Panasonic

AIR CONDITIONING and HEAT PUMP PRODUCTS

INVERTER

September 2013

The Global Trusted Air Conditioning Brand

In the 55 years since its establishment, the Panasonic Air Conditioning Group has grown into a global company.
Through its continuous quest for product innovations, 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 quality and reliable products.

HISTORY
of Panasonic Air Conditioners
1958-2013

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

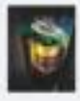
1965 Launched Room Coolers

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, CO_2 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 the line-up 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.

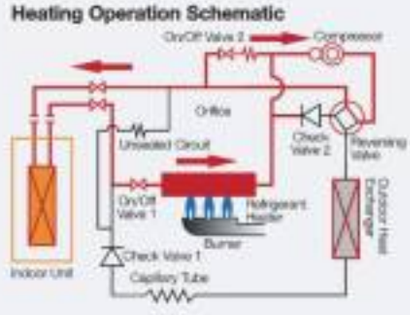
Serving the US Ductless market since 1983

Technological Topics

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

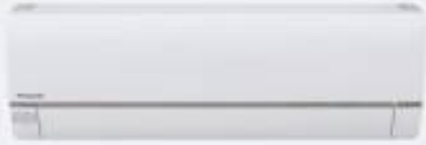
First R410a driven ductless model, 24KS62R, was introduced.

Again, blazed a trail to other ductless manufacturers.

2013

Introduce EXTERIOS series to US market

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

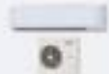
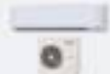


Air Conditioners and Heat Pumps Lineup

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

Panasonic's Ductless 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 the room. Enclosed in a handsome space saving cabinet, 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.
The indoor unit has been uniquely designed to provide whisper quiet operation while delivering comfort throughout the room (s).
Panasonic Ductless Split Systems bring together sleek styling in wall, duct or ceiling mounted systems, with whisper-quiet operations, quality and reliability you can count on.
Since the launch of Ductless Split in 1983, after 30 years of renovation and experience, Panasonic is adding new Deluxe Wall Mount "EXTERIOS" series, the most highly efficient in the ductless industry, in the product lineup. Again, Panasonic is moving forward, leaving the others behind.

HEAT PUMP MODELS

	Btu/h	9,000	12,000	18,000	24,000	26,000	30,000	36,000	42,000
Low Ambient Type (HEAT PUMP WITHOUT HEATER)	MODEL (System)	XE9PKUA E9NKUA	XE12PKUA, E12NKUA XE12NB4U	E18NKUA XE18NB4U	E24NKUA	36PEK1UA, 36PET1U6 36PEU1UA, 36PEF1U6	XE30NKU	XE36NKU, 36PET1U6 36PEU1UA, 36PEF1U6	42PET1U6 42PEU1U6
	EXTERIOS Wall Mounted	NEW  CS-XE9PKUA CU-XE9PKUA	NEW  CS-XE12PKUA CU-XE12PKUA						
	Wall Mounted	 CS-E9NKUAW CU-E9NKUA	 CS-E12NKUAW CU-E12NKUA	 CS-E18NKUA CU-E18NKUA	 CS-E24NKUA CU-E24NKUA		 CS-XE30NKU CU-XE30NKU	 CS-XE36NKU CU-XE36NKU	
	Wall Mounted					 S-36PK1U6			
	Ceiling Suspended					 S-36PT1U6		 S-36PT1U6	 S-42PT1U6
	Ceiling Recessed	 CS-XE12NB4U	 CS-XE18NB4UW			 S-36PU1U6		 S-36PU1U6	 S-42PU1U6
	Concealed Duct					 S-36PF1U6		 S-36PF1U6	
	Outdoor	 CU-XE12NKU	 CU-XE18NKU			 U-36PE1U6		 U-36PE1U6	 U-42PE1U6

COOLING ONLY MODELS / STANDARD TYPE

	Btu/h	9,000	12,000	18,000	22,000
Standard Type (AIR CONDITIONER)	MODEL (System)	S9NKU-1	S12NKU-1	S18NKU-1, KS18NKU KS18NB4U	S22NKU-1
	Wall Mounted	 CS-S9NKUW-1 CU-S9NKU-1	 CS-S12NKUW-1 CU-S12NKU-1	 CS-S18NKU-1 CU-S18NKU-1	 CS-S22NKU-1 CU-S22NKU-1

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

COOLING ONLY MODELS / LOW AMBIENT TYPE

	Btu/h	9,000	12,000	18,000	24,000	26,000	30,000	36,000	42,000
Low Ambient Type	MODEL (System)	9PNKUA	S12PNKUA KS12NB41A	S18PNKUA KS18NB41UA	S24NKUA	26PSK10A, 26PST10A 26PSU10A,26PSF10A	KS30NKUA	KS36NKEA, 36PST10A 36PSU10A, 36PSF10A	42PST10A 42PSU10A
AIR CONDITIONER	Wall Mounted	CS-9PNKUA CU-9PNKUA	CS-S12PNKUA CU-S12PNKUA	CS-S18PNKUA CU-S18PNKUA	CS-S24NKUA CU-S24NKUA		CS-KS30NKU CU-KS30NKUA	CS-KS36NKU CU-KS36NKUA	
	Wall Mounted					S-26PK10A			
	Ceiling Suspended					S-26PT10A		S-36PT10A	S-42PT10A
	Ceiling Recessed		CS-KS12NKU	CS-KS18NB4UW		S-26PU10A		S-36PU10A	S-42PU10A
	Concealed Duct					S-26PF10A		S-36PF10A	
	Outdoor		CU-KS12NK1A	CU-KS18NK8A		U-26PS10A		U-36PS10A	U-42PS10A

MULTI ZONE MODELS

	Series	S series / E series		KS series / KE series				
	Btu/h	9,000	12,000	7,000	9,000	12,000	18,000	24,000
AIR CONDITIONER – Indoor Unit	Wall Mounted	CS-S9NKUW-1	CS-S12NKUW-1	CS-MKS7NKU	CS-MKS9NKU	CS-MKS12NKU	CS-MKS18NKU	CS-MKS24NKU
	Ceiling Recessed				CS-MKS9NB4U	CS-MKS12NB4U	CS-KS18NB4UW	
	Btu/h	18,000		19,000	24,000		31,000	
AIR CONDITIONER – Outdoor Unit	Outdoor	CU-2S18NKU-1		CU-3KS19NBU	CU-4KS24NBU		CU-4KS31NBU	
HEAT PUMP – Indoor Unit	Wall Mounted	CS-E9NKUAW	CS-E12NKUAW	CS-MKE7NKU	CS-MKE9NKU	CS-MKE12NKU	CS-MKE18NKU	CS-MKE24NKU
	Ceiling Recessed				CS-MKE9NB4U	CS-MKE12NB4U	CS-KE18NB4UW	
	Btu/h	18,000		19,000	24,000		31,000	
HEAT PUMP – Outdoor Unit	Outdoor	CU-2S18NKU		CU-3KE19NBU	CU-4KE24NBU		CU-4KE31NBU	

Model Feature Chart

OP: Option

		HEAT PUMPS								STANDARD	LOW-AMBIENT AIR CONDITIONERS						
	Wall Mounted	XE9PKUA XE12PKUA	E9NKUA E12NKUA E18NKUA E24NKUA	KE30NKU KE36NKU		26PEK7U6				S9NKU-1 S12NKU-1 S18NKU-1 S22NKU-1	S9NKUA S12NKUA S18NKUA S24NKUA	KS30NKUA KS36NKUA		26PSK7U6			
	Ceiling Suspended						26PET1U6 36PET1U6 42PET1U6								26PST1U6 36PST1U6 42PST1U6		
	Ceiling Recessed				KE12NB4U KE18NB4U			26PEU1U6 36PEU1U6 42PEU1U6					KS12NB4UA KS18NB4UA			26PSU1U6 36PSU1U6 42PSU1U6	
	Concealed Duct								26PSF1U6 36PSF1U6								26PSF1U6 36PSF1U6
ECONAVI	ECONAVI	●															
	Room Freeze Protection	●															
	Microprocessor-Controlled Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Wireless Remote Control	●	●	●	●	●	OP	OP	OP	●	●	●	●	●	OP	OP	OP
	Wired Remote Control	OP	OP	OP	OP	OP	●	●	●	-	OP	OP	OP	OP	●	●	●
	Self-Diagnosing Function	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DRY	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	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
24H	24-Hour Clock with ON/OFF Program/Timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1H	1-Hour OFF Timer	-	-	●	●	-	-	-	-	-	-	●	●	-	-	-	-
WEEKLY	Weekly Timer	-	-	-	-	OP	●	●	●	-	-	-	-	OP	●	●	●
	System Controller	-	-	-	-	OP	OP	OP	OP	-	-	-	-	OP	OP	OP	OP
	Filter Sign	-	-	-	-	●	●	-	-	-	-	-	-	●	-	●	-
	Automatic Restart Function after Power Failure	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Fresh Air Intake	-	-	-	●	-	OP*	OP	OP*	-	-	-	●	-	OP*	OP	OP*
	Branch Extension	-	-	-	●	-	-	●	●	-	-	-	●	-	●	●	●
DP	Built-In Drain Pump	-	-	-	●	-	-	●	●	-	-	-	●	-	-	●	●
LOW	Low Ambient Operation	●	●	●	-	●	●	●	●	-	●	●	●	●	●	●	●
	Electric Expansion Valve	●	●	●	●	●	●	●	●	● (S18/22)	●	●	●	●	●	●	●
HFO	ODP=0 Refrigerant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
QUIET	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 and easy-to-read LCD Display, gives the user the capability to adjust & set: temperature, sweep (louver control), fan speeds, timer and more, for complete automatic operation.

Dry Mode

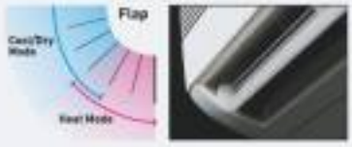
By coupling compressor and fan operation, intermittent operation can be precisely controlled according to room temperature, so that air is efficiently dehumidified.

5 Fan Speeds and Automatic Fan Operation

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

Air Sweep Control

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



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).

1-hour OFF Timer

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

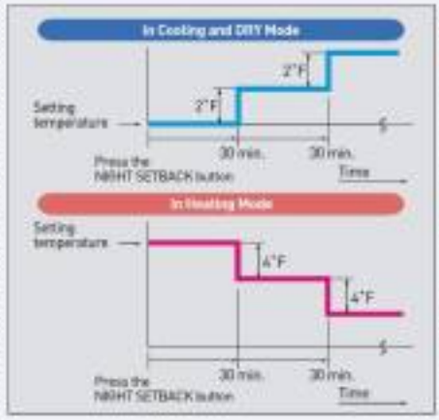
24-hour Clock with ON/OFF Program Timer

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

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.

2,500hrs : U1-series / 150 hrs: K1-series

(Example of CZ-RTC2)

Self-Diagnosing Function

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

(Example of CZ-RTC2)

Anti-microbial Filter

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

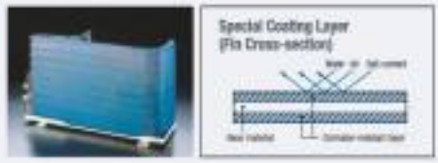
Test Comparison

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

*Tested per ASTM G21-96

Blue Fin Condenser

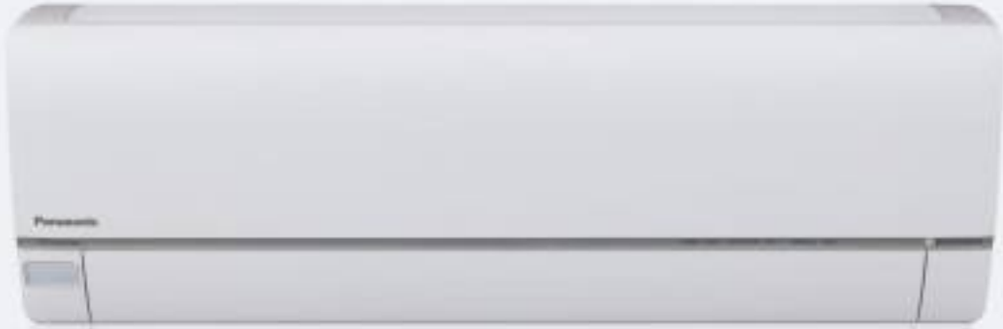
Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has extended the life of its condensers with an original anti-rust coating.



Panasonic Adding New Air Conditioner Lineup— Setting Another Mile Stone in the US Ductless Split History

Breakthrough technologies such as the inverter enable the highest energy efficiency* in the industry. Thanks to this exceptional performance, you enjoy even more comfort.

EXTERIOS



Indoor Unit
CS-XE9PKUA / CS-XE12PKUA

Wireless Remote Controller

SEER 28.5

No.1* High Energy Efficiency

Breakthrough technologies, such as the inverter, enable the highest energy efficiency* in the industry. Thanks to this exceptional performance, you will enjoy even more comfort.

*CS/CU-XE9PKUA as of March 2013

LOW AMBIENT OPERATION

Powerful Heating at Low Ambient Operation

Heating is still possible even if the temperature drops as low as 0˚F for reliable heating in even the harshest winter.

INVERTER

Inverter Technology

Panasonic's inverter provides optimum power control and extremely efficient operation by changing the power supply frequency. The result is speedy, flexible operation using less electricity.

Panasonic ductless split system designed to care for you

With more than 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. With more than 200 million compressors produced, you are assured the high quality of Panasonic's air conditioners.

Advanced Inverter Technology— Less Energy and More Comfort

The inverter constantly adjusts compressor rotation speed to provide optimum 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 are designed to give you the 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.

