



Panasonic



AIR CONDITIONING and HEAT PUMP PRODUCTS

 INVERTER



May 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.		1998	Introduced GAS Heater Air Conditioner 14KGS11
1961	Started exports of Home Coolers		2001	Introduced first VRF "ECO-Multi" to USA
1965	Launched Room Coolers		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)
1968	Began development of Rotary Compressors Later, their high efficiency and high quality attracted domestic and overseas air conditioner manufacturers. Began external sales.		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.
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.		2006	Renewed ECO-Multi to ECO-i. revised the line-up to inverter driven Aggregated global production of Panasonic compressors reached 200 million units
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		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
1985	Began development of Scroll Compressors Began development of scroll compressors, offering high efficiency, low noise, and low vibration in comparison to rotary compressors.		2009	Established air conditioner dedicated sales company in Europe (PHAAE) Panasonic HA Air-Conditioning Europe (PHAAE) strengthened the commercial air conditioning business.
1989	Introduced Simultaneous Heat & Cool VRF		2011	Integration of Sanyo HVAC USA into Panasonic Corporation of North America.
1990	Launched world's first Compact Scroll Compressor-equipped Air Conditioner		2013	Celebrating the 30th anniversary of marketing in the USA.
1992	Developed industry's smallest outdoor air conditioning unit: "Chi-size"			 Serving the US Ductless market since 1983
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			



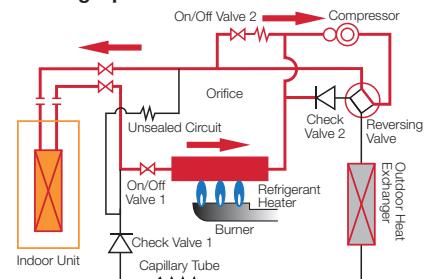
Technological Topics

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.

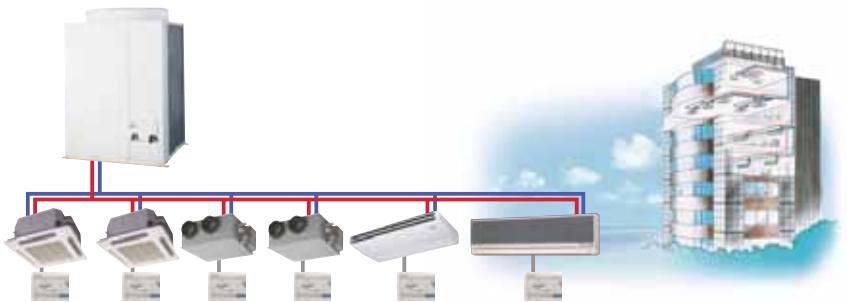


Heating Operation Schematic



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
MODEL (System)	XE12PKUA E9NKUA	XE9PKUA, E12NKUA KE12NB41	E18NKUA KE18NB4U	E24NKUA	26PEK1U6, 26PET1U6 26PEU1U6, 26PEF1U6	KE30NKU	KE36NKU, 36PET1U6 36PEU1U6, 36PEF1U6	42PET1U6 42PEU1U6	
Low Ambient Type HEAT PUMP WITHOUT HEATER	EXTERIOS Wall Mounted	 CS-XE9PKUA CU-XE9PKUA	 CS-XE12PKUA CU-XE12PKUA						
	Wall Mounted	 CS-E9NKUAW CU-E9NKUA	 CS-E12NKUAW CU-E12NKUA	 CS-E18NKUA CU-E18NKUA	 CS-E24NKUA CU-E24NKUA	 CS-KE30NKU CU-KE30NKU	 CS-KE36NKU CU-KE36NKU		
	Wall Mounted								
	Ceiling Suspended						 S-36PT1U6	 S-42PT1U6	
	Ceiling Recessed						 S-36PU1U6	 S-42PU1U6	
	Concealed Duct						 S-36PF1U6		
	Outdoor		 CU-KE12NK1	 CU-KE18NKU	 U-26PE1U6		 U-36PE1U6	 U-42PE1U6	

COOLING ONLY MODELS / STANDARD TYPE

	Btu/h	9,000	12,000	18,000	22,000
MODEL (System)	S9NKU-1	S12NKU-1	S18NKU-1, KS18NKU KS18NB4U	S22NKU-1	
Standard Type AIR CONDITIONER	Wall Mounted	 CS-S9NKUW-1	 CS-S12NKUW-1	 CS-S18NKU-1	 CS-S22NKU-1
		 CU-S9NKU-1	 CU-S12NKU-1	 CU-S18NKU-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
MODEL (System)	S9NKUA	S12NKUA KS12NB41A	S18NKUA KS18NB4UA	S24NKUA	26PSK1U6, 26PST1U6 26PSU1U6, 26PSF1U6	KS30NKUA	KS36NKUA, 36PST1U6 36PSU1U6, 36PSF1U6	42PST1U6 42PSU1U6	
Low Ambient Type AIR CONDITIONER	Wall Mounted								
	Wall Mounted								
	Ceiling Suspended								
	Ceiling Recessed								
	Concealed Duct								
	Outdoor								

MULTI ZONE MODELS

AIR CONDITIONER	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	
	Indoor Unit	Wall Mounted							
Outdoor Unit	Ceiling Recessed								
	Btu/h		18,000	19,000		24,000		31,000	
Outdoor Unit	Outdoor								

HEAT PUMP	Btu/h	9,000	12,000	7,000	9,000	12,000	18,000	24,000	
	Indoor Unit	Wall Mounted							
	Indoor Unit	Ceiling Recessed							
Outdoor Unit	Btu/h		18,000	19,000		24,000		31,000	
	Outdoor								

Model Feature Chart

OP: Option

Features Chart/Explanation

		HEAT PUMPS							STANDARD	LOW-AMBIENT AIR CONDITIONERS							
	Wall Mounted	XE9PKUA XE12PKUA	E9NKUA E12NKUA E18NKUA E24NKUA	KE30NKU KE36NKU		26PEK1U6			S9NKU-1 S12NKU-1 S18NKU-1 S22NKU-1	S9NKUA S12NKUA S18NKUA S24NKUA	KS30NKUA KS36NKUA		26PSK1U6				
	Ceiling Suspended						26PET1U6 36PET1U6 42PET1U6							26PST1U6 36PST1U6 42PST1U6			
	Ceiling Recessed				KE12NB41 KE18NB4U			26PEU1U6 36PEU1U6 42PEU1U6					KS12NB41A KS18NB4UA			26PSU1U6 36PSU1U6 42PSU1U6	
	Concealed Duct								26PEF1U6 36PEF1U6							26PSF1U6 36PSF1U6	
	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 Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	5 Fan Speeds and Automatic Fan Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Air Sweep Control	●	●	●	●	●	●	●	●	-	●	●	●	●	●	●	-
	Louver Control	●	●	●	●	●	●	●	●	-	●	●	●	●	●	●	-
	Automatic Heating and Cooling Changeover	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-
	Night Setback Mode for Cooling and Heating	-	-	-	●	-	-	-	-	-	-	-	●	●	-	-	-
	Hot Start Heating System	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-
	24-Hour Clock with ON/OFF Program Timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	1-Hour OFF Timer	-	-	●	●	-	-	-	-	-	-	-	●	●	-	-	-
	Weekly Timer	-	-	-	-	-	OP	●	●	●	-	-	-	-	OP	●	●
	System Controller	-	-	-	-	-	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	-	-	-	●	-	-	●	●	-	-	-	●	-	●	●	●
	Built-In Drain Pump	-	-	-	●	-	-	●	●	-	-	-	●	-	-	●	●
	Low Ambient Operation	●	●	●	-	●	●	●	●	-	●	●	●	●	●	●	●
	Electric Expansion Valve	●	●	●	●	●	●	●	●	[S18/22]	●	●	●	●	●	●	●
	ODP=0 Refrigerant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Quiet Mode	●	●	●	●	-	-	-	-	●	●	●	●	-	-	-	-
	Anti-microbial Filter	-	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-
	Blue Fin Condenser	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-

* Field Supplied

Features



ECONAVI

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



Room Freeze Protection*

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

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



Microprocessor-Controlled Operation

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



Wireless Remote Control

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



Dry Mode

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



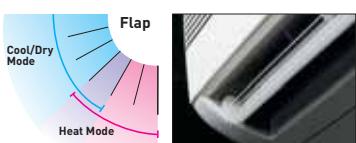
5 Fan Speeds and Automatic Fan Operation

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



Air Sweep Control

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



Louver Control

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



Automatic Heating and Cooling Changeover

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



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

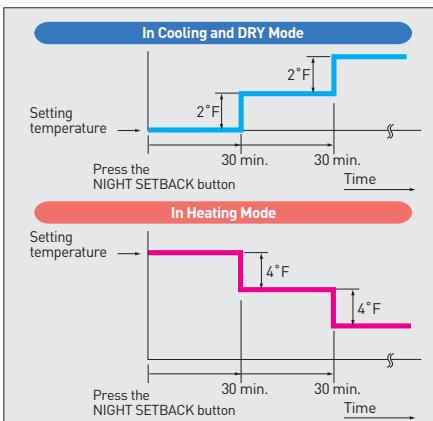
The remote control unit allows you to set a wide variety of timer-based operations. Such functions include automatic ON/OFF with a timer setting, same time ON/OFF every day, ON timer, OFF timer and Combination timer.



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.



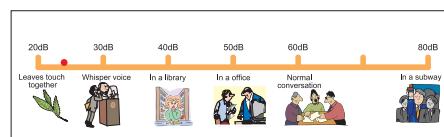
Electric Refrigerant Control Valve

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

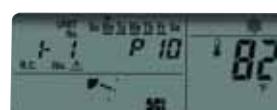


(Example of CZ-RTC2)



Self-Diagnosing Function

Units are equipped with Self-Diagnosing Function (methods are different 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

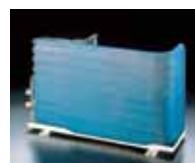
Anti-microbial Filter by 3M. This filter is treated to inhibit the growth of mold and mildew, and helps create clean air.

Test Comparison

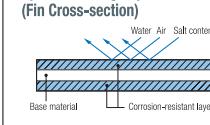
	Microbial Growth Rating	
	7 days	28 days
Anti-microbialFilter	No growth	No growth
Normal Filter Paper	60% growth	60% growth



Blue Fin Condenser



Special Coating Layer (Fin Cross-section)



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.



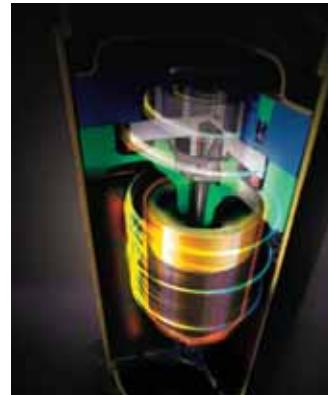
Advanced Inverter Technology— Less Energy and More Comfort



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.

