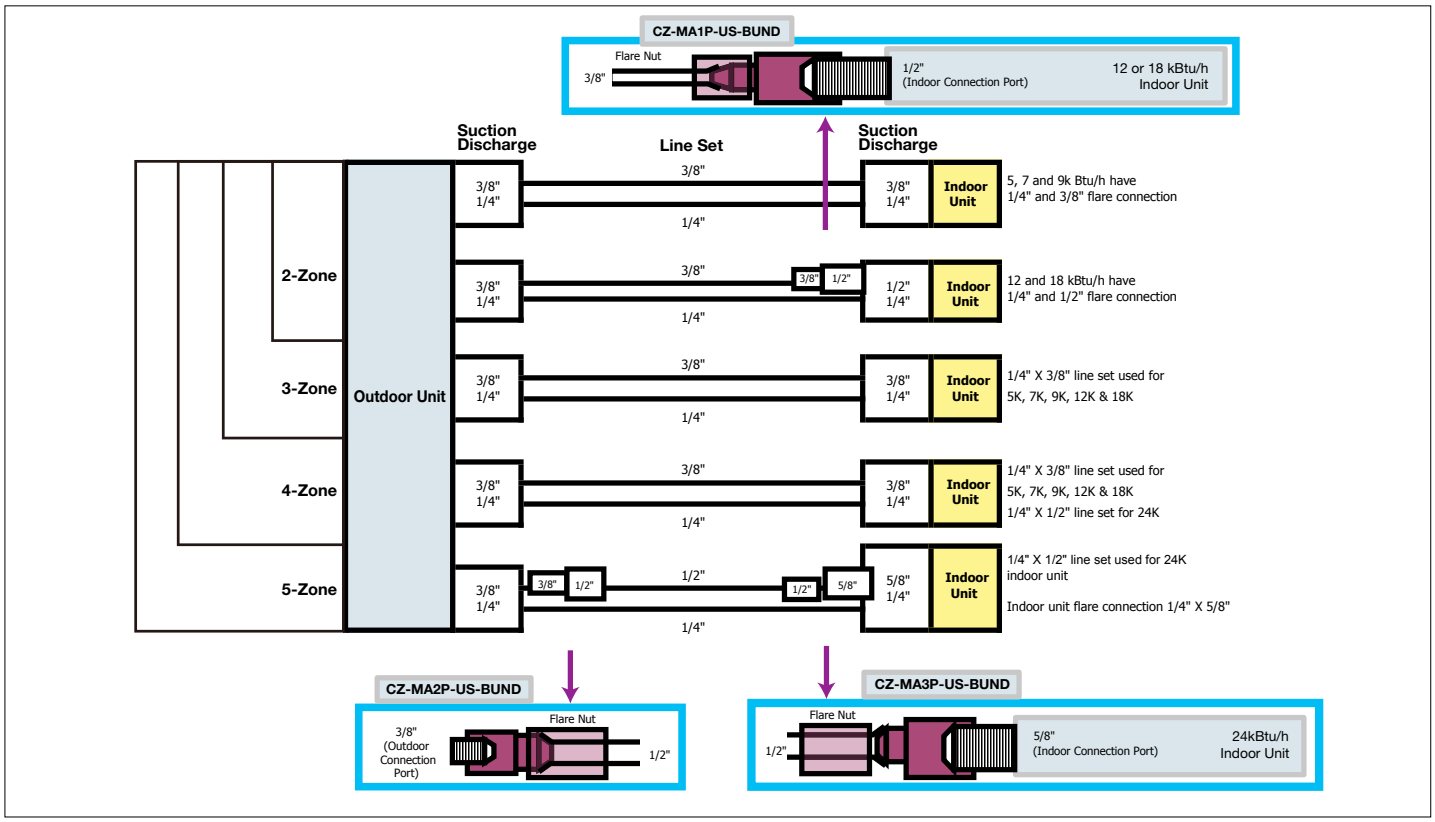


UL Listed or CSA approved 4 conductor wires minimum AWG16.
Wiring size may vary based on length and should be verify with a licensed electrician.

Supply power and inter connecting wiring must be ran in separate conduits.

