

Panasonic

Mini-Split Heat Pumps





PRODUCT LINE-UP

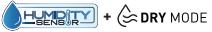
Single-Zone



ClimaPure™ XZ















EXTERIOS Z







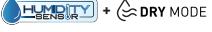



Multi-Zone













* Climapure XZ and EXTERIOS Z units can be used in multi-zone system. Please refer to the combination chart on page 18 for details.

* Room Freeze Protection only applicable to Climapure XZ and EXTERIOS Z when used as single-zone system.

* Fireplace Function only applicable to Climapure XZ and EXTERIOS Z when used as single-zone system.

New Wireless and Wired Remote Controller

More sleek, modern and easy to use.



CZ-RD517C
Dimensions (HxWxD): 120 x 120 x 16.5 (mm) or 4-23/32 x 4-23/32 x 21/32 (in)

FEATURES EXPLANATION

Cleaner Air



nanoe™ X effectively deodorises and inhibits various pollutants for a fresher and cleaner space.



Inside Cleaning works inside of an indoor unit by removing moisture, and releases nanoe™ X to inhibit various pollutants.

Convenience



Provides convenience to connect and control the air conditioner anywhere, anytime.

Comfort



Air conditioner with Humidity Sensor and Dry Mode helps to remove excess moisture in the room while preventing overcooling.



Efficient use of fireplace and other heat sources by circulating warm air to keep uniform and comfortable temperature throughout the room.

Energy Efficiency



Varies the rotation speed of the compressor for higher energy savings.



Auto-adjusts the optimal ECO level based on the heat load conditions and air conditioning cooling capacity.

Cold Climate



Helps prevent freezing condensate and allows very low ambient operation.



Automatically turns on the compressor to help prevent plumbing damage from sub-freezing temperature.

Environmentally Friendly Refrigerant

NEW

R32 Refrigerant



Has **HIGHER COOLING CAPACITY** so increases heat transfer efficiency.



Consumes **LESS ENERGY**, helping you to **SAVE ON ELECTRICITY COSTS**.



Has **ZERO IMPACT** on the ozone layer, so it is **ENVIRONMENTALLY FRIENDLY**.

Easy Installation & Service

Thanks to advanced improvement, installation time has been dramatically decreased.
Improved parts designed for easier installation and servicing.



learn more!