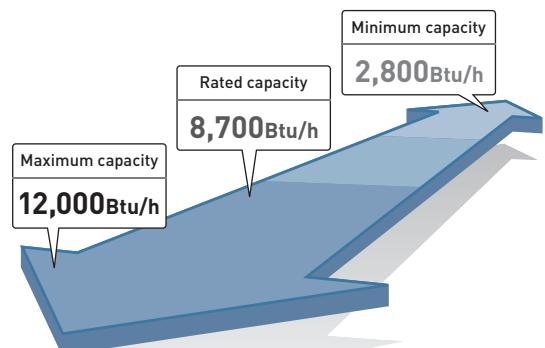
Quick Cooling (Heating)

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

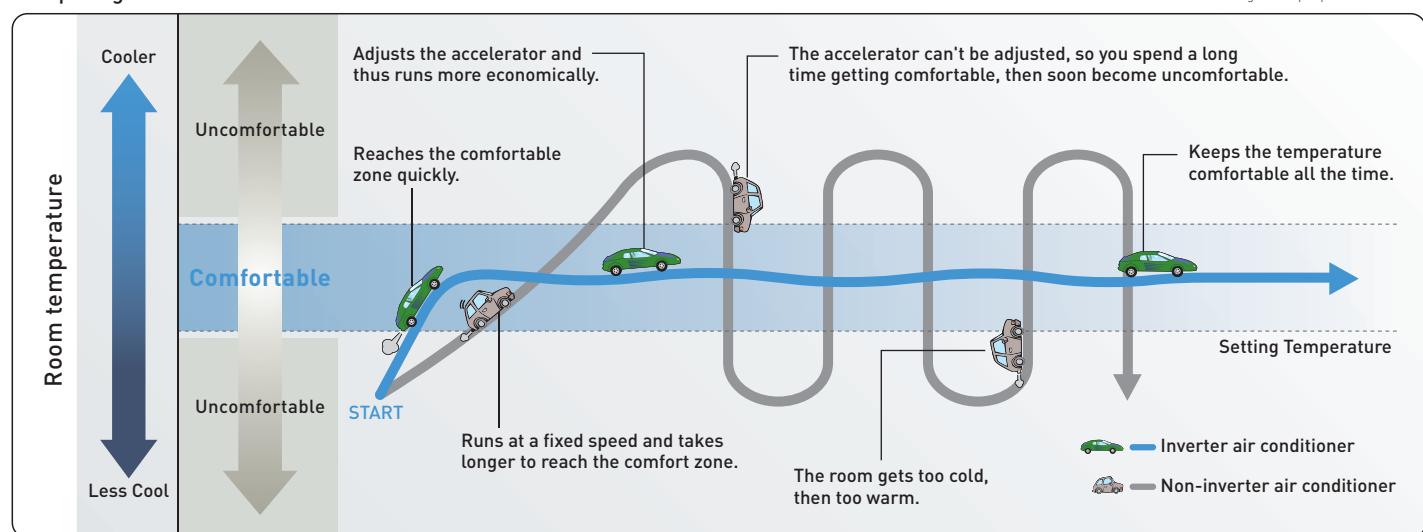


The graph shows XE9PKUA's wide power output range during cooling.

■ The Advantages of Inverter Control

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

*Image of output power fluctuation



ECONAVI with Intelligent Eco Sensors

ECONAVI

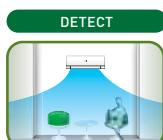
Panasonic has employed ECONAVI (Human Detection Technology) in its air conditioners. Since 2007 and has perfected the feature since its launch. Panasonic is now introducing ECONAVI air conditioner to the US market.

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 area search mode uses sensors that can detect activity in the room and direct cooling to the occupied area. 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.



No one is in the room.
Detects absence.



Gradually modulates cooling power by setting the new target temperature [set temp +4°F]

Area Search

ECONAVI detects changes in human movements and direct the cooling to the occupied area to avoid the cooling in unoccupied area of the room.



Only one person in the room.



Reduces the loss of cooling in the unoccupied area of the room.

Activity Detection

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

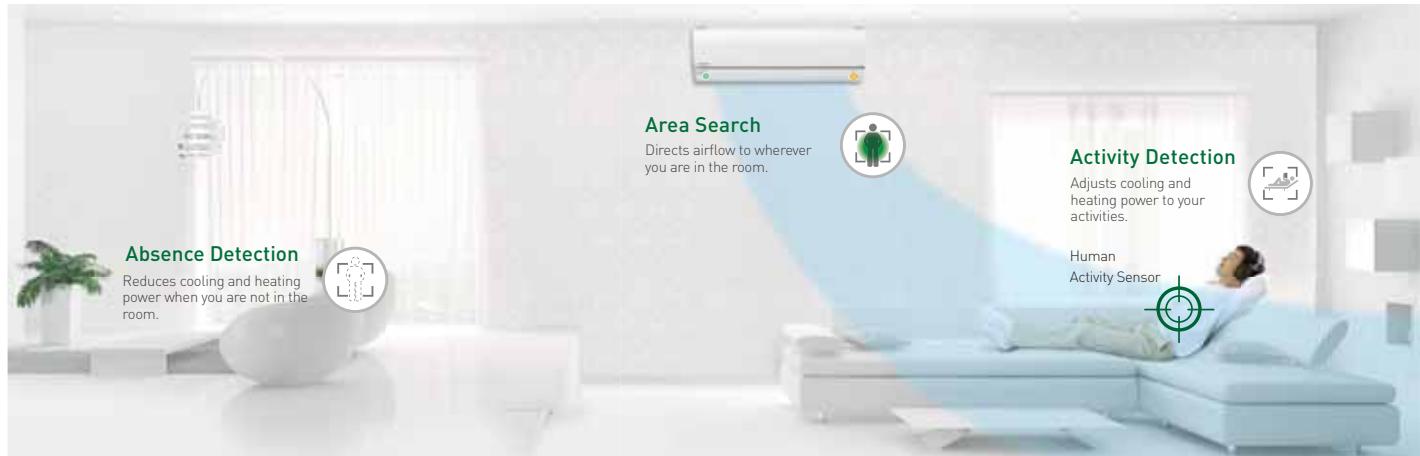


Level of activity is decreased. Detects low activity.

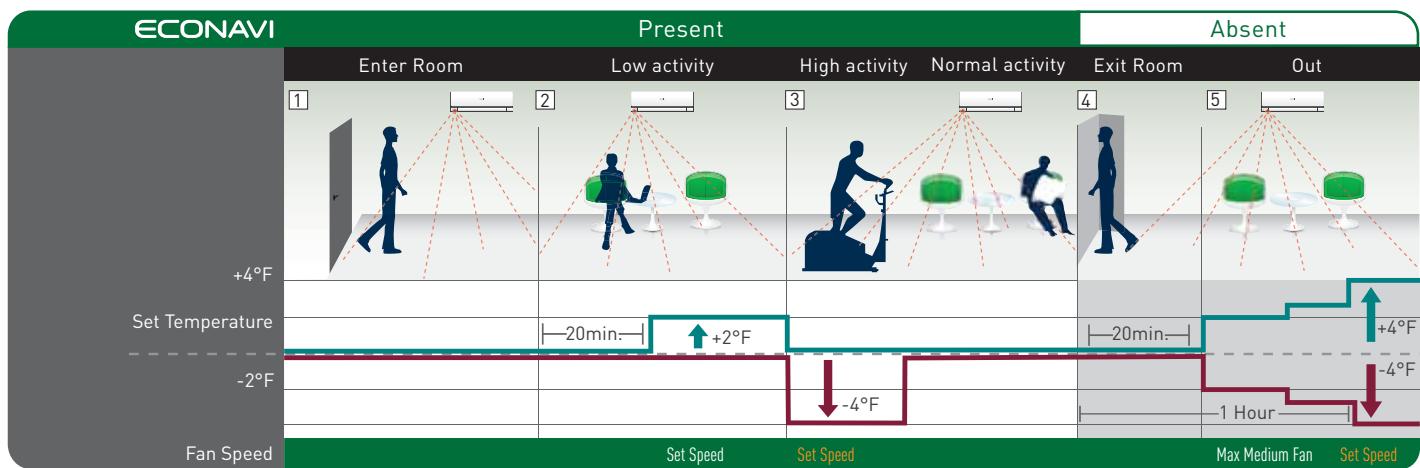


Reduces cooling power by setting new target temperature [set temp +2°F]

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



■ How Does ECONAVI Human Activity Work?

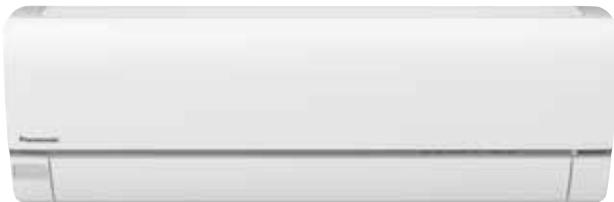


Wall-Mounted Heat Pumps

XE9PKUA / XE12PKUA

EXTERIOS

NEW



Indoor Unit
CS-XE9PKUA / CS-XE12PKUA



Outdoor Unit
CU-XE9PKUA / CU-XE12PKUA



Wireless
Remote
Controller



Wired
Remote
Controller
(CZ-RD516C)
(Optional)



(optional)

Wall Mounted Heat Pumps					
Model No.	XE9PKUA			XE12PKUA	
Unit Model No.	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	
Performance & Electrical Ratings					
Capacity	Cooling Btu/h	8,700(2,800~12,000)			11,500(2,800~14,000)
	Heating Btu/h	12,000(3,000~18,000) [10,600 at 17°F]			13,800(3,000~23,000) [13,500 at 17°F]
Moisture Removal	High Pints/H	1.3			2.3
Dry Air Flow	High CFM	405			530
SEER	Cooling	28.5			25.5
EER	Cooling	16.1			14.35
HSPF	Heating	12.5			12.0
Power Supply	V, Phase, Hz	230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz
Running Amps	Cooling A	2.9/2.8			3.8/4.2
	Heating A	4.0/4.5			5.2/5.8
Power Input	Cooling W	540(150~850)			800(150~1,050)
	Heating W	860(150~1,850)			1,150(150~2,100)
Back-up Heater	kW	---			---
Fuse or Circuit Breaker	Capacity A	15			20
Features					
Controls	Microprocessor			Microprocessor	
Low Ambient Control	Equipped			Equipped	
Wireless 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	In(Hi / Lo / O-Lo) dB-A	42 / 25 / 20		45 / 28 / 20	
	Outdoor(Hi) dB-A	48		49	
Refrigerant Piping	Type	Flare		Flare	
	Discharge inches	1/4"		1/4"	
	Suction inches	3/8"		1/2"	
Refrigerant Pipe Length	Ft.	Max. 66		Max. 66	
Elevation Difference*	Outdoor Above Ft.	Max. 49		Max. 49	
	Outdoor Below Ft.	Max. 49		Max. 49	
Dimensions & Weight					
Height	inches	11-5/8"	Outdoor Unit	11-5/8"	Outdoor Unit
Width	inches	34-9/32"		34-9/32"	
Depth	inches	10-1/16"	Indoor Unit	10-1/16"	Indoor Unit
Net Weight	Lbs.	24	Air Sweep	97	Louver
			Self Diagnose		Auto Change over
			5 Fan speeds		Night setback
			Wired Control		Hot Start
			Room Freeze Protection		24H timer PROGRAM
			ECO NAVI		