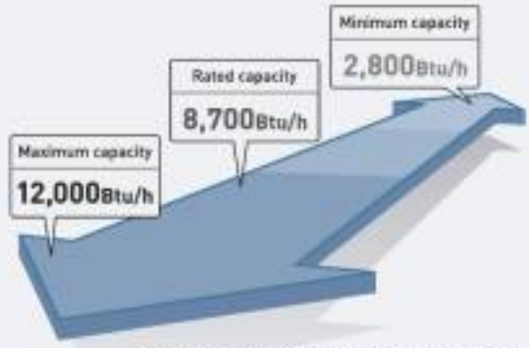
Quick Cooling (Heating)

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

Inverter Indoor Quiet Operation

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

■ Even Wider Output Power Range

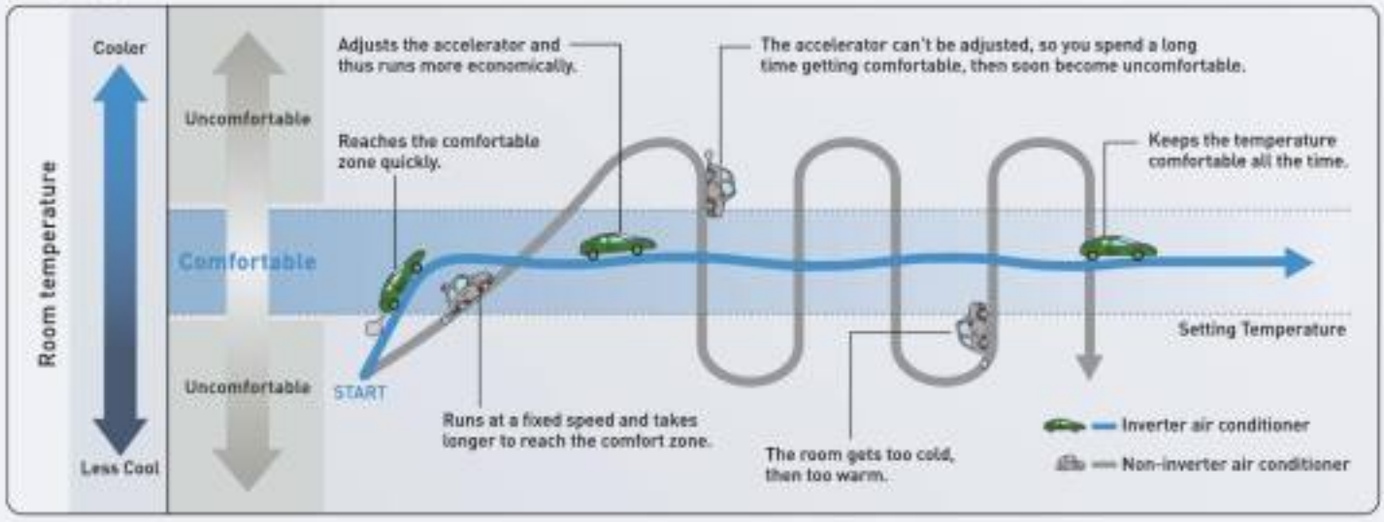


The graph shows XE9PKUA's wide power output range during cooling.

■ The Advantages of Inverter Control

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

*Image of output power fluctuation



ECONAVI with Intelligent Eco Sensors

Panasonic has employed ECONAVI (Human Detection Technology) in its air conditioners. Since in 2007 and has perfected the feature since its launch. Panasonic is now introducing ECONAVI air conditioner to the US market.

ECONAVI sensors moderate the temperature. This smart technology monitors and senses when there are people in the room and determines how much activity is occurring, then automatically adjusts the temperature setting accordingly for optimum operation.

The low activity detection mode monitors the room, decreasing cooling when there is less movement, while the absence detection feature switches to a slightly less powerful cooling mode when there is no one in the room at all.

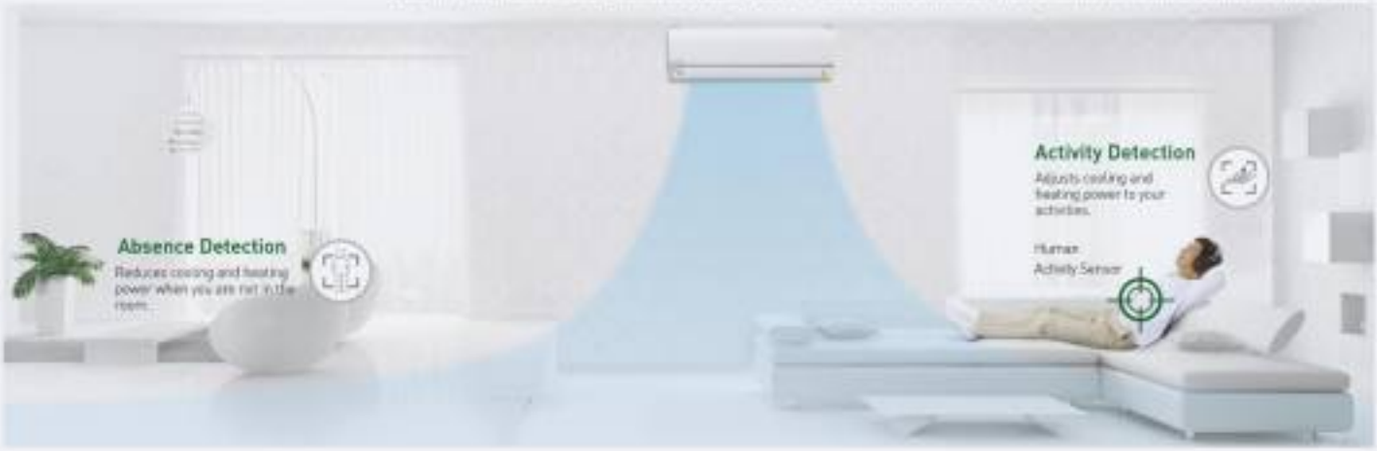
Absence Detection

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

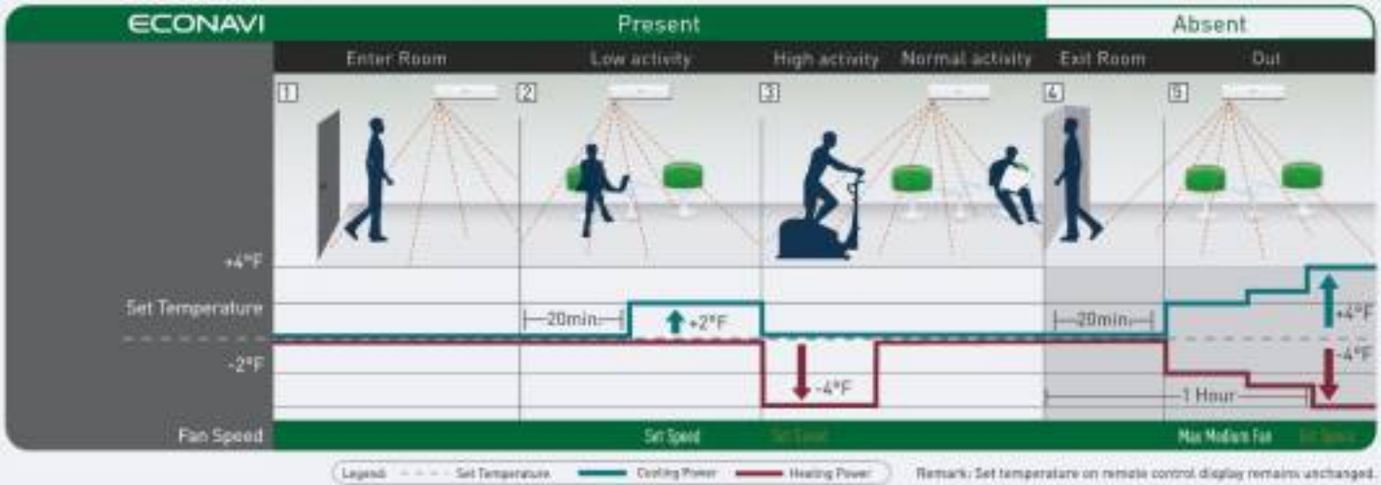
Activity Detection

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.

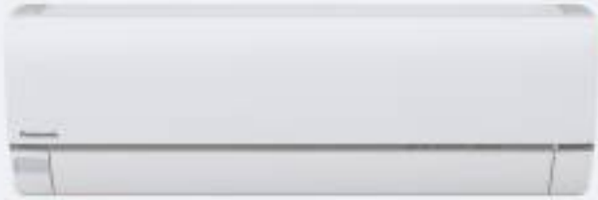


■ How Does ECONAVI Human Activity Work?



XE9PKUA / XE12PKUA EXTERIOS

NEW



Indoor Unit
CS-XE9PKUA / CS-XE12PKUA

Wireless Remote Controller

Wired Remote Controller (CZ-RD516C) (Optional)

Outdoor Unit
CU-XE9PKUA / CU-XE12PKUA

Wall Mounted Heat Pumps						
Model No.			**XE9PKUA**		**XE12PKUA**	
Unit Model No.			Indoor Unit CS-XE9PKUA	Outdoor Unit CU-XE9PKUA	Indoor Unit CS-XE12PKUA	Outdoor Unit CU-XE12PKUA
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	8,700(2,600–12,000)		11,500(2,600–14,000)	
	Heating	Btu/h	12,000(3,000–18,000) (10,600 at 17°F)		13,800(3,000–23,000) (12,500 at 17°F)	
Moisture Removal	High	Pints/H	1.3		2.3	
Dry Air Flow	High	CFM	405		530	
SEER	Cooling		28.0		25.5	
EER	Cooling		14.1		14.26	
HSPF	Heating		12.5		12.0	
Power Supply		V, Phase, Hz	230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz	
Running Amps	Cooling	A	2.5/2.0		3.6/4.2	
	Heating	A	4.3/4.5		5.3/5.8	
Power Input	Cooling	W	560(150–850)		808(150–1,050)	
	Heating	W	840(160–1,650)		1,160(160–2,100)	
Back-up Heater		kW	---		---	
Fuse or Circuit Breaker	Capacity	A	15		20	
Features						
Controls			Microprocessor		Microprocessor	
Low Ambient Control			Equipped		Equipped	
Wireless Remote Controller			Included		Included	
Wired Remote Controller (optional)			CZ-RD516C		CZ-RD516C	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto	
Timer			24hr Program		24hr 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	Hi(SH) / Lo/ S-Lo	dB-A	42 / 25 / 20		45 / 29 / 28	
	Outdoor(H)	dB-A	48		49	
Refrigerant Piping	Type		Flare		Flare	
	Discharge	inches	1/4"		3/8"	
	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			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-5/8"	27-3/8"	11-5/8"	27-3/8"
Width		inches	34-9/32"	34-15/32"	34-9/32"	34-15/32"
Depth		inches	10-3/16"	12-5/8"	10-3/16"	12-5/8"
Net Weight		Lbs.	24	97	24	97

* 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

E9NKUA / E12NKUA

Indoor Unit
CS-E9NKUAW / CS-E12NKUAW

Wireless Remote Controller

Wired Remote Controller (CZ-RD516C) (Optional)

Outdoor Unit
CU-E9NKUA / CU-E12NKUA

E18NKUA / E24NKUA

Indoor Unit
CS-E18NKUA / CS-E24NKUA

Wireless Remote Controller

Wired Remote Controller (CZ-RD516C) (Optional)

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)		13,600(4,100 - 16,500)		20,400(5,800 - 23,900)		28,600(5,800 - 29,200)	
Moisture Removal	High	Pints/H	5.3		7.5		13.0		17.6	
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		13.7		10.2	
HSPF	Heating		10.0		10.0		9.0		9.0	
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	3.1(~7)		4.7(~7.8)		6.3/7.2(9)		10.0 / 11.9(1)	
	Heating	A	5.4(~7)		5.8(~7.8)		7.5(7.8(8.6))		11.4(9 / 12.6(1)	
Power Input	Cooling	W	650(250~850)		1,000(250~1,250)		1,300(430~1,600)		2,250(430~2,720)	
	Heating	W	1,150(200~1,600)		1,300(200~1,710)		1,600(360~1,650)		2,500(200~2,600)	
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		CZ-RD516C		CZ-RD516C		CZ-RD516C	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto	
Timer			24hr Program		24hr Program		24hr Program		24hr 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	Indoor (Hi / Me / Lo/ Qt)	dB-A	48 / 25 / 20		49 / 28 / 20		47/39/33(1)		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			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-7/16"	21-9/32"	11-7/16"	21-9/32"	11-7/16"	31-5/16"	11-7/16"	31-5/16"
Width		inches	34-9/32"	30-23/32"	34-9/32"	30-23/32"	43-5/32"	34-15/32"	42-5/32"	34-15/32"
Depth		inches	9-1/16"	11-13/32"	9-1/16"	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

Wireless Remote Controller

Wired Remote Controller CZ-RTC2 (optional)

KE30NKU / KE36NKU

Indoor Unit
CS-KE30NKU / CS-KE36NKU

Outdoor Unit
CU-KE30NKU / CU-KE36NKU

Wireless Remote Controller

Wired Remote Controller CZ-RD515U (optional)

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 (9,600~25,200)		30,600 (10,900~30,600)		34,000 (10,900~34,000)	
	Heating	Btu/h	29,200 (8,800~29,200)		33,000 (14,000~33,000)		36,000 (14,000~36,000)	
Moisture Removal	High	Pints/H	8.1		9.52		10.44	
Dry Air Flow	Hi / Med / Low	CFM	559 / 475 / 391		630 / 530 / 412		630 / 530 / 412	
SEER	Cooling		14.9		16		16	
EER	Cooling		8.9		9.3		8.5	
HSPF	Heating		10.1		9.0		9.0	
Power Supply	Ø, Phase, Hz		230V / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz	
Running Amps	Cooling	A	15.3 / 16.9		16.5 (15 ~ 16.5) / 18.8		19 (15 ~ 20) / 21.9	
	Heating	A	14.8 / 15.6		15.3 (14.5 ~ 19.3) / 14.3		18.2 (14.5 ~ 18.2) / 19.9	
Power Input	Cooling	W	2,848 / 2,848		3,270		4,008	
	Heating	W	2,420 / 2,420		3,070		3,410	
Back up Heater		kW	---		---		---	
Fuse or Circuit Breaker Capacity	A		15	30	30		40	
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-RC515A		CZ-RD515U & CZ-RC515A	
Fan Speeds			3 and Automatic Control / Variable		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto	
Timer			24-hr Program		1hr OFF and 24-hr Program		1hr 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/ Of)	dB-A	47 / 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. 80		Max. 98		Max. 98	
Dimensions & Weight			**Indoor Unit**	**Outdoor Unit**	**Indoor Unit**	**Outdoor Unit**	**Indoor Unit**	**Outdoor Unit**
Height		inches	12-63/64"	30-23/32"	11-13/16"	35-13/16"	11-13/16"	35-13/16"
Width		inches	44-7/8"	31"	41-19/16"	31-1/31"	41-19/16"	31-1/31"
Depth		inches	8-31/32"	13-3/8"	9-1/16"	13-3/8"	9-1/16"	13-3/8"
Net Weight		Lbs.	46.8	128.8	32.0	185.0	32.0	185.0