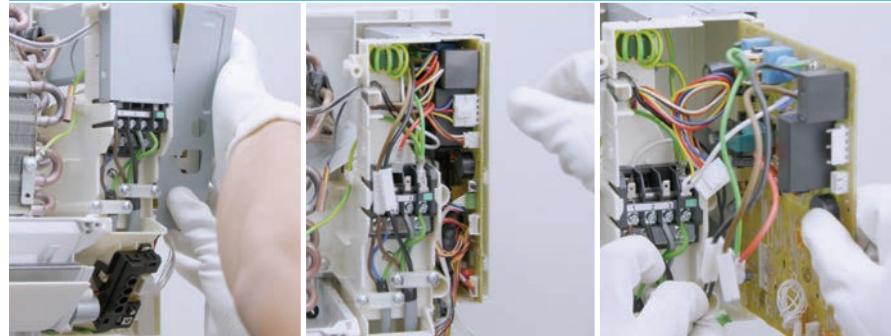


EASY REMOVAL

User-friendly slider locks



Simple steps for circuit board [PCB] removal



One-piece front grille

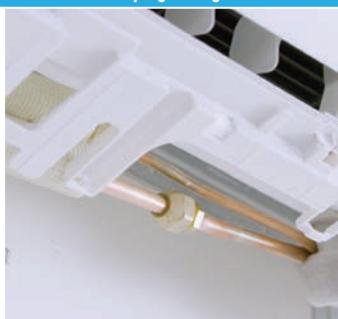


EASY ACCESS

Built-in support holders



Piping storage



Easy access to drain hose and piping



Easy wire insertion and connection

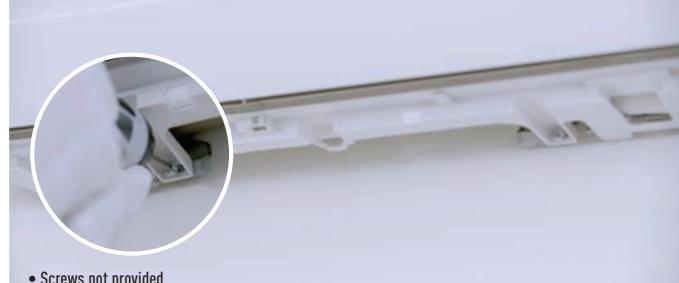


NEAT INSTALLATION

Stronger installation plate



Screw holders for uneven surfaces

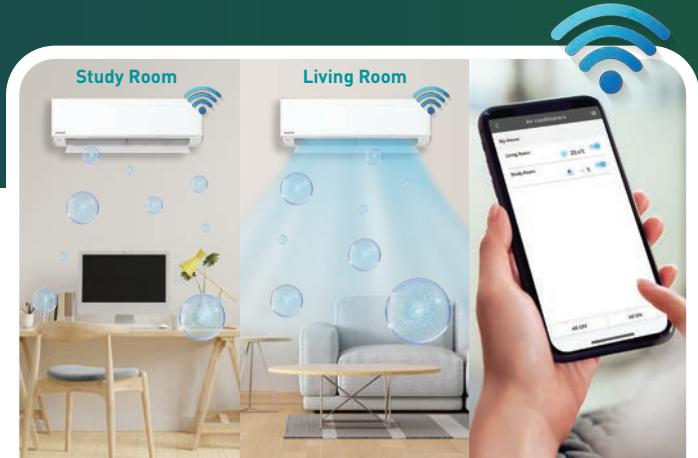




Connect & Control your AC Anywhere, Anytime with Comfort Cloud App



Control multiple air conditioners in one location or multiple locations when you are away from home.



Benefits of Panasonic Comfort Cloud App

The application offers one-stop control for all your air conditioners to suit your needs and preferences.



Monitor Energy Consumption

View the energy consumption of individual units by comparing the usage patterns daily, monthly, and yearly.



Pre-Cool Your Space



Weekly Timer



Error Notifications



Multi-Unit Control

Secured & Easier Setup with Advanced Scan Connectivity*

The advanced built-in Wi-Fi setup enables easier and faster connection to Panasonic Comfort Cloud App by scanning the QR code.



*Complied with internal cybersecurity guidelines based on cybersecurity trends and the regulations of each country. The advanced built-in Wi-Fi setup is applicable to ClimaPure XZ and Multi-Zone. Note: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Panasonic is under license. Other trademarks and trade names are those of their respective owners.

Scan the QR code to enable easier Wi-Fi connectivity to the air conditioner



[Requires 2.4GHz frequency band]



learn more!



High Efficiency of nanoe™ X Generator

nanoe™ X technology with the new generator contains 100 times more hydroxyl radicals compared to nanoe™. This helps to effectively inhibit pollutants and deodorise odours at a faster pace.

5 Effects of nanoe™ X

INHIBITS 3 TYPES OF POLLUTANTS



Allergens



Pollen



Hazardous Substances

DEODORIZES



Odor

MOISTURIZES



Skin & Hair

nanoe™ X effectively deodorises & inhibits pollutants
in air and on surfaces*



* For more details on nanoe™ X test report, you can visit
<https://www.panasonic.com/global/hvac/nanoe/evidence.html>

Inside Cleaning On Demand

Newly improved Inside Cleaning On Demand provides the convenience to activate this function on a need basis. Inside cleaning works inside of an indoor unit by removing moisture, and releases nanoe™ X to inhibit various pollutants.



Notes: [1] Air filter routine maintenance is required to ensure optimal performance.

[2] Illustrations of app screens may differ from the actual screen appearance.

[3] Inside Cleaning On Demand function is applicable to ClimaPure XZ series and Multi-Zone series.

[4] nanoe X air purification function can operate even if the unit is OFF. Please refer to the Operating Instructions manual for details.

By Remote Controller or Comfort Cloud App:



Turn off the AC and press the nanoe™ X button for more than 3 seconds to activate Inside Cleaning.