* 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						
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	8,500(4,100-10,200)		12,000(4,100-13,300)		17,100(5,800-19,800)		24,000(5,800-27,200)
	Heating	Btu/h	11,200(4,100-14,100)		13,800(4,100-16,300)		20,400(5,800-20,800)		28,800(5,800-29,200)
Moisture Removal	High	Pints/H	1.3		2.5		3.0		7.6
Dry Air Flow	High	CFM	395		425		650		650
SEER	Cooling		21.0		20.0		18.0		17.5
EER	Cooling		13.1		12.0		13.2		10.2
HSPF	Heating		10.5		10.6		8.5		8.5
Power Supply	V, Phase, Hz		230/208V, 1PH, 60Hz						
Running Amps	Cooling	A	3.1(-7)		4.7(-7.8)		6.30 / 7.20		10.80 / 11.90
	Heating	A	5.4(-7)		5.8(-7.8)		7.50 / 8.60		11.40 / 12.60
Power Input	Cooling	W	650(250-850)		1,000(250-1,150)		1,300(300-1,600)		2,350(430-2,720)
	Heating	W	1,150(200-1,500)		1,300(200-1,710)		1,600(380-1,650)		2,500(380-2,660)
Back-up Heater	kW	---	---		---		---		---
Fuse or Circuit Breaker Capacity	A	15		15		20		20	
Features									
Controls		Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control		Equipped		Equipped		Equipped		Equipped	
Wireless Controller		Included		Included		Included		Included	
Wired Remote Controller(optional)		CZ-RD516C		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	In(Hi / Me / Lo / Qt)	dB-A	40 / 25 / 20		43 / 28 / 20		47/39/36		48/40/37
	Outdoor(Hi)	dB-A	47		48		49		51
Refrigerant Piping	Type		Flare		Flare		Flare		Flare
	Discharge	inches	1/4"		1/4"		1/4"		1/4"
	Suction	inches	3/8"		1/2"		1/2"		5/8"
Refrigerant Pipe Length	ft.		Max. 66		Max. 66		Max. 100		Max. 100
Elevation Difference*	Outdoor Above	ft.	Max. 49		Max. 49		Max. 49		Max. 49
	Outdoor Below	ft.	Max. 49		Max. 49		Max. 49		Max. 49
Dimensions & Weight									
Height	inches	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	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
CZ-RTC2
(optional)



KE30NKU / KE36NKU



Indoor Unit
CS-KE30NKU / CS-KE36NKU



Outdoor Unit
CU-KE30NKU / CU-KE36NKU



Wireless
Remote
Controller
CZ-RD515U
(optional)



Wall Mounted Heat Pumps							
Model No.		26PEK1U6		KE30NKU		KE36NKU	
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Performance & Electrical Ratings							
Capacity	Cooling	Btu/h	25,200 (9,500~25,200)	30,600 (10,900~30,600)	34,000 (10,900~34,000)		
	Heating	Btu/h	29,200 (8,000~29,200)	33,000 (14,000~33,000)	36,000 (14,000~36,000)		
Moisture Removal	High	Pints/H	8.1	9.57	10.64		
Dry Air Flow	Hi / Med / Low	CFM	559 / 475 / 390	630 / 530 / 412	630 / 530 / 412		
SEER	Cooling		14.9	16	16		
EER	Cooling		8.9	9.3	8.5		
HSPF	Heating		10.2	9.0	9.0		
Power Supply	V, Phase, Hz		230V / 208V, 1PH, 60Hz	230 / 208V, 1PH, 60Hz	230 / 208V, 1PH, 60Hz		
Running Amps	Cooling	A	15.3 / 16.9	16.5 (5 ~ 16.5) / 18.0	20 (5 ~ 20) / 21.9		
	Heating	A	14.0 / 15.5	15.3 (4.5 ~ 15.3) / 16.3	18.2 (4.5 ~ 18.2) / 19.9		
Power Input	Cooling	W	2,840 / 2,840	3,290	4,000		
	Heating	W	2,620 / 2,620	3,070	3,650		
Back-up Heater	kW		---	---	---		
Fuse or Circuit Breaker Capacity	A		15	30	35	45	
Features							
Controls			Microprocessor	Microprocessor	Microprocessor		
Low Ambient Control			Built-in 0°F	Built-in 0°F	Built-in 0°F		
Wireless Remote Controller			Included	Included	Included		
Wired Remote Controller (optional)			CZ-RTC2	CZ-RD515U & CZ-RC515UA	CZ-RD515U & CZ-RC515UA		
Fan Speeds			3 and Automatic Control / Variable	Hi / Me / Lo & Auto	Hi / Me / Lo & Auto		
Timer			24-hr Program	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 / Qt)	dB-A	41 / 37 / 34	49 / 44 / 39	49 / 44 / 39		
	Outdoor(Hi)	dB-A	49	55	55		
Refrigerant Piping	Type		Flare	Flare	Flare		
	Discharge	inches	3/8"	3/8"	3/8"		
	Suction	inches	5/8"	5/8"	5/8"		
Refrigerant Pipe Length	Ft.		Max. 165	Max. 164	Max. 164		
Elevation Difference*	Outdoor Above	Ft.	Max. 100	Max. 100	Max. 100		
	Outdoor Below	Ft.	Max. 50	Max. 50	Max. 50		
Dimensions & Weight							
Height	inches	Indoor Unit	12-63/64"	30-23/32"	11-3/16"	11-3/16"	
Width	inches		44-7/8"	37"	41-15/16"	41-15/16"	
Depth	inches		8-31/32"	13-3/8"	9-1/16"	9-1/16"	
Net Weight	Lbs.		40.0	128.0	32.0	32.0	
					185.0	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

S18NKU-1 / S22NKU-1



Indoor Unit

CS-S18NKU-1 / CS-S22NKU-1



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



Wireless
Remote
Controller



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



Wireless
Remote
Controller



[S18/22 only]

Wall Mounted Air Conditioners								
Model No.	S9NKU-1		S12NKU-1		S18NKU-1		S22NKU-1	
	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
	CS-S9NKUW-1	CU-S9NKU-1	CS-S12NKUW-1	CU-S12NKU-1	CS-S18NKU-1	CU-S18NKU-1	CS-S22NKU-1	CU-S22NKU-1
Performance & Electrical Ratings								
Capacity	Cooling Btu/h	8,500(4,100-10,200)		11,900(4,100-13,100)		17,100(4,400-19,800)	21,000(4,400-23,400)	
	Heating Btu/h	---		---		---	---	
Moisture Removal	High Pints/H	1.3		2.3		3.6	6.1	
Dry Air Flow	High CFM	400		425		650	650	
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)(-5.4)		7.5(-9)	10(-10.8)	
	Heating A	---		---		---	---	
Power Input	Cooling W	700(250-900)		1,000(250-1,150)		1650(250-1950)	2250(250-2,550)	
	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	Automatic	Automatic	
	Vertical	Automatic	Automatic	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	In(Hi / Lo / Q-Lo) Outdoor(Hi)	dB-A	40 / 25 / 20	43 / 28 / 20	47 / 39 / 36	47 / 39 / 36	47 / 39 / 36	47 / 39 / 36
	dB-A		47	48	47	50		
Refrigerant Piping	Type	Flare	Flare	Flare	Flare	Flare	Flare	Flare
	Discharge inches	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Suction inches	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"
Refrigerant Pipe Length	ft.	Max. 49	Max. 49	Max. 49	Max. 66	Max. 66	Max. 66	Max. 66
Elevation Difference*	Outdoor Above ft.	Max. 16	Max. 16	Max. 16	Max. 49	Max. 49	Max. 49	Max. 49
	Outdoor Below ft.	Max. 16	Max. 16	Max. 16	Max. 49	Max. 49	Max. 49	Max. 49
Dimensions & Weight								
Height	inches	11-7/16"	21-9/32"	11-7/16"	21-9/32"	11-7/16"	31-5/16"	31-5/16"
Width	inches	34-9/32"	30-23/32"	34-9/32"	30-23/32"	34-5/32"	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"
Net Weight	Lbs.	20.0	82.0	20.0	82.0	26.0	115.0	26.0

* 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

S18NKUA / S24NKUA



Indoor Unit

CS-S18NKUA / CS-S24NKUA



Outdoor Unit
CU-S9NKUA /
CU-S12NKUA



Wireless
Remote
Controller



Wired Remote
Controller
CZ-RD516C
(optional)



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(5,800-19,800)		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	395		425		650		---
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)		4.7/5.2(-6.8)		6.30/7.20		10.75/11.90
	Heating A	---		---		---		---
Power Input	Cooling W	650(250-850)		1,000(250-1,150)		1,300(430-1,600)		2,350(430-2,720)
	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	Automatic	Manual	Automatic	Automatic	Automatic	Automatic
	Vertical	Automatic		Automatic		Automatic		Automatic
Air Filter	Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter	
Refrigerant	R-410A		R-410A		R-410A		R-410A	
Refrigerant control	Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Lo / O-Lo) Outdoor(Hi) dB-A	40 / 25 / 20 47		43 / 28 / 20 48		47/39/36 ---		48/40/37 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. 1.00		Max. 1.31
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	
Height	inches	11-7/16"		21-9/32"		21-9/32"		31-5/16"
Width	inches	34-9/32"		30-23/32"		30-23/32"		42-5/32"
Depth	inches	8-1/16"		11-13/32"		8-1/16"		9-9/32"
Net Weight	Lbs.	20.0		82.0		20.0		132.0
	5 Fan speeds		Air Sweep		Louver		Auto Change over	
	ECONAVI		Room Freeze Protection		Self Diagnose		Night Setback	
	Micro-processor Control		Wireless Control		Wired Control		Hot Start	
	DRY		24H timer		24H		24hr timer	

* 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
(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) (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
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	559 / 475 / 390	630 / 530 / 412	630 / 530 / 412		
SEER	Cooling		14.9	16.0	16.0		
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	16.5 / 18	20 / 21.9		
	Heating	A	---	---	---		
Power Input	Cooling	W	2,840 / 2,840	3,290	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-RC515UA	CZ-RD515U & CZ-RC515UA		
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	In(Hi / Me / Lo / Qt)	dB-A	48 / 42 / 38	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							
Height	inches	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	
		12-63/64"	30-23/32"	11-3/16"	35-13/16"	11-3/16"	
Width	inches					35-13/16"	
		44-7/8"	37"	41-15/16"	37-1/3"	41-15/16"	
Depth	inches	8-31/32"	13-3/8"	9-1/16"	13-3/8"	9-1/16"	
Net Weight	Lbs.	40.0	128.0	32	183	32	
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.)							

