

Model Identification



RAC

Indoor Unit									Outdoor Unit									Set									
C	S	-		S	18	N	K	U	-1	C	U	-		S	18	N	K	U	-1		S	18	N	K	U	-1	
1	2		3	4	5	6	7	8	9	1	2		3	4	5	6	7	8	9		3	4	5	6	7	8	9
1	Series	2	Model/Type	3	Connection configuration			4	Function	5	Capacity		6	Development		7	Category (Type)		8	Voltage		9	Others				
C: Residential	S: Indoor unit U: Outdoor unit			X: Deluxe type K/None: Internal purpose MK: Indoor unit for Multi zone				S: Cooling only E: Heat pump		Cooling Capacity in BTU/h		Development Series No.			K: Wall Mount B4: Mini Ceiling Recessed		U: 208/230V, 60Hz 1: 115V, 60Hz		-1: Non-Low Ambient W: Multi/Single Zone common use								
				Connected Type (Multi-zone) Numeral: Numeral+K											K: Internal				-1: Non-Low Ambient								

PAC

Indoor Unit						Outdoor Unit						Set									
S	-	26	P	U	1	U6	U	-	36	P	S	1	U6	26	P	S	1	U6			
1		2	3	4	5	6	1		2	3	4	5	6	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 H: Heat Pump											

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

Quality Management System Certificate

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

Panasonic HA Air-Conditioning (M)
Sdn.Bhd.
Cert. No.: MY-AR 1010

Environmental Management System Certificate

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

Panasonic HA Air-Conditioning (M)
Sdn.Bhd.
Cert. No.: MY-ER 0112



Panasonic Corporation of North America
Panasonic Appliances Air-Conditioning North America
1690 Roberts Blvd., NW, Suite 110, Kennesaw, GA 30144 U.S.A.
us.panasonic.com/aircon

Panasonic Canada Inc.
Enterprise Product Sales
5770 Ambler Dr., Mississauga, ON, L4W 2T3 CANADA
www.panasonic.ca

Warranty - 7 years compressor/5 years parts

Because its products are subject to continuous improvements, Panasonic reserves the right to modify product design and specifications without notice and without incurring any obligations.
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Caution Related to Safety

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

February 2015



AIR CONDITIONING and
HEAT PUMP PRODUCTS



February 2015

The History of Panasonic Air Conditioning

The Panasonic Air Conditioning Group has grown into a global company through its continuous quest for product innovations and technology. The group has evolved from manufacturing compressors to providing comprehensive air conditioning solutions. This has earned Panasonic, the reputation as the most trusted brand for superior energy-efficiency and reliable products.

1958

Started production and sales of Home Coolers

The Electrical Appliance Business Group (Kadoma) started cooler production in March 1958. Started sales in May under the "Home Cooler" name.



1961

Started exports of Home Coolers

1965

Launched Room Coolers



1968

Began development of Rotary Compressors

Later, their high efficiency and high quality attracted domestic and overseas air conditioner manufactures. Began external sales.

1972

Established overseas business base in Malaysia

MAICO was established in Malaysia as the Aircon Group's first overseas base. From this time, MAICO started to export to Japan, Indonesia, Australia, and other markets. Panasonic started operating a twin-base system with a presence in Japan and Malaysia.



1983

Launched inverter Air Conditioner

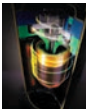
Started sales of Panasonic's first inverter air conditioners and has since gained increasing popularity. Inverter became the future technology of air conditioner market.

Launched Ductless Air Conditioners to USA

1985

Began development of Scroll Compressors

Began development of scroll compressors, offering high efficiency, low noise, and low vibration in comparison to rotary compressors.



1989

Introduced Simultaneous Heat & Cool VRF

1990

Launched world's first Compact Scroll Compressor-equipped Air Conditioner

1992

Developed industry's smallest outdoor air conditioning unit: "Chi-size"

1993

Established Matsushita-Wanbao (Guangzhou) Air Conditioner (MWAC)

Established Matsushita-Wanbao (Guangzhou) Compressor (MWCC)

Established Matsushita Air Conditioner Engineering (Matsushita ACE)

1995

Started the export of VRF

1998

Introduced GAS Heater Air Conditioner 14KGS11

2001

Introduced first VRF "ECO-Multi" to USA

2003

Launched first R410a refrigerant Ductless A/C to USA

Launched EcoCute as a result of better energy-saving technology

Launched accumulator-less, high-efficiency, CO₂ scroll compressor for EcoCute

Began production of Multi-split packaged air conditioner (mini-VRF)

2005

Launched air conditioner automatic filter cleaning function (AC robot)

Product became extremely successful in the Japanese market. Since then, Panasonic launched a series of innovative products such as airstream robots and motion sensors which significantly improved Panasonic's air conditioner market share.



2006

Renewed ECO-Multi to ECO-i, revised lineup to inverter driven

Aggregated global production of Panasonic compressors reached 200 million units

2008

In 2008 Energy Conservation Grand Prizes, EcoCute won its first Director General Prize of Agency of Natural Resources and Energy, while Panasonic air conditioner won the Chairman Prize of the Energy Conservation Center of Japan Started Air to Water heat pump business in Europe



2009

Established air conditioner dedicated sales company in Europe (PHAAE)

Panasonic HA Air-Conditioning Europe (PHAAE) strengthened the commercial air conditioning business.

2011

Integration of Sanyo HVAC USA into Panasonic Corporation of North America.

2013

Celebrating the 30th anniversary of marketing in the USA.

Serving the US Ductless market since 1983



2014

SYSTEM 5 and Wireless Communication

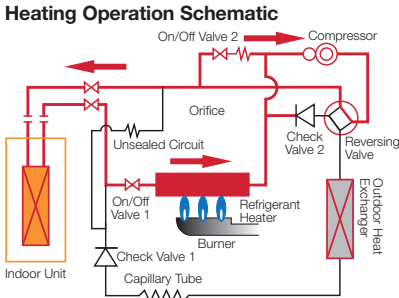


Technological Milestones

1998

Introduced revolutionary Gas Heater Air Conditioner 14KGS11.

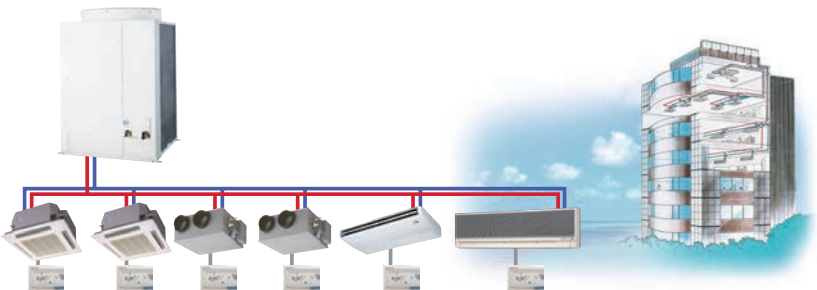
That maintains a consistent heating performance level, regardless of how much the ambient temperature goes down outside.



2001

Launched VRF "Eco-Multi" to the US market.

Eco-Multi was displayed at the AHR show, and was introduced to other ductless manufacturers. It's the new individual air-conditioning system that effectively combines a power control compressor and an electronic refrigerant control valve.



2003

First R410a driven ductless model, 24KS62R, was introduced.

Again, blazed a trail to other ductless manufacturers.



2013

EXTERIOS **XE** Series

SEER 28.5 Highest Efficient model in Industry as of 2013/March



2014

Introduce EXTERIOS **E** Series to the US market.

SEER 23 Built with the latest advanced technology for maximum energy savings

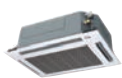


Air Conditioners and Heat Pumps Line-Up

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

Since 1983, Panasonic's 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 it is 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 (s). Panasonic Mini Split Systems are stylish and offer whisper-quiet operations, quality and reliability you can count on.

HEAT PUMP MODELS

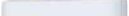
Low Ambient Type HEAT PUMP WITHOUT HEATER	Btu/h	9,000	12,000	18,000	24,000	26,000	30,000	36,000	42,000
	MODEL (System)	XE9PKUA, E9NKUA E9RKUA	XE12PKUA, E12NKUA E12RB4U, E12RKUA	E18NKUA, E18RB4U E18RKUA	E24NKUA, E24RKUA	26PEK1U6, 26PET1U6 26PEU1U6, 26PEF1U6	KE30NKU	KE36NKU, 36PET1U6 36PEU1U6, 36PEF1U6	42PET1U6 42PEU1U6
	EXTERIOS  Wall Mounted 	  CS-XE9PKUA CU-XE9PKUA	  CS-XE12PKUA CU-XE12PKUA						
	EXTERIOS  Wall Mounted 	  CS-E9RKUAW CU-E9RKUA	  CS-E12RKUAW CU-E12RKUA	  CS-E18RKUAW CU-E18RKUA	  CS-E24RKUAW CU-E24RKUA				
	Wall Mounted	  CS-E9NKUAW CU-E9NKUA	  CS-E12NKUAW CU-E12NKUA	  CS-E18NKUA CU-E18NKUA	  CS-E24NKUA CU-E24NKUA		  CS-KE30NKU CU-KE30NKU	  CS-KE36NKU CU-KE36NKU	
	Wall Mounted					 S-26PK1U6			
	Ceiling Suspended					 S-26PT1U6		 S-36PT1U6	 S-42PT1U6
	Ceiling Recessed		 CS-E12RB4UW	 CS-E18RB4UW		 S-26PU1U6		 S-36PU1U6	 S-42PU1U6
	Concealed Duct					 S-26PF1U6		 S-36PF1U6	
	Outdoor		 CU-E12RB4U	 CU-E18RB4U		 U-26PE1U6		 U-36PE1U6	 U-42PE1U6



MULTI ZONE MODELS

HEAT PUMP		HEAT PUMP													
		Indoor Unit					Outdoor Unit								
		Btu/h	7,000	9,000	12,000	7,000	9,000	12,000	18,000	24,000	7,000	9,000	12,000	18,000	24,000
Indoor Unit	Wall Mounted	 CS-ME7RKUA/ CS-E9RKUAW/CS-E12RKUAW			 CS-ME7RKUA/CS-E9RKUAW/ CS-E12RKUAW			 CS-E18RKUAW/ CS-E24RKUAW		 CS-MKE7NKU	 CS-MKE9NKU	 CS-MKE12NKU	 CS-MKE18NKU	 CS-MKE24NKU	
	Ceiling Recessed	 CS-E12RB4UW			 CS-E12RB4UW			 CS-E18RB4UW			 CS-MKE9NB4U	 CS-MKE12NB4U	 CS-KE18NB4UW		
Btu/h										19,000		24,000		31,000	
Outdoor Unit	Outdoor	 CU-2E18NBU			 CU-5E36OBU			 CU-3KE19NBU		 CU-4KE24NBU		 CU-4KE31NBU			

COOLING ONLY MODELS / LOW AMBIENT TYPE

Low Ambient Type	Btu/h	30,000	36,000
	MODEL (System)	KS30NKUA	KS36NKUA
	AIR CONDITIONER	  CS-KS30NKU CU-KS30NKUA	  CS-KS36NKU CU-KS36NKUA

* Please refer to the model identification on the back of this catalog.

Model Feature Chart

		HEAT PUMPS									LOW-AMBIENT AIR CONDITIONERS
		OP: Option									
	Wall Mounted	XE9PKUA XE12PKUA	E9RKUA E12RKUA E18RKUA E24RKUA	E9NKUA E12NKUA E18NKUA E24NKUA	KE30NKU KE36NKU		26PEK1U6				KS30NKUA KS36NKUA
	Ceiling Suspended							26PET1U6 36PET1U6 42PET1U6			
	Ceiling Recessed					E12RB4U E18RB4U		26PEU1U6 36PEU1U6 42PEU1U6			
	Concealed Duct								26PEF1U6 36PEF1U6		
	ECONAVI										
	Room Freeze Protection										
	Microprocessor-Controlled Operation										
	Wireless Remote Control							OP	OP	OP	
	Wired Remote Control	OP	OP	OP	OP	OP	OP				OP
	Self-Diagnosing Function										
	Dry Mode										
	5 Fan Speeds and Automatic Fan Operation										
	Air Sweep Control									-	
	Louver Control									-	
	Automatic Heating and Cooling Changeover										-
	Night Setback Mode for Cooling and Heating	-	-	-	-		-	-	-	-	
	Hot Start Heating System										-
	24-Hour Clock with ON/OFF Program Timer										
	1-Hour OFF Timer	-	-	-			-	-	-	-	
	Weekly Timer	-	-	-	-	-	OP				-
	System Controller	-	-	-	-	-	OP	OP	OP	OP	-
	Filter Sign				-	-					-
	Automatic Restart Function after Power Failure										
	Fresh Air Intake	-	-	-	-		-	OP*	OP	OP*	-
	Branch Extension	-	-	-	-		-	-			-
	Built-In Drain Pump	-	-	-	-		-	-			-
	Low Ambient Operation					-					
	Electric Expansion Valve										
	ODP=0 Refrigerant										
	Quiet Mode						-	-	-	-	
	Anti-microbial Filter	-	-		-	-	-	-	-	-	-
	Blue Fin Condenser				-	-	-	-	-	-	

* Field Supplied

Features

ECONAVI

ECONAVI features intelligent Human Activity Sensor and new technologies that can detect human activity and absence, and optimize air conditioner operation according to room conditions.

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

Dry Mode

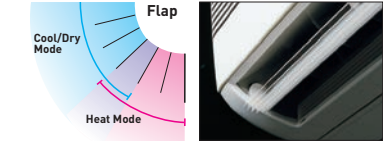
By coupling compressor and fan operation, intermittent operation can be precisely controlled according to room temperature, so that air is efficiently dehumidified.

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.



Louver Control

Louver can be manually set to the desired angle by remote control.

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).