Multi-Split Tube Adaptors

Model Number CU-5E36QBU-5



(Qty) and Adaptor Required for Multi Zone Installations

Adaptor Chart		2 Zone CU-2E18NBU CU-2E18SBU-5		2-3 Zone CU-3E19RBU-5		2-4 Zone CU-4E24RBU-5		2-5 Zone CU-5E36QBU-5	
		O/D	I/D	O/D	I/D	O/D	I/D	O/D	I/D
Wall Mount	CS-ME5RKUA	none	none	none	none	none	none	none	none
	CS-ME7RKUA	none	none	none	none	none	none	none	none
	CS-E9RKUAW	none	none	none	none	none	none	none	none
	CS-E12RKUAW	none	(1) MA1P	none	(1) MA1P	none	(1) MA1P	none	(1) MA1P
	CS-E18RKUAW	N/A	N/A	none	(1) MA1P	none	(1) MA1P	none	(1) MA1P
	CS-E24RKUAW	N/A	N/A	N/A	N/A	(1) MA2P	(1) MA3P	(1) MA2P	(1) MA3P
4-Way	CS-ME9SB4U	none	none	none	none	none	none	none	none
	CS-E12RB4UW	none	(1) MA1P	none	(1) MA1P	none	(1) MA1P	none	(1) MA1P
	CS-E18RB4UW	N/A	N/A	N/A	(1) MA1P	none	(1) MA1P	none	(1) MA1P
Slim Duct	CS-ME5SD3UA	none	none	none	none	none	none	none	none
	CS-ME7SD3UA	none	none	none	none	none	none	none	none
	CS-E9SD3UAW	none	none	none	none	none	none	none	none
	CS-E12SD3UAW	none	(1) MA1P	none	(1) MA1P	none	(1) MA1P	none	(1) MA1P
	CS-E18SD3UAW	N/A	N/A	N/A	(1) MA1P	none	(1) MA1P	none	(1) MA1P

none - no adaptor required N/A - indoor does not match capacity of outdoor
Ducted Multi-Zone Applications Available March 2017.

Adaptor Model	(male/female)
CZ-MA1P-US-BUND	3/8" M x 1/2"F
CZ-MA2P-US-BUND	3/8" F x 1/2"M
CZ-MA3P-US-BUND	1/2" M x 5/8"F
Flare Nut (included)	

Note: Flare nut is usually supplied with all line sets.
Panasonic also provides flare nut with adaptor for contractor convenience.

Tube Size Adaptor with Flare Nut
CZ-MA1P-US-BUND
CZ-MA2P-US-BUND
CZ-MA3P-US-BUND

Flare Nut

Model Identification

RAC

Indoor Unit

C	S	–	X	E	1	2	S	K	U	A
1	2		3	4	5	6	7	8	9	10

Outdoor Unit

C	U	–	X	E	1	2	S	K	U	A
1	2		3	4	5	6	7	8	9	10

System

E	1	2	S	K	U	A
4	5	6	7	8	9	10

1 Series	2 Model/Type	3 Connection configuration	4 Function	5,6 Capacity	7 Development	8 Category (Type)	9 Voltage	10 Others
C: Residential	S: Indoor unit U: Outdoor unit	X: Deluxe type K/None: Internal purpose MK: Indoor unit for Multi zone Connected Type (Multi-zone) Numeral: Numeral+K	S: Cooling only E: Heat pump	Cooling Capacity in BTU/h	Development Series No.	K: Wall Mount B4: Mini Ceiling Recessed K: Internal	U: 208/230V, 60Hz	-1: Non-Low Ambient W: Multi/Single Zone common use -1: Non-Low Ambient

PAC

Indoor Unit

S	–	26	P	U	2	U6
1		2	3	4	5	6

Outdoor Unit

U	–	36	P	E	1	U6
1		2	3	4	5	6

Set

26	P	E	2	U6
2	3	4	5	6

1 Model/Type	2 Capacity	3 Series	4 Category (Function)	5 Development	6 Voltage
S: Indoor unit	Cooling Capacity in BTU/h	P: Large Capacity series	K: Wall Mount U: Ceiling Recessed T: Ceiling suspended F: Concealed Duct	Development Series	U6: 208/230V 60Hz
U: Outdoor Unit			S: Cooling Only E: Heat Pump		

Sanyo to Panasonic Cross Reference

* H/P: Heat Pump, C/O: Cooling Only

PAC Outdoor 2 types / 10 models

Category		Capacity Kbtu/h	Model No.	Model No.
PAC-i (Split)	H/P	26	CH2672R	U-26PE1U6
		36	CH3672R	U-36PE1U6
		42	CH4272R	U-42PE1U6
	C/O	30	CH3082	CU-KE30NKU
		36	CH3682	CU-KE36NKU
		26	C2672R	U-26PS1U6
		36	C3672R	U-36PS1U6
		42	C4272R	U-42PS1U6
		30	C3082	CU-KS30NKUA
		36	C3682	CU-KS36NKUA