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



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		850	
Capacity	Cooling	Btu/h	9,600
Moisture Removal		Pints/H	1.1
Unit Dimensions (HxWxD)		inch	
Net Weight		9.0	
Air Circulation (High)	Cooling	CFM	400
Operating Sound (H/L)		Cooling	40 / 25 / 20
Heating		dB-A	43 / 23 / 20
Refrigerant Tube Diameter		Narrow Tube	1/4"
Wide Tube		inch	3/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 49
Outdoor Below		Ft.	Max. 49

Heat Pump			
Model No.		CS-E9NKUAW	CS-E12NKUAW
Power Source		230V / 208V, 1PH, 60Hz	
Running Ampere	A	4.1 / 4.5	4.7 / 5.2
Power Input		850 / 1,150	
Capacity	Cooling	Btu/h	9,600
Heating		Btu/h	13,700
Moisture Removal		Pints/H	1.1
Unit Dimensions (HxWxD)		inch	
Net Weight		9.0	
Air Circulation (High)	Cooling	CFM	395
Heating		CFM	430
Operating Sound		Cooling	40 / 25 / 20
Heating		dB-A	42 / 29 / 26
Refrigerant Tube Diameter		Narrow Tube	1/4"
Wide Tube		inch	3/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 49
Outdoor Below		Ft.	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		---			8.8			
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 Wide Tube	inch	1/4"		1/4"		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

		Cooling Capacity(BTU/h)				Input Power (W)		Current, 208V (A)	Current, 230V (A)	Moisture Removal Volume pt/h
Indoor unit combinations		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 ~ 12,800	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	7,100 ~ 20,000	1,450	390 ~ 1920	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 ~ 20,000	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 ~ 20,000	1,450	390 ~ 1,840	7.6	6.9	1.3 + 1.3

CU-2E18NBU-Heating

		Heating Capacity(BTU/h)				Input Power (W)		Current, 208V (A)	Current, 230V (A)	Moisture Removal Volume pt/h
Indoor unit combinations		Room A	Room B	Total	min ~ max	Rating	min ~ max			
1 Room	CS-E9NKUAW	13,700	---	13,700	6,400 ~ 15,700	1,150	440 ~ 1,450	5.9	5.4	---
	CS-E12NKUAW	15,300	---	15,300	6,500 ~ 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 ~ 2,310	9.0	8.1	---
	CS-E9NKUAW + CS-E12NKUAW*	9,400	10,800	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 CZ-MA1P 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-MKE7NKU / CS-MKE9NKU / CS-MKE12NKU

CS-MKS18NKU / CS-MKS24NKU

CS-MKE18NKU / CS-MKE24NKU



Wireless Remote Controller
(Included)
with each indoor



Wired Remote Controller
CZ-RD515U
(optional)



(optional)

Indoor Unit: Wall Mounted Type

Model No.	Cooling Only				
	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	0.20 / 0.22
Power Input	W	25	35	35	45
Capacity	Cooling	Btu/h	7,500	9,000	11,900
Moisture Removal	High	Pints/H	2.77	3.40	4.26
Unit Dimensions (HxWxD)	inch	11"-7/32" x 32"-15/32" x 7"-7/16"			11"-23/32" x 41"-15/16" x 8"-19/32"
Net Weight	Lbs.	19.8	19.8	19.8	26.5
Air Circulation (H.M.L.)	Cooling	CFM	241 / 224 / 212	259 / 241 / 212	282 / 259 / 218
Operating Sound (H/L)	Cooling	dB-A	33 / 23	34 / 23	36 / 25
	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

Model No.	Heat Pump					
	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
	Heating	Btu/h	8,500	12,200	14,300	20,400
Moisture Removal	High	Pints/H	2.77	3.40	4.26	4.89
Unit Dimensions (HxWxD)	inch	11"-7/32" x 32"-15/32" x 7"-7/16"			11"-23/32" x 41"-15/16" x 8"-19/32"	
Net Weight	Lbs.	19.8	19.8	19.8	26.5	
Air Circulation (H.M.L.)	Cooling	CFM	241 / 224 / 212	259 / 249 / 212	282 / 257 / 218	
	Heating	CFM	271 / 241 / 218	282 / 271 / 218	294 / 271 / 218	
Hi / Me / Lo / Qt	Cooling	dB-A	33 / 30 / 27 / 23	34 / 31 / 28 / 23	36 / 33 / 29 / 25	
Operating Sound	Heating	dB-A	33 / 30 / 27 / 23	34 / 31 / 28 / 23	34 / 31 / 29 / 25	
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 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

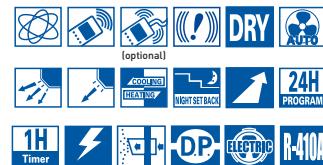
CS-MKE9NB4U / CS-MKE12NB4U / CS-KE18NB4UW



Wireless Remote Controller
[Included]
with each indoor



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



Indoor Unit: Ceiling Recessed Type

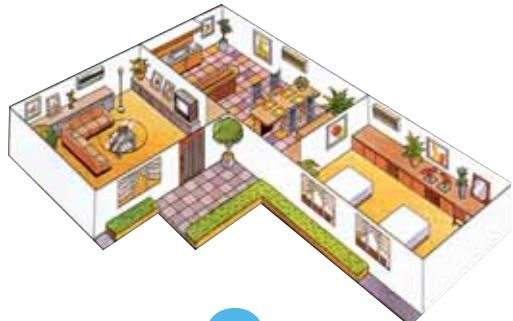
Cooling Only				
Model No.	CS-MKS9NB4U		CS-MKS12NB4U	CS-KS18NB4UW
Grille Assemblie			CZ-18BT1U	
Power Source			230V / 208V, 1 PH, 60 Hz	
Running Ampere	A	0.10 / 0.11	0.11 / 0.12	0.15 / 0.16
Power Input	W	16	17	22
Capacity	Cooling	Btu/h	9,000	11,900
Moisture Removal	High	Pints/H	3.4	4.26
Unit Dimensions (HxWxD)			12.5"-16" x 24"-19/32" x 24"-19/32"	17,500
Net Weight			41.3	4.89
Air Circulation (H.M.L)	Cooling	CFM	221 / 206 / 194	235 / 206 / 194
Operating Sound (H/L)	Cooling	dB-A	33 / 32 / 31	34 / 32 / 31
	Heating	dB-A	---	---
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"
	Wide Tube	inch	3/8"	3/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50
	Outdoor Below	Ft.	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
	Heating	Btu/h	12,300	13,600
Moisture Removal	High	Pints/H	3.4	4.26
Unit Dimensions (HxWxD)			12.5"-16" x 24"-19/32" x 24"-19/32"	17,500
Net Weight			41.3	4.89
Air Circulation (H.M.L)	Cooling	CFM	221 / 206 / 194	235 / 206 / 194
	Heating	CFM	247 / 235 / 224	268 / 247 / 224
Operating Sound(H/L)	Cooling	dB-A	33 / 32 / 31	34 / 32 / 31
	Heating	dB-A	34 / 33 / 32	35 / 34 / 32
Refrigerant Tube Diameter	Narrow Tube	inch	1/4"	1/4"
	Wide Tube	inch	3/8"	3/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50

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

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 CFM	High	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		---		8.8	
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 1b.	R-410A / 6.17			R-410A / 6.17	
Refrigerant Control	Electric Expansion Valve			Electric Expansion Valve	
Operation Sound Hi dB-A		50		50	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		143.0	

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-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								
Capacity	Btu/h	24,200	22,400	27,200	29,000 / 28,600	29,000 / 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	2,300	
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	1b.	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			Total Performance			HEATING			Total Performance		
		Room A	Room B	Room C	Capacity	(Min.)	(Max.)	Room A	Room B	Room C	Capacity	(Min.)	(Max.)
2-room Operation	7,500 + 7,500	= 15,000	7,500	7,500	15,000	(6,800 - 17,400)		8,500	8,500		17,000	(6,800 - 21,800)	
	7,500 + 9,000	= 16,500	7,500	9,000	16,500	(6,800 - 18,600)		8,525	12,275		20,800	(7,100 - 24,800)	
	7,500 + 11,900	= 19,400	6,727	10,673	17,400	(6,800 - 18,600)		8,358	14,042		22,400	(7,100 - 24,800)	
	7,500 + 17,500	= 25,000	5,520	12,880	18,400	(7,100 - 18,600)		7,000	16,800		23,800	(8,100 - 24,800)	
	9,000 + 9,000	= 18,000	8,500	8,500	17,000	(6,800 - 18,600)		11,600	11,600		23,200	(7,800 - 24,800)	
	9,000 + 11,900	= 20,900	7,622	10,078	17,700	(7,100 - 18,600)		10,800	12,600		23,400	(7,800 - 24,800)	
	9,000 + 17,500	= 26,500	6,317	12,283	18,600	(7,100 - 18,600)		9,075	15,125		24,200	(8,100 - 24,800)	
	11,900 + 11,900	= 23,800	9,200	9,200	18,400	(6,800 - 18,600)		11,900	11,900		23,800	(7,800 - 24,800)	
	11,900 + 17,500	= 29,400	7,529	11,071	18,600	(7,100 - 18,600)		10,129	14,471		24,600	(8,100 - 24,800)	
	7,500 + 7,500 + 7,500	= 22,500	6,000	6,000	6,000	18,000 (8,500 - 18,600)		7,800	7,800	7,800	23,400	(9,200 - 24,800)	
3-room Operation	7,500 + 7,500 + 9,000	= 24,000	5,750	5,750	6,900	18,400 (9,800 - 18,600)		6,919	6,919	9,963	23,800	(10,200 - 24,800)	
	7,500 + 7,500 + 11,900	= 26,900	5,186	5,186	8,228	18,600 (9,800 - 18,600)		6,576	6,578	11,048	24,200	(10,900 - 24,800)	
	7,500 + 7,500 + 17,500	= 32,500	4,292	4,292	10,015	18,600 (9,800 - 18,600)		5,636	5,636	13,527	24,800	(11,600 - 24,800)	
	7,500 + 9,000 + 9,000	= 25,000	5,471	6,565	6,565	18,600 (9,800 - 18,600)		6,237	8,981	8,981	24,200	(11,600 - 24,800)	
	7,500 + 9,000 + 11,900	= 28,400	4,912	5,894	7,794	18,600 (9,800 - 18,600)		5,971	8,598	10,031	24,600	(11,600 - 24,800)	
	7,500 + 9,000 + 17,500	= 34,000	4,103	4,924	9,574	18,600 (9,800 - 18,600)		5,124	7,379	12,298	24,800	(11,600 - 24,800)	
	7,500 + 11,900 + 11,900	= 31,300	4,457	7,072	7,072	18,600 (9,800 - 18,600)		5,688	9,556	9,556	24,800	(11,600 - 24,800)	
	9,000 + 9,000 + 9,000	= 27,000	6,200	6,200	18,600	(9,800 - 18,600)		8,267	8,267	8,267	24,800	(11,600 - 24,800)	
	9,000 + 9,000 + 11,900	= 29,900	5,599	5,599	7,403	18,600 (9,800 - 18,600)		7,832	7,832	9,137	24,800	(11,600 - 24,800)	
	9,000 + 11,900 + 11,900	= 32,800	5,104	6,748	6,748	18,600 (9,800 - 18,600)		7,440	8,680	8,680	24,800	(11,600 - 24,800)	
	11,900 + 11,900 + 11,900	= 35,700	6,200	6,200	6,200	18,600 (9,800 - 18,600)		8,267	8,267	8,267	24,800	(11,600 - 24,800)	