1H Timer 1-hour OFF Timer

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

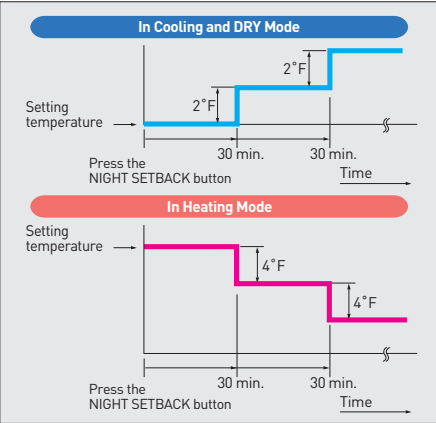
24H PROGRAM 24-hour Clock with ON/OFF Program Timer

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.

Night Setback Mode for Cooling and Heating

Cooling and DRY Mode: With the Night Setback Mode, the air conditioner automatically raises the setting temperature 2°F after 30 minutes, and then another 2°F after the next 30 minutes.

Heating Mode: With the Night Setback Mode, the setting temperature is automatically lowered 4°F after 30 minutes, and then another 4°F after the next 30 minutes. This saves energy without sacrificing comfort and is ideal for gentle cooling and heating.



Automatic Restart Function after Power Failure

This feature allows the system to automatically resume operation at its preset program, after power is restored from a power failure when the remote control is in the room.

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

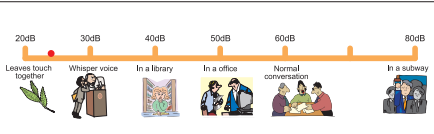
Max. head 20 inches from the discharge of the indoor unit. Condensation pump is only for allowing drain line to meet minimum gravity flow requirements.

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.

K1/T1/U1/F1 series with CZ-RTC2
XE/E/S 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).



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.

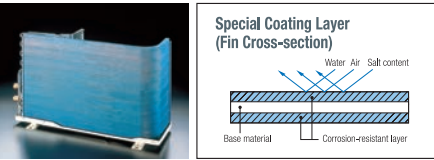
Test Comparison

	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

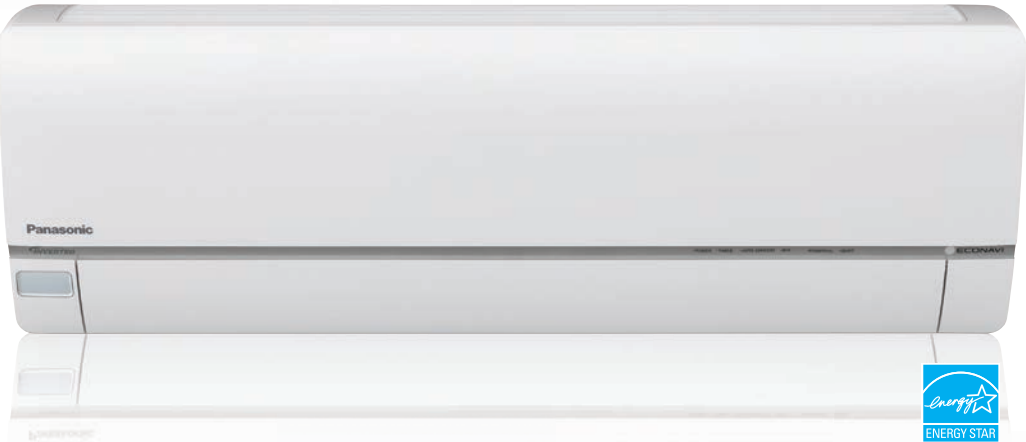
Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has extended the life of its condensers with an original anti-rust coating. Tested for 2,000 salt spray hours.



Panasonic sets another milestone in the Mini-Split History...

EXTERIOS - the latest breakthrough in energy efficiency and high performance with Inverter technology up to SEER 28.5 and up to HSPF 12.5

EXTERIOS **XE** EXTERIOS **E**



Wireless Remote Controller



Wired Remote Controller (CZ-RD516-1) (Optional)

SEER 28.5

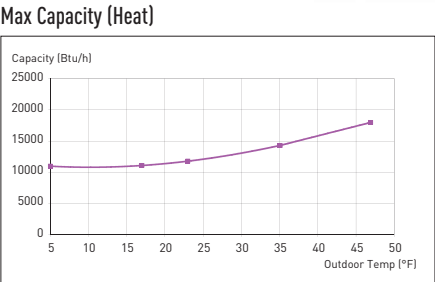
High Energy Efficiency up to SEER 28.5

Breakthrough technologies, such as the inverter, enables the highest energy efficiency. Thanks to this exceptional performance, you will enjoy even more comfort and cost savings.

LOW AMBIENT OPERATION

Powerful Heating at Low Ambient Temperatures

Offers reliable heating with full capacity down to 5°F.



INVERTER

Inverter Technology

Panasonic’s 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.



Panasonic ductless mini split systems are designed to care for you

With over 50 years of experience of exporting to more than 125 countries around the world, Panasonic is unquestionably one of the leaders in the air conditioning business. Panasonic has produced more than 200 million compressors and has manufactured high quality air conditioners.



Provides Optimum Performance While Reducing Energy Usage

Panasonic's inverter technology constantly adjusts its compressor rotation speed to provide maximum performance at all times. This extremely 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 performance while ensuring you stay comfortable at all times.

Constant Comfort

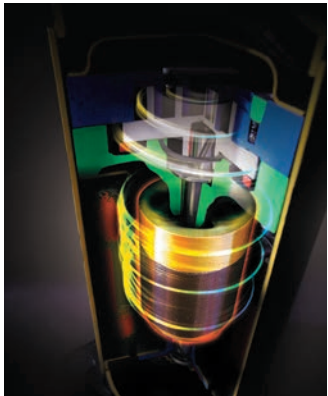
Precise temperature control with a wide power output range enables an inverter air conditioner to meet different room occupancy levels – thus ensuring constant comfort.

Quick Cooling and Heating

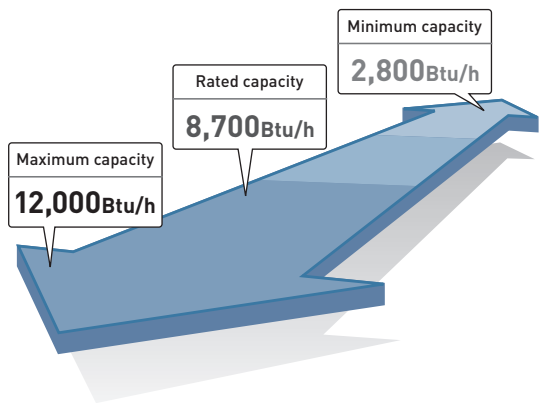
Panasonic Inverter air conditioners can operate with higher cooling/heating power during the start up period to cool/heat the room faster than non-inverter models.

Whisper Quiet Operation

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

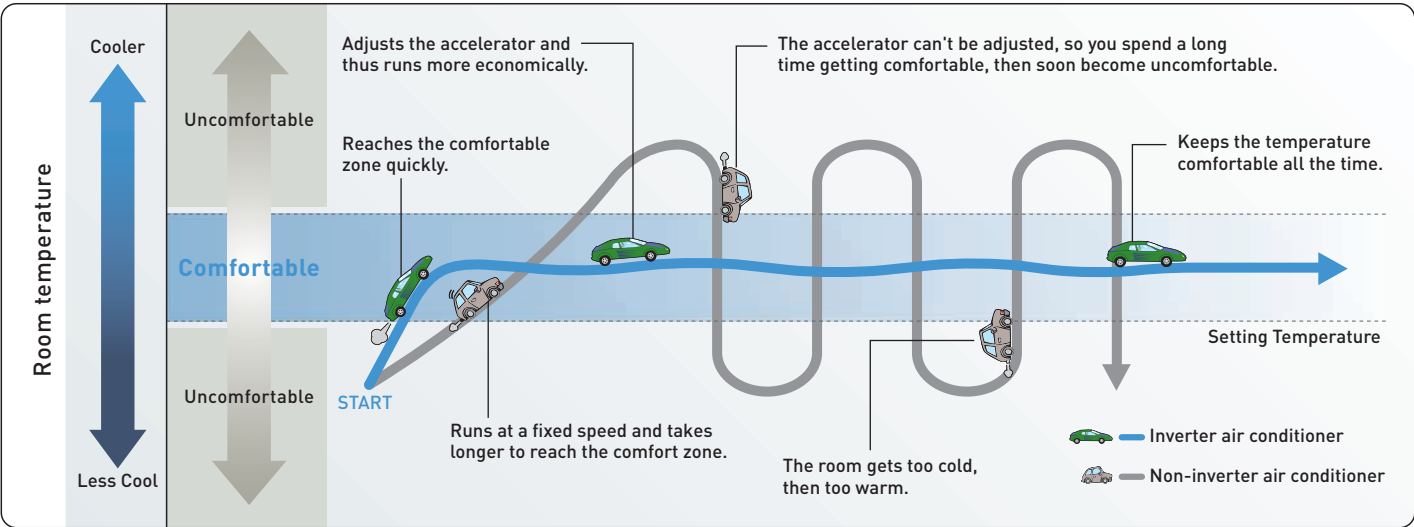


Wider Output Power Range



The Advantages of Inverter Control

Comparing inverter and non-inverter air conditioners to cars...



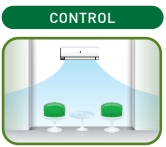
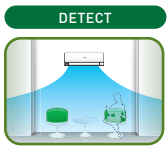
ECONAVI with Intelligent Eco Sensors



In 2007, Panasonic launched ECONAVI (Human Detection Technology) to its air conditioners. The ECONAVI sensors moderate the temperature in a room and senses when there is activity; which then automatically adjusts the temperature setting accordingly for maximum energy efficient operation. The absence detection feature switches to a slightly less powerful cooling mode when the room is empty.

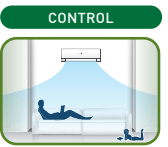
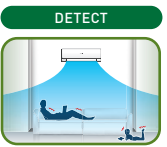
Absence Detection

ECONAVI detects human absence from the room and raises the target temperature.



Activity Detection

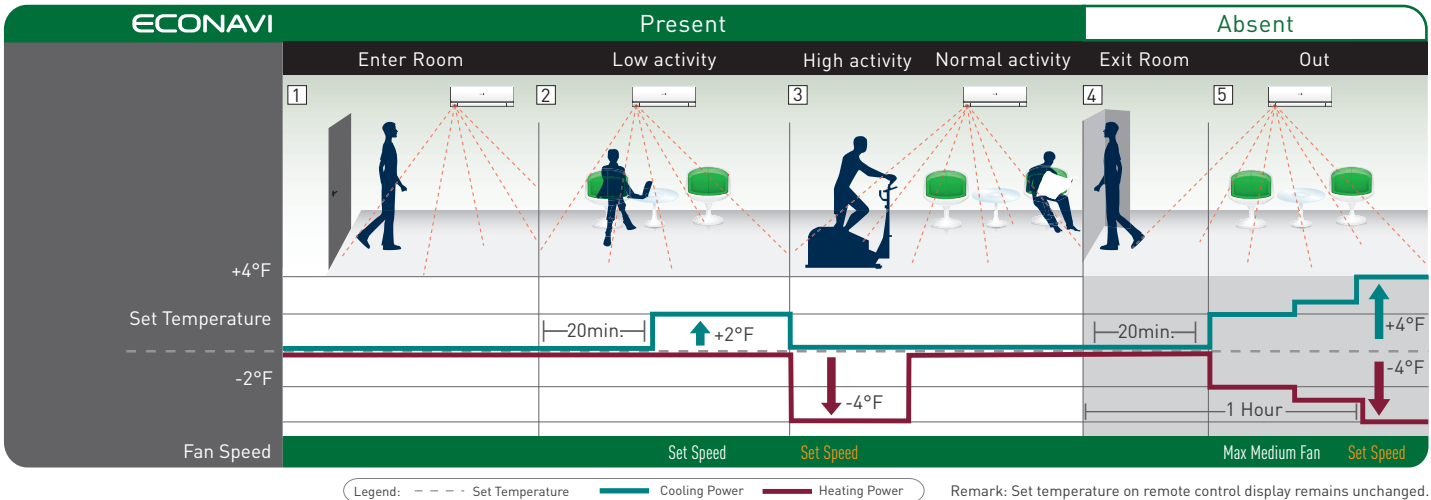
ECONAVI detects changes in activity levels and reduces the cooling power by adjusting set temperature.



ECONAVI in cooling mode: *The target temperature set by ECONAVI will be restored automatically to the set temperature when the new condition is detected.



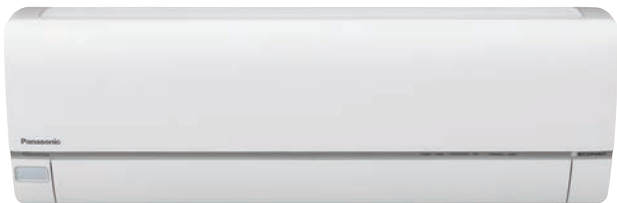
How Does ECONAVI Human Activity Work?