Turn off the AC and tap the 'Inside Clean' icon in Panasonic Comfort Cloud App to activate Inside Cleaning.

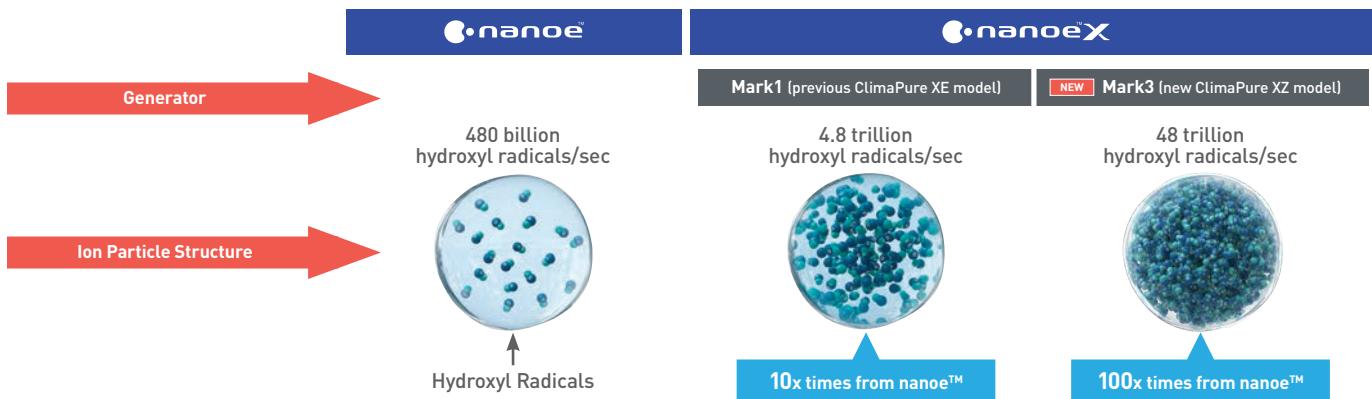
A day in a life benefiting from nanoe™ air improvement technology.