CU-4KS24NBU/CU-4KE24NBU

	Indoor Unit Combination	Indoor Unit Capacity (BTU/h)												
		COOLING				Total Performance				HEATING				
		Room A	Room B	Room C	Room D	Capacity	(Min.)	(Max.)	Room A	Room B	Room C	Room D	Capacity	(Min.)
2-room Operation	7,500 + 7,500	= 15,000	7,500	7,500		15,000	(6,800 - 17,400)		8,500	8,500		17,000	(6,800 - 21,800)	
	7,500 + 9,000	= 16,500	7,500	9,000		16,500	(6,800 - 19,700)		8,500	12,200		20,800	(7,100 - 25,400)	
	7,500 + 11,900	= 19,400	7,500	11,900		19,400	(6,800 - 22,800)		8,500	14,300		22,800	(7,100 - 28,200)	
	7,500 + 17,500	= 25,000	6,720	15,680		22,400	(7,100 - 23,200)		8,500	20,400		28,200	(8,100 - 29,200)	
	7,500 + 24,200	= 31,700	5,489	17,711		23,200	(7,100 - 23,200)		8,500	29,000		29,200	(8,100 - 29,200)	
	9,000 + 9,000	= 18,000	9,000	9,000		18,000	(6,800 - 21,400)		12,200	12,200		24,400	(7,800 - 29,000)	
	9,000 + 11,900	= 20,900	8,612	11,388		20,000	(6,800 - 23,200)		12,200	14,300		25,800	(7,800 - 29,000)	
	9,000 + 17,500	= 26,500	7,743	15,057		22,800	(7,100 - 23,200)		12,200	20,400		28,600	(8,100 - 29,200)	
	9,000 + 24,200	= 33,200	6,289	16,911		23,200	(7,100 - 23,200)		12,200	29,000		29,200	(8,100 - 29,200)	
	11,900 + 11,900	= 23,800	11,200	11,200		22,400	(6,800 - 23,200)		14,300	14,300		27,200	(7,800 - 29,000)	
3-room Operation	11,900 + 17,500	= 29,400	9,390	13,810		23,200	(7,100 - 23,200)		14,300	20,400		29,000	(8,100 - 29,200)	
	11,900 + 24,200	= 36,100	7,648	15,552		23,200	(7,100 - 23,200)		14,300	29,000		29,200	(8,100 - 29,200)	
	17,500 + 17,500	= 35,000	11,600	11,600		23,200	(7,100 - 23,200)		20,400	20,400		29,200	(8,100 - 29,200)	
	7,500 + 7,500 + 7,500	= 22,500	7,333	7,333	7,333	22,000	(8,500 - 23,200)		8,500	8,500	8,500	25,400	(9,200 - 29,000)	
	7,500 + 7,500 + 9,000	= 24,000	7,000	7,000	8,400	22,400	(9,800 - 23,200)		8,500	8,500	12,200	27,200	(10,200 - 29,200)	
	7,500 + 7,500 + 11,900	= 26,900	6,413	6,413	10,175	23,000	(9,800 - 23,200)		8,500	8,500	14,300	28,200	(10,900 - 29,200)	
	7,500 + 7,500 + 17,500	= 32,500	5,354	5,354	12,492	23,200	(9,800 - 23,200)		8,500	8,500	20,400	29,200	(11,600 - 29,200)	
	7,500 + 9,000 + 9,000	= 25,500	6,706	8,047	8,047	22,800	(9,800 - 23,200)		8,500	12,200	12,200	28,600	(11,600 - 29,200)	
	7,500 + 9,000 + 11,900	= 28,400	6,127	7,352	9,721	23,200	(9,800 - 23,200)		8,500	12,200	14,300	29,000	(11,600 - 29,200)	
	7,500 + 9,000 + 17,500	= 34,000	5,118	6,141	11,941	23,200	(9,800 - 23,200)		8,500	12,200	20,400	29,200	(11,600 - 29,200)	
4-room Operation	7,500 + 11,900 + 11,900	= 31,300	5,559	8,820	8,820	23,200	(9,800 - 23,200)		8,500	14,300	14,300	29,200	(11,600 - 29,200)	
	7,500 + 11,900 + 17,500	= 36,900	4,715	7,482	11,003	23,200	(9,800 - 23,200)		8,500	14,300	20,400	29,200	(11,600 - 29,200)	
	9,000 + 9,000 + 9,000	= 27,000	7,233	7,733	7,733	23,200	(9,800 - 23,200)		12,200	12,200	12,200	29,200	(11,600 - 29,200)	
	9,000 + 9,000 + 11,900	= 29,900	6,983	6,983	9,233	23,200	(9,800 - 23,200)		12,200	12,200	14,300	29,200	(11,600 - 29,200)	
	9,000 + 9,000 + 17,500	= 35,500	5,882	5,882	11,437	23,200	(9,800 - 23,200)		12,200	12,200	20,400	29,200	(11,600 - 29,200)	
	9,000 + 11,900 + 11,900	= 32,800	6,366	8,417	8,417	23,200	(9,800 - 23,200)		12,200	14,300	14,300	29,200	(11,600 - 29,200)	
	9,000 + 11,900 + 17,500	= 38,400	5,438	7,190	10,573	23,200	(9,800 - 23,200)		12,200	14,300	20,400	29,200	(11,600 - 29,200)	
	11,900 + 11,900 + 11,900	= 35,700	7,733	7,733	7,733	23,200	(9,800 - 23,200)		14,300	14,300	14,300	29,200	(11,600 - 29,200)	
	11,900 + 11,900 + 17,500	= 41,300	6,685	6,685	9,831	23,200	(9,800 - 23,200)		14,300	14,300	20,400	29,200	(11,600 - 29,200)	
	7,500 + 7,500 + 7,500 + 7,500	= 30,000	5,800	5,800	5,800	23,200	(9,800 - 23,200)		7,300	7,300	7,300	7,300	29,200	(11,600 - 29,200)
	7,500 + 7,500 + 7,500 + 9,000	= 31,500	5,524	5,524	6,629	23,200	(9,800 - 23,200)		6,952	6,952	6,952	8,343	29,200	(11,600 - 29,200)
4-room Operation	7,500 + 7,500 + 7,500 + 11,900	= 34,400	5,058	5,058	5,058	23,200	(9,800 - 23,200)		6,366	6,366	6,366	10,101	29,200	(11,600 - 29,200)
	7,500 + 7,500 + 7,500 + 17,500	= 40,000	4,350	4,350	4,350	23,200	(9,800 - 23,200)		5,475	5,475	5,475	12,775	29,200	(11,600 - 29,200)
	7,500 + 7,500 + 9,000 + 9,000	= 33,000	5,273	5,273	6,327	23,200	(9,800 - 23,200)		6,636	6,636	7			

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	
2-room Operation	7500 + 7,500 = 15,000	7,500	7,500			15,000	(4,400 - 17,400)		8,500	8,500			17,000	(6,800 - 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 + 11,900 = 19,400	7,500	11,900			19,400	(5,800 - 22,800)		8,500	14,300			22,800	(7,800 - 28,200)
	7500 + 17,500 = 25,000	7,320	17,080			24,400	(7,500 - 26,200)		8,529	20,471			29,000	(10,200 - 32,000)
	7500 + 24,200 = 31,700	6,625	21,375			28,000	(7,800 - 30,000)		6,800	23,200			30,000	(10,200 - 32,000)
	9000 + 9,000 = 18,000	9,000	9,000			18,000	(5,800 - 22,000)		12,200	12,200			24,400	(8,100 - 29,000)
	9000 + 11,900 = 20,900	8,957	11,843			20,800	(6,400 - 25,200)		11,878	13,922			25,800	(8,800 - 29,000)
	9000 + 17,500 = 26,500	8,626	16,774			25,400	(7,800 - 29,000)		11,002	18,398			29,400	(11,200 - 32,000)
	9000 + 24,200 = 33,200	7,861	21,139			29,000	(7,800 - 30,000)		9,061	21,539			30,600	(11,200 - 32,000)
	11900 + 11,900 = 23,800	11,900	11,900			23,800	(7,500 - 28,600)		13,600	13,600			27,200	(9,800 - 29,000)
	11900 + 17,500 = 29,400	10,848	15,952			26,800	(8,800 - 30,000)		12,281	17,519			29,800	(11,600 - 32,000)
	11900 + 24,200 = 36,100	9,625	19,575			29,200	(8,800 - 30,000)		10,238	20,762			31,000	(11,600 - 32,000)
	17500 + 17,500 = 35,000	14,500	14,500			29,000	(8,800 - 30,000)		15,300	15,300			30,600	(11,600 - 32,000)
	17500 + 24,200 = 41,700	12,296	17,004			29,300	(9,200 - 30,000)		13,215	18,785			32,000	(11,600 - 32,000)
3-room Operation	7500 + 7,500 + 7,500 = 22,500	7,467	7,467	7,467		22,400	(6,800 - 26,200)		8,467	8,467	8,467		25,400	(9,200 - 30,600)
	7500 + 7,500 + 9,000 = 24,000	7,500	7,500	9,000		24,000	(7,500 - 26,600)		8,442	8,442	12,116		29,000	(10,200 - 31,200)
	7500 + 7,500 + 11,900 = 26,900	7,082	7,082	11,236		25,400	(8,100 - 26,800)		7,930	7,930	13,341		29,200	(10,900 - 32,000)
	7500 + 7,500 + 17,500 = 32,500	6,600	6,600	15,400		28,600	(9,200 - 30,600)		6,818	6,818	16,364		30,000	(11,600 - 32,000)
	7500 + 7,500 + 24,200 = 39,200	5,587	5,587	18,027		29,200	(9,800 - 30,600)		5,802	5,802	19,796		31,400	(11,600 - 32,000)
	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		29,400	(11,200 - 31,600)
	7500 + 9,000 + 11,900 = 28,400	6,972	8,366	11,062		26,400	(8,800 - 27,600)		7,237	10,387	12,175		29,800	(11,600 - 32,000)
	7500 + 9,000 + 17,500 = 34,000	6,309	7,571	14,721		28,600	(9,800 - 30,600)		6,328	9,083	15,188		30,600	(11,600 - 32,000)
	7500 + 9,000 + 24,200 = 40,700	5,381	6,457	17,362		29,200	(9,800 - 30,600)		5,473	7,855	18,672		32,000	(11,600 - 32,000)
	7500 + 11,900 + 11,900 = 31,300	6,613	10,493	10,493		27,600	(9,200 - 28,600)		6,873	11,563	11,563		30,000	(11,600 - 32,000)
	7500 + 11,900 + 17,500 = 36,900	5,935	9,417	13,848		29,200	(9,800 - 30,600)		6,100	10,262	14,639		31,000	(11,600 - 32,000)
	7500 + 11,900 + 24,200 = 43,600	5,023	7,970	16,207		29,200	(9,800 - 30,600)		5,251	8,834	17,915		32,000	(11,600 - 32,000)
	7500 + 17,500 + 17,500 = 42,500	5,153	12,024	12,024		29,200	(9,800 - 30,600)		5,517	13,241	13,241		32,000	(11,600 - 32,000)
	7500 + 17,500 + 24,200 = 49,200	4,451	10,386	14,363		29,200	(9,800 - 30,600)		4,698	11,275	16,028		32,000	(11,600 - 32,000)
	9000 + 9,000 + 9,000 = 27,000	8,533	8,533	8,533		25,600	(8,500 - 27,200)		10,000	10,000	10,000		30,000	(11,600 - 32,000)
	9000 + 9,000 + 11,900 = 29,900	8,187	8,187	10,825		27,200	(9,200 - 28,200)		9,520	9,520	11,159		30,200	(11,600 - 32,000)
	9000 + 9,000 + 17,500 = 35,500	7,352	7,352	14,296		29,000	(9,800 - 30,600)		8,496	8,496	14,207		31,200	(11,600 - 32,000)
	9000 + 9,000 + 24,200 = 42,200	6,185	6,185	16,630		29,000	(9,800 - 30,600)		7,311	7,311	17,378		32,000	(11,600 - 32,000)
	9000 + 11,900 + 11,900 = 32,800	7,848	10,376	10,376		28,600	(9,200 - 29,200)		9,150	10,725	10,725		30,600	(11,600 - 32,000)
	9000 + 11,900 + 17,500 = 38,400	6,844	9,049	13,307		29,200	(9,800 - 30,600)		8,220	9,635	13,745		31,600	(11,600 - 32,000)
	9000 + 11,900 + 24,200 = 45,100	5,827	7,705	15,668		29,200	(9,800 - 30,600)		7,034	8,245	16,721		32,000	(11,600 - 32,000)
	9000 + 17,500 + 17,500 = 44,000	5,973	11,614	11,614		29,200	(9,800 - 30,600)		7,366	12,317	12,317		32,000	(11,600 - 32,000)
	11900 + 11,900 + 11,900 = 35,700	9,267	9,267	9,267		27,800	(9,800 - 29,000)		10,333	10,333	10,333		31,000	(11,600 - 32,000)
	11900 + 11,900 + 17,500 = 41,300	8,414	8,414	12,373		29,200	(9,800 - 30,600)		9,280	9,280	13,239		31,800	(11,600 - 32,000)
	11900 + 11,900 + 24,200 = 48,000	7,239	7,239	14,722		29,200	(9,800 - 30,600)		7,944	7,944	16,111		32,000	(11,600 - 32,000)
	11900 + 17,500 + 17,500 = 46,900	7,409	10,896	10,896		29,200	(9,800 - 30,600)		8,305	11,848	11,848		32,000	(11,600 - 32,000)
4-room Operation	7500 + 7,500 + 7,500 + 7,500 = 30,000	7,050	7,050	7,050	7,050	28,200	(9,800 - 28,200)		7,400	7,400	7,400	7,400	29,600	(11,600 - 32,000)
	7500 + 7,500 + 7,500 + 9,000 = 31,500	6,905	6,905	6,905	8,286	29,000	(9,800 - 29,000)		6,899	6,899	6,899	9,903	30,600	(11,600 - 32,000)
	7500 + 7,500 + 7,500 + 11,900 = 34,400	6,453	6,453	6,453	10,240	29,600	(9,800 - 29,600)		6,577	6,577	6,577	11,069	30,800	(11,600 - 32,000)
	7500 + 7,500 + 7,500 + 17,500 = 40,000	5,738	5,738	5,738	13,388	30,600	(9,800 - 30,600)		5,815	5,815	5,815	13,956	31,400	(11,600 - 32,000)
	7500 + 7,500 + 7,500 + 24,200 = 46,700	4,914	4,914	4,914	15,857	30,600	(9,800 - 30,600)		4,991	4,991	4,991	17,028	32,000	(11,600 - 32,000)
	7500 + 7,500 + 9,000 + 9,000 = 33,000	6,636	6,636	6,964	7,964	29,200	(9,800 - 29,200)		6,324	6,324	9,076	9,076	30,800	(11,600 - 32,000)
	7500 + 7,500 + 9,000 + 11,900 = 35,900	6,267	6,267	7,521	9,944	30,000	(9,800 - 30,000)		6,097	6,097	8,750	10,257	31,200	(11,600 - 32,000)
	7500 + 7,500 + 9,000 + 17,500 = 41,500	5,530	5,530	6,636	12,904	30,600	(9,800 - 30,600)		5,484	5,484	7,871	13,161	32,000	(11,600 - 32,000)
	7500 + 7,500 + 9,000 + 24,200 = 48,200	4,761	4,761	5,714	15,363	30,600	(9,800 - 30,600)		4,674	4,674	6,708	15,945	32,000	(11,600 - 32,000)
	7500 + 7,500 + 11,900 + 11,900 = 38,800	5,915	5,915	9,385	9,385	30,600	(9,800 - 30,600)		5,816	5,816	9,784	9,784	31,200	(11,600 - 32,000)
	7500 + 7,500 + 11,900 + 17,500 = 44,400	5,169	5,169	8,201	12,061	30,600	(9,800 - 30,600)		5,261	5,261	8,851	12,627	32,000	(11,600 - 32,000)
	7500 + 7,500 + 17,500 + 17,500 = 50,000	4,590	4,590	10,710	10,710	30,600	(9,800 - 30,600)		4,706	4,706	11,294	11,294	32,000	(11,600 - 32,000)
	7500 + 9,000 + 9,000 + 9,000 = 34,500	6,217	7,461	7,461	7,461	28,600	(9,800 - 28,600)		5,880	8,440	8,440	8,440	31,200	(11,600 - 32,000)
	7500 + 9,000 + 9,000 + 11,900 = 37,400	6,136	7,364	7,364	9,736	30,600	(9,800 - 30,600)		5,691	8,168	8,168	9,574	31,600	(11,600 - 32,000)
	7500 + 9,000 + 9,000 + 17,500 = 43,200	5,313	8,429	8,429	10,973	30,600	(9,800 - 30,600)		5,292	8,903	8,903	9,093	32,000	(11,600 - 32,000)
	7500 + 9,000 + 11,900 + 11,900 = 48,800	4,703	7,462	7,462	10,973	30,600	(9,800 - 30,600)		4,730	7,958	7,958	11,353	32,000	(11,600 - 32,000)
	9000 + 9,000 + 9,000 + 9,000 = 36,000	7,650	7,650	7,650	7,650	30,600	(9,800 - 30,600)		8,000	8,000	8,000	8,000	32,000	(11,600 - 32,000)
	9000 + 9,000 + 9,000 + 11,900 = 38,900	7,080	7,080	7,080	9,361	30,600	(9,800 - 3							