Wall-Mounted Heat Pumps

Wall Mounted Heat Pumps

XE9PKUA / XE12PKUA EXTERIOS XE



Indoor Unit
CS-XE9PKUA / CS-XE12PKUA



Outdoor Unit
CU-XE9PKUA / CU-XE12PKUA



Wireless
Remote
Controller



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



Wall Mounted Heat Pumps						
Model No.			XE9PKUA		XE12PKUA	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			CS-XE9PKUA	CU-XE9PKUA	CS-XE12PKUA	CU-XE12PKUA
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	8,700 (2,800–12,000)		11,500 (2,800–14,000)	
	Heating	Btu/h	12,000 (3,000–18,000) (10,600 at 17°F)		13,800 (3,000–23,000) (13,500 at 17°F)	
Moisture Removal	High	Pints/H	1.3		2.3	
Dry Air Flow	High	CFM	405		530	
SEER	Cooling		28.5		25.5	
EER	Cooling		16.1		14.35	
HSPF	Heating		12.5		12.0	
Power Supply	V, Phase, Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz	
Running Amps	Cooling	A	2.5 / 2.8		3.8 / 4.2	
	Heating	A	4.0 / 4.5		5.2/5.8	
Power Input	Cooling	W	540 (150–850)		800 (150–1,050)	
	Heating	W	860 (150–1,650)		1,150 (150–2,100)	
Back-up Heater		kW	---		---	
Fuse or Circuit Breaker Capacity		A	15		20	
Features						
Controls			Microprocessor		Microprocessor	
Low Ambient Control			Equipped		Equipped	
Wireless Controller			Included		Included	
Wired Remote Controller (optional)			CZ-RD516C-1		CZ-RD516C-1	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto	
Timer			24-hr Program		24-hr Program	
Air Deflection	Horizontal		Manual		Manual	
	Vertical		Automatic		Automatic	
Air Filter			Washable + Anti Microbial Filter		Washable + Anti Microbial Filter	
Refrigerant			R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In (Hi / Me / Lo / Qt)	dB-A	42 / 25 / 20		45 / 28 / 20	
	Outdoor (Hi)	dB-A	48		49	
Refrigerant Piping	Type		Flare		Flare	
	Discharge	inches	1/4"		1/4"	
	Suction	inches	3/8"		1/2"	
Refrigerant Pipe Length		Ft.	Max. 66		Max. 66	
Elevation Difference*	Outdoor Above	Ft.	Max. 49		Max. 49	
	Outdoor Below	Ft.	Max. 49		Max. 49	
Dimensions & Weight						
Height	inches	Indoor Unit	11-5/8"	Outdoor Unit	11-5/8"	Outdoor Unit
Width	inches		34-9/32"		34-9/32"	34-15/32"
Depth	inches		10-1/16"		10-1/16"	12-5/8"
Net Weight	Lbs.		24.0	97.0	24.0	97.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)



Wall-Mounted Heat Pumps

Wall Mounted Heat Pumps

EXTERIOS E E9RKUA / E12RKUA



Indoor Unit
CS-E9RKUAW / CS-E12RKUAW



Outdoor Unit
CU-E9RKUA / CU-E12RKUA



Wireless
Remote
Controller



Wired
Remote Controller
(CZ-RD516-1)
(Optional)



Wall Mounted Heat Pumps									
Model No.		E9RKUA		E12RKUA		E18RKUA		E24RKUA	
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
		CS-E9RKUAW	CU-E9RKUA	CS-E12RKUAW	CU-E12RKUA	CS-E18RKUAW	CU-E18RKUA	CS-E24RKUAW	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 / Qt)	dB-A	40 / 25 / 20		43 / 28 / 20		47 / 39 / 36		48 / 40 / 37
	Outdoor (Hi)	dB-A	47		48		49		51
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. 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									
Height	inches	Indoor Unit	11-7/16"	Outdoor Unit	21-9/32"	Indoor Unit	11-7/16"	Outdoor Unit	31-5/16"
Width	inches		34-9/32"		30-23/32"		42-5/32"		34-15/32"
Depth	inches		8-7/16"		11-13/32"		9-15/32"		12-5/8"
Net Weight	Lbs.		20.0		82.0		26.0		132.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.) ** Cooling only function



Wall-Mounted Heat Pumps

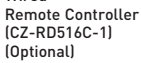
E9NKUA / E12NKUA



Indoor Unit
CS-E9NKUAW / CS-E12NKUAW



Outdoor Unit
CU-E9NKUA / CU-E12NKUA



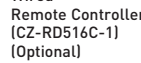
E18NKUA / E24NKUA



Indoor Unit
CS-E18NKUA / CS-E24NKUA



Outdoor Unit
CU-E18NKUA / CU-E24NKUA



Wall Mounted Heat Pumps										
Model No.		E9NKUA		E12NKUA		E18NKUA		E24NKUA		
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
		CS-E9NKUAW	CU-E9NKUA	CS-E12NKUAW	CU-E12NKUA	CS-E18NKUA	CU-E18NKUA	CS-E24NKUA	CU-E24NKUA	
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	8,500 (4,100–10,200)		12,000 (4,100–13,300)		17,100 (5,800–19,800)		24,000 (5,800–27,200)	
	Heating	Btu/h	11,200 (4,100–14,100)		13,800 (4,100–16,300)		20,400 (5,800–20,800)		28,800 (5,800–29,200)	
Moisture Removal	High	Pints/H	1.3		2.5		3.0		7.6	
Dry Air Flow	High	CFM	395		425		650		650	
SEER	Cooling		21.0		20.0		18.0		17.5	
EER	Cooling		13.1		12.0		13.2		10.2	
HSPF	Heating		10.5		10.6		8.5		8.5	
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	3.1 (–7)		4.7 (–7.8)		6.30 / 7.20		10.80 / 11.90	
	Heating	A	5.4 (–7)		5.8 (–7.8)		7.50 / 8.60		11.40 / 12.60	
Power Input	Cooling	W	650 (250–850)		1,000 (250–1,150)		1,300 (430–1,400)		2,350 (430–2,720)	
	Heating	W	1,150 (200–1,500)		1,300 (200–1,710)		1,600 (380–1,650)		2,500 (380–2,660)	
Back-up Heater		kW	---		---		---		---	
Fuse or Circuit Breaker Capacity	A		15		15		20		20	
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 / Qt)	dB-A	40 / 25 / 20		43 / 28 / 20		47 / 39 / 36		48 / 40 / 37	
	Outdoor (Hi)	dB-A	47		48		49		51	
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. 66		Max. 66		Max. 100		Max. 100	
Elevation Difference*	Outdoor Above	Ft.	Max. 49		Max. 49		Max. 49		Max. 49	
	Outdoor Below	Ft.	Max. 49		Max. 49		Max. 49		Max. 49	
Dimensions & Weight										
Height	inches		Indoor Unit 11-7/16"	Outdoor Unit 21-9/32"	Indoor Unit 11-7/16"	Outdoor Unit 21-9/32"	Indoor Unit 11-7/16"	Outdoor Unit 31-5/16"	Indoor Unit 11-7/16"	Outdoor Unit 31-5/16"
	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		8-1/16"	11-13/32"	8-1/16"	11-13/32"	9-9/32"	12-5/8"	9-9/32"	12-5/8"
Net Weight	Lbs.		20.0	82.0	20.0	82.0	26.0	132.0	26.0	132.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

Wall-Mounted Heat Pumps

26PEK1U6



Indoor Unit
S-26PK1U6



Outdoor Unit
U-26PE1U6



KE30NKU / KE36NKU



Indoor Unit
CS-KE30NKU / CS-KE36NKU



Outdoor Unit
CU-KE30NKU / CU-KE36NKU



Wall Mounted Heat Pumps									
Model No.			26PEK1U6		KE30NKU		KE36NKU		
Unit Model No.			Indoor Unit S-26PK1U6	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	25,200 (9,500–25,200)		30,600 (10,900–30,600)		34,000 (10,900–34,000)		
	Heating	Btu/h	29,200 (8,000–29,200)		33,000 (14,000–33,000)		36,000 (14,000–36,000)		
Moisture Removal	High	Pints/H	8.1		9.57		10.64		
Dry Air Flow	Hi / Med / Low	CFM	559 / 475 / 390		630 / 530 / 412		630 / 530 / 412		
SEER	Cooling		14.9		16		16		
EER	Cooling		8.9		9.3		8.5		
HSPF	Heating		10.2		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	15.3 / 16.9		16.5 (5–16.5) / 18.0		20 (5–20) / 21.9		
	Heating	A	14.0 / 15.5		15.3 (4.5–15.3) / 16.3		18.2 (4.5–18.2) / 19.9		
Power Input	Cooling	W	2,840 / 2,840		3,290		4,000		
	Heating	W	2,620 / 2,620		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-RTC2		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	41 / 37 / 34		49 / 44 / 39		49 / 44 / 39		
	Outdoor (Hi)	dB-A	49		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		12-63/64"	30-23/32"	11-3/16"	35-13/16"	11-3/16"	35-13/16"	
Width	inches		44-7/8"	37"	41-15/16"	37-1/32"	41-15/16"	37-1/32"	
Depth	inches		8-31/32"	13-3/8"	9-1/16"	13-3/8"	9-1/16"	13-3/8"	
Net Weight	Lbs.		40.0	128.0	32.0	185.0	32.0	185.0	

Wall-Mounted Air Conditioners

Low Ambient Models

KS30NKUA / KS36NKUA



Indoor Unit
CS-KS30NKU / CS-KS36NKU



Outdoor Unit
CU-KS30NKUA /
CU-KS36NKUA



Wireless
Remote
Controller



Wired Remote
Controller
CZ-RD515U
(Optional)



Wall Mounted 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		49 / 44 / 39	
	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						
Height		inches	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
		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

This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

Whole House Solutions



RAC Multi-System Indoor Units

E Series

The multi-system type allows a single outdoor unit to be connected to 2 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.



CS-E9RKUAW / CS-E12RKUAW

CS-ME7RKUA



Wireless Remote Controller "Included" with each indoor

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

Indoor Unit: Wall Mounted Type

Heat Pump				
Model No.	CS-ME7RKUA		CS-E9RKUAW	
Power Source	230V / 208V, 1PH, 60Hz		230V / 208V, 1PH, 60Hz	
Running Ampere	2.5 / 2.8		5.1 / 5.7	
Power Input	W		W	
Capacity	Cooling	Btu/h	Cooling	Btu/h
	Heating	Btu/h	Heating	Btu/h
Moisture Removal	High	Pints/H	High	Pints/H
Unit Dimensions (H x W x D)	inch		inch	
Net Weight	Lbs.		Lbs.	
Air Circulation (High)	Cooling	CFM	Cooling	CFM
	Heating	CFM	Heating	CFM
Operating Sound	Cooling	dB-A	Cooling	dB-A
	Heating	dB-A	Heating	dB-A
Refrigerant Tube Diameter	Discharge	inch	Discharge	inch
	Suction	inch	Suction	inch
Adapters required	n/a		n/a	
Elevation Difference*	Outdoor Above	Ft.	Outdoor Above	Ft.
	Outdoor Below	Ft.	Outdoor Below	Ft.

* CZ-MA1P-US (indoor)

RAC Multi-System Outdoor Units

For 2 Rooms



Blue Fin Condenser



CU-2E18NBU

Model No.	CU-2E18NBU	
Performance	Cooling	Heating
Capacity	Btu/h	Btu/h
Air Circulation	High	High
Number of Connectable Indoor Units	2	2
SEER	Cooling	18.0
EER	Cooling	11.5
HSPF	Heating	8.8
Electrical Rating	230V / 208V, 1PH, 61Hz	
Power Supply	V, Phase, Hz	V, Phase, Hz
Running Ampere	A	A
Power Input	W	W
Maximum Fuse Size	Amps	Amps
Features	Microprocessor	
Controls	Auto	
Fan Speeds	DC Inverter	
Compressor	R-410A / 67.80 Oz	
Refrigerant / Amount Charged at Shipment	Electric Expansion Valve	
Refrigerant Control	48	
Operation Sound	Hi	dB-A
Refrigerant Tubing Connections	Type	
Max. Allowable Tubing Length	Ft.	
Refrigerant Tube Diameter	Discharge	inch
	Suction	inch
Dimensions & Weight	31-5/16" x 34-15/32" (+3-3/4) x 12-5/8"	
Unit Dimensions	H x W x D	inch
Net Weight	Lbs.	

CU-2E18NBU-Cooling

		Cooling Capacity(BTU/h)				Input Power (W)		Current, 208V (A)	Current, 230V (A)	Moisture Removal Volume
		Room A	Room B	Total	min - max	Rating	min - max			pt/h
1 Room	CS-ME7RKUA	6,900	---	6,900	6,100 - 9,900	500	340 - 810	2.8	2.5	0.8
	CS-E9RKUAW	9,600	---	9,600	6,200 - 11,200	850	390 - 1,020	4.5	4.1	1.1
	CS-E12RKUAW*	10,900	---	10,900	6,300 - 12,800	1,000	390 - 1,230	5.2	4.7	1.3
2 Room	CS-ME7RKUA + CS-ME7RKUA	6,900	6,900	13,800	6,600 - 16,200	1,050	390 - 1,400	5.5	5.0	0.8 + 0.8
	CS-ME7RKUA + CS-E9RKUAW	6,900	9,600	16,500	7,000 - 19,600	1,500	390 - 1,970	7.8	7.1	0.8 + 1.1
	CS-ME7RKUA + CS-E12RKUAW	6,500	10,200	16,700	7,100 - 20,000	1,500	390 - 1,970	7.8	7.1	0.8 + 1.3
	CS-E9RKUAW / CS-E9RKUAW	8,350	8,350	16,700	7,100 - 19,200	1,450	390 - 1,920	7.6	6.9	1.1 + 1.1
	CS-E9RKUAW / CS-E12RKUAW*	7,800	8,900	16,700	7,200 - 20,000	1,450	390 - 1,870	7.6	6.9	1.1 + 1.3
	CS-E12RKUAW / CS-E12RKUAW*	8,350	8,350	16,700	7,200 - 20,000	1,450	390 - 1,840	7.6	6.9	1.3 + 1.3

CU-2E18NBU-Heating

		Heating Capacity(BTU/h)				Input Power (W)		Current, 208V (A)	Current, 230V (A)	Moisture Removal Volume
		Room A	Room B	Total	min - max	Rating	min - max			pt/h
1 Room	CS-ME7RKUA	10,900	---	10,900	4,100 - 14,000	740	300 - 1,230	4.1	3.7	---
	CS-E9RKUAW	13,700	---	13,700	6,400 - 15,700	1,150	440 - 1,450	5.9	5.4	---
	CS-E12RKUAW	15,300	---	15,300	6,500 - 17,500	1,300	440 - 1,630	6.6	6.0	---
2 Room	CS-ME7RKUA + CS-ME7RKUA	10,100	10,100	20,200	7,100 - 23,200	1,850	420 - 2,240	9.0	8.1	---
	CS-ME7RKUA + CS-E9RKUAW	8,400	11,800	20,200	7,000 - 23,800	1,850	420 - 2,290	9.0	8.1	---
	CS-ME7RKUA + CS-E12RKUAW	7,700	12,500	20,200	7,100 - 24,200	1,850	420 - 2,310	9.0	8.1	---
	CS-E9RKUAW + CS-E9RKUAW	10,100	10,100	20,200	7,100 - 24,600	1,850	420 - 2,310	9.0	8.1	---
	CS-E9RKUAW + CS-E12RKUAW*	9,400	10,800	20,200	7,200 - 24,600	1,850	420 - 2,290	9.0	8.1	---
	CS-E12RKUAW* + CS-E12RKUAW*	10,100	10,100	20,200	7,200 - 24,600	1,850	420 - 2,290	9.0	8.1	---

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. [Refer to the table on the P.34 in the catalog for more detail.]