NEW

Development of •nanoe™ Technology

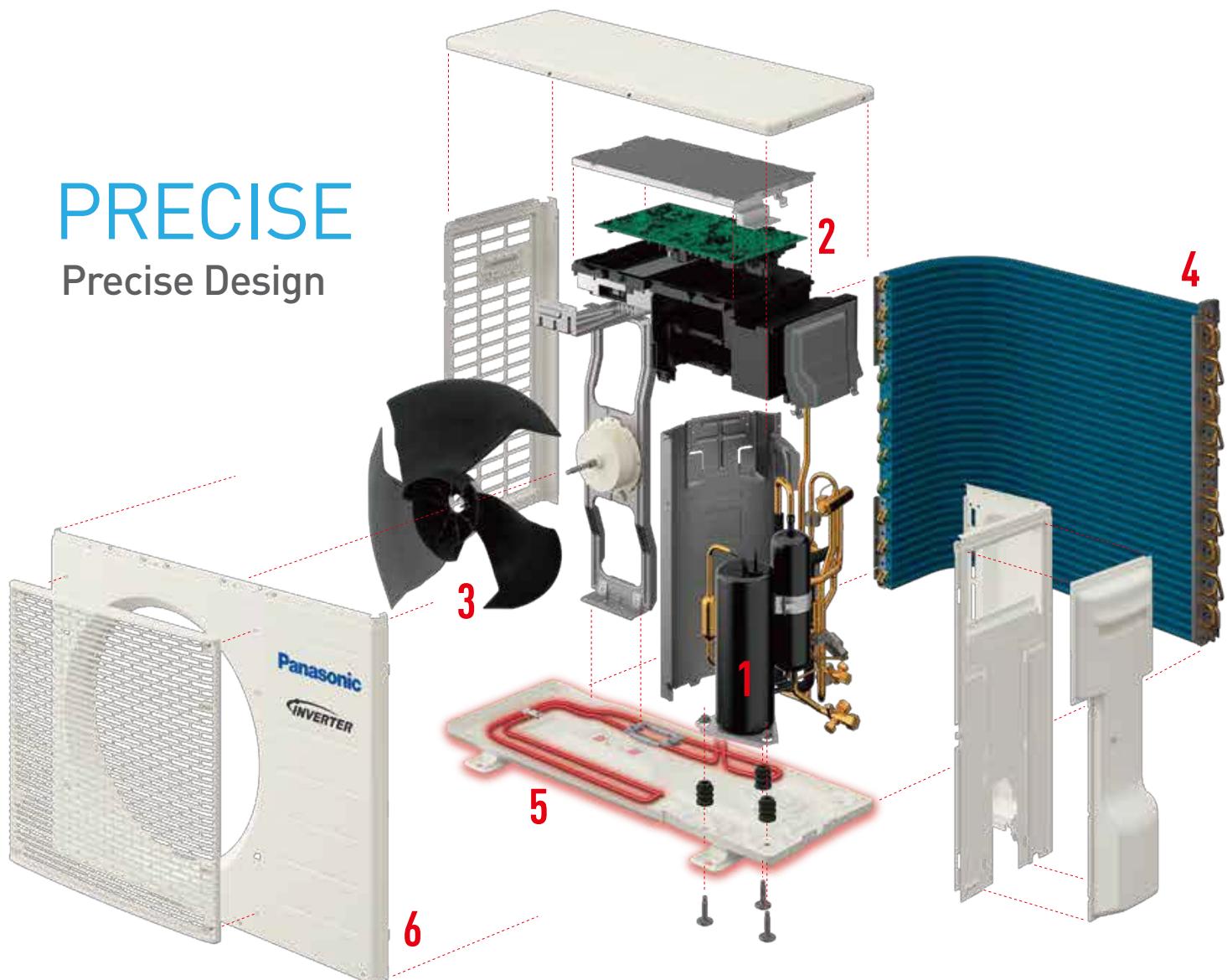
Every new nanoe™X generator is improved to produce an increased number of hydroxyl radicals contained in water, further ensuring the room can be purified in a shorter time.



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

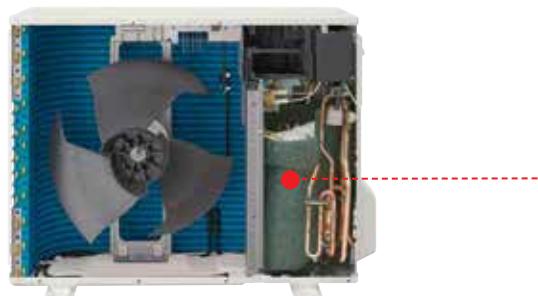
PRECISE

Precise Design



Room Freeze Protection*

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



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

* Not applicable to Multi-Zone heat pump.

TOUGHNESS

Precise Design



1

High-Efficiency Compressor

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

Low Vibration

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



2

Inverter Technology

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

Quiet

Smooth rotation and low vibration ensure quiet operation and durability.

Silicone Coating

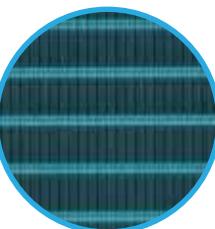
The brains of the air conditioner, printed circuit board is coated with silicone to prevent malfunction from insulation deterioration.



3

High-Efficiency Blades

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



4

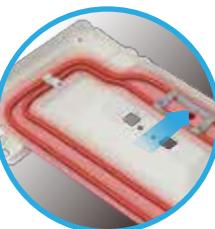
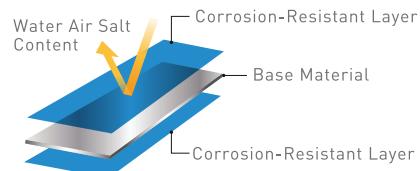
Blue Fin Condenser

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

**BLUE FIN
CONDENSER**

3 layer structure 3 times longer lasting

Note: According to Panasonic test results.