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

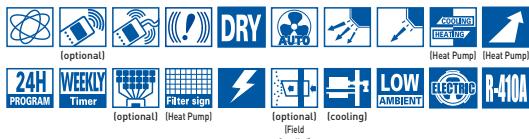


Outdoor Unit
U-42PS1U6 / U-42PE1U6



Wired Remote Controller
(CZ-RTC2)(Included)

Wireless Remote Controller
(optional)



Quiet Operation

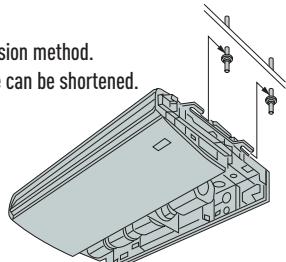
The ceiling-mounted unit is equipped with a highly efficient, multi-blade centrifugal fan that generates a powerful, yet gentle airflow throughout the room.

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.

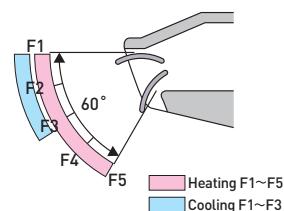


Improved accessibility to electronic components (control box) for serving.



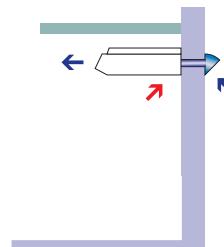
Auto-Louver Function Provides Optimum Airflow During Heating or Cooling Operation

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)		
	Heating	Btu/h	---		---		---		30,800 (8,000-30,800)		37,400 (8,000-37,400)		
Moisture Removal	High	Pints/H	7.7		10.0		12.6		7.7		10.0		
Dry Air Flow	Hi / Med / Low	CFM	550 / 490 / 460		1,100 / 930 / 750		1,130 / 950 / 775		550 / 490 / 460		1,100 / 930 / 750		
SEER	Cooling		14.5		15.1		15.6		14.5		15.1		
EER	Cooling		8.5		8.10		9.4		8.5		8.10		
HSPF	Heating		---		---		---		9.4		8.8		
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		
Running Amps	Cooling	A	15.6 / 17.3		18.2 / 20.1		21.1 / 23.3		15.6 / 17.3		18.2 / 20.1		
	Heating	A	---		---		---		16.4 / 18.1		15.6 / 17.3		
Power Input	Cooling	W	2,880 / 2,880		3,840 / 3,840		4,140 / 4,140		2,880 / 2,880		3,840 / 3,840		
	Heating	W	---		---		---		3,000 / 3,000		3,250 / 3,250		
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-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, 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	In(Hi / Me / Lo)	dB-A	39 / 37 / 33		42 / 40 / 35		44 / 41 / 37		39 / 37 / 33		42 / 40 / 35		
	Outdoor(Hi)	dB-A	49		52		53		49		52		
Refrigerant Piping	Type	Flare		Flare		Flare		Flare		Flare		Flare	
	Discharge	inches	3/8"		3/8"		3/8"		3/8"		3/8"		
	Suction	inches	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										
	Outdoor Below	Ft.	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"	9-7/16"	30-23/32"	9-7/16"	48-7/16"	7-17/32"	30-23/32"	9-7/16"	30-23/32"	9-7/16"	48-7/16"
Width	inches	51-3/16"	37"	62-1/32"	37"	62-1/32"	37"	51-3/16"	37"	62-1/32"	37"	62-1/32"	37"
Depth	inches	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"
Net Weight	Lbs.	57.0	128.0	84.0	143.0	84.0	220.0	57.0	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



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)

Wireless 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



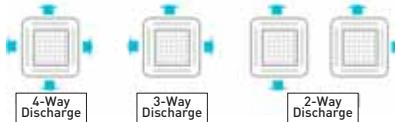
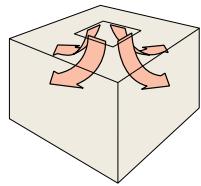
Wired Remote Controller
CZ-RTC2
(Included)

Wireless Remote Controller
(optional)



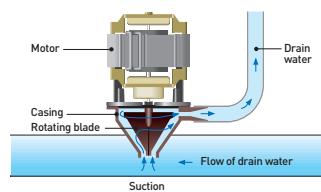
4-Way Airflow Design Sends Cool Air in all Directions