* For CS-E12RKUAW, the pipe size reducer CZ-MA1P must be used when connecting with multi-zone outdoor unit.

RAC Multi-System Heat Pump

Advantages of New Multi-Split Inverter System

Connectable from 2 to 5 Indoor units. System 5 allows single outdoor unit to be connected to 2-5 indoor units.
It solves the problem of limited installation space does not clutter the exterior of your home.

Up to 5 Rooms



Indoor Unit: Wall Mounted Type

Model No.		NEW	CS-ME7RKUA	CS-E9RKUAW	CS-E12RKUAW	CS-E18RKUAW	CS-E24RKUAW
Performance & Electrical Ratings							
Capacity	Cooling	Btu/h	6,900 (4,100-9,900)	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	10,900 (4,100-14,000)	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	0.8	1.3	1.7	3.0	7.6
	High	CFM	425	455	505	695	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
Running Amps	Cooling	A	2.5 / 2.8	3.2 / 3.6	4.2 / 4.7	6.3 / 7.0	10.8 / 11.9
	Heating	A	3.7 / 4.1	5.1 / 5.7	5.6 / 6.3	8.3 / 9.3	11.4 / 12.6
Power Input	Cooling	W	500 (340-810)	690 (250-850)	920 (250-1,150)	1,300 (430-1,600)	2,350 (430-2,720)
	Heating	W	740 (300-1,230)	1,120 (300-1,230)	1,250 (300-1,710)	1,750 (380-1,800)	2,500 (380-2,660)
Operation Sound [Hi / Me / Lo / Q-Lo]	Cooling		39 / 25	40 / 25 / 20	43 / 28 / 20	47 / 39 / 36	48 / 40 / 37
	Heating		41 / 29	42 / 29 / 26	44 / 35 / 32	46 / 39 / 36	48 / 40 / 37
Elevation Difference*	Outdoor Above	ft	Max. 49	Max. 49.2	Max. 49.2	Max. 49.2	Max. 49.2
	Outdoor Below	ft	Max. 49	Max. 49.2	Max. 49.2	Max. 49.2	Max. 49.2
Refrigerant Tube Diameter	Discharge	inches	1/4"	1/4"	1/4"	1/4"	1/4"
	Suction	inches	3/8"	3/8"	1/2"	5/8"	
Adapters Required			n/a	n/a	n/a	n/a	n/a
Dimensions & Weight							
Height	inches		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"	42-5/32"	42-5/32"
Depth	inches		8-7/16"	8-7/16"	8-7/16"	9-15/32"	9-15/32"
Net Weight	lb		9.0	20.0	20.0	26.0	26.0

Caution: All field installed tubing must be compliant to refrigerant 410a.

* A minimum of 2 indoor units must be connected.
* 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)

RAC Multi-System Heat Pump

CS-ME7RKUA / CS-E9RKUAW / CS-E12RKUAW



CS-E18RKUAW / CS-E24RKUAW



Wireless Remote Controller (Standard)



Wired Remote Controller CZ-RD516-1 (Optional)

Tubing Length

Outdoor Tube Size	Narrow	Inches	1/4"
	Wide	Inches	3/8"
Maximum length of tubing between In / Outdoor		ft	82/unit (262 total)
Maximum Elevation difference between In / Outdoor	Above	ft	49
	Below	ft	25
Maximum Length (ft) of Tubing at shipment (System)*		ft	150
Required Additional Refrigerant		Oz/ft	R410a 0.2
Insulation			Both tubes

* It is possible to have a combination of wall-mounted models [CS-ME7OKUA, CS-E9NKUAW, E12NKUAW, CS-E18NKUA, E24NKUA] for the [CU-5E36QBU].
* A minimum of 2 indoor units must be connected.
* No additional refrigerant needed up to 138 ft. of combined tubing.

Specifications

Model No.			CU-5E36QBU	
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	Cooling		18.5	
EER	Cooling		9.60	
HSPF	Heating		10.0	
Electrical Rating				
Power Supply	V, Phase, Hz		230V / 208V, 1Ph, 60Hz	
Running Ampere	A		17.2 / 19.0	13.4 / 14.8
Power Input	W		3,750 (550-3,860)	2,900 (530-4,240)
Maximum Fuse Size	Amps		45A	
Features				
Controls			Microprocessor	
Compressor			DC 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			82 (per Unit) 262 (per System) with additional refrigerant	
Refrigerant Tube Diameter	Discharge	inches	1/4" x 5	
	Suction	inches	3/8" x 5	
Adapters Required			CZ-MA2P - Outdoor Unit (When connected to CS-24NKUA)	
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	

* Test condition based on AHRI 210/240
* When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.
* Use CZ-MA2P when connecting with CS-E24NKUA (3/8" to 1/2")



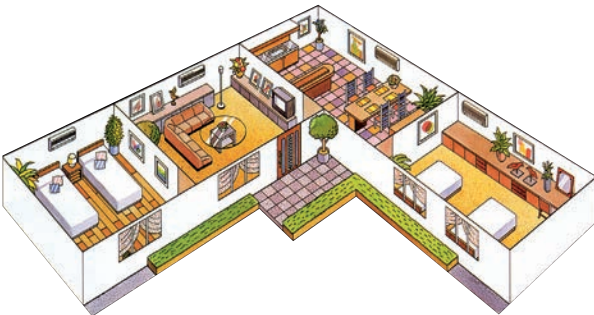
RAC Multi-Combination Tables Heat Pump

CU-5KE36QBU 230V

	Indoor Unit Combination			Indoor Unit Capacity (BTU/h)																			
				COOLING					HEATING														
				Room A	Room B	Room C	Room D	Room E	Total Performance				Room A	Room B	Room C	Room D	Room E	Total Performance					
						Capacity	(	Min.	-	Max.	)							Capacity	(	Min.	-	Max.	)
2-room Operation	6,900 + 8,600	= 15,500	6,844	8,556			15,400	(	9,900	-	19,800	)	9,244	11,556				20,800	(	8,200	-	28,000	)
	6,900 + 10,900	= 17,800	6,846	10,954			17,800	(	9,900	-	19,800	)	9,077	14,523				23,600	(	8,200	-	29,400	)
	6,900 + 17,100	= 24,000	6,857	17,143			24,000	(	9,900	-	28,000	)	8,743	21,857				30,600	(	8,200	-	37,600	)
	6,900 + 24,000	= 30,900	6,844	23,956			30,800	(	9,900	-	35,400	)	8,089	28,311				36,400	(	8,900	-	44,500	)
	8,600 + 8,600	= 17,200	8,600	8,600			17,200	(	9,900	-	19,800	)	11,100	11,100				22,200	(	8,200	-	29,400	)
	8,600 + 10,900	= 19,500	8,553	10,947			19,500	(	9,900	-	22,800	)	10,877	13,923				24,800	(	8,200	-	34,400	)
	8,600 + 17,100	= 25,700	8,533	17,067			25,600	(	9,900	-	30,000	)	10,667	21,333				32,000	(	8,200	-	37,600	)
	8,600 + 24,000	= 32,600	8,579	24,021			32,600	(	9,900	-	36,200	)	9,947	27,853				37,800	(	8,900	-	44,500	)
	10,900 + 10,900	= 21,800	10,900	10,900			21,800	(	9,900	-	24,600	)	13,800	13,800				27,600	(	8,200	-	37,600	)
	10,900 + 17,100	= 28,000	10,927	17,073			28,000	(	9,900	-	32,000	)	13,580	21,220				34,800	(	8,200	-	40,500	)
	10,900 + 24,000	= 34,900	10,918	23,882			34,800	(	9,900	-	37,600	)	11,859	25,941				37,800	(	8,900	-	47,000	)
	17,100 + 17,100	= 34,200	17,100	17,100			34,200	(	9,900	-	37,600	)	18,900	18,900				37,800	(	8,200	-	47,000	)
	17,100 + 24,000	= 41,100	15,000	21,000			36,000	(	9,900	-	37,600	)	15,750	22,050				37,800	(	8,900	-	47,000	)
	24,000 + 24,000	= 48,000	18,000	18,000			36,000	(	9,900	-	37,600	)	18,900	18,900				37,800	(	9,500	-	47,000	)
3-room Operation	6,900 + 6,900 + 6,900	= 20,700	6,867	6,867	6,867		20,600	(	9,900	-	27,600	)	9,867	9,867	9,867			29,600	(	11,600	-	42,000	)
	6,900 + 6,900 + 8,600	= 22,400	6,892	6,892	8,616		22,400	(	9,900	-	27,600	)	9,415	9,415	11,770			30,600	(	11,600	-	42,000	)
	6,900 + 6,900 + 10,900	= 24,700	6,833	6,833	10,934		24,600	(	9,900	-	27,600	)	9,278	9,278	14,844			33,400	(	11,600	-	42,000	)
	6,900 + 6,900 + 17,100	= 30,900	6,844	6,844	17,112		30,800	(	9,900	-	33,800	)	8,400	8,400	21,000			37,800	(	11,600	-	46,500	)
	6,900 + 6,900 + 24,000	= 37,800	6,545	6,545	22,910		36,000	(	9,900	-	38,000	)	6,873	6,873	24,054			37,800	(	11,600	-	47,000	)
	6,900 + 8,600 + 8,600	= 24,100	6,858	8,571	8,571		24,000	(	9,900	-	27,600	)	9,142	11,429	11,429			32,000	(	11,600	-	42,000	)
	6,900 + 8,600 + 10,900	= 26,400	6,857	8,571	10,972		26,400	(	9,900	-	27,600	)	9,039	11,299	14,462			34,800	(	11,600	-	44,000	)
	6,900 + 8,600 + 17,100	= 32,600	6,863	8,579	17,158		32,600	(	9,900	-	35,800	)	7,958	9,947	19,895			37,800	(	11,600	-	46,500	)
	6,900 + 8,600 + 24,000	= 39,500	6,261	7,826	21,913		36,000	(	9,900	-	38,000	)	6,574	8,217	23,009			37,800	(	11,600	-	47,000	)
	6,900 + 10,900 + 10,900	= 28,700	6,858	10,971	10,971		28,800	(	9,900	-	31,400	)	8,952	14,324	14,324			37,600	(	11,600	-	44,000	)
	6,900 + 10,900 + 17,100	= 34,900	6,823	10,918	17,059		34,800	(	9,900	-	38,000	)	7,412	11,859	18,529			37,800	(	11,600	-	46,500	)
	6,900 + 10,900 + 24,000	= 41,800	5,901	9,443	20,656		36,000	(	9,900	-	38,000	)	6,196	9,915	21,689			37,800	(	11,600	-	47,000	)
	6,900 + 17,100 + 17,100	= 41,100	6,000	15,000	15,000		36,000	(	9,900	-	38,000	)	6,300	15,750	15,750			37,800	(	11,600	-	47,000	)
	6,900 + 17,100 + 24,000	= 48,000	5,143	12,857	18,000		36,000	(	9,900	-	38,000	)	5,400	13,500	18,900			37,800	(	11,600	-	48,000	)
	6,900 + 24,000 + 24,000	= 54,900	4,500	15,750	15,750		36,000	(	9,900	-	38,000	)	4,724	16,538	16,538			37,800	(	11,600	-	49,000	)
	8,600 + 8,600 + 8,600	= 25,800	8,600	8,600	8,600		25,800	(	9,900	-	27,600	)	11,000	11,000	11,000			33,000	(	11,600	-	42,000	)
	8,600 + 8,600 + 10,900	= 28,100	8,598	8,598	11,004		28,200	(	9,900	-	31,400	)	10,915	10,915	13,970			35,800	(	11,600	-	44,000	)
	8,600 + 8,600 + 17,100	= 34,300	8,550	8,550	17,100		34,200	(	9,900	-	38,000	)	9,450	9,450	18,900			37,800	(	11,600	-	46,500	)
	8,600 + 8,600 + 24,000	= 41,200	7,500	7,500	21,000		36,000	(	9,900	-	38,000	)	7,875	7,875	22,050			37,800	(	11,600	-	47,000	)
	8,600 + 10,900 + 10,900	= 30,400	8,540	10,930	10,930		30,400	(	9,900	-	33,800	)	10,618	13,591	13,591			37,800	(	11,600	-	46,500	)
	8,600 + 10,900 + 17,100	= 36,600	8,411	10,766	16,823		36,000	(	9,900	-	38,000	)	8,831	11,305	17,664			37,800	(	11,600	-	47,000	)
	8,600 + 10,900 + 24,000	= 43,500	7,086	9,071	19,843		36,000	(	9,900	-	38,000	)	7,441	9,524	20,835			37,800	(	11,600	-	48,000	)
	8,600 + 17,100 + 17,100	= 42,800	7,200	14,400	14,400		36,000	(	9,900	-	38,000	)	7,560	15,120	15,120			37,800	(	11,600	-	47,000	)
	8,600 + 17,100 + 24,000	= 49,700	6,207	12,414	17,379		36,000	(	9,900	-	38,000	)	6,517	13,034	18,249			37,800	(	11,600	-	48,000	)
	8,600 + 24,000 + 24,000	= 56,600	5,454	15,273	15,273		36,000	(	9,900	-	38,000	)	5,728	16,036	16,036			37,800	(	11,600	-	49,000	)
	10,900 + 10,900 + 10,900	= 32,700	10,933	10,933	10,933		32,800	(	9,900	-	35,800	)	12,600	12,600	12,600			37,800	(	11,600	-	46,500	)
	10,900 + 10,900 + 17,100	= 38,900	10,105	10,105	15,790		36,000	(	9,900	-	38,000	)	10,611	10,611	16,578			37,800	(	11,600	-	47,000	)
	10,900 + 10,900 + 24,000	= 45,800	8,597	8,597	18,806		36,000	(	9,900	-	38,000	)	9,027	9,027	19,746			37,800	(	11,600	-	48,000	)
	10,900 + 17,100 + 17,100	= 45,100	8,728	13,636	13,636		36,000	(	9,900	-	38,000	)	9,164	14,318	14,318			37,800	(	11,600	-	48,000	)
	10,900 + 17,100 + 24,000	= 52,000	7,579	11,842	16,579		36,000	(	9,900	-	38,000	)	7,958	12,434	17,408			37,800	(	11,600	-	49,000	)
	10,900 + 24,000 + 24,000	= 58,900	6,698	14,651	14,651		36,000	(	9,900	-	38,000	)	7,032	15,384	15,384			37,800	(	11,600	-	49,000	)
	17,100 + 17,100 + 17,100	= 51,300	12,000	12,000	12,000		36,000	(	9,900	-	38,000	)	12,600	12,600	12,600			37,800	(	11,600	-	49,000	)
	17,100 + 17,100 + 24,000	= 58,200	10,588	10,588	14,824		36,000	(	9,900	-	38,000	)	11,118	11,118	15,564			37,800	(	11,600	-	49,000	)
4-room Operation	6,900 + 6,900 + 6,900 + 6,900	= 27,600	6,850	6,850	6,850	6,850	27,400	(	9,900	-	36,400	)	9,450	9,450	9,450	9,450		37,800	(	11,600	-	48,500	)
	6,900 + 6,900 + 6,900 + 8,600	= 29,300	6,871	6,871	6,871	8,587	29,200	(	9,900	-	36,400	)	8,894	8,894	8,894	11,118		37,800	(	11,600	-	48,500	)
	6,900 + 6,900 + 6,900 + 10,900	= 31,600	6,870	6,870	6,870	10,990	31,600	(	9,900	-	36,400	)	8,217	8,217	8,217	13,149		37,800	(	11,600	-	48,500	)
	6,900 + 6,900 + 6,900 + 17,100	= 37,800	6,545	6,545	6,545	16,365	36,000	(	9,900	-	36,400	)	6,873	6,873	6,873	17							