* 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 Air Conditioners

Standard Models

S9NKU-1 / S12NKU-1

Indoor Unit
CS-S9NKUW-1 / CS-S12NKUW-1

Outdoor Unit
CU-S9NKU-1 / CU-S12NKU-1

Wireless Remote Controller

S18NKU-1 / S22NKU-1

Indoor Unit
CS-S18NKU-1 / CS-S22NKU-1

Outdoor Unit
CU-S18NKU-1 / CU-S22NKU-1

Wireless Remote Controller

Wall Mounted Air Conditioners										
Model No.			S9NKU-1		S12NKU-1		S18NKU-1		S22NKU-1	
Unit Model No.			Indoor Unit CS-S9NKUW-1	Outdoor Unit CU-S9NKU-1	Indoor Unit CS-S12NKUW-1	Outdoor Unit CU-S12NKU-1	Indoor Unit CS-S18NKU-1	Outdoor Unit CU-S18NKU-1	Indoor Unit CS-S22NKU-1	Outdoor Unit CU-S22NKU-1
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	8,500(4,100–10,200)		11,900(4,100–13,100)		17,100(4,600–19,600)		21,000(4,600–23,400)	
	Heating	Btu/h	---		---		---		---	
Moisture Removal	High	Pints/H	1.3		2.1		3.6		4.1	
Dry Air Flow	High	CFM	400		425		660		660	
SEER	Cooling		17.5		17.5		17.5		17.0	
EER	Cooling		12.1		11.9		10.4		9.3	
HSPF	Heating		---		---		---		---	
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	3.3(3.7)–4.1		4.6(5.1)–5.6		7.5(–9)		10(–10.8)	
	Heating	A	---		---		---		---	
Power Input	Cooling	W	700(250–980)		1,000(250–1,150)		1650(250–1950)		2200(250–2,500)	
	Heating	W	---		---		---		---	
Back-up Heater		kW	---		---		---		---	
Fuse or Circuit Breaker Capacity		A	15		15		20		25	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			---		---		---		---	
Wireless Remote Controller			Included		Included		Included		Included	
Wired Remote Controller (optional)			---		---		---		---	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto	
Timer			24hr Program		24hr Program		24hr Program		24hr 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		R410A		R-410A	
Refrigerant control			Capillary Tube		Capillary Tube		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	Hi/Me / Lo/ Q-Lo	dB-A	48 / 35 / 28		53 / 38 / 30		47 / 39 / 34		47 / 39 / 34	
	Outdoor(Hi)	dB-A	47		48		47		50	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare	
	Discharge	Inches	1/4"		1/4"		1/4"		1/4"	
	Suction	Inches	3/8"		1/2"		1/2"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 49		Max. 49		Max. 66		Max. 66	
Elevation Difference*	Outdoor Above	Ft.	Max. 16		Max. 16		Max. 49		Max. 49	
	Outdoor Below	Ft.	Max. 16		Max. 16		Max. 49		Max. 49	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		Inches	11-7/16"	21-9/32"	11-7/16"	21-9/32"	11-7/16"	31-5/16"	11-7/16"	31-5/16"
Width		Inches	34-9/32"	30-23/32"	34-9/32"	30-23/32"	42-5/32"	34-15/32"	42-5/32"	34-15/32"
Depth		Inches	8-1/16"	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	34.0	115.0	34.0	117.0

* 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 Air Conditioners

Low Ambient Models

S9NKUA / S12NKUA

Indoor Unit
CS-S9NKUA / CS-S12NKUA

Outdoor Unit
CU-S9NKUA / CU-S12NKUA

Wireless Remote Controller

Wired Remote Controller CZ-RD516C (optional)

S18NKUA / S24NKUA

Indoor Unit
CS-S18NKUA / CS-S24NKUA

Outdoor Unit
CU-S18NKUA / CU-S24NKUA

Wireless Remote Controller

Wired Remote Controller CZ-RD516C (optional)

Unit Model No.			S9NKUA		S12NKUA		S18NKUA		S24NKUA	
			CS-S9NKUA	CU-S9NKUA	CS-S12NKUA	CU-S12NKUA	CS-S18NKUA	CU-S18NKUA	CS-S24NKUA	CU-S24NKUA
Capacity	Cooling	Btu/h	8,500 (4,100–10,200)		12,000 (4,100–13,300)		17,100 (5,800–19,100)		24,000 (5,800–27,200)	
	Heating	Btu/h	---		---		---		---	
Moisture Removal	High	Pints/H	1.3		2.5		3.0		---	
Dry Air Flow	High	CFM	295		425		458		---	
SEER	Cooling		21.0		20.0		18.0		17.5	
EER	Cooling		13.1		12.0		13.2		10.2	
HSPF	Heating		---		---		---		---	
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 (3.5)–4.4		4.7 (5.3)–6.8		6.3 (7.2)		10.7 (11.9)	
	Heating	A	---		---		---		---	
Power Input	Cooling	W	660 (750–950)		1,000 (750–1,150)		1,300 (1,130–1,600)		2,350 (1,130–2,720)	
	Heating	W	---		---		---		---	
Back-up Heater		kW	---		---		---		---	
Fuse or Circuit Breaker Capacity		A	15		15		20		25	
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Equipped		Equipped		Equipped		Equipped	
Wireless Remote Controller			Included		Included		Included		Included	
Wired Remote Controller (Optional)			CZ-RD516C		CZ-RD516C		CZ-RD516C		CZ-RD516C	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto	
Timer			24hr Program		24hr Program		24hr Program		24hr 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	Indoor (Hi / Lo / Q-Lo)	dB-A	48 / 35 / 28		49 / 38 (28)		47 (31) *a		48 / 48 / 37	
	Outdoor (Hi)	dB-A	47		48		---		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. 131	
Elevation Difference*	Outdoor Above	Ft.	Max. 49		Max. 49		Max. 49		Max. 49	
	Outdoor Below	Ft.	Max. 49		Max. 49		Max. 49		Max. 49	
			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-7/16"	21-9/32"	11-7/16"	21-9/32"	11-7/16"	21-5/16"	11-7/16"	21-5/16"
Width		inches	34-9/32"	30-23/32"	34-9/32"	30-23/32"	42-5/32"	34-15/32"	42-5/32"	34-15/32"
Depth		inches	8-1/16"	11-13/32"	8-1/16"	11-13/32"	9-4/32"	12-5/8"	9-4/32"	12-5/8"
Net Weight		Lbs.	20.0	82.0	20.0	82.0	26.0	132.8	26.0	132.8

* 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 Air Conditioners

Low Ambient Models

26PSK1U6

Indoor Unit
S-26PK1U6

Outdoor Unit
U-26PS1U6

Wireless Remote Controller

Wired Remote Controller CZ-RTC2 (optional)

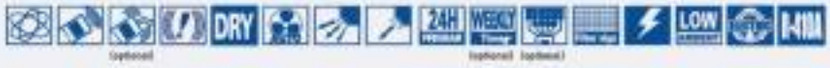
KS30NKUA / KS36NKUA

Indoor Unit
CS-KS30NKU/CS-KS36NKU

Outdoor Unit
CU-KS30NKUA / CU-KS36NKUA

Wireless Remote Controller

Wired Remote Controller CZ-RD515U (optional)



(optional) (optional) (optional)

Wall Mounted Air Conditioners										
Model No.			**26PSK1U6**		**KS30NKUA**		**KS36NKUA**			
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit		
			S-26PK1U6	U-26PS1U6	CS-KS30NKU	CU-KS30NKUA	CS-KS36NKU	CU-KS36NKUA		
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	---		---		---			
Moisture Removal	High	Pints/H	8.1		9.57		10.64			
Dry Air Flow	Hi / Med / Low	CFM	569 / 470 / 390		630 / 530 / 472		630 / 530 / 472			
SEER	Cooling		14.9		14.8		14.8			
EER	Cooling		8.9		9.3		8.5			
HSPF	Heating		---		---		---			
Power Supply		V, Phase, Hz	230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz			
Running Amps	Cooling	A	15.3 / 16.9		14.5 / 18		20 / 23.9			
	Heating	A	---		---		---			
Power Input	Cooling	W	2,840 / 2,840		3,790		4,000			
	Heating	W	---		---		---			
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-RCS15UA		CZ-RD515U & CZ-RCS15UA			
Fan Speeds			Hi / Me / Lo & Auto		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto			
Timer			24-hr Program		1hr OFF and 24-hr Program		1hr OFF and 24-hr Program			
Air Deflection	Horizontal		Manual		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	Indoor (Hi / Me / Lo/ DD)	dB-A	48 / 42 / 28		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"	30-23/16"	11-3/16"	30-23/16"		
Width		inches	44-7/8"	33"	43-15/16"	32-1/2"	43-15/16"	32-1/32"		
Depth		inches	8-31/32"	13-3/8"	9-1/16"	13-3/8"	9-1/16"	13-3/8"		
Net Weight		Lbs.	40.8	120.8	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.)

RAC Multi-System Indoor Units

S/E Series

Fits with Various Sizes of Rooms and Lifestyle

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-S9NKUW-1 / CS-S12NKUW-1

CS-E9NKUAW / CS-E12NKUAW

Wireless Remote Controller "included" with each indoor

RAC Multi System

Indoor Unit: Wall Mounted Type

Cooling Only				
Model No.			**CS-S9NKUW-1**	**CS-S12NKUW-1**
Power Source			230V / 208V, 1PH, 60Hz	
Running Ampere		A	4.1 / 4.5	4.7 / 5.2
Power Input		W	850	1,000
Capacity	Cooling	Btu/h	9,600	10,900
Moisture Removal	High	Pints/H	1.1	1.3
Unit Dimensions (HxWxD)		inch	11-7/16" x 34-9/32" x 8-1/16"	
Net Weight		Lbs.	9.8	9.9
Air Circulation (High)	Cooling	CFM	480	425
Operating Sound (H/L)	Cooling	dB-A	48 / 26 / 20	43 / 23 / 20
	Heating	dB-A	---	---
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"
	Wide Tube	inch	3/8"	1/2"
Elevation Difference*	Outdoor Above	Ft.	Max. 49	Max. 49
	Outdoor Below	Ft.	Max. 49	Max. 49

Heat Pump				
Model No.			**CS-E9NKUAW**	**CS-E12NKUAW**
Power Source			230V / 208V, 1PH, 60Hz	
Running Ampere			4.1 / 4.5	4.7 / 5.2
Power Input			850 / 1,150	1,000 / 1,300
Capacity	Cooling	Btu/h	9,600	10,900
	Heating	Btu/h	10,700	10,300
Moisture Removal	High	Pints/H	1.1	1.3
Unit Dimensions (HxWxD)		inch	11-7/16" x 34-9/32" x 8-1/16"	
Net Weight		Lbs.	9.8	9.9
Air Circulation (High)	Cooling	CFM	395	425
	Heating	CFM	430	475
Operating Sound	Cooling	dB-A	48 / 26 / 20	43 / 28 / 20
	Heating	dB-A	42 / 29 / 26	44 / 35 / 32
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"
	Wide Tube	inch	3/8"	1/2"
Elevation Difference*	Outdoor Above	Ft.	Max. 49	Max. 49
	Outdoor Below	Ft.	Max. 49	Max. 49

* 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.)

RAC Multi-System Outoor Units

For **2** Rooms

CU-2S18NBU-1 / CU-2E18NBU

Model No.			CU-2S18NBU-1	CU-2E18NBU	
Performance			Cooling	Cooling	Heating
Capacity		Btu/h	16,700	16,700	20,200
Air Circulation	High	CFM	1,313	1,313	
Number of Connectable Indoor Units			2	2	
SEER	Cooling		18.0	18.0	
EER	Cooling		11.5	11.5	
HSPF	Heating		---	8.0	
Electrical Rating					
Power Supply		V, Phase, Hz	230V / 208V, 1PH, 60Hz	230V / 208V, 1PH, 60Hz	
Running Ampere		A	6.9 / 7.6	6.9 / 7.6	8.1 / 9.0
Power Input		W	1,450	1,450	1,850
Maximum Fuse Size		Amps	25	25	
Features					
Controls			Microprocessor	Microprocessor	
Fan Speeds			Auto	Auto	
Compressor			DC Inverter	DC Inverter	
Refrigerant / Amount Charged at Shipment			R-410A / 67.8 Oz	R-410A / 67.80 Oz	
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi	dB-A	48	48	49
Refrigerant Tubing Connections		Type	Flare	Flare	
Max. Allowable Tubing Length		Ft.	Max.164 (82'per unit)	Max.164 (82'per unit)	
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"	
	Wide Tube	inch	3/8"	3/8"	
Dimensions & Weight					
Unit Dimensions	H x W x D	inch	31-5/16" x 34-15/32"(+3-3/4) x 12-5/8"	31-5/16" x 34-15/32"(+3-3/4) x 12-5/8"	
Net Weight		Lbs.	152	152	

CU-2S18NBU-1 & CU-2E18NBU-Cooling

	Indoor unit combinations	Cooling Capacity(BTU/h)				Input Power (W)		Current, 208V (A)	Current, 230V (A)	Moisture Removal Volume pt/h
		Room A	Room B	Total	min ~ max	Rating	min ~ max			
1 Room	CS-S9NKUW-1 / CS-E9NKUAW	9,600	---	9,600	6,200 ~ 11,200	850	390 ~ 1,020	4.5	4.1	1.1
	CS-S12NKUW-1* / CS-E12NKUAW*	10,900	---	10,900	6,300 ~ 12,000	1,000	390 ~ 1,230	5.2	4.7	1.3
2 Room	CS-S9NKUW-1 / CS-E9NKUAW + CS-S9NKUW-1 / CS-E9NKUAW	8,350	8,350	16,700	7,300 ~ 28,000	1,450	390 ~ 1930	7.6	6.9	1.1 + 1.1
	CS-S9NKUW-1 / CS-E9NKUAW + CS-S12NKUW-1* + CS-E12NKUAW*	7,800	8,900	16,700	7,200 ~ 28,000	1,450	390 ~ 1,870	7.6	6.9	1.1 + 1.3
	CS-S12NKUW-1* / CS-E12NKUAW* + CS-S12NKUW-1* / CS-E12NKUAW*	8,350	8,350	16,700	7,200 ~ 28,000	1,450	390 ~ 1,860	7.6	6.9	1.3 + 1.3

CU-2E18NBU-Heating

	Indoor unit combinations	Heating Capacity(BTU/h)				Input Power (W)		Current, 208V (A)	Current, 230V (A)	Moisture Removal Volume pt/h
		Room A	Room B	Total	min ~ max	Rating	min ~ max			
1 Room	CS-E9NKUAW	13,700	---	13,700	6,600 ~ 19,100	1,350	440 ~ 1,650	5.9	5.4	---
	CS-E12NKUAW	15,300	---	15,300	6,900 ~ 17,500	1,300	440 ~ 1,630	6.6	6.0	---
2 Room	CS-E9NKUAW + CS-E9NKUAW	10,100	10,100	20,200	7,100 ~ 24,600	1,850	420 ~ 2,270	9.0	8.1	---
	CS-E9NKUAW + CS-E12NKUAW*	9,600	10,600	20,200	7,200 ~ 24,600	1,850	420 ~ 2,290	9.0	8.1	---
	CS-E12NKUAW* + CS-E12NKUAW*	10,100	10,100	20,200	7,200 ~ 24,600	1,850	420 ~ 2,290	9.0	8.1	---

*For CS-S12NKUW-1/CS-E12NKUAW, the pipe size reducer C2-MA7P must be used when connecting with multi-zone outdoor unit.