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		KS18NB4UA		KE12NB41		KE18NB4U	
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
		CS-KS12NB41	CU-KS12NK1A	CS-KS18NB4UW	CU-KS18NKUA	CS-KE12NB41	CU-KE12NK1	CS-KE18NB4UW	CU-KE18NKU
Grille Assembly		CZ-18BT1U		CZ-18BT1U		CZ-18BT1U		CZ-18BT1U	
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	11,900 (3,000 ~ 11,900)		17,500 (4,000 ~ 17,500)		11,900 (3,000 ~ 11,900)		17,500 (4,000 ~ 17,500)
	Heating	Btu/h	---		---		13,600 (3,000 ~ 13,600)		20,400 (4,400 ~ 20,400)
Moisture Removal	High	Pints/H	4.26		4.89		4.26		4.89
Dry Air Flow	Hi / Med / Low	CFM	235 / 206 / 194		341 / 294 / 253		235 / 206 / 194		341 / 294 / 253
SEER	Cooling	Btu/Wh	16		16		16		16
EER	Cooling	Btu/Wh	9.4		9.41		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	12.6 (2.5-12.6)		8.3 (1.2-8.3)		12.6 (2.5-12.6)		8.3 (1.2-8.3)
	Heating	A	---		---		14.6 (2.5-14.6)		10.5 (1.3-10.5)
Power Input	Cooling	W	1,260 (250-1,260)		1,860 (250-1,860)		1,260 (250-1,260)		1,860 (250-1,860)
	Heating	W	---		---		1,460 (250-1,460)		2,340 (270-2,340)
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-RD515U		CZ-RD515U		CZ-RD515U		CZ-RD515U	
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	In(Hi / Me / Lo)	dB-A	34 / 32 / 31		44 / 40 / 36		34 / 32 / 31		44 / 40 / 36
	Outdoor(Hi)	dB-A	47		47		51		51
Refrigerant Piping	Type	Flare		Flare		Flare		Flare	
(Cooling)	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		50		23		50
	Outdoor Below	Ft.	23		50		23		50
Dimension & 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"	26-3/8"	12-5/16"	21-9/16"	12-5/16"	26-3/8"
Width	inches	24-19/32"	28-11/32"	24-19/32"	34-21/32"	24-19/32"	28-11/32"	24-19/32"	34-21/32"
Depth	inches	24-19/32"	10-7/16"	24-19/32"	11-7/32"	24-19/32"	10-7/16"	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.		26PSU1U6		36PSU1U6		42PSU1U6		26PEU1U6	
Unit Model No.		Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
		CS-26PU1U6	U-26PSU1U6	S-36PU1U6	U-36PSU1U6	S-42PU1U6	U-42PSU1U6	S-26PU1U6	U-26PEU1U6
Grille Assembly		CZ-24KPU1U		CZ-36KPU1U		CZ-36KPU1U		CZ-36KPU1U	
Performance & Electrical Ratings									
Capacity	Cooling	Btu/h	24,800 (9,500 ~ 24,800)		32,600 (9,500 ~ 32,600)		39,500 (9,500 ~ 39,500)		24,800 (9,500 ~ 24,800)
	Heating	Btu/h	---		---		---		32,600 (9,500 ~ 32,600)
Moisture Removal	High	Pints/H	8.1		10.6		12.6		8.1
Dry Air Flow	Hi / Med / Low	CFM	710 / 530 / 450		1,050 / 840 / 720		1,050 / 840 / 720		710 / 530 / 450
SEER	Cooling		14.1		14.6		14.6		14.1
EER	Cooling		8.5		8.1		8.7		8.5
HSPF	Heating		---		---		9.6		8.4
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60
Running Amps	Cooling	A	15.6 / 17.3		18.7 / 20.7		23.0 / 25.4		15.6 / 17.3
	Heating	A	---		---		---		14.8 / 16.4
Power Input	Cooling	W	2,920 / 2,920		3,950 / 3,950		4,520 / 4,520		2,920 / 2,920
	Heating	W	---		---		---		3,950 / 3,950
Fuse or Circuit Breaker Capacity	A	15	30	15	35	15	40	15	35
Features									
Controls		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	
Wireless Remote Controller (optional)		CZ-RWSU12U, CZ-RWSC1U		CZ-RWSU12U, CZ-RWSC1U		CZ-RWSU12U, CZ-RWSC1U		CZ-RWSU12U, 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/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events	
Air Deflection	Horizontal	---		---		---		---	
	Vertical	Automatic		Automatic		Automatic		Automatic	
Air Filter		Washable		Washable		Washable		Washable	
Refrigerant		R-410A		R-410A		R-410A		R-410A	
Refrigerant Control		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo)	dB-A	38 / 35 / 31		44 / 37 / 33		45 / 38 / 34		38 / 35 / 31
	Outdoor(Hi)	dB-A	49		52		53		52
Refrigerant Piping	Type	Flare		Flare		Flare		Flare	
(Cooling)	Discharge	3/8"		3/8"		3/8"		3/8"	
	Suction	5/8"		5/8"		5/8"		5/8"	
Refrigerant Pipe Length	Ft.	Max. 165		Max. 165		Max. 165t		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	Indoor Unit
Height	inches	13-5/16"	30-23/32"	14-31/64"	30-23/32"	14-31/64"	30-23/32"	14-31/64"	30-23/32"
Width	inches	33-55/64"	37"	45-9/32"	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"
Net Weight	Lbs.	49.0	128.0	60.0	143.0	60.0	220.0	49.0	128.0

* 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



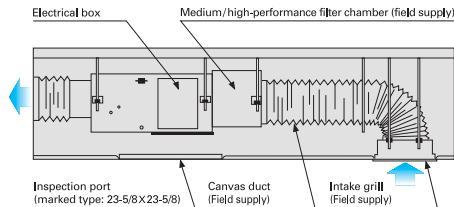
Outdoor Unit

U-26PS1U6

U-26PE1U6



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.

36PSF1U6

36PEF1U6

Indoor Unit

S-36PF1U6

Supplies are 8" dia



U-36PS1U6

U-36PE1U6



Installation Example

The picture shows the standard ducting system, where air is taken in from the back of the unit.



Model No.	Concealed Duct				Heat Pumps			
	Air Conditioners		36PSF1U6		26PEF1U6		36PEF1U6	
	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 ~ 24,000]		31,200 [9,500 ~ 31,200]		24,000 [9,500 ~ 24,000]	31,200 [9,500 ~ 31,200]
	Heating	Btu/h	---		---		28,600 [8,000 ~ 28,600]	36,200 [8,000 ~ 36,200]
Moisture Removal	High	Pints/H	7.7		10.0		7.7	10.0
Dry Air Flow	Hi / Med / Low	CFM	670 / 530 / 460		1,060 / 920 / 750		670 / 530 / 460	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	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-RWSU2U, 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							
Timer	7 Days/6 Events							
Air Deflection	Horizontal		---		---		---	---
	Vertical		---		---		---	---
Air Filter	---		---		---		---	
Refrigerant Control	Electric Expansion Valve							
Operation Sound	In(Hi / 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								
Height	inches		12-7/32"	30-23/32"	12-7/32"	30-23/32"	12-7/32"	30-23/32"
Width	inches		39-3/8"	37"	58-9/32"	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"
Net Weight	Lbs.		71.0	128.0	104.0	143.0	71.0	128.0

** 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



H.V.A.C. Accessories		
Model No.	Description	Use With
DL04060815	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-2E18NBU, CU-3KS19NBU, CU-4KS24NBU, CU-KS31NBU, CU-3KE19NBU, CU-4KE24NBU, CU-4KE31NBU, CS-MKS7NKU, CS-MKS12NKU, CS-MKE7NKU, CS-MKE9NKU, CS-MKE12NKU
DL04060820	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 20'	
DL04060835	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 35'	
DL04080815	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 15'	S18NKU-1, KS18NB4U, S18NKUA, KS18NKUA, KS18NB4UA, E18NKUA, KE18NKU, KE18NB4U, CU-3KS19NBU, CU-4KS24NBU, CU-4KS31NBU, CU-3KE19NBU, CU-4KE24NBU, CU-4KE31NBU, CS-MKS18NKU, CS-MKE18NKU, S12NKU-1, S12NKUA
DL04080820	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 20'	
DL04080835	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 35'	
DL04100820	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 20'	
DL04100830	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 30'	KS24NKUA, KE24NKU, CU-4KS24NBU, CU-4KS31NBU, CU-4KE24NBU, CU-4KE31NBU, CS-MKS24NKU, CS-MKE24NKU
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
BS600	Mounting Bracket for Outdoor Unit	CU-XE9PKUA, CU-XE12PKUA, 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-KS18NKUA, U-26PS1U6, U-36PS1U6, U-42PS1U6, CU-E9NKUA, CU-E12NKUA, CU-E18NKUA, CU-E24NKUA, CU-KE30NKU, CU-KE36NKU, CU-KE12NK1, CU-KE18NKU, U-26PE1U6, U-36PE1U6, 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-30-240	Condensate Pump	All 230 volt Models (up to 2 ton)
SI1730-2	Condensate Pump	All 230 volt Models (High Vol. Condensate Removal) (2 ton and higher)
CZ-RE2C2	Simple Wired Remote	
CZ-RELC2	Simple Wired Remote with Backlight	All 26,000 Through 42,000 BTU/h Models
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-RC515U	Wire Kit	PCB Wire Kit for CZ-RD515U - Required For Use With All KS&KE Models except 30 / 36
CZ-RC515UA	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-26PK1U6
CZ-RWSU2U	Wireless Remote Controller	S-26/36/42PT1U6, S-26/36/42PU1U6
CZ-RWSC1U	Wireless Remote Controller	S-26/36PF1U6
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)

Timer Remote Controller



CZ-RTC2

System Controller



CZ-64ESMC1U

Key Features (Simple Remote):

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

Key Features (Standard Remote/7 Day Timer):

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

Multiple Zone Controllers.

The Air Conditioning Gateway.

Panasonic's system and intelligent controls are the central nervous system of the conditioning system, the gateway to all data, temperature and system diagnostics and the heart and soul of conditioning.

Key Features (System Control):

- Controls Up To 64 Units Into 4 Individualized Zones
- Alarm and Operational Signal Output
- Single Access Points for All Connected Wired Remotes

Wireless Remote Controllers

Wireless Remote Controller	Applicable Unit	U1-series (Ceiling Recessed Type) T1-series (Ceiling Suspended Type)	For All Large capacity series Indoor Units
 K1-series CZ-RWSK1U		Built-in type <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Separate type signal receiving unit. CZ-RWSC1U

Remote Controllers Functions

		Timer Remote Controller (CZ-RTC2)	System Controller (CZ-64ESMC1U)	●: Controllable ✗: Uncontrollable
Function	ON/OFF	●	● (Collective/Individual)	
	Operation mode switch	●	● (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	●	●*	
System	Sweep (Flap swing)	●	●	
	Sensor temp. display	●	✗	
	Self-diagnostic function	●	●	
	Central control (at hand inhibited)	✗	●	
	Group control	● (Up to 8 units)	● (Up to 64 groups)	
Setting Range	Concurrent use with weekly timer	●	●	
	Cooling, dry (°F)	65 – 86	61 – 79	
Setting Range	Heating (°F)	61 – 79	61 – 79	

Note:

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

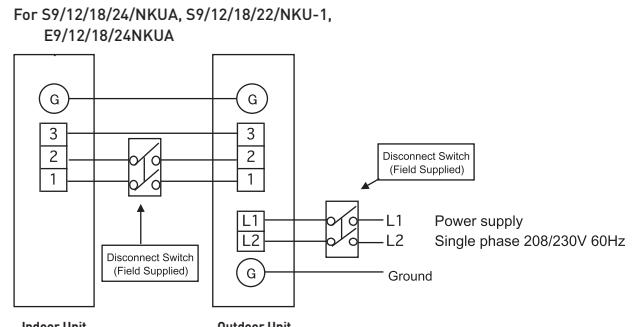
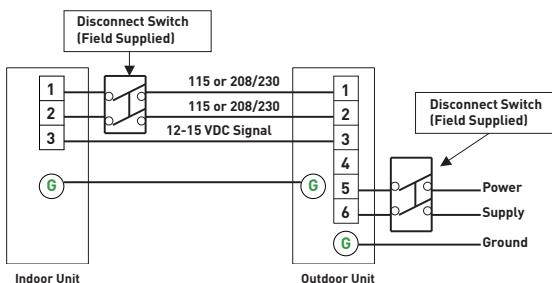
Benefits

- 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.