Fits with Various Sizes of Rooms and Lifestyle

The multi-system type allows a single outdoor unit to be connected to 2 to 4 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.



CS-MKE7NКУ / CS-MKE9NКУ / CS-MKE12NКУ CS-MKE18NКУ / CS-MKE24NКУ



Wireless Remote Controller (Included) with each indoor



Wired Remote Controller CZ-RD515U (Optional)

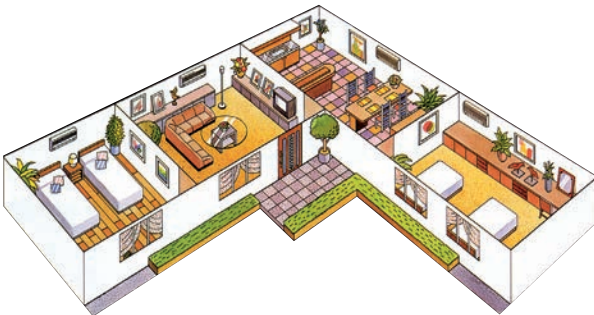
Indoor Unit: Wall Mounted Type

		Heat Pump				
Model No.		CS-MKE7NКУ	CS-MKE9NКУ	CS-MKE12NКУ	CS-MKE18NКУ	CS-MKE24NКУ
Power Source	A	230V-208V, 1 PH, 60 Hz				
Running Ampere	W	0.11 / 0.12	0.15 / 0.17	0.15 / 0.17	0.15 / 0.17	0.20 / 0.22
Power Input		25	35	35	35	45
Capacity	Cooling	Btu/h	7,500	9,000	11,900	17,500
	Heating	Btu/h	8,500	12,200	14,300	20,000
Moisture Removal	High	Pints/H	2.77	3.40	4.26	4.89
Unit Dimensions (H x W x D)	inch	11"-7/32" x 32"-15/32" x 7"-7/16"				
Net Weight	Lbs.	19.8	19.8	19.8	26.5	26.5
Air Circulation (H.M.L)	Cooling	CFM	241 / 224 / 212	259 / 249 / 212	282 / 257 / 218	500 / 447 / 377
	Heating	CFM	271 / 241 / 218	282 / 271 / 218	294 / 271 / 218	500 / 447 / 377
Hi / Me / Lo / Qt	Cooling	dB-A	33 / 30 / 27 / 23	34 / 31 / 28 / 23	36 / 33 / 29 / 25	41 / 38 / 34 / 28
	Heating	dB-A	33 / 30 / 27 / 23	34 / 31 / 28 / 23	34 / 31 / 29 / 25	40 / 37 / 34 / 28
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"	1/4"	1/4"
	Suction	inch	3/8"	3/8"	3/8"	5/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50	Max. 50	Max. 50

* 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)

Fits with Various Sizes of Rooms and Lifestyle

The multi-system type allows a single outdoor unit to be connected to 2 to 4 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.



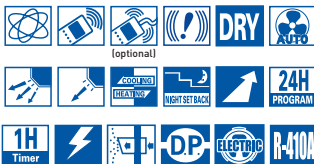
CS-MKE9NB4U / CS-MKE12NB4U / CS-KE18NB4UW



Wireless Remote Controller (Included) with each indoor



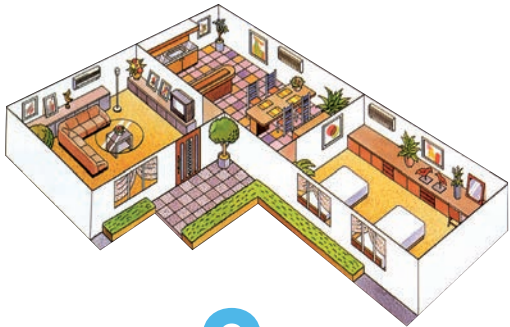
Wired Remote Controller CZ-RD515U Wire Kit CZ-RC515U (Optional)



Indoor Unit: Ceiling Recessed Type

		Heat Pump		
Model No.		CS-MKE9NB4U	CS-MKE12NB4U	CS-KE18NB4UW
Grille Assemble		CZ-18BT1U		
Power Source		230V-208V, 1 PH, 60 Hz		
Running Ampere	A	0.10 / 0.11 & 0.12 / 0.13	0.11 / 0.12 & 0.13 / 0.14	0.15 / 0.16 & 0.19 / 0.20
Power Input	W	16 / 18	17 / 19	22 / 27
Capacity	Cooling	Btu/h	9,000	11,900
	Heating	Btu/h	12,300	13,600
Moisture Removal	High	Pints/H	3.4	4.26
Unit Dimensions (H x W x D)	inch	12.5"-16" x 24"-19/32" x 24"-19/32"		
Net Weight	Lbs	41.3		
Air Circulation (H.M.L)	Cooling	CFM	221 / 206 / 194	235 / 206 / 194
	Heating	CFM	247 / 235 / 224	268 / 247 / 224
Operating Sound (H/L)	Cooling	dB-A	33 / 32 / 31	34 / 32 / 31
	Heating	dB-A	34 / 33 / 32	35 / 34 / 32
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"
	Suction	inch	3/8"	1/2"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50

* 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)

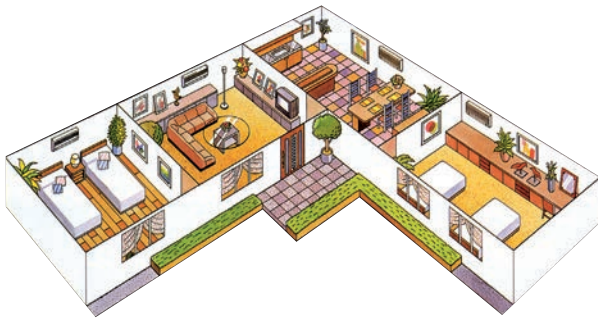


Up to **3** Rooms



CU-3KE19NBU

Connectable from 2 to 3 Indoor Units



Up to **4** Rooms



CU-4KE24NBU



CU-4KE31NBU

Connectable from 2 to 4 Indoor Units



Outdoor Unit

Model No.			CU-3KE19NBU		
Performance			Cooling		Heating
Capacity		Btu/h	17,000		23,200
Air Circulation	High	CFM			1,707
Number of Connectable Indoor Units			2-3		
SEER	Cooling		18.0		
EER	Cooling		12.0		
HSPF	Heating		8.8		
Electrical Rating					
Power Supply	V, Phase, Hz		230V / 208V, 1Ph, 60Hz		
Running Ampere	A		6.3 / 7.0		9.1 / 10.1
Power Input	W		1,420		2,050
Maximum Fuse Size	Amps		15A		
Features					
Controls			Microprocessor		
Fan Speeds			Auto (Hi, Me, Lo)		
Compressor			DC Inverter		
Refrigerant / Amount Charged at Shipment			R-410A / 6.17		
Refrigerant Control			Electric Expansion Valve		
Operation Sound	Hi	dB-A	50		52
Refrigerant Tubing Connections	Type		Flare		
Max. Allowable Tubing Length			82 (per Unit) 150 (per System) with additional refrigerant		
Refrigerant Tube Diameter	Discharge	inch	1/4" x 3		
	Suction	inch	3/8" x 3		
Dimensions & Weight					
Unit Dimensions	H x W x D	inch	29-1/8" x 35-7/16" x 12-19/32"		
Net Weight		Lbs.	143.0		

IMPORTANT It is not possible to connect an outdoor unit to only a single indoor unit. If operated with only ONE indoor unit installed, the returning refrigerant to the compressor may cause a malfunction.

* Test Conditions based on AHRI 210/240

Outdoor Unit

Model No.			CU-4KE24NBU			CU-4KE31NBU		
Performance			Cooling		Heating	Cooling		Heating
Capacity		Btu/h	22,400		1,707	29,000 / 28,600		1,942
Air Circulation		High CFM			2-4			2-4
SEER		Cooling			18.0			17.2
EER		Cooling			11.5			11.2
HSPF		Heating			8.5			9.3
Electrical Rating								
Power Supply		V, Phase, Hz	230V / 208V, 1Ph, 60Hz			230V / 208V, 1Ph, 60Hz		
Running Ampere		A	8.7 / 9.6		10.0 / 11.0	11.4 / 12.6		10.1 / 11.2
Power Input		W	1,950		2,250	2,600 / 2,560		2,300
Maximum Fuse Size		Amps	20A			20A		
Features								
Controls			Microprocessor			Microprocessor		
Fan Speeds			Auto (Hi, Me, Lo)			Auto (Hi, Me, Lo)		
Compressor			DC Inverter			DC Inverter		
Refrigerant / Amount Charged at Shipment			R-410A / 6.17			R-410A / 8.38		
Refrigerant Control			Electric Expansion Valve			Electric Expansion Valve		
Operation Sound		Hi dB-A	50		52	53		55
Refrigerant Tubing Connections		Type	Flare			Flare		
Max. Allowable Tubing Length		Ft	82 (per Unit) 200 (per System with additional Refrigerant)			100 (per Unit) 230 (per System with additional Refrigerant)		
Refrigerant Tube Diameter		Discharge	inch		1/4" x 4	1/4" x 4		
		Suction	inch		3/8" x 3 + 1/2" x 1	3/8" x 2 + 1/2" x 2		
Dimensions & Weight								
Unit Dimensions		H x W x D inch	29-1/8" x 35-7/16" x 12-19/32"			35-1/32" x 35-7/16" x 12-19/32"		
Net Weight		Lbs.	143.3			181.0		

IMPORTANT It is not possible to connect an outdoor unit to only a single indoor unit. If operated with only ONE indoor unit installed, the returning refrigerant to the compressor may cause a malfunction.

* Test Conditions based on AHRI 210/240

RAC Multi-Combination Tables Cooling

Most popular combinations refer to technical manual for complete listing of combinations.