PAC Indoor 5 types / 15 models (13 models, Panel : 2 models)

Category		Capacity Kbtu/h	Model No.	Model No.
4-Way Cassette	H/P	26	XHW2672R	S-26PU1U6
		36	XHW3672R	S-36PU1U6
		42	XHW4272R	S-42PU1U6
		Panel	PNR-XH2442	CZ-24KPU1U
		Panel	PNR-XH3642	CZ-36KPU1U
Wall Mount	H/P	26	KHS2672R	S-26PK1U6
Wall Mount	C/O	36	KS3082	CS-KS30NKU
		42	KS3682	CS-KS36NKU
	H/P	30	KHS3082	CS-KE30NKU
		36	KHS3682	CS-KE36NKU
Ceiling Suspended	H/P	26	THW2672R	S-26PT1U6
		36	THW3672R	S-36PT1U6
		42	THW4272R	S-42PT1U6
Duct	H/P	26	UHW2672R	S-26PF1U6
		36	UHW3672R	S-36PF1U6

RAC (37 models)

Category		Capacity Kbtu/h	Model No.	Model No.
Mini Cassette	Inv C/O	12	XS1271	CS-KS12NB41
		Panel	PNR-XS1872	CZ-18BT1U
Outdoor Unit		12	CL1271	CU-KS12NK1A
		18	C1872	CU-KS18NKU
		18	CL1872	CU-KS18NKUA
		24	C2472	CU-KS24NKU
		24	CL2472	CU-KS24NKUA
Wall Mount	Inv H/P	18	KHS1872	CS-KE18NKU
		24	KHS2472	CS-KE24NKU
Mini Cassette		12	XHS1271	CS-KE12NB41
		18	XHS1872	CS-KE18NB4UW
		Panel	PNR-XS1872	CZ-18BT1U
Outdoor Unit		12	CH1271	CU-KE12NK1
		18	CH1872	CU-KE18NKU
		24	CH2472	CU-KE24NKU
Wall Mount	Flexi Multi C/O	7	KMS0772	CS-MKS7NKU
		9	KMS0972	CS-MKS9NKU
		12	KMS1272	CS-MKS12NKU
		18	KMS1872	CS-MKS18NKU
		24	KMS2472	CS-MKS24NKU
Mini Cassette		9	XMS0972	CS-MKS9NB4U
		12	XMS1272	CS-MKS12NB4U
		Panel	PNR-XS1872	CZ-18BT1U
Outdoor Unit		19	CM1972A	CU-3KS19NBU
		24	CM2472A	CU-4KS24NBU
		31	CM3172A	CU-4KS31NBU
Wall Mount	Flexi Multi H/P	7	KMHS0772	CS-MKE7NKU
		9	KMHS0972	CS-MKE9NKU
		12	KMHS1272	CS-MKE12NKU
		18	KMHS1872	CS-MKE18NKU
		24	KMHS2472	CS-MKE24NKU
Mini Cassette		9	XMHS0972	CS-MKE9NB4U
		12	XMHS1272	CS-MKE12NB4U
		Panel	PNR-XS1872	CZ-18BT1U
Outdoor Unit		19	CMH1972A	CU-3KE19NBU
		24	CMH2472A	CU-4KE24NBU
		31	CMH3172A	CU-4KE31NBU

Controllers

Category		Model No.	Model No.
Wireless RC	Common	RCS-BH80AAB.WL	CZ-RWSC1U
	4-Way	RCS-SH80AAB.WL	CZ-RWSU1U
	Wall Mount	RCS-SH1AAB	CZ-RWSK1U
System Controller		SHA-KC64UG	CZ-64ESMC1U
Simple Remote		RCS-KR1EG	CZ-RE2C2
Simple Wired RC		NEW	CZ-RELC2
Wireless RC	U1/T1 Series	RCS-SH80UA.WL	CZ-RWSU2U
Wired Kit		STK-KCW1	CZ-RC515U
		STK-KCW2	CZ-RC515UA
Wired RC		STK-RCS-7TWSUA	CZ-RD515U

Accessories

Category		Model No.	Model No.
Fresh Air intake	4-Way	CMB-GSJ80U	CZ-26BCU1U
	4-Way	CMB-GSJ140U	CZ-42BCU1U
Outdoor Bracket		STK-KSB2050	CZ-12UD1U
		STK-KSB5050	CZ-30UD1U

Rating Conditions

	Cooling	Heating
Inside air temperature	80°F DB / 67°F WB	70°F DB / 60°F WB
Outside air temperature	95°F DB (75°F WB)	47°F DB / 43°F WB

NOTES

NOTES

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