RAC Multi-System Indoor Units

KS/KE Series

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-MKS7NKU / CS-MKS9NKU / CS-MKS12NKU | **CS-MKS18NKU / CS-MKS24NKU**

CS-MKE7NKU / CS-MKE9NKU / CS-MKE12NKU | **CS-MKE18NKU / CS-MKE24NKU**

Wireless Remote Controller (included) with each indoor

Wired Remote Controller CZ-RD515U (optional)

Indoor Unit: Wall Mounted Type

Cooling Only							
Model No.			**CS-MKS7NKU**	**CS-MKS9NKU**	**CS-MKS12NKU**	**CS-MKS18NKU**	**CS-MKS24NKU**
Power Source			230V / 208V, 1 PH, 60 Hz				
Running Ampere		A	0.11 / 0.12	0.15 / 0.17	0.15 / 0.17	0.15 / 0.17	0.20 / 0.22
Power Input		W	25	35	35	35	45
Capacity	Cooling	Btu/h	7,500	9,000	11,900	17,500	24,200
Moisture Removal	High	Pints/H	2.77	3.40	4.26	6.89	6.89
Unit Dimensions (HxWxD)		inch	11"-7/32" x 32"-15/32" x 7"-3/16"			11"-23/32" x 41"-15/16" x 8"-19/32"	
Net Weight		Lbs.	19.8	19.8	19.8	26.5	26.5
Air Circulation (H.M.L)	Cooling	CFM	241 / 224 / 212	259 / 241 / 212	282 / 259 / 218	500 / 447 / 377	541 / 508 / 435
Operating Sound (H/L)	Cooling	dB-A	33 / 23	34 / 23	36 / 25	41 / 28	44 / 30
	Heating	dB-A	---	---	---	---	---
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Wide Tube	inch	3/8"	3/8"	3/8"	1/2"	5/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50	Max. 50	Max. 50	Max. 50

Heat Pump							
Model No.			**CS-MKE7NKU**	**CS-MKE9NKU**	**CS-MKE12NKU**	**CS-MKE18NKU**	**CS-MKE24NKU**
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	24,200
	Heating	Btu/h	8,500	12,200	14,300	20,400	29,000
Moisture Removal	High	Pints/H	2.77	3.40	4.26	6.89	6.89
Unit Dimensions (HxWxD)		inch	11"-7/32" x 32"-15/32" x 7"-3/16"			11"-23/32" x 41"-15/16" x 8"-19/32"	
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	541 / 508 / 435
	Heating	CFM	271 / 241 / 218	282 / 271 / 218	294 / 271 / 218	500 / 447 / 377	541 / 481 / 435
Hi / Me / Lo / Qi Operating Sound	Cooling	dB-A	33 / 30 / 27 / 23	34 / 31 /28 / 23	36 / 33 / 29 / 25	41 / 38 / 34 / 28	44 / 41 / 36 / 30
	Heating	dB-A	33 / 30 / 27 / 23	34 / 31 /28 / 23	34 / 31 / 29 / 25	40 / 37 / 34 / 28	43 / 40 / 37 / 30
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Wide Tube	inch	3/8"	3/8"	3/8"	1/2"	5/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	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)

RAC Multi-System Indoor Units

KS/KE Series

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-MKS9NB4U / CS-MKS12NB4U / CS-KS18NB4UW

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

Cooling Only					
Model No.			CS-MKS9NB4U	CS-MKS12NB4U	CS-KS18NB4UW
Grille Assemblie			CZ-18BT1U		
Power Source			230V / 208V, 1 PH, 60 Hz		
Running Ampere		A	0.10 / 0.11	0.11 / 0.12	0.15 / 0.16
Power Input		W	16	17	22
Capacity	Cooling	Btu/h	9,000	11,900	17,500
Moisture Removal	High	Pints/H	3.4	4.26	4.89
Unit Dimensions (HxWxD)		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	341 / 294 / 253
Operating Sound (H/L)	Cooling	dB-A	33 / 32 / 31	34 / 32 / 31	44 / 40 / 36
	Heating	dB-A	---	---	---
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"	1/4"
	Wide Tube	inch	3/8"	3/8"	1/2"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50	Max. 50

Heat Pump					
Model No.			CS-MKE9NB4U	CS-MKE12NB4U	CS-KE18NB4UW
Grille Assemblie			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	17,500
	Heating	Btu/h	12,300	13,600	19,400
Moisture Removal	High	Pints/H	3.4	4.26	4.89
Unit Dimensions (HxWxD)		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	341 / 294 / 253
	Heating	CFM	247 / 235 / 224	268 / 247 / 224	383 / 324 / 265
Operating Sound(H/L)	Cooling	dB-A	33 / 32 / 31	34 / 32 / 31	44 / 40 / 36
	Heating	dB-A	34 / 33 / 32	35 / 34 / 32	44 / 40 / 36
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"	1/4"
	Wide Tube	inch	3/8"	3/8"	1/2"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	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)

RAC Multi-System Outdoor Units

KS/KE Series

Up to **3** Rooms

Connectable from 2 to 3 Indoor Units

CU-3KS19NBU
CU-3KE19NBU

Outdoor Unit

Model No.			CU-3KS19NBU	CU-3KE19NBU	
Performance			Cooling	Cooling	Heating
Capacity		Btu/h	17,000	17,000	23,200
Air Circulation	High	CFM	1,707	1,707	
Number of Connectable Indoor Units			2 – 3	2 – 3	
SEER	Cooling		18.0	18.0	
EER	Cooling		12.0	12.0	
HSPF	Heating		—	8.0	
Electrical Rating					
Power Supply		V, Phase, Hz	230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz	
Running Ampere		A	6.3 / 7.0	6.3 / 7.0	9.1 / 10.1
Power Input		W	1,420	1,420	2,050
Maximum Fuse Size		Amps	15A	15A	
Features					
Controls			Microprocessor	Microprocessor	
Fan Speeds			Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)	
Compressor			DC Inverter	DC Inverter	
Refrigerant / Amount Charged at Shipment		lb.	R-410A / 6.17	R-410A / 6.17	
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi	dB-A	58	58	52
Refrigerant Tubing Connections		Type	Flare	Flare	
Max. Allowable Tubing Length		ft	82 (per Unit) 150 (per System) with additional refrigerant	82 (per Unit) 150 (per System) with additional refrigerant	
Refrigerant Tube Diameter	Narrow Tube	inch	1/4" x 3	1/4" x 3	
	Wide Tube	inch	3/8" x 3	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"	29-1/8" x 35-7/16" x 12-19/32"	
Net Weight		Lbs.	138.9	143.8	

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-System Outdoor Units

KS/KE Series

Up to 4 Rooms

Connectable from 2 to 4 Indoor Units

CU-4KS24NBU
CU-4KE24NBU

CU-4KS31NBU
CU-4KE31NBU

Outdoor Unit

Model No.			CU-4KS24NBU	CU-4KE24NBU		CU-4KS31NBU	CU-4KE31NBU	
Performance			Cooling	Cooling	Heating	Cooling	Cooling	Heating
Capacity		Btu/h	24,200	22,400	27,200	29,800 / 28,600	29,800 / 28,600	30,600
Air Circulation	High	CFM	1,707	1,707		1,942	1,942	
Number of Connectable Indoor Units			2 ~ 4	2 ~ 4		2 ~ 4	2 ~ 4	
SEER	Cooling		18.0	18.0		17.6	17.2	
EER	Cooling		10.0	11.5		11.2	11.2	
HSPF	Heating		—	8.5		—	9.3	
Electrical Rating								
Power Supply		V, Phase, Hz	230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz		230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz	
Running Ampere		A	10.7 / 11.9	8.7 / 9.6	10.0 / 11.0	11.4 / 12.6	11.4 / 12.6	10.1 / 11.2
Power Input		W	2,420	1,950	2,250	2,600 / 2,560	2,600 / 2,560	2,380
Maximum Fuse Size		Amps	20A	20A		20A	20A	
Features								
Controls			Microprocessor	Microprocessor		Microprocessor	Microprocessor	
Fan Speeds			Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)		Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)	
Compressor			DC Inverter	DC Inverter		DC Inverter	DC Inverter	
Refrigerant / Amount Charged at Shipment		lb.	R-410A / 6.17	R-410A / 6.17		R-410A / 8.38	R-410A / 8.38	
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve		Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi	dB-A	50	50	52	53	53	55
Refrigerant Tubing Connections		Type	Flare	Flare		Flare	Flare	
Max. Allowable Tubing Length		Ft	82 (per Unit) 200 (per System with additional Refrigerant)	82 (per Unit) 200 (per System with additional Refrigerant)		100 (per Unit) 230 (per System with additional Refrigerant)	100 (per Unit) 230 (per System with additional Refrigerant)	
Refrigerant Tube Diameter	Narrow Tube	inch	1/4" x 4	1/4" x 4		1/4" x 4	1/4" x 4	
	Wide Tube	inch	3/8" x 3 + 1/2" x 1	3/8" x 3 + 1/2" x 1		3/8" x 2 + 1/2" x 2	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"	29-1/8" x 35-7/16" x 12-19/32"		35-1/32" x 35-7/16" x 12-19/32"	35-1/32" x 35-7/16" x 12-19/32"	
Net Weight		Lbs.	138.9	143.3		174.2	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-3KS19NBU/CU-3KE19NBU 230V

	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	14,342		22,400	7,100 ~ 24,800	
	7,500 + 17,500	= 25,000	5,519	12,881		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	7,600 ~ 24,800	
	9,000 + 11,900	= 20,900	7,622	10,378		17,700	7,100 ~ 18,600		10,800	12,600		23,400	7,600 ~ 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	7,600 ~ 24,800	
	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	
3-room Operation	7,500 + 7,500 + 7,500	= 22,500	6,000	6,000	6,000	18,000	6,500 ~ 18,600		7,800	7,800	7,800	23,400	8,200 ~ 24,800	
	7,500 + 7,500 + 9,000	= 24,000	5,750	5,750	6,000	16,400	6,800 ~ 18,600		6,919	6,919	9,962	23,800	10,200 ~ 24,800	
	7,500 + 7,500 + 11,900	= 26,900	5,196	5,196	8,228	18,600	6,800 ~ 18,600		6,578	6,578	11,048	24,200	11,900 ~ 24,800	
	7,500 + 7,500 + 17,500	= 32,500	4,292	4,292	10,016	18,600	6,800 ~ 18,600		5,636	5,636	13,527	24,800	11,900 ~ 24,800	
	7,500 + 9,000 + 9,000	= 25,500	5,471	6,565	6,565	18,600	6,800 ~ 18,600		6,237	8,981	8,981	24,200	11,900 ~ 24,800	
	7,500 + 9,000 + 11,900	= 28,400	4,912	6,894	7,794	18,600	6,800 ~ 18,600		5,971	8,998	10,031	24,800	11,900 ~ 24,800	
	7,500 + 9,000 + 17,500	= 34,000	4,103	4,924	9,574	18,600	6,800 ~ 18,600		5,124	7,379	12,296	24,800	11,900 ~ 24,800	
	7,500 + 11,900 + 11,900	= 31,300	4,467	7,072	7,072	18,600	6,800 ~ 18,600		5,688	9,556	9,556	24,800	11,900 ~ 24,800	
	9,000 + 9,000 + 9,000	= 27,000	6,200	6,200	6,200	18,600	6,800 ~ 18,600		8,267	8,267	8,267	24,800	11,900 ~ 24,800	
	9,000 + 9,000 + 11,900	= 29,900	5,599	5,599	7,483	18,600	6,800 ~ 18,600		7,832	7,832	9,137	24,800	11,900 ~ 24,800	
	9,000 + 11,900 + 11,900	= 32,800	5,104	6,748	6,748	18,600	6,800 ~ 18,600		7,446	9,680	9,680	24,800	11,900 ~ 24,800	
	11,900 + 11,900 + 11,900	= 35,700	6,200	6,200	6,200	18,600	6,800 ~ 18,600		8,267	8,267	8,267	24,800	11,900 ~ 24,800	