CU-3KE19NBU

	Indoor Unit Combination			Indoor Unit Capacity (BTU/h)																		
				COOLING						HEATING												
				Room A	Room B	Room C	Total Performance				Room A	Room B	Room C	Total Performance								
						Capacity	(	Min.	-	Max.	)					Capacity	(	Min.	-	Max.	)	
2-room Operation	7,500 + 7,500	= 15,000	7,500	7,500			15,000	(	6,800	-	17,400	)	8,500	8,500			17,000	(	6,800	-	21,800	)
	7,500 + 9,000	= 16,500	7,500	9,000			16,500	(	6,800	-	18,600	)	8,525	12,275			20,800	(	7,100	-	24,800	)
	7,500 + 11,900	= 19,400	6,727	10,673			17,400	(	6,800	-	18,600	)	8,358	14,042			22,400	(	7,100	-	24,800	)
	7,500 + 17,500	= 25,000	5,520	12,880			18,400	(	7,100	-	18,600	)	7,000	16,800			23,800	(	8,100	-	24,800	)
	9,000 + 9,000	= 18,000	8,500	8,500			17,000	(	6,800	-	18,600	)	11,600	11,600			23,200	(	7,800	-	24,800	)
	9,000 + 11,900	= 20,900	7,622	10,078			17,700	(	7,100	-	18,600	)	10,800	12,600			23,400	(	7,800	-	24,800	)
	9,000 + 17,500	= 26,500	6,317	12,283			18,600	(	7,100	-	18,600	)	9,075	15,125			24,200	(	8,100	-	24,800	)
	11,900 + 11,900	= 23,800	9,200	9,200			18,400	(	6,800	-	18,600	)	11,900	11,900			23,800	(	7,800	-	24,800	)
3-room Operation	11,900 + 17,500	= 29,400	7,529	11,071			18,600	(	7,100	-	18,600	)	10,129	14,471			24,600	(	8,100	-	24,800	)
	7,500 + 7,500 + 7,500	= 22,500	6,000	6,000	6,000		18,000	(	8,500	-	18,600	)	7,800	7,800	7,800		23,400	(	9,200	-	24,800	)
	7,500 + 7,500 + 9,000	= 24,000	5,750	5,750	6,900		18,400	(	9,800	-	18,600	)	6,919	6,919	9,963		23,800	(	10,200	-	24,800	)
	7,500 + 7,500 + 11,900	= 26,900	5,186	5,186	8,228		18,600	(	9,800	-	18,600	)	6,576	6,578	11,048		24,200	(	10,900	-	24,800	)
	7,500 + 7,500 + 17,500	= 32,500	4,292	4,292	10,015		18,600	(	9,800	-	18,600	)	5,636	5,636	13,527		24,800	(	11,600	-	24,800	)
	7,500 + 9,000 + 9,000	= 25,500	5,471	6,565	6,565		18,600	(	9,800	-	18,600	)	6,237	8,981	8,981		24,200	(	11,600	-	24,800	)
	7,500 + 9,000 + 11,900	= 28,400	4,912	5,894	7,794		18,600	(	9,800	-	18,600	)	5,971	8,598	10,031		24,600	(	11,600	-	24,800	)
	7,500 + 9,000 + 17,500	= 34,000	4,103	4,924	9,574		18,600	(	9,800	-	18,600	)	5,124	7,379	12,298		24,800	(	11,600	-	24,800	)
	7,500 + 11,900 + 11,900	= 31,300	4,457	7,072	7,072		18,600	(	9,800	-	18,600	)	5,688	9,556	9,556		24,800	(	11,600	-	24,800	)
	9,000 + 9,000 + 9,000	= 27,000	6,200	6,200	6,200		18,600	(	9,800	-	18,600	)	8,267	8,267	8,267		24,800	(	11,600	-	24,800	)
	9,000 + 9,000 + 11,900	= 29,900	5,599	5,599	7,403		18,600	(	9,800	-	18,600	)	7,832	7,832	9,137		24,800	(	11,600	-	24,800	)
	9,000 + 11,900 + 11,900	= 32,800	5,104	6,748	6,748		18,600	(	9,800	-	18,600	)	7,440	8,680	8,680		24,800	(	11,600	-	24,800	)
	11,900 + 11,900 + 11,900	= 35,700	6,200	6,200	6,200		18,600	(	9,800	-	18,600	)	8,267	8,267	8,267		24,800	(	11,600	-	24,800	)

CU-4KE24NBU

	Indoor Unit Combination			Indoor Unit Capacity (BTU/h)														
				COOLING							HEATING							
				Room A	Room B	Room C	Room D	Total Performance				Room A	Room B	Room C	Room D	Total Performance		
					Capacity	Min.	-	Max.						Capacity	Min.	-	Max.	
2-room Operation	7,500 + 7,500	= 15,000	7,500	7,500		15,000	(6,800	-	17,400)	8,500	8,500				17,000	(6,800	-	21,800)
	7,500 + 9,000	= 16,500	7,500	9,000		16,500	(6,800	-	19,700)	8,500	12,200				20,800	(7,100	-	25,400)
	7,500 + 11,900	= 19,400	7,500	11,900		19,400	(6,800	-	22,800)	8,500	14,300				22,800	(7,100	-	28,200)
	7,500 + 17,500	= 25,000	6,720	15,680		22,400	(7,100	-	23,200)	8,500	20,400				28,200	(8,100	-	29,200)
	7,500 + 24,200	= 31,700	5,489	17,711		23,200	(7,100	-	23,200)	8,500	29,000				29,200	(8,100	-	29,200)
	9,000 + 9,000	= 18,000	9,000	9,000		18,000	(6,800	-	21,400)	12,200	12,200				24,400	(7,800	-	29,000)
	9,000 + 11,900	= 20,900	8,612	11,388		20,000	(6,800	-	23,200)	12,200	14,300				25,800	(7,800	-	29,000)
	9,000 + 17,500	= 26,500	7,743	15,057		22,800	(7,100	-	23,200)	12,200	20,400				28,600	(8,100	-	29,200)
	9,000 + 24,200	= 33,200	6,289	16,911		23,200	(7,100	-	23,200)	12,200	29,000				29,200	(8,100	-	29,200)
	11,900 + 11,900	= 23,800	11,200	11,200		22,400	(6,800	-	23,200)	14,300	14,300				27,200	(7,800	-	29,000)
	11,900 + 17,500	= 29,400	9,390	13,810		23,200	(7,100	-	23,200)	14,300	20,400				29,000	(8,100	-	29,200)
	11,900 + 24,200	= 36,100	7,648	15,552		23,200	(7,100	-	23,200)	14,300	29,000				29,200	(8,100	-	29,200)
17,500 + 17,500	= 35,000	11,600	11,600		23,200	(7,100	-	23,200)	20,400	20,400				29,200	(8,100	-	29,200)	
3-room Operation	7,500 + 7,500 + 7,500	= 22,500	7,333	7,333	7,333	22,000	(8,500	-	23,200)	8,500	8,500	8,500			25,400	(9,200	-	29,000)
	7,500 + 7,500 + 9,000	= 24,000	7,000	7,000	8,400	22,400	(9,800	-	23,200)	8,500	8,500	12,200			27,200	(10,200	-	29,200)
	7,500 + 7,500 + 11,900	= 26,900	6,413	6,413	10,175	23,000	(9,800	-	23,200)	8,500	8,500	14,300			28,200	(10,900	-	29,200)
	7,500 + 7,500 + 17,500	= 32,500	5,354	5,354	12,492	23,200	(9,800	-	23,200)	8,500	8,500	20,400			29,200	(11,600	-	29,200)
	7,500 + 9,000 + 9,000	= 25,500	6,706	8,047	8,047	22,800	(9,800	-	23,200)	8,500	12,200	12,200			28,600	(11,600	-	29,200)
	7,500 + 9,000 + 11,900	= 28,400	6,127	7,352	9,721	23,200	(9,800	-	23,200)	8,500	12,200	14,300			29,000	(11,600	-	29,200)
	7,500 + 9,000 + 17,500	= 34,000	5,118	6,141	11,941	23,200	(9,800	-	23,200)	8,500	12,200	20,400			29,200	(11,600	-	29,200)
	7,500 + 11,900 + 11,900	= 31,300	5,559	8,820	8,820	23,200	(9,800	-	23,200)	8,500	14,300	14,300			29,200	(11,600	-	29,200)
	7,500 + 11,900 + 17,500	= 36,900	4,715	7,482	11,003	23,200	(9,800	-	23,200)	8,500	14,300	20,400			29,200	(11,600	-	29,200)
	9,000 + 9,000 + 9,000	= 27,000	7,733	7,733	7,733	23,200	(9,800	-	23,200)	12,200	12,200	12,200			29,200	(11,600	-	29,200)
	9,000 + 9,000 + 11,900	= 29,900	6,983	6,983	9,233	23,200	(9,800	-	23,200)	12,200	12,200	14,300			29,200	(11,600	-	29,200)
	9,000 + 9,000 + 17,500	= 35,500	5,882	5,882	11,437	23,200	(9,800	-	23,200)	12,200	12,200	20,400			29,200	(11,600	-	29,200)
	9,000 + 11,900 + 11,900	= 32,800	6,366	8,417	8,417	23,200	(9,800	-	23,200)	12,200	14,300	14,300			29,200	(11,600	-	29,200)
	9,000 + 11,900 + 17,500	= 38,400	5,438	7,190	10,573	23,200	(9,800	-	23,200)	12,200	14,300	20,400			29,200	(11,600	-	29,200)
	11,900 + 11,900 + 11,900	= 35,700	7,733	7,733	7,733	23,200	(9,800	-	23,200)	14,300	14,300	14,300			29,200	(11,600	-	29,200)
11,900 + 11,900 + 17,500	= 41,300	6,685	6,685	9,831	23,200	(9,800	-	23,200)	14,300	14,300	20,400			29,200	(11,600	-	29,200)	
4-room Operation	7,500 + 7,500 + 7,500 + 7,500	= 30,000	5,800	5,800	5,800	5,800	23,200	(9,800	-	23,200)	7,300	7,300	7,300	7,300	29,200	(11,600	-	29,200)
	7,500 + 7,500 + 7,500 + 9,000	= 31,500	5,524	5,524	5,524	6,629	23,200	(9,800	-	23,200)	6,952	6,952	6,952	8,343	29,200	(11,600	-	29,200)
	7,500 + 7,500 + 7,500 + 11,900	= 34,400	5,058	5,058	5,058	8,026	23,200	(9,800	-	23,200)	6,366	6,366	6,366	10,101	29,200	(11,600	-	29,200)
	7,500 + 7,500 + 7,500 + 17,500	= 40,000	4,350	4,350	4,350	10,150	23,200	(9,800	-	23,200)	5,475	5,475	5,475	12,775	29,200	(11,600	-	29,200)
	7,500 + 7,500 + 9,000 + 9,000	= 33,000	5,273	5,273	6,327	6,327	23,200	(9,800	-	23,200)	6,636	6,636	7,964	7,964	29,200	(11,600	-	29,200)
	7,500 + 7,500 + 9,000 + 11,900	= 35,900	4,847	4,847	5,816	7,690	23,200	(9,800	-	23,200)	6,100	6,100	7,320	9,679	29,200	(11,600	-	29,200)
	7,500 + 7,500 + 9,000 + 17,500	= 41,500	4,193	4,193	5,031	9,783	23,200	(9,800	-	23,200)	5,277	5,277	6,333	12,313	29,200	(11,600	-	29,200)
	7,500 + 7,500 + 11,900 + 11,900	= 38,800	4,485	4,485	7,115	7,115	23,200	(9,800	-	23,200)	5,644	5,644	8,956	8,956	29,200	(11,600	-	29,200)
	7,500 + 7,500 + 11,900 + 17,500	= 44,400	3,919	3,919	6,218	9,144	23,200	(9,800	-	23,200)	4,932	4,932	7,826	11,509	29,200	(11,600	-	29,200)
	7,500 + 9,000 + 9,000 + 9,000	= 34,500	5,043	6,052	6,052	6,052	23,200	(9,800	-	23,200)	6,348	7,617	7,617	7,617	29,200	(11,600	-	29,200)
	7,500 + 9,000 + 9,000 + 11,900	= 37,400	4,652	5,583	5,583	7,382	23,200	(9,800	-	23,200)	5,856	7,027	7,027	9,291	29,200	(11,600	-	29,200)
	7,500 + 9,000 + 9,000 + 17,500	= 43,000	4,047	4,856	4,856	9,442	23,200	(9,800	-	23,200)	5,093	6,112	6,112	11,884	29,200	(11,600	-	29,200)
	7,500 + 9,000 + 11,900 + 11,900	= 40,300	4,318	5,181	6,851	6,851	23,200	(9,800	-	23,200)	5,434	6,521	8,622	8,622	29,200	(11,600	-	29,200)
	7,500 + 11,900 + 11,900 + 11,900	= 43,200	4,028	6,391	6,391	6,391	23,200	(9,800	-	23,200)	5,069	8,044	8,044	8,044	29,200	(11,600	-	29,200)
	9,000 + 9,000 + 9,000 + 9,000	= 36,000	5,800	5,800	5,800	5,800	23,200	(9,800	-	23,200)	7,300	7,300	7,300	7,300	29,200	(11,600	-	29,200)
	9,000 + 9,000 + 9,000 + 11,900	= 38,900	5,368	5,368	5,368	7,097	23,200	(9,800	-	23,200)	6,756	6,756	6,756	8,933	29,200	(11,600	-	29,200)
	9,000 + 9,000 + 9,000 + 17,500	= 44,500	4,692	4,692	4,692	9,124	23,200	(9,800	-	23,200)	5,906	5,906	5,906	11,483	29,200	(11,600	-	29,200)
	9,000 + 9,000 + 11,900 + 11,900	= 41,800	4,995	4,995	6,605	6,605	23,200	(9,800	-	23,200)	6,287	6,287	8,313	8,313	29,200	(11,600	-	29,200)

Ceiling-Suspended Heat Pumps

26PET1U6



Indoor Unit
S-26PT1U6

36PET1U6 / 42PET1U6



Indoor Unit
S-36PT1U6 / S-42PT1U6



Outdoor Unit
U-26PE1U6



Wireless Remote Controller
(Optional)



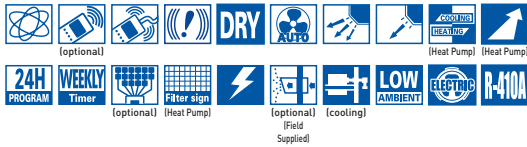
Outdoor Unit
U-36PE1U6



Outdoor Unit
U-42PE1U6



Wireless Remote Controller
(Optional)



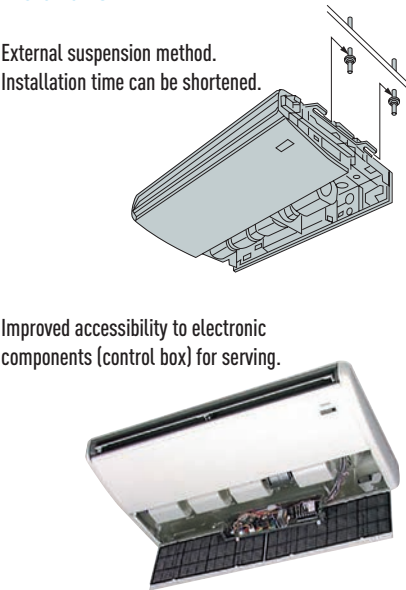
Quiet Operation

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.