5

Base Pan Heater/ Multiple Drain Ports

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



6

Powder Coated Finish

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

Better Living with Energy-Saving and Eco-Friendly Technologies

Inverter Technology

Panasonic's Inverter air conditioners integrate DC motor to offer better performance in terms of greater energy savings, better comfort, quiet operation and wide output range. Inverter technology minimises temperature fluctuation to save energy without compromising comfort.



Greater Energy Savings

Cut your bill in half with Inverter air conditioner compared to non-Inverter air conditioner.



Better Comfort

Minimise temperature fluctuation.



Quiet Operation

Smooth operation and lower noise as low as 19dB(A)*.

*19dB(A) is applicable to ClimaPure XZ (XZ9AKUA and XZ12AKUA) and EXTERIOS Z (Z9AKUA and Z12AKUA).



Wide Output Range

Balance comfort level depending on the number of occupants in a room.



Quick Cooling and Heating

Operate with higher cooling/heating power during the start-up period to cool/heat the room faster than non-inverter models.



Intelligently Balances Energy Savings and Comfort

Every room in the house has a different temperature and it varies throughout the day. ECO mode with A.I. learns and judges the optimal ECO level to provide a good balance between cooling comfort and energy savings.



Benefits of Panasonic Air Conditioner with Humidity Sensor + Dry Mode



Comfort without Overcooling

Constantly monitors and adjusts relative humidity to below 55%, and temperature to avoid overcooling.



When Do You Need It?



High humidity but room temperature isn't hot



Rainy weather where there is damp smell in the room



Living in an area with high humidity



Reduces Dampness

Air stays fresh with no damp smell in the room.



Protects Household

Prevents growth of mould by removing excess moisture from the air.

*1Comparison of ECO Mode & normal mode by using 1.5HP INVERTER model.

Fireplace Function*

Advantages of Fireplace Function



How does Fireplace Function Work?

STEP 1 Heating operation at start-up

RC Fireplace Button



Preparation

- Heating mode + Fireplace
- Set by remote control or Comfort Cloud App

STEP 4

When the indoor temperature becomes lower than the set temperature, it switches to heating mode

Compressor ON



STEP 2

Automatically switches fan mode when temperature is stable



Compressor OFF



STEP 3

Circulate warm air from the fireplace throughout the space

* Not applicable to Multi-Zone heat pump.

Single Zone Heat Pumps

Indoor Unit

ClimaPure™ 



CS-XZ9AKUAW
CS-XZ12AKUAW
CS-XZ15AKUAW

CS-XZ18AKUAW
CS-XZ24AKUAW

FEATURES



EXTERIOS



CS-Z9AKUAW
CS-Z12AKUAW
CS-Z15AKUAW

CS-Z18AKUAW
CS-Z24AKUAW

FEATURES



Outdoor Unit



CU-XZ9AKUAW
CU-XZ12AKUAW

CU-XZ15AKUAW

CU-XZ18AKUAW
CU-XZ24AKUAW

FEATURES



Remote Controllers

Wireless
(Included)



Wired
(Optional)