CU-4KS24NBU/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	12,300			20,800	7,100 ~ 25,400	
	7,500 + 11,900	= 19,400	7,500	11,900			19,400	6,800 ~ 22,800		8,500	14,500			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 ~ 28,200	
	7,500 + 24,200	= 31,700	5,489	17,711			23,200	7,100 ~ 23,200		8,500	29,000			29,200	8,100 ~ 28,200	
	9,000 + 9,000	= 18,000	9,000	9,000			18,000	6,800 ~ 21,400		12,200	12,200			24,400	7,800 ~ 28,000	
	9,000 + 11,900	= 20,900	8,512	11,388			20,000	6,800 ~ 23,200		12,200	14,300			26,800	7,800 ~ 28,000	
	9,000 + 17,500	= 26,500	7,743	15,857			23,600	7,100 ~ 23,200		12,200	20,400			28,600	8,100 ~ 28,200	
	9,000 + 24,200	= 33,200	6,299	18,901			23,200	7,100 ~ 23,200		12,200	29,000			29,200	8,100 ~ 28,200	
	11,900 + 11,900	= 23,800	11,200	11,200			22,400	6,800 ~ 23,200		14,300	14,300			27,200	7,800 ~ 28,000	
	11,900 + 17,500	= 29,400	8,380	13,810			23,200	7,100 ~ 23,200		14,300	20,400			29,800	8,100 ~ 28,200	
	11,900 + 24,200	= 36,100	7,048	15,952			23,200	7,100 ~ 23,200		14,300	29,000			29,200	8,100 ~ 28,200	
	17,500 + 17,500	= 35,000	11,500	11,500			23,200	7,100 ~ 23,200		20,400	20,400			29,200	8,100 ~ 28,200	
3-room Operation	7,500 + 7,500 + 7,500	= 22,500	7,333	7,333	7,333		22,800	6,800 ~ 23,200		8,500	8,500	8,500		25,400	9,200 ~ 28,000	
	7,500 + 7,500 + 9,000	= 24,000	7,080	7,800	8,400		22,400	6,800 ~ 23,200		8,500	8,500	12,200		27,200	10,200 ~ 28,200	
	7,500 + 7,500 + 11,900	= 26,900	6,413	6,413	10,175		22,800	6,800 ~ 23,200		8,500	8,500	14,300		28,200	10,900 ~ 28,200	
	7,500 + 7,500 + 17,500	= 32,500	5,364	5,364	12,492		23,200	6,800 ~ 23,200		8,500	8,500	20,400		29,200	11,600 ~ 28,200	
	7,500 + 9,000 + 9,000	= 25,500	6,706	8,947	8,947		22,800	6,800 ~ 23,200		8,500	12,200	12,200		28,600	11,600 ~ 28,200	
	7,500 + 9,000 + 11,900	= 28,400	6,127	7,352	9,721		23,200	6,800 ~ 23,200		8,500	12,200	14,300		29,000	11,600 ~ 28,200	
	7,500 + 9,000 + 17,500	= 34,000	5,118	6,141	11,941		23,200	6,800 ~ 23,200		8,500	12,200	20,400		29,200	11,600 ~ 28,200	
	7,500 + 11,900 + 11,900	= 31,300	5,589	8,855	8,855		23,200	6,800 ~ 23,200		8,500	14,300	14,300		29,200	11,600 ~ 28,200	
	7,500 + 11,900 + 17,500	= 36,900	4,716	7,482	11,002		23,200	6,800 ~ 23,200		8,500	14,300	20,400		29,200	11,600 ~ 28,200	
	9,000 + 9,000 + 9,000	= 27,000	7,733	7,733	7,733		23,200	6,800 ~ 23,200		12,200	12,200	12,200		29,200	11,600 ~ 28,200	
	9,000 + 9,000 + 11,900	= 29,900	6,983	6,983	9,233		23,200	6,800 ~ 23,200		12,200	12,200	14,300		29,200	11,600 ~ 28,200	
	9,000 + 9,000 + 17,500	= 35,500	5,882	5,882	11,437		23,200	6,800 ~ 23,200		12,200	12,200	20,400		29,200	11,600 ~ 28,200	
	9,000 + 11,900 + 11,900	= 32,800	6,366	8,417	8,417		23,200	6,800 ~ 23,200		12,200	14,300	14,300		29,200	11,600 ~ 28,200	
	9,000 + 11,900 + 17,500	= 38,400	5,439	7,199	10,573		23,200	6,800 ~ 23,200		12,200	14,300	20,400		29,200	11,600 ~ 28,200	
	11,900 + 11,900 + 11,900	= 35,700	7,733	7,733	7,733		23,200	6,800 ~ 23,200		14,300	14,300	14,300		29,200	11,600 ~ 28,200	
	11,900 + 11,900 + 17,500	= 41,300	6,685	6,685	9,831		23,200	6,800 ~ 23,200		14,300	14,300	20,400		29,200	11,600 ~ 28,200	
4-room Operation	7,500 + 7,500 + 7,500 + 7,500	= 30,000	5,800	5,800	5,800	5,800	23,200	6,800 ~ 23,200		7,300	7,300	7,300	7,300	29,200	11,600 ~ 28,200	
	7,500 + 7,500 + 7,500 + 9,000	= 31,500	5,524	5,524	5,524	8,629	23,200	6,800 ~ 23,200		6,952	6,952	6,952	8,343	29,200	11,600 ~ 28,200	
	7,500 + 7,500 + 7,500 + 11,900	= 34,400	5,058	5,058	5,058	8,026	23,200	6,800 ~ 23,200		6,366	6,366	6,366	10,101	29,200	11,600 ~ 28,200	
	7,500 + 7,500 + 7,500 + 17,500	= 40,000	4,350	4,350	4,350	10,150	23,200	6,800 ~ 23,200		5,475	5,475	5,475	12,775	29,200	11,600 ~ 28,200	
	7,500 + 7,500 + 9,000 + 9,000	= 33,000	5,273	5,273	6,327	6,327	23,200	6,800 ~ 23,200		6,638	6,638	7,964	7,964	29,200	11,600 ~ 28,200	
	7,500 + 7,500 + 9,000 + 11,900	= 35,900	4,847	4,847	5,816	7,690	23,200	6,800 ~ 23,200		6,100	6,100	7,320	9,678	29,200	11,600 ~ 28,200	
	7,500 + 7,500 + 9,000 + 17,500	= 41,500	4,183	4,183	5,021	9,783	23,200	6,800 ~ 23,200		5,277	5,277	6,333	12,313	29,200	11,600 ~ 28,200	
	7,500 + 7,500 + 11,900 + 11,900	= 38,800	4,485	4,485	7,110	7,110	23,200	6,800 ~ 23,200		5,664	5,664	8,966	8,966	29,200	11,600 ~ 28,200	
	7,500 + 7,500 + 11,900 + 17,500	= 44,400	3,979	3,979	6,218	9,144	23,200	6,800 ~ 23,200		4,952	4,952	7,929	11,509	29,200	11,600 ~ 28,200	
	7,500 + 9,000 + 9,000 + 9,000	= 34,500	5,043	6,052	6,052	6,052	23,200	6,800 ~ 23,200		6,348	7,617	7,617	7,617	29,200	11,600 ~ 28,200	
	7,500 + 9,000 + 9,000 + 11,900	= 37,400	4,552	5,583	5,583	7,382	23,200	6,800 ~ 23,200		5,856	7,027	7,027	9,291	29,200	11,600 ~ 28,200	
	7,500 + 9,000 + 9,000 + 17,500	= 43,000	4,047	4,864	6,656	9,442	23,200	6,800 ~ 23,200		5,092	6,112	6,112	11,884	29,200	11,600 ~ 28,200	
	7,500 + 9,000 + 11,900 + 11,900	= 40,300	4,316	5,191	6,851	6,851	23,200	6,800 ~ 23,200		5,434	6,521	8,622	8,622	29,200	11,600 ~ 28,200	
	7,500 + 11,900 + 11,900 + 11,900	= 43,200	4,055	6,391	6,391	6,391	23,200	6,800 ~ 23,200		5,068	8,044	8,044	8,044	29,200	11,600 ~ 28,200	
	9,000 + 9,000 + 9,000 + 9,000	= 36,000	5,800	5,800	5,800	5,800	23,200	6,800 ~ 23,200		7,300	7,300	7,300	7,300	29,200	11,600 ~ 28,200	
	9,000 + 9,000 + 9,000 + 11,900	= 38,900	5,368	5,368	5,368	7,087	23,200	6,800 ~ 23,200		6,756	6,756	6,756	8,933	29,200	11,600 ~ 28,200	
	9,000 + 9,000 + 9,000 + 17,500	= 44,500	4,662	4,662	6,156	9,124	23,200	6,800 ~ 23,200		5,866	5,866	5,866	11,453	29,200	11,600 ~ 28,200	
	9,000 + 9,000 + 11,900 + 11,900	= 41,300	4,265	4,805	6,605	6,605	23,200	6,800 ~ 23,200		6,267	6,267	8,313	8,313	29,200	11,600 ~ 28,200	

CU-4KS31NBU/CU-4KE31NBU 230V

	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	7500 + 7,500 + 15,000	7,500	7,500			15,000	4,400	17,400		8,500	8,500			17,000	8,600	21,800
	7500 + 9,000 + 16,500	7,500	9,000			16,500	5,100	19,700		8,541	12,259			20,800	7,100	25,400
	7500 + 11,980 + 19,480	7,500	11,980			19,480	5,800	22,800		8,500	14,308			22,680	7,680	28,290
	7500 + 17,580 + 25,080	7,320	17,880			24,400	7,500	26,200		8,529	20,471			29,080	10,290	32,080
	7500 + 24,280 + 31,780	6,825	21,275			28,800	7,800	30,800		8,800	23,200			32,080	10,290	32,080
	9000 + 9,000 + 18,300	9,300	9,300			18,300	5,800	22,800		12,200	12,200			24,480	8,190	29,080
	9000 + 11,980 + 20,980	8,997	11,843			20,800	6,400	25,200		11,818	13,822			25,890	8,680	29,080
	9000 + 17,580 + 26,580	8,626	16,774			25,400	7,800	29,800		11,602	18,398			29,480	11,290	32,080
	9000 + 24,280 + 33,280	7,861	21,139			29,000	7,800	30,800		8,861	21,639			30,680	11,290	32,080
	11980 + 11,980 + 23,960	11,908	11,908			23,800	7,500	28,800		13,800	13,800			27,290	9,890	29,080
	11980 + 17,580 + 29,480	10,848	15,952			26,800	8,800	30,800		12,281	17,519			29,680	11,680	32,080
	11980 + 24,280 + 36,180	9,625	19,575			29,200	8,800	30,800		10,238	20,762			31,080	11,680	32,080
	17580 + 17,580 + 35,060	14,500	14,500			29,000	8,800	30,800		15,500	15,500			33,680	11,680	32,080
	17580 + 24,280 + 41,760	12,296	17,904			29,200	9,200	30,800		13,215	18,785			32,080	11,680	32,080
3-room Operation	7500 + 7,500 + 7,500 + 22,500	7,467	7,467	7,467		22,400	6,800	29,200		8,467	8,467	8,467		25,480	9,280	30,680
	7500 + 7,500 + 9,000 + 24,000	7,500	7,500	9,000		24,000	7,500	26,800		8,442	8,442	12,716		28,080	10,290	31,280
	7500 + 7,500 + 11,980 + 26,980	7,582	7,582	11,236		25,400	8,100	28,800		7,800	7,800	13,341		28,280	10,080	32,080
	7500 + 7,500 + 17,580 + 32,580	6,900	6,900	15,408		29,800	9,200	30,800		6,818	6,818	16,264		30,080	11,680	32,080
	7500 + 7,500 + 24,280 + 39,280	5,567	5,567	19,027		29,200	9,800	30,800		5,802	5,802	19,796		31,480	11,680	32,080
	7500 + 9,000 + 9,000 + 25,500	7,294	8,753	8,753		24,800	7,800	27,200		7,596	10,902	10,902		29,480	11,280	31,680
	7500 + 9,000 + 11,980 + 28,480	6,972	8,894	11,662		26,400	8,800	27,800		7,207	10,367	12,175		29,680	11,680	32,080
	7500 + 9,000 + 17,580 + 34,580	6,309	7,971	14,721		28,800	8,800	30,800		6,328	9,083	19,168		30,680	11,680	32,080
	7500 + 9,000 + 24,280 + 40,780	5,381	6,457	17,352		29,200	9,800	30,800		5,473	7,855	18,672		32,080	11,680	32,080
	7500 + 11,980 + 11,980 + 31,960	6,813	10,493	10,493		27,800	9,200	28,800		6,873	11,553	11,553		30,080	11,680	32,080
	7500 + 11,980 + 17,580 + 37,060	5,835	9,417	13,848		29,200	9,800	30,800		6,100	10,352	14,628		31,080	11,680	32,080
	7500 + 11,980 + 24,280 + 43,760	5,203	7,676	16,207		29,200	9,800	30,800		5,251	8,834	17,916		32,080	11,680	32,080
	7500 + 17,580 + 17,580 + 42,660	5,163	12,824	12,824		29,200	9,800	30,800		5,517	13,241	13,241		32,080	11,680	32,080
	7500 + 17,580 + 24,280 + 49,360	4,451	10,366	14,363		29,200	9,800	30,800		4,998	11,275	16,029		32,080	11,680	32,080
	9000 + 9,000 + 9,000 + 27,000	8,533	8,533	8,533		25,800	8,500	27,200		10,800	10,800	10,800		32,080	11,680	32,080
	9000 + 9,000 + 11,980 + 29,980	8,167	8,167	10,825		27,200	9,200	28,200		9,520	9,520	11,159		30,280	11,680	32,080
	9000 + 9,000 + 17,580 + 35,580	7,352	7,352	14,296		29,000	9,800	30,800		8,498	8,498	14,207		31,280	11,680	32,080
	9000 + 9,000 + 24,280 + 42,280	6,185	6,185	16,638		29,000	9,800	30,800		7,011	7,011	17,378		32,080	11,680	32,080
	9000 + 11,980 + 11,980 + 32,960	7,848	10,376	10,376		28,600	9,200	29,200		9,153	10,725	10,725		30,680	11,680	32,080
	9000 + 11,980 + 17,580 + 38,560	6,844	9,049	13,307		29,200	9,800	30,800		8,223	9,635	13,769		31,680	11,680	32,080
	9000 + 11,980 + 24,280 + 45,260	5,827	7,705	16,868		29,200	9,800	30,800		7,034	8,245	16,721		32,080	11,680	32,080
	9000 + 17,580 + 17,580 + 44,560	5,373	11,814	11,814		29,200	9,800	30,800		7,366	12,317	12,317		32,080	11,680	32,080
	11980 + 11,980 + 11,980 + 35,760	9,267	9,267	9,267		27,800	9,800	29,800		10,333	10,333	10,333		31,080	11,680	32,080
	11980 + 11,980 + 17,580 + 41,360	8,414	8,414	12,373		29,200	9,800	30,800		9,280	9,280	13,236		31,880	11,680	32,080
	11980 + 11,980 + 24,280 + 48,060	7,239	7,239	14,722		29,200	9,800	30,800		7,944	7,944	16,111		32,080	11,680	32,080
	11980 + 17,580 + 17,580 + 46,960	7,409	10,896	10,896		29,200	9,800	30,800		8,305	11,848	11,848		32,080	11,680	32,080
4-room Operation	7500 + 7,500 + 7,500 + 7,500 + 30,000	7,350	7,350	7,350	7,350	28,200	6,800	28,200		7,400	7,400	7,400	7,400	29,600	11,680	32,080
	7500 + 7,500 + 7,500 + 9,000 + 31,500	6,905	6,905	6,905	8,295	29,000	9,800	29,800		6,899	6,899	6,899	9,903	30,680	11,680	32,080
	7500 + 7,500 + 7,500 + 11,980 + 34,480	6,453	6,453	6,453	10,240	29,600	9,800	29,800		6,577	6,577	6,577	11,368	30,880	11,680	32,080
	7500 + 7,500 + 7,500 + 17,580 + 40,080	5,738	5,738	5,738	13,368	30,800	9,800	30,800		5,815	5,815	5,815	13,856	31,480	11,680	32,080
	7500 + 7,500 + 7,500 + 24,280 + 46,780	4,914	4,914	4,914	15,857	30,800	9,800	30,800		4,991	4,991	4,991	17,859	32,080	11,680	32,080
	7500 + 7,500 + 9,000 + 9,000 + 33,000	6,639	6,639	7,964	7,964	29,200	9,800	29,200		6,324	6,324	9,579	9,579	30,880	11,680	32,080
	7500 + 7,500 + 9,000 + 11,980 + 35,980	6,297	6,297	7,921	9,944	30,800	9,800	30,800		6,097	6,097	8,756	10,257	31,280	11,680	32,080
	7500 + 7,500 + 9,000 + 17,580 + 41,580	5,530	5,530	6,638	12,904	30,800	9,800	30,800		5,484	5,484	7,871	13,161	32,080	11,680	32,080
	7500 + 7,500 + 9,000 + 24,280 + 48,280	4,761	4,761	5,714	16,962	30,800	9,800	30,800		4,874	4,874	6,706	16,845	33,080	11,680	32,080
	7500 + 7,500 + 11,980 + 11,980 + 38,960	5,915	5,915	9,366	9,366	30,800	9,800	30,800		5,818	5,818	9,784	9,784	31,280	11,680	32,080
	7500 + 7,500 + 11,980 + 17,580 + 44,460	5,169	5,169	8,201	12,361	30,800	9,800	30,800		5,263	5,263	8,851	12,827	32,080	11,680	32,080
	7500 + 7,500 + 17,580 + 17,580 + 50,080	4,590	4,590	10,713	10,713	30,800	9,800	30,800		4,706	4,706	11,294	11,294	32,080	11,680	32,080
	7500 + 9,000 + 9,000 + 9,000 + 34,500	6,217	7,461	7,461	7,461	28,600	9,800	28,600		5,662	8,449	8,449	8,449	31,280	11,680	32,080
	7500 + 9,000 + 9,000 + 11,980 + 37,480	6,134	7,364	7,364	8,736	30,800	9,800	30,800		6,491	8,168	8,168	9,974	31,680	11,680	32,080
	7500 + 9,000 + 9,000 + 17,580 + 43,580	5,337	6,409	6,409	12,453	30,800	9,800	30,800		5,103	7,325	7,325	12,248	32,080	11,680	32,080
	7500 + 9,000 + 11,980 + 11,980 + 48,360	5,095	6,834	9,838	9,836	30,800	9,800	30,800		5,517	7,919	9,282	9,282	32,080	11,680	32,080
	7500 + 9,000 + 11,980 + 17,580 + 45,960	5,000	6,708	9,653	11,667	30,800	9,800	30,800		4,910	7,047	9,260	11,783	32,080	11,680	32,080
	7500 + 11,980 + 11,980 + 11,980 + 43,260	5,213	6,429	6,429	6,429	30,800	9,800	30,800		5,262	8,903	8,903	8,903	32,080	11,680	32,080
	7500 + 11,980 + 11,980 + 17,580 + 48,860	4,703	7,462	7,462	10,973	30,800	9,800	30,800		4,733	7,958	7,958	11,353	32,080	11,680	32,080
	9000 + 9,000 + 9,000 + 9,000 + 36,000	7,950	7,950	7,950	7,950	30,800	9,800	30,800		8,000	8,000	8,000	8,000	32,080	11,680	32,080
	9000 + 9,000 + 9,000 + 11,980 + 38,980	7,560	7,560	7,560	9,361	30,800	9,800	30,800		7,573	7,573	7,573	8,360	32,080	11,680	32,080
	9000 + 9,000 + 9,000 + 17,580 + 44,580	6,169	6,169	6,169	12,074	30,800	9,800	30,800		6,849	6,849	6,849	11,453	32,080	11,680	32,080
	9000 + 9,000 + 11,980 + 11,980 + 41,960	6,569	6,569	8,711	8,711	30,800	9,800	30,800		7,366	7,366	8,634	8,634	32,080	11,680	32,080
	9000 + 9,000 + 11,980 + 17,580 + 47,480	5,813	6,810	7,662	11,297	30,800	9,800	30,800		6,606	6,606	7,722	11,848	32,080	11,680	32,080
	9000 + 11,980 + 11,980 + 11,980 + 44,760	6,181	8,148	8,148	8,148	30,800	9,800	30,800		7,085	8,305	8,305	8,305	32,080	11,680	32,080
	11980 + 11,980 + 11,980 + 11,980 + 47,880	7,650	7,650	7,650	7,650	30,800	9,800	30,800		8,800	8,800	8,800	8,800	32,080	11,680	32,080