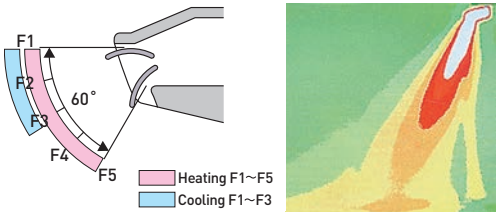
Improved Serviceability / Easy Installation

External suspension method. Installation time can be shortened.



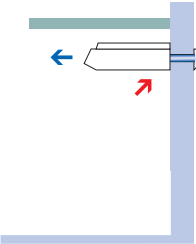
Auto-Louver Function Provides Optimum Airflow During Heating or Cooling Operation

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 - Suspended							
	Heat Pumps						
Model No.	26PET1U6			36PET1U6		42PET1U6	
Unit Model No.	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
	S-26PT1U6	U-26PE1U6	S-36PT1U6	U-36PE1U6	S-42PT1U6	U-42PE1U6	
Performance & Electrical Ratings							
Capacity	Cooling	Btu/h	24,400 (9,500–24,400)		39,000 (9,500–39,000)		
	Heating	Btu/h	30,800 (8,000–30,800)		44,500 (8,000–44,500)		
Moisture Removal	High	Pints/H	7.7		12.6		
Dry Air Flow	Hi / Med / Low	CFM	550 / 490 / 460		1,130 / 950 / 775		
SEER	Cooling		14.5		15.1		
EER	Cooling		8.5		9.4		
HSPF	Heating		9.4		9.5		
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		
Running Amps	Cooling	A	15.6 / 17.3		21.1 / 23.3		
	Heating	A	16.4 / 18.1		18.6 / 20.6		
Power Input	Cooling	W	2,880 / 2,880		4,140 / 4,140		
	Heating	W	3,000 / 3,000		3,630 / 3,630		
Fuse or Circuit Breaker Capacity	A		15	30	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-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		
Wired Remote Controller (included)	CZ-RTC2		CZ-RTC2		CZ-RTC2		
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 / 37 / 33		44 / 41 / 37		
	Outdoor (Hi)	dB-A	49		53		
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							
Height	inches		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
			7-17/32"	30-23/32"	9-7/16"	48-7/16"	
Width	inches		51-3/16"	37"	62-1/32"	37"	
Depth	inches		26-3/8"	13-3/8"	26-3/8"	13-3/8"	
Net Weight	Lbs.		57.0	128.0	84.0	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)

Ceiling-Recessed Heat Pumps

E12RB4U / E18RB4U

Indoor Unit
CS-E12RB4UW
CS-E18RB4UW

Grille Assembly
CZ-BT20U



Outdoor Unit
CU-E12RB4U



Outdoor Unit
CU-E18RB4U



26PEU1U6

Indoor Unit
S-26PU1U6
Grille Assembly
CZ-24KPU1U



36PEU1U6 / 42PEU1U6

Indoor Unit
S-36PU1U6 / S-42PU1U6
Grille Assembly
CZ-36KPU1U



Outdoor Unit
U-26PE1U6



Wired Remote Controller
(Included)



Outdoor Unit
U-36PE1U6



Outdoor Unit
U-42PE1U6

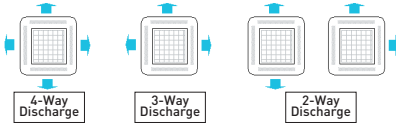
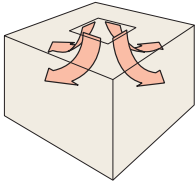


Wired Remote Controller
(Included)



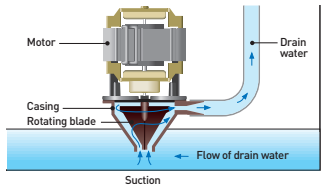
4-Way Airflow Design Sends Cool Air in all Directions

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, you may attach a duct (field supply) to the upper plenum and provide conditioned air to another, separate area.



Integrated Drain Pump

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



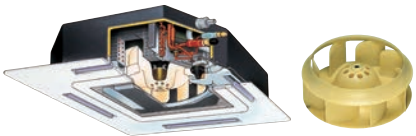
Fresh Air Intake Plenum (Option)

When used to take in fresh air, attach the optional fresh air-intake plenum to the unit. CZ-26BCU1U for S-26PU1U6 CZ-42BCU1U for S-36/42PU1U6



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.



Ceiling - Recessed			Heat Pumps			
Model No.			E12RB4U		E18RB4U	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			CS-E12RB4UW	CU-E12RB4U	CS-E18RB4UW	CU-E18RB4U
Grille Assembly			CZ-BT20U		CZ-BT20U	
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	11,900 (4,100-13,100)		17,500 (4,400-18,700)	
	Heating	Btu/h	13,600 (4,100-16,300)		20,400 (4,400-21,000)	
Moisture Removal	High	Pints/H	4		6.1	
Dry Air Flow	Heating / Cooling	CFM	390 / 370		495 / 450	
SEER	Cooling	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-R052CU		CZ-R052CU	
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 (Cooling)	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						
Height	inches	10-1/4"	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
				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

Ceiling - Recessed			Heat Pumps					
Model No.			26PEU1U6		36PEU1U6		42PEU1U6	
Unit Model No.			Indoor Unit S-26PU1U6	Outdoor Unit U-26PE1U6	Indoor Unit S-36PU1U6	Outdoor Unit U-36PE1U6	Indoor Unit S-42PU1U6	Outdoor Unit U-42PE1U6
Grille Assembly			CZ-24KPU1U		CZ-36KPU1U		CZ-36KPU1U	
Performance & Electrical Ratings								
Capacity	Cooling	Btu/h	24,800 (9,500-24,800)		32,600 (9,500-32,600)		39,500 (9,500-39,500)	
	Heating	Btu/h	29,800 (8,000-29,800)		37,600 (8,000-37,600)		48,000 (8,000-48,000)	
Moisture Removal	High	Pints/H	8.1		10.6		12.6	
Dry Air Flow	Hi / Med / Low	CFM	710 / 530 / 450		1,050 / 840 / 720		1,050 / 840 / 720	
SEER	Cooling		14.1		14.6		14.6	
EER	Cooling		8.5		8.1		8.7	
HSPF	Heating		9.6		8.4		9.7	
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60	
Running Amps	Cooling	A	15.6 / 17.3		18.7 / 20.7		23.0 / 25.4	
	Heating	A	14.8 / 16.4		15.9 / 17.6		22.4 / 24.8	
Power Input	Cooling	W	2,920 / 2,920		3,950 / 3,950		4,520 / 4,520	
	Heating	W	2,790 / 2,790		3,350 / 3,350		4,360 / 4,360	
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-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U	
Wired Remote Controller (included)			CZ-RTC2		CZ-RTC2		CZ-RTC2	
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	38 / 35 / 31		44 / 37 / 33		45 / 38 / 34	
	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		Ft. Max. 165		Ft. 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	
Height	inches		13-5/16"		14-31/64"		14-31/64"	
Width	inches		33-55/64"		45-9/32"		45-9/32"	
Depth	inches		33-55/64"		33-55/64"		33-55/64"	
Net Weight	Lbs.		49.0		128.0		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.)

Concealed Ducted Heat Pumps

26PEF1U6

Indoor Unit
S-26PF1U6

Supplies are 8" dia



Outdoor Unit
U-26PE1U6

Wired Remote
Controller
(Included)



36PEF1U6

Indoor Unit
S-36PF1U6

Supplies are 8" dia

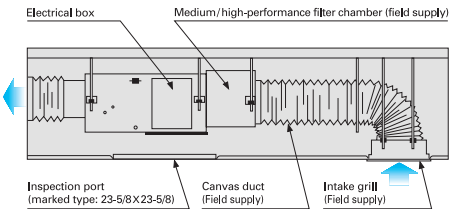


Outdoor Unit
U-36PE1U6

Wired Remote
Controller
(Included)



Outline diagram with medium or high-performance filter field installed.

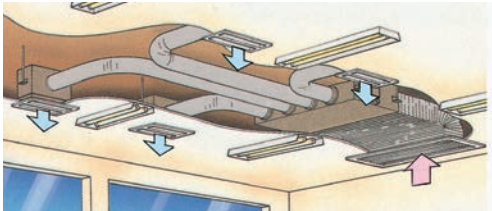


Built-In Drain Pump

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.



Concealed Duct						
Model No. Unit Model No.			Heat Pumps			
			26PEF1U6		36PEF1U6	
			Indoor Unit S-26PF1U6	Outdoor Unit U-26PE1U6	Indoor Unit S-36PF1U6	Outdoor Unit 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	7.7		10.0	
Dry Air Flow	Hi / Med / Low	CFM	670 / 530 / 460		1,060 / 920 / 750	
SEER	Cooling		14.0		13.9	
EER	Cooling		9.1		7.8	
HSPF	Heating		9.0		8.5	
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-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U	
Wired Remote Controller (included)			CZ-RTC2		CZ-RTC2	
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	
Refrigerant Piping	Outdoor (Hi)	dB-A	49		52	
	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						
Height	inches		Indoor Unit 12-7/32"	Outdoor Unit 30-23/32"	Indoor Unit 12-7/32"	Outdoor Unit 30-23/32"
Width	inches		39-3/8"	37"	58-9/32"	37"
Depth	inches		24-13/16"	13-3/8"	24-13/16"	13-3/8"
Net Weight	Lbs.		71.0	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.)

Optional Accessories

Condensate Pump
SI-30-120
SI-30-230



Tube Size Adapter
CZ-MA1P / CZ-MA1P-US
CZ-MA2P / CZ-MA2P-US
CZ-MA3P / CZ-MA3P-US



Locking Bracket
for Remote Control
RCS5PS4B
RCS4MHVB
RCPTC110B



Wired Remote
Controller
CZ-RD516C-1



Timer Remote
Controller
CZ-RTC2 / CZ-RTC3



Wired Remote for
Econavi Ducted Systems
CZ-RTC4

Replacement
Anti-microbial Filter
CZ-SA20P
CZ-FDXB



Fresh Air Intake Plenum
CZ-26BCU1U
CZ-42BCU1U



Wired Remote
Controller
CZ-RD52CU



Wired Remote
Controller
CZ-RD515U



System Controller
CZ-64ESMC1U



Econavi Sensor
CZ-CENSC1

Accessories		
Model No.	Description	Use With
DL04060815	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 15'	XE9PKUA, E9RKUA, E9NKUA, KE12NB41, CU-2E18NBU, CU-3KE19NBU, CU-4KE24NBU, CU-4KE31NBU, CU-5E36QBU, CS-MKE7NKKU, CS-MKE9NKKU, CS-MKE12NKKU, CS-MKE9NB4U, CS-MKE12NB4U
DL04060820	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 20'	
DL04060835	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 35'	
DL04080815	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 15'	XE12PKUA, E12RKUA, E12NKKU, E12RB4U, E18RKUA, E18NKKU, E18RB4U, KE18NB4U, CU-3KE19NBU, CU-4KE24NBU, CU-4KE31NBU, CU-5E36QBU, CS-MKE18NKKU, CS-KE18NB4U
DL04080820	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 20'	
DL04080835	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 35'	
DL04100820	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 20'	E24RKUA, E24NKKU, CU-4KE24NBU, CU-4KE31NBU, CS-MKE24NKKU
DL04100830	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 30'	
DL04100850	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 50'	
DL06100830	Insulated Tubing Kit 3/8" x 5/8" x 1/2" x 30'	All 26,000 through 42,000 Btu/h Models
DL06100850	Insulated Tubing Kit 3/8" x 5/8" x 1/2" x 50'	All 26,000 through 42,000 Btu/h Models
CZ-26BCU1U	Fresh Air Intake Plenum	S-26PU1U6
CZ-42BCU1U	Fresh Air Intake Plenum	S-36PU1U6, S-42PU1U6
RCS5PS4B	Locking Bracket for Wireless Remote Controller	All 26,000 through 42,000 Btu/h Models except CS-KE30NKKU and CS-KE36NKKU
RCS4MHVB	Locking Bracket for Wireless Remote Controller	All KE and MKE Models
RCPTC110B	Locking Bracket for Wireless Remote Controller	All E9, 12, 18 and 24 Models, ME7 Models and XE Models
BS600	Mounting Bracket for Outdoor Unit	All Models
SI-30-120	Condensate Pump	All 115 Volt Models
SI-30-230	Condensate Pump	All 230 Volt Models (up to 2 ton)
CZ-RE2C2	Simple Wired Remote	All 26,000 through 42,000 Btu/h Models except CS-KE30NKKU and CS-KE36NKKU
CZ-RELC2	Simple Wired Remote with Backlight	
CZ-RD515U	Wired Remote Controller	All KE and MKE Models
CZ-RD516C-1	Wired Remote Controller	All E9, 12, 18 and 24 Models
CZ-RC515U	Wire Kit for Wired Remote Controller	Adaptor wire for CZ-RD515U, required for use with CS-MKE7, 9, 12, 18 and 24NKKU Models
CZ-RC515UA	Wire Kit for Wired Remote Controller	Adaptor wire for CZ-RD515U, required for use with CS-KE30NKKU and CS-KE36NKKU
CZ-RTC2	Wired Timer Remote Controller	All 26,000 through 42,000 Btu/h Models except CS-KE30NKKU and CS-KE36NKKU
CZ-RTC3	High Function Wired Timer Remote Controller	
CZ-RTC4	Wired Remote for Econavi Ducted Systems	
CZ-RD52CU	Wired Remote Controller	E12RB4U/E18RB4U
CZ-RWSK1U	Wireless Remote Controller Transmitter	S-26PK1U6
CZ-RWSU2U	Wireless Remote Controller Transmitter and Receiver Kit	S-26/36/42PT1U6, S-26/36/42PU1U6
CZ-RWSC1U	Wireless Remote Controller Transmitter and Receiver Kit	S-26/36PF1U6, S-26/36PF2U6
CZ-64ESMC1U	System Controller	All 26,000 through 42,000 Btu/h Models except CS-KE30NKKU and CS-KE36NKKU
CZ-MA1P / CZ-MA1P-US	Tube Size Reducing Adaptor, 3/8" male and 1/2" female	For CS-E12/18 Models to connect with multi-split outdoor
CZ-MA2P / CZ-MA2P-US	Tube Size Reducing Adaptor, 1/2" male and 3/8" female	For CS-E24 Models to connect with multi-split outdoor
CZ-MA3P / CZ-MA3P-US	Tube Size Reducing Adaptor, 1/2" male and 5/8" female	
CZ-SA20P	Replacement Anti-microbial Filter	All E9, 12, 18 and 24 Models and ME7 Models
CZ-FDXB	Replacement Anti-microbial Filter	CS-MKE7, 9, 12, 18, 24NKKU Models and equivalent Sanyo models
WINDB-1	Wind Baffle	All Models

Wired Remote Controllers (Except KE30/36NKU, KS30/36NKU)

Simplified Remote Controller



CZ-RE2C2 CZ-REL2C2 (with Backlight)

Timer Remote Controller



CZ-RTC2

System Controller



CZ-64ESMC1U

- Key Features (Simple Remote):
- Thin and Easy To Read
 - Simple To Install and Use
 - Can Be Adapted for Use On All 26,000 through 42,000 Btu/h Indoor Units.
 - Mode
 - Fan Speed Control
 - Set Temperature
 - On/Off
 - Airflow Direction
 - Perfectly Suited for Applications Where Simpler Functionality is Required (ie: Hotel Rooms, Nursing Homes, Offices)

- Key Features (Standard Remote/7 Day Timer):
- Thin and Easy To Read
 - Simple To Install and Use
 - Can Be Adapted for Use On All Indoor Units
 - Fan Speed Control
 - Airflow Direction
 - Operating Mode (Heating/Cooling/Auto/Dry/Fan)
 - Vacation Mode for Continued Energy Efficiencies
 - Full 7 Day Set-Back Functionality, With Up To 6 Time Periods/Day
 - Full System Diagnostic Capability (Diagnostic History Provides Immediate View of System Past and Present.)