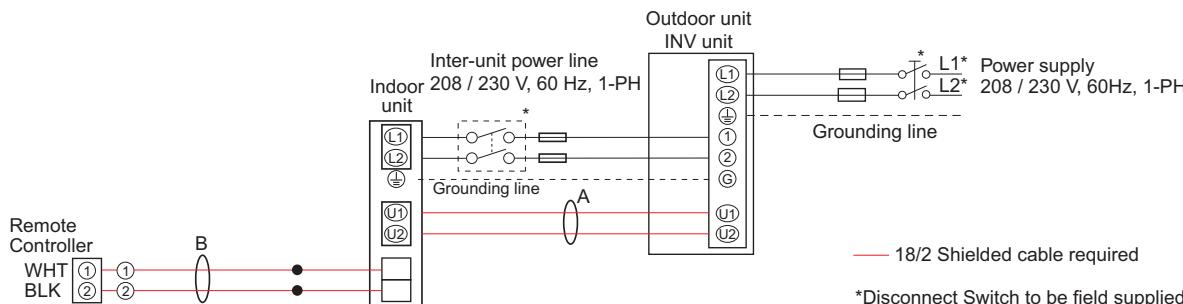
- Quick and easy installation of indoor and outdoor units.
 - Wired and wireless remote controllers available at option (Except for some models).
 - Single Point Power Supply reduces installation costs (Comply with local codes on wire size).
 - **7 Year compressor warranty and 5 year parts warranty.**

*CS/CU-XE9PKUA as of March 2013

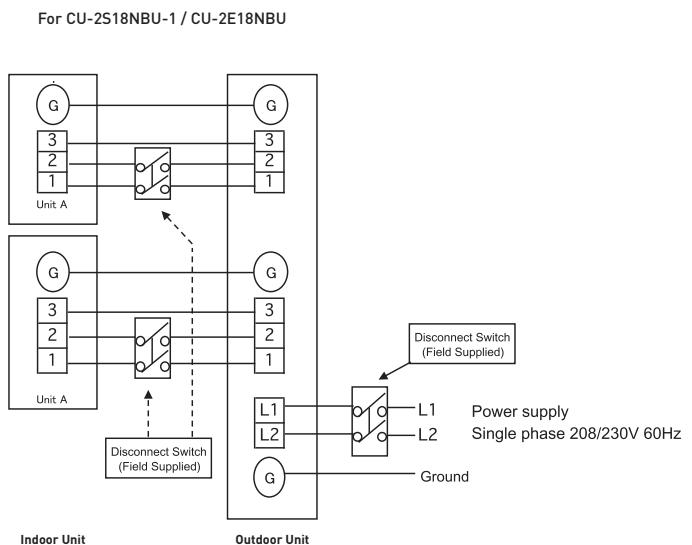
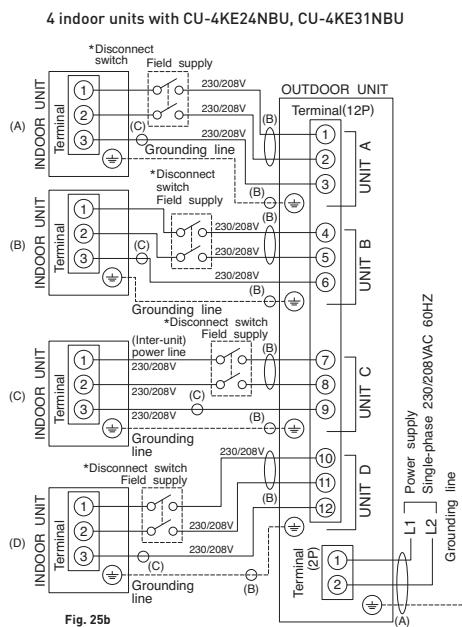
9,000 - 24,000 Btu/h single zone, KS30/36 NKUA, KE30/36NKU



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 (S9/12/18/22NKU-1)

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

Low Ambient Cooling Models (S9/12/18/24NKUA)

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

Cooling Models above 26,000 Btu

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

Cooling Models KS30/36NKUA

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

RAC Multi KS Series Cooling Models

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	14°F DB

RAC Multi KE Series Heating Models

	Temperature	Indoor Air Take	Outdoor Air Take
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	14°F WB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-°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	60°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 (E9/12/18/24PKUA)

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB
	Minimum	60°F DB / 52°F WB	0°F DB / 5°F DB (E18/24) / 5°F DB (E9/12)
Heating	Maximum	86°F DB / -°F WB	75°F DB / 64°F WB
	Minimum	60°F DB / -°F WB	5°F DB / -°F WB

Heat Pump Models above 26,000 Btu

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	0°F DB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-°F DB / -°F WB	5°F DB

Heat Pump Models KE30/36NKU

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	14°F DB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	-°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 Kbtu/h	Model No.	Model No.
PAC-i (Split)	26	CH2672R	U-26PE1U6
	36	CH3672R	U-36PE1U6
	42	CH4272R	U-42PE1U6
	30	CH3082	CU-KE30NKU
	36	CH3682	CU-KE36NKU
	26	C2672R	U-26PS1U6
	36	C3672R	U-36PS1U6
	42	C4272R	U-42PS1U6
	30	C3082	CU-KS30NKUA
	36	C3682	CU-KS36NKUA

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

Category	Capacity Kbtu/h	Model No.	Model No.
4-Way Cassette	26	XHW2672R	S-26PU1U6
	36	XHW3672R	S-36PU1U6
	42	XHW4272R	S-42PU1U6
	Panel	PNR-XH2442	CZ-24KPU1U
	Panel	PNR-XH3642	CZ-36KPU1U
Wall Mount	H/P	KHS2672R	S-26PKU1U
Wall Mount	36	KS3082	CS-KS30NKU
	42	KS3682	CS-KS36NKU
	30	KHS3082	CS-KE30NKU
	36	KHS3682	CS-KE36NKU
Ceiling Suspended	H/P	THW2672R	S-26PT1U6
		THW3672R	S-36PT1U6
		THW4272R	S-42PT1U6
Duct	H/P	UHW2672R	S-26PF1U6
		UHW3672R	S-36PF1U6

RAC (37models)

Category	Capacity Kbtu/h	Model No.	Model No.
Mini Cassette	12	XS1271	CS-KS12NB41
	Panel	PNR-XS1872	CZ-18BT1U
	12	CL1271	CU-KS12NK1A
	18	C1872	CU-KS18NKU
	18	CL1872	CU-KS18NKUA
	24	C2472	CU-KS24NKU
	24	CL2472	CU-KS24NKUA
	12	XHS1271	CS-KE12NB41
	18	XHS1872	CS-KE18NB4UW
	Panel	PNR-XS1872	CZ-18BT1U
Mini Cassette	12	CH1271	CU-KE12NK1U
	7	KMS0772	CS-MKS7NKU
	9	KMS0972	CS-MKS9NKU
	12	KMS1272	CS-MKS12NKU
	18	KMS1872	CS-MKS18NKU
	24	KMS2472	CS-MKS24NKU
	9	XMS0972	CS-MKS9NB4U
	12	XMS1272	CS-MKS12NB4U
	Panel	PNR-XS1872	CZ-18BT1U
	19	CM1972A	CU-3KS19NBNU
Outdoor Unit	24	CM2472A	CU-4KS24NBNU
	31	CM3172A	CU-4KS31NBNU
	7	KMHS0772	CS-MKE7NKU
	9	KMHS0972	CS-MKE9NKU
	12	KMHS1272	CS-MKE12NKU
	18	KMHS1872	CS-MKE18NKU
	24	KMHS2472	CS-MKE24NKU
	9	XMHS0972	CS-MKE9NB4U
	12	XMHS1272	CS-MKE12NB4U
	Panel	PNR-XS1872	CZ-18BT1U
Mini Cassette	19	CMH1972A	CU-3KE19NBNU
	24	CMH2472A	CU-4KE24NBNU
	31	CMH3172A	CU-4KE31NBNU
	7	KMHS0772	CS-MKE7NKU
	9	KMHS0972	CS-MKE9NKU
	12	KMHS1272	CS-MKE12NKU
	18	KMHS1872	CS-MKE18NKU
	24	KMHS2472	CS-MKE24NKU
	9	XMHS0972	CS-MKE9NB4U
	12	XMHS1272	CS-MKE12NB4U
Outdoor Unit	Panel	PNR-XS1872	CZ-18BT1U
	19	CMH1972A	CU-3KE19NBNU
	24	CMH2472A	CU-4KE24NBNU
	31	CMH3172A	CU-4KE31NBNU
	7	KMHS0772	CS-MKE7NKU
	9	KMHS0972	CS-MKE9NKU
	12	KMHS1272	CS-MKE12NKU
	18	KMHS1872	CS-MKE18NKU
	24	KMHS2472	CS-MKE24NKU
	9	XMHS0972	CS-MKE9NB4U

Controllers

Category	Model No.	Model No.
Wireless RC	Common	RCS-BH80AAB.WL
	4-Way	RCS-SH80AAB.WL
	Wall Mount	RCS-SH1AAAB
System Controller	SHA-KC64UG	CZ-64ESMC1U
	Simple Remote	RCS-KR1EG
	Simple Wired RC	CZ-RE2C2
Wireless RC	U1/T1 Series	RCS-SH80UA.WL
	Wired Kit	STK-KCW1
	Wired RC	CZ-RD515U
Accessories	STK-KCW2	CZ-RC515U
	STK-KSB2050	CZ-12UD1U
	STK-KSB5050	CZ-30UD1U

Rating Conditions

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

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			23'	23'					
E9NKUA		1/2"	49'	16'	16'				
KS12NB41A			66'	49'	49'				
KE12NB41			100'	50'	50'				
S12NKU-1		5/8"	66'	49'	49'	16'	R-410A 0.2		
S12NKUA			131'	49'	49'				
XE12PKUA			100'	50'	50'				
E12NKUA			66'	49'	49'				
S18NKU-1			131'	49'	49'				
S18NKUA			100'	50'	50'				
E18NKUA	3/8"	5/8"	66'	49'	49'	16'	R-410A 0.2		
KS18NKUA			131'	49'	49'				
KS18NB4UA			100'	50'	50'				
KE18NB4U			66'	49'	49'				
S22NKU-1			131'	49'	49'				
S24NKUA			100'	50'	50'				
E24NKUA			66'	49'	49'				
26PSK1U6			131'	49'	49'				
26PST1U6			100'	50'	50'				
26PSU1U6			165'	100'	100'				
26PSF1U6			131'	50'	50'				
26PEK1U6			100'	50'	50'				
26PET1U6			66'	49'	49'				
26PEU1U6			131'	49'	49'				
26PEF1U6			100'	50'	50'				
KS30NKUA			66'	49'	49'				
KE30NKU			131'	49'	49'				
KS36NKUA			100'	50'	50'				
KE36NKU			66'	49'	49'				
36PST1U6	1/4"	3/8"	131'	49'	49'	25'	R-410A 0.2		
36PSU1U6			100'	50'	50'				
36PSF1U6			66'	49'	49'				
36PET1U6		3/8"x3, 1/2"x1	131'	50'	50'	150'	R-410A 0.22		
36PEU1U6			100'	50'	50'				
36PEF1U6			66'	49'	49'				
42PST1U6		3/8"x2, 1/2"x2	131'	50'	50'				
42PSU1U6			100'	50'	50'				
42PET1U6			66'	49'	49'				
42PEU1U6			131'	50'	50'				
CU-2S18NBU-1	1/4"	3/8"	131'	49'	49'	25'	R-410A 0.2		
CU-2E18NBU			100'	50'	50'				
CU-3KS19NBU			66'	49'	49'				
CU-3KE19NBU		3/8"x3, 1/2"x1	131'	50'	50'	150'	R-410A 0.22		
CU-4KS24NBU			100'	50'	50'				
CU-4KE24NBU			66'	49'	49'				
CU-4KS31NBU		3/8"x2, 1/2"x2	131'	50'	50'				
CU-4KE31NBU			100'	50'	50'				
CU-2E18NBU			66'	49'	49'				

Model code

RAC

Indoor Unit

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

Outdoor Unit

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

Set

□ S 18 N K U -1
 3 4 5 6 7 8 9

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

PAC

Indoor Unit

S - 26 P U 1 U6
 1 2 3 4 5 6

Outdoor Unit

U - 36 P S 1 U6
 1 2 3 4 5 6

Set

26 P S 1 U6
 2 3 4 5 6

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



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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.