Ceiling-Suspended Air Conditioners and Heat Pumps

26PST1U6

26PET1U6

Indoor Unit
S-26PT1U6

36PST1U6 / 42PST1U6

36PET1U6 / 42PET1U6

Indoor Unit
S-36PT1U6 / S-42PT1U6

Outdoor Unit
U-26PS1U6 / U-26PE1U6

Wired Remote Controller
(CZ-RTC2)(included)

Wireless Remote Controller
(optional)

Outdoor Unit
U-36PS1U6 / U-36PE1U6

Outdoor Unit
U-42PS1U6 / U-42PE1U6

Wired Remote Controller
(CZ-RTC2)(included)

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.

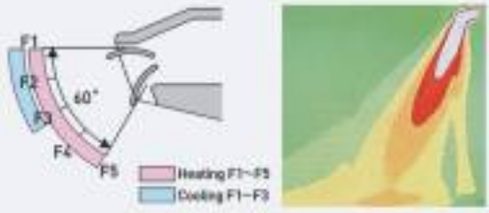
Improved Serviceability / Easy Installation

External suspension method.
Installation time can be shortened.

Improved accessibility to electronic components (control box) for serving.

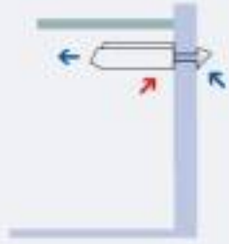
Auto-Louver Function Provides Optimum Airflow During Heating or Cooling Operation

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																	
			Air Conditioners						Heat Pumps								
Model No.			26PST1U6		36PST1U6		42PST1U6		26PET1U6		36PET1U6		42PET1U6				
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit			
			S-26PT1U6	U-26PS1U6	S-36PT1U6	U-36PS1U6	S-42PT1U6	U-42PS1U6	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)		31,200 (9,500~31,200)		39,000 (9,500~39,000)		24,400 (9,500~24,400)		31,200 (9,500~31,200)		39,000 (9,500~39,000)				
	Heating	Btu/h	—		—		—		30,800 (8,800~30,800)		37,400 (8,800~37,400)		44,500 (8,000~44,500)				
Moisture Removal	High	Pints/h	7.7		10.0		12.6		7.7		10.0		12.6				
Dry Air Flow	Hi / Med / Low	CFM	550 / 490 / 460		1,100 / 930 / 750		1,330 / 950 / 775		550 / 490 / 460		1,100 / 930 / 750		1,330 / 950 / 775				
SEER	Cooling		14.5		15.1		15.6		14.5		15.1		15.6				
EER	Cooling		8.5		8.10		9.4		8.5		8.10		9.4				
HSPF	Heating		—		—		—		9.4		8.8		9.6				
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60				
Running Amps	Cooling	A	15.6 / 17.3		18.2 / 20.1		21.1 / 23.3		15.6 / 17.3		18.2 / 20.1		21.1 / 23.3				
	Heating	A	—		—		—		16.4 / 18.1		15.6 / 17.3		18.6 / 20.6				
Power Input	Cooling	W	2,880 / 2,880		3,840 / 3,840		4,140 / 4,140		2,880 / 2,880		3,840 / 3,840		4,140 / 4,140				
	Heating	W	—		—		—		3,000 / 3,000		3,250 / 3,250		3,630 / 3,630				
Fuse or Circuit Breaker Capacity		A	15	30	15	35	15	40	15	30	15	35	15	40			
Features																	
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor				
Low Ambient Control (for Cooling)			Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F				
Wireless Remote Controller(optional)			C2-RWSU2U, C2-RWSC1U		C2-RWSU2U, C2-RWSC1U		C2-RWSU2U, C2-RWSC1U		C2-RWSU2U, C2-RWSC1U		C2-RWSU2U, C2-RWSC1U		C2-RWSU2U, C2-RWSC1U				
Wired Remote Controller (Included)			C2-RYC2		C2-RYC2		C2-RYC2		C2-RYC2		C2-RYC2		C2-RYC2				
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable				
Timer			7 Days/4 Events		7 Days/4 Events		7 Days/4 Events		7 Days/4 Events		7 Days/4 Events		7 Days/4 Events				
Air Deflection	Horizontal		—		—		—		—		—		—				
	Vertical		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic				
Air Filter			Washable		Washable		Washable		Washable		Washable		Washable				
Refrigerant			R-410A		R-410A		R-410A		R-410A		R-410A		R-410A				
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve				
Operation Sound	Indoor (Hi / Me / Lo)	dB-A	39 / 37 / 33		42 / 40 / 35		44 / 42 / 37		39 / 37 / 33		42 / 40 / 35		44 / 42 / 37				
	Outdoor(Hi)	dB-A	49		52		53		49		52		53				
Refrigerant Piping	Type		Flare		Flare		Flare		Flare		Flare		Flare				
	Discharge	inches	3/8"		3/8"		3/8"		3/8"		3/8"		3/8"				
	Suction	inches	5/8"		5/8"		5/8"		5/8"		5/8"		5/8"				
Refrigerant Pipe Length		ft.	Max. 165		Max. 165		Max. 165		Max. 165		Max. 165		Max. 165				
Elevation Difference*	Outdoor Above	ft.	Max. 100		Max. 100		Max. 100		Max. 100		Max. 100		Max. 100				
	Outdoor Below	ft.	Max. 50		Max. 50		Max. 50		Max. 50		Max. 50		Max. 50				
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit			
Height		inches	7-17/32"	30-23/32"	9-17/16"	30-23/32"	9-17/16"	48-7/16"	7-17/32"	30-23/32"	9-17/16"	30-23/32"	9-17/16"	48-7/16"			
Width		inches	51-3/16"	37"	63-1/32"	37"	63-1/32"	37"	51-3/16"	37"	63-1/32"	37"	63-1/32"	37"			
Depth		inches	24-3/8"	13-3/8"	24-3/8"	13-3/8"	24-3/8"	13-3/8"	24-3/8"	13-3/8"	24-3/8"	13-3/8"	24-3/8"	13-3/8"			
Net Weight		Lbs.	97.0	128.0	84.0	143.0	84.0	220.0	97.0	128.0	84.0	143.0	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 Air Conditioners and Heat Pumps

KS12NB41 / KS18NB4UA

KE12NB41 / KE18NB4U

Indoor Unit
CS-KS12NB41
CS-KS18NB4UW
CS-KE12NB41
CS-KE18NB4UW

Grille Assembly
CZ-18BT1U

Wirless Remote Controller (Included)

Wired Remote Controller CZ-RD515U (optional)

Outdoor Unit
CU-KS12NK1A
CU-KE12NK1

Outdoor Unit
CU-KS18NKUA
CU-KE18NKU

26PSU1U6

26PEU1U6

Indoor Unit
S-26PU1U6

Grille Assembly
CZ-24KPU1U

Outdoor Unit
U-26PS1U6
U-26PE1U6

Wired Remote Controller CZ-RTC2 (included)

Wirless Remote Controller (optional)

36PSU1U6 / 42PSU1U6

36PEU1U6 / 42PEU1U6

Indoor Unit
S-36PU1U6 / S-42PU1U6

Grille Assembly
CZ-36KPU1U

Outdoor Unit
U-36PS1U6
U-36PE1U6

Outdoor Unit
U-42PS1U6
U-42PE1U6

Wired Remote Controller CZ-RTC2 (included)

Wirless Remote Controller (optional)

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 fresh air-intake plenum to the unit.
Air-intake plenum is optionally supplied.
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			Air Conditioners				Heat Pumps			
Model No.			KS12NB41A		KS18NB40A		KE12NB41		KE18NB40	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			CS-KS12NB41	CU-KS12NK1A	CS-KS18NB40W	CU-KS18NK0A	CS-KE12NB41	CU-KE12NK1	CS-KE18NB40W	CU-KE18NK0
Grille Assembly			CZ-160T1U		CZ-160T1U		CZ-160T1U		CZ-160T1U	
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	11,900 (3,000 – 11,900)		17,600 (4,600 – 17,600)		11,900 (3,600 – 11,900)		17,600 (4,600 – 17,600)	
	Heating	Btu/h	---		---		13,600 (3,000 – 13,600)		20,400 (4,400 – 20,400)	
Moisture Removal	High	Pints/H	4.2/h		6.8/h		4.2/h		6.8/h	
Dry Air Flow	Hi / Med / Low	CFM	330 / 306 / 196		341 / 196 / 252		330 / 306 / 196		341 / 196 / 252	
SEER	Cooling	Btu/Wh	16		16		16		16	
EER	Cooling	Btu/Wh	9.4		9.47		9.4		9.4	
HSPF	Heating	Btu/Wh	---		---		8.5		8.5	
Power Supply	V, Phase, Hz		115V, Single phase, 60Hz		208 / 230V, Single phase, 60Hz		115V, Single phase, 60Hz		208 / 230V, Single phase, 60Hz	
Running Amps	Cooling	A	12.4 (2.5–12.4)		8.3 (1.2–8.3)		12.4 (2.5–12.4)		8.3 (1.2–8.3)	
	Heating	A	---		---		14.4 (2.5–14.4)		10.5 (1.2–10.5)	
Power Input	Cooling	W	1,360 (250–1,360)		1,860 (250–1,860)		1,360 (250–1,360)		1,860 (250–1,860)	
	Heating	W	---		---		1,440 (250–1,440)		2,260 (270–2,260)	
Fuse or Circuit Breaker Capacity		A	20		20		20		20	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control (for Cooling)			Equipped		Equipped		Equipped		Equipped	
Wireless Remote Controller			Included		Included		Included		Included	
Wired Remote Controller(optional)			CZ-RD514U		CZ-RD514U		CZ-RD514U		CZ-RD514U	
Fan Speeds			Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto	
Timer			1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM	
Air Deflection	Horizontal		---		---		---		---	
	Vertical		Automatic		Automatic		Microprocessor		Automatic	
Air Filter			Washable		Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A		R-410A	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	Hi/Me / Me / Lo	dB-A	34 / 32 / 30		44 / 40 / 34		34 / 32 / 30		44 / 40 / 34	
	Outdoor Unit	dB-A	47		47		51		51	
Refrigerant Piping (Cooling)	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	1/4"		1/4"		1/4"		1/4"	
	Suction	inches	3/8"		1/2"		3/8"		1/2"	
Refrigerant Pipe Length		Ft.	65		98		65		98	
Elevation Difference*	Outdoor Above	Ft.	23		98		23		98	
	Outdoor Below	Ft.	23		98		23		98	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	12-5/16"	21-9/16"	12-5/16"	34-3/8"	12-5/16"	21-9/16"	12-5/16"	34-3/8"
Width		inches	34-19/32"	28-11/32"	24-19/32"	34-21/32"	34-19/32"	28-11/32"	24-19/32"	34-21/32"
Depth		inches	34-19/32"	10-17/64"	24-19/32"	11-7/32"	34-19/32"	10-17/64"	24-19/32"	11-7/32"
Net Weight		Lbs.	41.3	75.0	41.3	90.4	41.3	75.0	41.3	97.0