Multiple Zone Controllers.
The Air Conditioning Gateway.
Panasonic's system and intelligent controls are the central nervous system of the conditioning system, the gateway to all data, temperature and system diagnostics and the heart and soul of conditioning.

- Key Features (System Control):
- Controls Up To 64 Units Into 4 Individualized Zones
 - Alarm and Operational Signal Output
 - Single Access Points for All Connected Wired Remotes

Wireless Remote Controllers

Wireless Remote Controller	Applicable Unit	U1-series (Ceiling Recessed Type) T1-series (Ceiling Suspended Type)	For All Large capacity series Indoor Units
		Built-in type • Signal receiving unit can be installed in the outer panel of indoor unit. • Control panel can be installed in the inside indoor unit. 	External type • Separate type signal receiving unit. 
		K1-series CZ-RWSK1U	

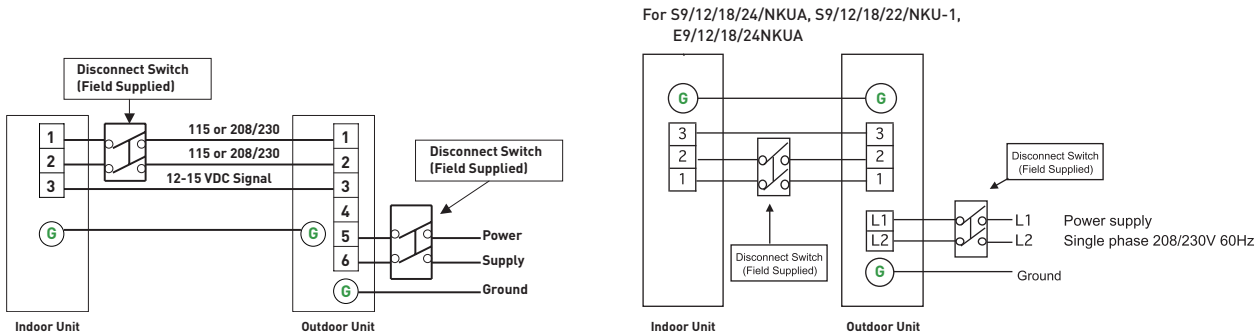
Remote Controllers Functions

			Timer Remote Controller (CZ-RTC2)	System Controller (CZ-64ESMC1U)
Function	ON/OFF		●	● (Collective / Individual)
	Operation mode switch	Heating	●	● (Individual)
		Dry	●	● (Individual)
		Cooling	●	● (Individual)
		Fan	●	● (Individual)
	Temp setting		●	● (Individual)
	Fan speed setting (Hi/Mo/Low/Auto)		●	● (Individual)
	Auto flap	Auto airflow direction setting	●	●
		Arbitrary airflow direction setting	●	●*
	Sweep (Flap swing)		●	×
System	Sensor temp. display		●	●
	Self-diagnostic function		×	●
	Central control (at hand inhibited)		×	●
Setting Range	Group control		● (Up to 8 units)	● (Up to 64 groups)
	Concurrent use with weekly timer		●	●
	Cooling, dry	(°F)		65 - 86
	Heating	(°F)		61 - 79

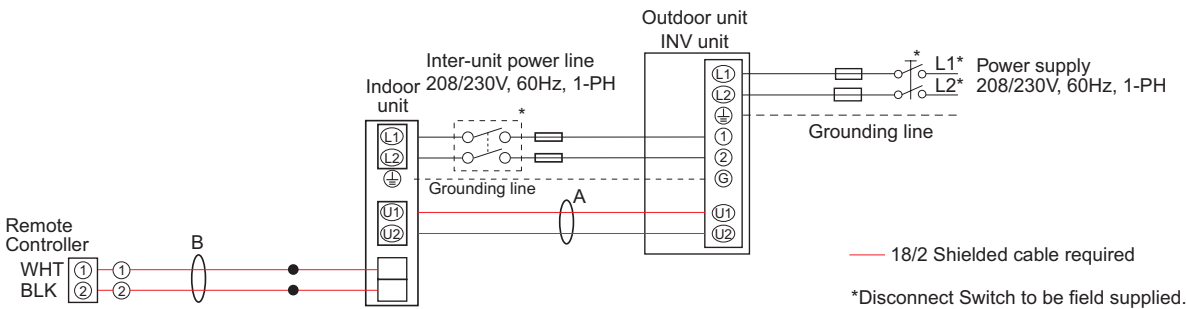
●: Controllable
×: Uncontrollable

Note:
If you use both remote controller and system controller concurrently, both controllers can be used on a last-signal priority basis.

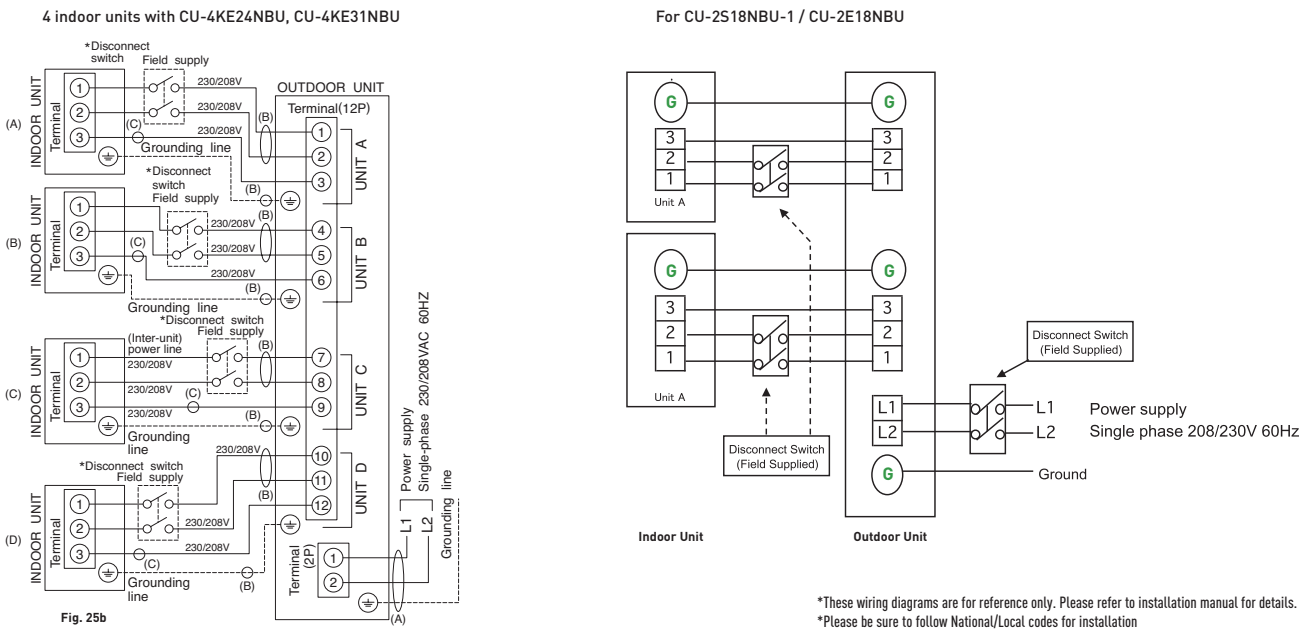
9,000 - 24,000 Btu/h single zone, KS30/36NKUA, KE30/36NKU



26,000 - 42,000 Btu/h single zone wiring schematic (Except KS30/36NKUA, KE30/36NKU)



RAC Multi wiring schematic



*These wiring diagrams are for reference only. Please refer to installation manual for details.
*Please be sure to follow National/Local codes for installation

Cooling Models [S9/12/18/22NKU-1]

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB
	Minimum	60°F DB / 52°F WB	60°F DB / 52°F WB

Low Ambient Cooling Models [S9/12/18/24NKUA]

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB
	Minimum	60°F DB / 52°F WB	0°F DB[S18/24] / 5°F DB [S9/12]

Cooling Models above 26,000 Btu

	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

Cooling Models KS30/36NKUA

	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

RAC Multi KS Series Cooling Models

	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	14°F DB

RAC Multi KE Series Heating Models

	Temperature	Indoor Air Take	Outdoor Air Take
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	14°F WB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	60°F DB / - °F WB	0°F WB

Heat Pump Models (XE9/12PKUA)

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB / 79°F WB
	Minimum	60°F DB / 52°F WB	0°F DB / 0°F WB
Heating	Maximum	86°F DB / -°F WB	75°F DB / 64°F WB
	Minimum	60°F DB / - °F WB	0°F DB / -2 °F WB

Heat Pump Models (E9/12/18/24NKUA)

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB
	Minimum	60°F DB / 52°F WB	5°F DB[E18/24] / 5°F DB [E9/12]
Heating	Maximum	86°F DB / -°F WB	75°F DB / 64°F WB
	Minimum	60°F DB / - °F WB	5°F DB / -°F WB

Heat Pump Models above 26,000 Btu

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	64°F DB / 57°F WB	0°F DB
Heating	Maximum	86°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	61°F DB / - °F WB	-4°F DB

Heat Pump Models KE30/36NKU

	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	14°F DB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	60°F DB / - °F WB	0°F DB

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
		30	CH3082	CU-KE30NKU
		36	CH3682	CU-KE36NKU
	C/O	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
12		CL1271	CU-KS12NK1A	
18		C1872	CU-KS18NKU	
18		CL1872	CU-KS18NKUA	
24		C2472	CU-KS24NKU	
24		CL2472	CU-KS24NKUA	
12		XHS1271	CS-KE12NB41	
Mini Cassette	Inv H/P	18	XHS1872	CS-KE18NB4UW
Panel		PNR-XS1872	CZ-18BT1U	
Outdoor Unit		12	CH1271	CU-KE12NKK1
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	Common	Model No.	Model No.
Wireless RC	4-Way	RCS-BH80AAB.WL	CZ-RWSC1U
	Wall Mount	RCS-SH80AAB.WL	CZ-RWSU1U
System Controller		SHA-KC44UG	CZ-64ESMC1U
Simple Remote		RCS-KR1EG	CZ-RE2C2
Simple Wired RC		NEW	CZ-REL2
Wireless RC	U1/T1 Series	RCS-SH80UA.WL	CZ-RWSU2U
		STK-KCW1	CZ-RC515U
Wired Kit		STK-KCW2	CZ-RC515UA
		STK-RCS-7TWSUA	CZ-RD515U

Accessories

Category	4-Way	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

SYSTEM MODEL	OD Tube Size (inch)		Maximum Length of Tubing between In/Outdoor	Maximum Elevation Difference (ft) between In/Outdoor		Maximum Length (ft) without Adding Refrigerant	Required Additional Refrigerant Oz/ft	Insulation		
	Narrow	Wide		Outdoor Above	Outdoor Below					
XE9PKUA	1/4"	3/8"	66'	49'	49'	25'	R410A 0.2	Both Tubes		
E9RKUA										
E9NKUA										
XE12PKUA		1/2"					100'		33'	R410A 0.3
E12RKUA										
E12NKUA										
E12RB4U										
E18RKUA										
E18NKUA										
E18RB4U		5/8"								
E24RKUA										
E24NKUA										
26PEK1U6	3/8"	5/8"	165'	100'	50'	100'	R410A 0.43			
26PET1U6										
26PEU1U6										
26PEF1U6			164'							
KS30NKUA										
KE30NKU										
KS36NKUA			165'							
KE36NKU										
36PET1U6										
36PEU1U6										
36PEF1U6										
42PET1U6										
42PEU1U6										
CU-2E18NBU	1/4"	3/8"*1	82'	49'	25'	65'	R410A 0.2			
CU-3KE19NBU		3/8"		50'	50'	150'	R410A 0.22			
CU-4KE24NBU		3/8"x3, 1/2"x1								
CU-4KE31NBU		3/8"x2, 1/2"x2	100'							
CU-5E36QBU		3/8"*1	82'	49'	25'		R410A 0.2			

* 1 Reducing adaptor may be required depending on indoor model to be used with. (CZ-MA1P, CZ-MA2P or CZ-MA3P)