Ceiling - Recessed			Air Conditioners						Heat Pumps					
Model No.			25PSU1UN		36PSU1UN		42PSU1UN		25PEU1UN		36PEU1UN		42PEU1UN	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			S-25PU1UN	U-25PS1UN	S-36PU1UN	U-36PS1UN	S-42PU1UN	U-42PS1UN	S-25PU1UN	U-25PE1UN	S-36PU1UN	U-36PE1UN	S-42PU1UN	U-42PE1UN
Grille Assembly			CZ-2ARPU1U		CZ-3ARPU1U		CZ-3ARPU1U		CZ-2ARPU1U		CZ-3ARPU1U		CZ-3ARPU1U	
Performance & Electrical Ratings														
Capacity	Cooling	Btu/h	24,000 (9,600 – 24,000)		32,400 (9,600 – 32,400)		39,600 (9,600 – 39,600)		24,000 (9,600 – 24,000)		32,400 (9,600 – 32,400)		39,600 (9,600 – 39,600)	
	Heating	Btu/h	---		---		---		29,000 (8,000 – 29,000)		37,600 (8,000 – 37,600)		48,000 (8,000 – 48,000)	
Moisture Removal	High	Pints/H	8.1		10.4		12.6		8.1		10.4		12.6	
Dry Air Flow	Hi / Med / Low	CFM	710 / 530 / 450		1,050 / 840 / 720		1,050 / 840 / 720		710 / 530 / 450		1,050 / 840 / 720		1,350 / 840 / 720	
SEER	Cooling		14.7		14.6		14.6		14.7		14.6		14.6	
EER	Cooling		8.5		8.1		8.2		8.5		8.1		8.2	
HSPF	Heating		---		---		---		9.6		8.4		9.2	
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60	
Running Amps	Cooling	A	16.6 / 17.3		18.7 / 20.7		23.0 / 25.6		15.6 / 17.3		18.7 / 20.7		23.0 / 25.6	
	Heating	A	---		---		---		14.8 / 16.4		15.8 / 17.6		22.6 / 24.8	
Power Input	Cooling	W	2,930 / 2,930		3,960 / 3,960		4,620 / 4,620		2,930 / 2,930		3,960 / 3,960		4,620 / 4,620	
	Heating	W	---		---		---		2,790 / 2,790		3,360 / 3,360		4,360 / 4,360	
Fuse or Circuit Breaker Capacity		A	15 / 30		15 / 35		15 / 40		15 / 30		15 / 35		15 / 40	
Features														
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control (for Cooling)			Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F	
Wireless Remote Controller (optional)			CZ-RWSU3, CZ-RWSC1U		CZ-RWSU3, CZ-RWSC1U		CZ-RWSU3, CZ-RWSC1U		CZ-RWSU3, CZ-RWSC1U		CZ-RWSU3, CZ-RWSC1U		CZ-RWSU3, CZ-RWSC1U	
Wired Remote Controller(Included)			CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2	
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		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		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events	
Air Deflection	Horizontal		---		---		---		---		---		---	
	Vertical		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Air Filter			Washable		Washable		Washable		Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A		R-410A		R-410A		R-410A	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	Hi/Me / Me / Lo	dB-A	38 / 35 / 31		44 / 37 / 33		45 / 38 / 34		38 / 35 / 31		44 / 37 / 33		45 / 38 / 34	
	Outdoor Unit	dB-A	49		52		53		49		52		53	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare		Flare		Flare	
	Discharge	inches	3/8"		3/8"		3/8"		3/8"		3/8"		3/8"	
	Suction	inches	5/8"		5/8"		5/8"		5/8"		5/8"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 165		Max. 165		Max. 165		Max. 165		Max. 165	
Elevation Difference*	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100		Max. 100		Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50		Max. 50		Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	13-9/16"	30-23/32"	14-37/64"	38-23/32"	14-37/64"	48-7/16"	13-9/16"	30-23/32"	14-37/64"	38-23/32"	14-37/64"	48-7/16"
Width		inches	33-55/64"	37"	45-9/32"	37"	45-9/32"	37"	33-55/64"	37"	45-9/32"	37"	45-9/32"	37"
Depth		inches	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"
Net Weight		Lbs.	49.0	128.0	68.0	143.0	68.0	228.0	49.0	128.0	68.0	143.0	68.0	228.0

* 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 Duct Air Conditioners and Heat Pumps

26PSF1U6 **26PEF1U6**

Indoor Unit
S-26PF1U6
Supplies are 8" dia

Outdoor Unit
U-26PS1U6
U-26PE1U6

Wired Remote Controller
(CZ-RTC2)
(Included)

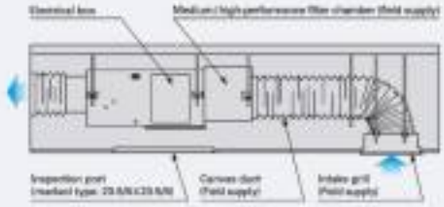
36PSF1U6 **36PEF1U6**

Indoor Unit
S-36PF1U6
Supplies are 8" dia

Outdoor Unit
U-36PS1U6
U-36PE1U6

Wired Remote Controller
(CZ-RTC2)
(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										
			Air Conditioners				Heat Pumps			
Model No.			**26PSF1U6**		**36PSF1U6**		**26PEF1U6**		**36PEF1U6**	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			S-26PF1U6	U-26PS1U6	S-36PF1U6	U-36PS1U6	S-26PF1U6	U-26PE1U6	S-36PF1U6	U-36PE1U6
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	24,000 (9,500 ~ 24,800)		31,200 (9,500 ~ 31,200)		24,000 (9,500 ~ 24,000)		31,200 (9,500 ~ 31,200)	
	Heating	Btu/h	---		---		28,600 (8,800 ~ 28,600)		36,200 (8,000 ~ 36,200)	
Moisture Removal	High	Pints/H	7.7		10.8		7.7		10.8	
Dry Air Flow	Hi / Med / Low	CFM	670 / 530 / 440		1,060 / 920 / 750		670 / 530 / 440		1,060 / 920 / 750	
SEER	Cooling		14.0		13.9		14.0		13.9	
EER	Cooling		9.1		7.8		9.1		7.8	
HSPF	Heating		---		---		9.0		8.5	
Power Supply	V, Phase, Hz		230 / 208, 1Ph, 60Hz		230 / 208, 1Ph, 60Hz		230 / 208, 1Ph, 60Hz		230 / 208, 1Ph, 60Hz	
Running Amps	Cooling	A	13.6 / 15.0		18.6 / 20.6		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		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		0.20		0.24	
Fuse or Circuit Breaker Capacity		A	15 / 30		15 / 35		15 / 30		15 / 35	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Built-in 0°F		Built-in 0°F		Built-in 0°F		Built-in 0°F	
Wireless Remote Controller (optional)			CZ-RWSU2U, CZ-RWSC1U		CZ-RWSA2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U	
Wired Remote Controller (included)			CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2	
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer			7 Days/5 Events		7 Days/4 Events		7 Days/5 Events		7 Days/5 Events	
Air Deflection	Horizontal		---		---		---		---	
	Vertical		---		---		---		---	
Air Filter			---		---		---		---	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	Hi(H) / Me / Lo	dB-A	34 / 30 / 27		38 / 33 / 31		34 / 30 / 27		38 / 33 / 31	
	Outdoor(Hi)	dB-A	49		52		49		52	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	3/8"		3/8"		3/8"		3/8"	
	Suction	inches	5/8"		5/8"		5/8"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 165		Max. 165		Max. 165	
Elevation Difference**	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	12-7/32"	30-23/32"	12-7/32"	38-23/32"	12-7/32"	38-23/32"	12-7/32"	30-23/32"
Width		inches	39-3/8"	37"	58-9/32"	37"	39-3/8"	37"	58-9/32"	37"
Depth		inches	24-13/16"	13-3/8"	24-13/16"	13-3/8"	24-13/16"	13-3/8"	24-13/16"	13-3/8"
Net Weight		Lbs.	71.0	128.0	104.0	143.0	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 Reducer
CZ-MA1P

Locking Bracket for Remote Control
RCS5PS4B
RCS4MHVB
RCPTC110B

Wired Remote Controller
CZ-RD516C

Timer Remote Controller
CZ-RTC2

Replacement Anti-microbial Filter
CZ-SA20P

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

Wired Remote
CZ-RD515U

System Controller
CZ-64ESMC1U

H.V.A.C. Accessories		
Model No.	**Description**	**Use With**
DL04866815	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 15'	S9NKU-1, S12NKU-1, S9NKUA, S12NKUA, KS12NB41A, E9NKUA, E12NKUA, KE12NB41, CU-2S18NBU-1,CU-2E18NBUU, CU-3KS19NBU, CU-4KS24NBU, CU-4KS31NBU, CU-3KE19NBU, CU-4KE24NBU, CU-4KE31NBU,CS-MKS7NKU, CS-MKS9NKU, CS-MKS12NKU, CS-MKE7NKU, CS-MKE9NKU, CS-MKE12NKU, EXSPUKA
DL04866820	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 20'	
DL04866835	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 35'	
DL04388815	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 15'	S18NKU-1, KS18NB4U, S18NKUA, KS18NB4UA, E18NKUA, KE18NKU, KE18NB4U, CU-3KS19NBU,CU-4KS24NBU, CU-4KS31NBU, CU-3KE19NBU, CU-4KE24NBU, CU-4KE31NBU, CS-MKS18NKU, CS-MKE18NKU,S12NKU-1, S12NKUA, U12PKUA
DL04388820	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 20'	
DL04388835	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'	KS24NKUA, KE24NKU, CU-4KS24NBU, CU-4KS31NBU, CU-4KE24NBU, CU-4KE31NBU, CS-MKS24NKU, CS-MKE24NKU
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 Remote Controller	All 26,000 Through 42,000 BTU/h Models except 30 & 36
RCS4MHVB	Locking Bracket for Wireless Remote Controller	All KS,KE,MKS & MKE Models
RCPTC110B	Locking Bracket for Wireless Remote Controller	All S/E9,12,18,22,24 Models
RSA80	Mounting Bracket for Outdoor Unit	CU-8E19PKUA, CU-3E12PKUA, CU-S9NKU-1, CU-S12NKU-1,CU-S18NKU-1, CU-S22NKU-1, CU-S9NKUA, CU-S12NKUA, CU-S18NKUA, CU-S24NKUA, CU-KS30NKUA, CU-KS36NKUA, CU-KS12NK1A, CU-KS18NK1A,U-36PS1UA, U-36PS1U6, U-42PS1U6, CU-E9NKUA, CU-E12NKUA, CU-E18NKUA, CU-E24NKUA, CU-KE30NKU, CU-KE36NKU, CU-KE12NK1, CU-KE18NKU, U-26PE1U6, U-36PE1UA, U-42PE1U6, CU-2S18NBU-1, CU-3KS19NBU, CU-4KS24NBU, CU-4KS31NBU, CU-2E18NBU, CU-3KE19NBU,CU-4KE24NBU,CU-4KE31NBU
SI-30-120	Condensate Pump	All 115 volt Models
SI-30-230	Condensate Pump	All 208/230 volt Models
CZ-RE2C2	Simple Wired Remote	All 26,000 Through 42,000 BTU/h Models
CZ-RELC2	Simple Wired Remote with Backlight	
CZ-RD515U	Wired Remote Controller	All KS,KE,MKS & MKE Models
CZ-RD516C	Wired Remote Controller	XE9PKUA, XE12PKUA, S9NKUA, S12NKUA, S18NKUA, S24NKUA, E9NKUA, E12NKUA, E18NKUA, E24NKUA
CZ-RCS15U	Wire Kit	PCB Wire Kit for CZ-RD515U - Required For Use With All KS&KE Models except 30 / 36
CZ-RCS15UA	Wire Kit	PCB Wire Kit for CZ-RD515U, CS-KS30NKU, CS-KS36NKU, CS-KE30NKU, CS-KE36NKU
CZ-RTC2	Wired Timer Remote Controller	All 26,000 Through 42,000 BTU/h Models except 30 & 36
CZ-RWSK1U	Wireless Remote Controller	S-26PK1U6 / S-36PK1U6
CZ-RWSU2U	Wireless Remote Controller	S-26/36/42PT1UA, S-26/36/42PU1U6
CZ-RWSC1U	Wireless Remote Controller	S-26/36PE1U6
CZ-64ESMC1U	System Controller	All 26,000 Through 42,000 BTU/h Models except 30 & 36
CZ-MA1P	Tube size Reducer	CS-S12NKUW-1,CS-E12NKUAW (for connection with CU-2S18NBU-1 / CU-2E18NBU)
CZ-SA20P	Replacement Anti-microbial Filter	CS-S9NKUA, S12NKUA, S9NKUW-1, S12NKUW-1, CS-S18NKU, CS-S22NKU, CS-S18NKU-1, CS-S22NKU-1, CS-E9NKUAW, CS-E12NKUAW, CS-E18NKUA, CS-E24NKUA
WINDB-1	Wind Baffle	All models

Remote Controller Options for Models 26,000 Btu's and Larger

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

Simplified Remote Controller

CZ-RE2C2

CZ-RELC2 (with Backlight)

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)

Timer Remote Controller

CZ-RTC2

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.)

System Controller

CZ-64ESMC1U

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
 K1-series CZ-RWSK1U	**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.  CZ-RWSU2U	**External type** • Separate type signal receiving unit.  CZ-RWSC1U

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/Mid./Lo/Auto)		●	● (Individual)
	Auto flap	Auto airflow direction setting	●	●
		Arbitrary airflow direction setting	●	●*
	Sweep (Flap swing)		●	●*
	Sensor temp. display		●	×
	Self-diagnostic function		●	●
System	Control control (at hand inhibited)		×	●
	Group control		● (Up to 8 units)	● (Up to 64 groups)
	Concurrent use with weekly timer		●	●
Setting Range	Cooling, dry	(°F)	66 – 86	
	Heating	(°F)	61 – 79	

●: Controllable
×: Uncontrollable

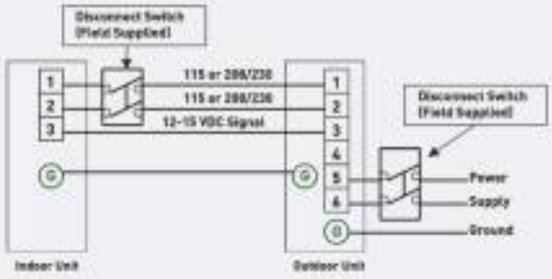
Note:
If you use both remote controller and system controller concurrently, both controllers can be used on a last-signal priority basis.

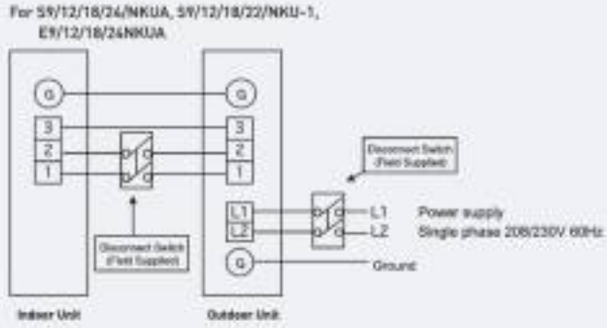
Benefits

- Highest efficiency in the industry with a SEER rating of up to 28.5 as of March 2013*.
- Inverter Driven variable speed rotary compressor.
- Precise compressor speed to match the building needs.
- Quiet operation.
- Designed to run longer periods at reduced speeds to improve dehumidification with local codes on wire size.
- Quick and easy installation of indoor and outdoor units.
- Wired and wireless remote controllers available at option (Except for some models).
- Single Point Power Supply reduces installation costs (Comply with local codes on wire size).
- **7 Year compressor warranty and 5 year parts warranty.**

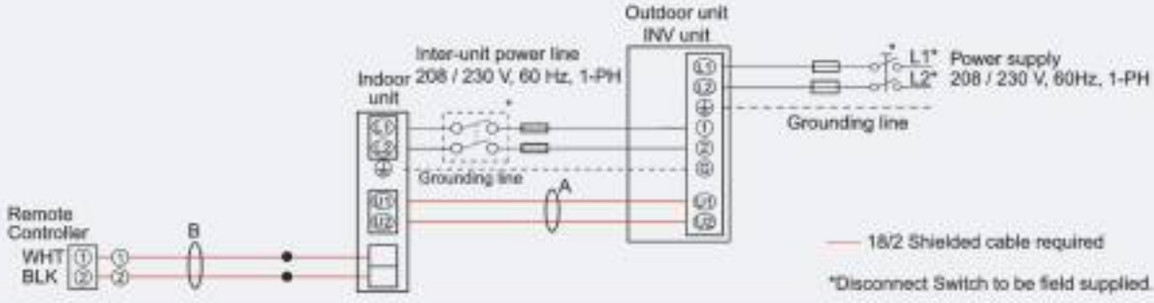
*CS/CU-XE9PKUA as of March 2013

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

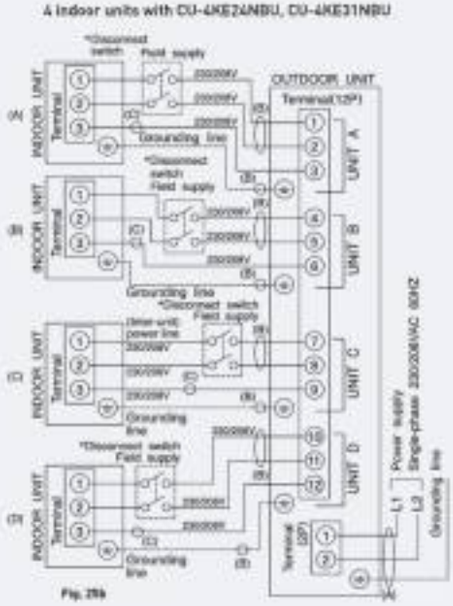


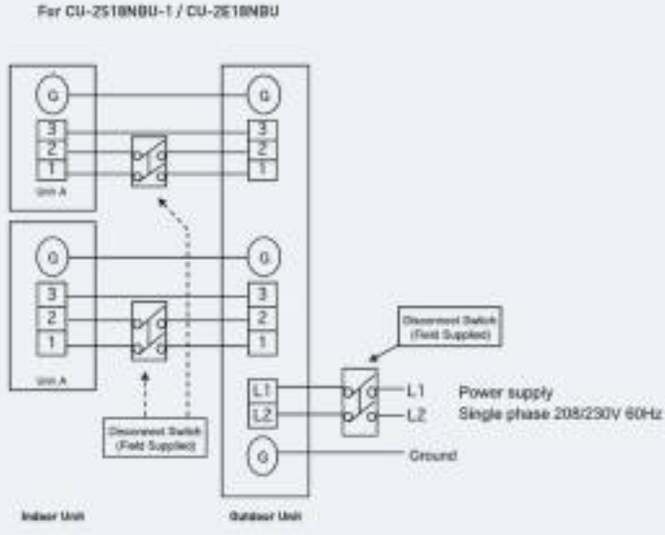


26,000 - 42,000 Btu/h single zone wiring schematic (Except KS30/36NKUA, KE30/36NKU)



RAC Multi wiring schematic (example shown is with 4 indoor units)





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

Operation Range

Cooling Models (5R/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	68°F DB / 52°F WB	60°F DB / 52°F WB

Low Ambient Cooling Models (5R/12/18/24NKUA)

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB
	Minimum	68°F DB / 52°F WB	0°F DB(-18°C) / 5°F DB (-15°C)

Cooling Models above 24,000 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 KS36/36NKUA

	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 / 52°F WB	14°F WB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-°F WB / -°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	68°F DB / 52°F WB	0°F DB / -°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	68°F DB / 52°F WB	0°F DB(-18°C) / 5°F DB (-15°C)
Heating	Maximum	86°F DB / -°F WB	75°F DB / 64°F WB
	Minimum	68°F DB / -°F WB	5°F DB / -5°F WB

Heat Pump Models above 24,000 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
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 60°F WB
	Minimum	-°F DB / -°F WB	0°F DB

Heat Pump Models KE36/36NKU

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 52°F WB	14°F DB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-°F DB / -°F WB	0°F DB

Sanyo to Panasonic Cross Reference

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

PAC Outdoor 2types / 10models

Category		Capacity Btu/h	Model No.	Model No.
PAC-I (Split)	H/P	36	CR36TJB	U-36PE1U6
		36	CR36TJB	U-36PE1U6
		42	CR42TJB	U-42PE1U6
		30	CU30UZ	CU-4E30NBU
		36	CU36UZ	CU-4E36NBU
	C/O	36	CS36TJB	U-36PS1U6
		36	CS36TJB	U-36PS1U6
		42	CS42TJB	U-42PS1U6
		30	CS30UZ	CU-4S30NBU
		36	CS36UZ	CU-4S36NBU

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

Category		Capacity Btu/h	Model No.	Model No.
4-Way Cassette	H/P	36	XHW36TJB	S-36PE1U6
		36	XHW36TJB	S-36PE1U6
		42	XHW42TJB	S-42PE1U6
		Panel	PNR-UH2U42	CZ-24KPU1U
		Panel	PNR-UH3U42	CZ-36KPU1U
Wall Mount	H/P	36	KHS36TJB	S-36PK1U6
Wall Mount	C/O	36	KS30UZ	CS-4S30NBU
		42	KS36UZ	CS-4S36NBU
	H/P	30	KHS30UZ	CS-4E30NBU
		36	KHS36UZ	CS-4E36NBU
Ceiling Suspended	H/P	36	TWA36TJB	S-36PT1U6
		36	TWA36TJB	S-36PT1U6
		42	TWA42TJB	S-42PT1U6
Duct	H/P	36	UHW36TJB	S-36PF1U6
		36	UHW36TJB	S-36PF1U6

RAC (37models)

Category		Capacity (Btu/h	Model No.	Model No.
Mini Cassette	Inv C/O	12	KSE12TJ	CS-KS12NKU
		Panel	PNR-0S1UTZ	CZ-10ET1U
Outdoor Unit		12	CL12TJ	CU-KS12NKUA
		18	CL18TZ	CU-KS18NKU
		18	CL18TZ	CU-KS18NKUA
		24	CL24TZ	CU-KS24NKU
		24	CL24TZ	CU-KS24NKUA
Mini Cassette	Inv H/P	12	KHS12TJ	CS-KE12NKU
		18	KHS18TZ	CS-KE18NKUW
		Panel	PNR-0S1UTZ	CZ-10ET1U
Outdoor Unit		12	CH12TJ	CU-KE12NKU
Wall Mount	Fixed Multi C/O	7	KMS07TZ	CS-MKS7NKU
		9	KMS09TZ	CS-MKS9NKU
		12	KMS12TZ	CS-MKS12NKU
		18	KMS18TZ	CS-MKS18NKU
		24	KMS24TZ	CS-MKS24NKU
Mini Cassette		9	XMS09TZ	CS-MKS9NB4U
		12	XMS12TZ	CS-MKS12NB4U
		Panel	PNR-0S1UTZ	CZ-10ET1U
Outdoor Unit		19	CM1973A	CU-3KS19NBU
		24	CM2473A	CU-4KS24NBU
		31	CM3173A	CU-4KS31NBU
Wall Mount	Fixed Multi H/P	7	KMH07TZ	CS-MKE7NKU
		9	KMH09TZ	CS-MKE9NKU
		12	KMH12TZ	CS-MKE12NKU
		18	KMH18TZ	CS-MKE18NKU
		24	KMH24TZ	CS-MKE24NKU
Mini Cassette		9	XMH09TZ	CS-MKE9NB4U
		12	XMH12TZ	CS-MKE12NB4U
		Panel	PNR-0S1UTZ	CZ-10ET1U
Outdoor Unit		19	CMH19TZA	CU-3KE19NBU
		24	CMH24TZA	CU-4KE24NBU
		31	CMH31TZA	CU-4KE31NBU

Controllers

Category		Model No.	Model No.
Wireless RC	Common	RCS-KH80AAB.WL	CZ-RWSC1U
	4-Way	RCS-SH80AAB.WL	CZ-RWSU1U
	Wall Mount	RCS-SH1AAB	CZ-RWSK1U
System Controller		SRA-RC64BE	CZ-64ESMC1U
Simple Remote		RCS-KR1EE	CZ-RECC2
Simple Wired RC		NEW	CZ-RECC2
Wireless RC	U1/T1 Series	RCS-SH80BA.WL	CZ-RWSU2U
Wired Kit		STK-KCW1	CZ-RCS15U
		STK-KCW2	CZ-RCS19UA
Wired RC		STK-RCS-TTW10BA	CZ-RCS15U

Accessories

Category		Model No.	Model No.
Fresh Air Intake	4-Way	CMH-0S30EU	CZ-24BC01U
	4-Way	CMH-0S41eU	CZ-42BC01U
Outdoor Bracket		STK-KSB1050	85688
		STK-KSB1050	85688

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

Tubing Sizes, Lengths and Elevation Differences, Refrigerant Charge Adjustment and Insulation Chart

SYSTEM MODEL	OD Tube Size (Inches)		Maximum length (ft) of tubing between In/Outdoor	Maximum Elevation difference (ft) between In/Outdoor		Maximum Length(ft) of Tubing at shipment	Required Additional Refrigerant Oz/ft	Insulation
	Narrow	Wide		Outdoor Above	Outdoor Below			
S9NKU-1	1/4"	3/8"	49'	16'	16'	25'	R-410A 0.2	Both Tubes
S9NKUA			66'	49'	49'			
XE9PKUA								
E9NKUA								
KS12NB41A				23'	23'		R-410A 0.16	
KE12NB41								
S12NKU-1		1/2"	49'	16'	16'		R-410A 0.2	
S12NKUA			66'	49'	49'			
XE12PKUA								
E12NKUA								
S18NKU-1						16'		
S18NKUA			180'					
E18NKUA								
KS18NKUA				50'	50'	25'	R-410A 0.27	
KS18NB4UA								
KE18NB4U								
S22NKU-1		5/8"	66'	49'	49'	16'	R-410A 0.2	
S24NKUA			131'					
E24NKUA			180'			33'		
26PSK1U6	3/8"	5/8"	165'	100'	50'	100'	R-410A 0.43	
26PST1U6								
26PSU1U6								
26PSF1U6								
26PEK1U6								
26PET1U6								
26PEU1U6								
26PEF1U6								
KS30NKUA							R-410A 0.27	
KE30NKU								
KS36NKUA								
KE36NKU								
36PST1U6							R-410A 0.43	
36PSU1U6								
36PSF1U6								
36PET1U6								
36PEU1U6								
36PEF1U6								
42PST1U6								
42PSU1U6								
42PET1U6								
42PEU1U6								
CU-2S18NBU-1	1/4"	3/8"	82'	49'	49'	25'	R-410A 0.2	
CU-2E18NBU								
CU-3KS18NBU				50'	50'	150'	R-410A 0.22	
CU-3KE19NBU								
CU-4KS24NBU		3/8"x3, 1/2"x1						
CU-4KE24NBU								
CU-4KS31NBU		3/8"x2, 1/2"x2	180'					
CU-4KE31NBU								

Model code

RAC

Indoor Unit

1	2		3	4	5	6	7	8	9
C	S	–		S	18	N	K	U	-1

Outdoor Unit

1	2		3	4	5	6	7	8	9
C	U	–		S	18	N	K	U	-1

Set

3	4	5	6	7	8	9
	S	18	N	K	U	-1

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 X/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 BA : 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

1	2		3	4	5	6
S	–	26	P	U	1	U6

Outdoor Unit

1	2		3	4	5	6
U	–	36	P	S	1	U6

Set

2	3	4	5	6
26	P	S	1	U6

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	1A : 208/230V 60Hz
U : Outdoor Unit			S : Cooling Only H : Heat Pump		

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Environmental Management System Certificate — Certified to ISO 14001:2004

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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.

September 2013