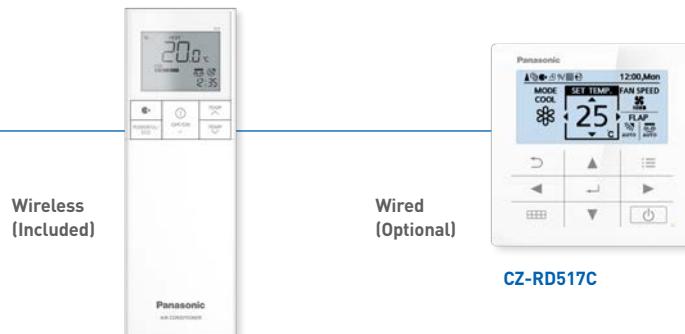
CZ-RD517C

MODEL	MODEL Number		XZ9AKUA / Z9AKUA			XZ12AKUA / Z12AKUA			XZ15AKUA / Z15AKUA			XZ18AKUA / Z18AKUA			XZ24AKUA / Z24AKUA														
	INDOOR UNIT	ClimaPure XZ	CS-XZ9AKUAW			CS-XZ12AKUAW			CS-XZ15AKUAW			CS-XZ18AKUAW			CS-XZ24AKUAW														
		EXTERIOS Z	CS-Z9AKUAW			CS-Z12AKUAW			CS-Z15AKUAW			CS-Z18AKUAW			CS-Z24AKUAW														
	OUTDOOR UNIT		CU-XZ9AKUAC			CU-XZ12AKUAC			CU-XZ15AKUAC			CU-XZ18AKUAC			CU-XZ24AKUAC														
Power Supply	V, Phase, Hz		230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz														
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX												
Cooling	Capacity	Btu/h	2900	8700	12600	2900	11500	16100	3300	14700	19300	6100	17200	22200	6100	24000	27200												
	Input Power	W	170	530	890	170	800	1200	240	1100	1900	440	1260	1660	440	2040	2450												
	EER/EER2	Btu/hW	17.05	16.40	14.15	17.05	14.35	13.40	13.75	13.35	10.15	13.85	13.65	13.35	13.85	11.75	11.10												
Heating	Capacity	Btu/h	3200	10900	19900	3200	12000	23600	3300	17200	25200	6800	20400	30400	6800	28800	37200												
	Input Power	W	160	670	1780	160	790	1900	200	1230	2400	400	1540	2600	400	2500	3000												
	COP	Btu/hW	20	16.25	11.15	20	15.15	12.40	16.50	13.95	10.50	17	13.20	11.65	17	11.50	12.40												
Noise Indoor	Cooling	dB-A (H/L/Q-Lo)	42	25	19	44	28	19	45	37	30	46	37	33	49	40	34												
	Heating	dB-A (H/L/Q-Lo)	42	29	19	44	35	19	46	37	30	46	37	34	49	40	34												
Noise Outdoor	Cooling	dB-A (H)	47			48			50			50			53														
	Heating	dB-A (H)	48			49			50			52			54														
Max Current / Max Input Power		A / W	7.8 / 1780			8.9 / 1900			10.3 / 2400			11.3 / 2600			13.6 / 3130														
Starting Current / Compressor Output		A / W	3.4 / 900			4 / 900			6 / 900			7.6 / 1500			12.3 / 1500														
Min Circuit Ampacity		A	15			15			15			15			20														
Max Overcurrent Protection		A	15			20			20			20			30														
SEER2			27.5			25			22.4			22			20.50														
HSPF2	Region V		12			11.7			12			11.7			11														
HSPF2	Region V		9.2			8.9			8.9			8.8			8.3														
ENERGY STAR			YES			YES			YES			YES			YES														
NEEP			YES			YES			YES			YES			YES														
Indoor Air Flow	Cooling	CFM	410			430			450			610			685														
	Heating	CFM	435			460			495			630			695														
Outdoor Air Flow	Cooling	CFM	1185			1215			1405			1855			2030														
	Heating	CFM	1155			1215			1405			1675			1855														
Operation Condition	Cooling	DBT	-17.8°C to 46.0°C / -0.04°F to 114.8°F																										
	Heating	DBT	-26.0°C to 24.0°C / -14.8°F to 75.2°F																										
Refrigerant Type			R32			R32			R32			R32			R32														
Refrigerant Amount		oz	31.8			31.8			39.9			52.6			52.6														
Refrigerant Piping	Type		Flare			Flare			Flare			Flare			Flare														
	Diameter	in [Liquid/Gas]	1/4 / 3/8			1/4 / 3/8			1/4 / 1/2			1/4 / 1/2			1/4 / 5/8														
	Standard Length	ft	24.6			24.6			24.6			24.6			24.6														
	Length Min - Max	ft	9.8 - 65.6			9.8 - 65.6			9.8 - 65.6			9.8 - 100.0			9.8 - 100.0														
Indoor Unit & Outdoor Unit Height Difference		ft	49.2			49.2			49.2			65.6			65.6														
Additional Gas Amount		oz/ft	0.1			0.1			0.2			0.3			0.3														
Unit Dimensions	Indoor	in [H/W/D]	11-5/8	34-9/32	9-1/32	11-5/8	34-9/32	9-1/32	11-5/8	34-9/32	9-1/32	11-5/8	40-31/32	9-5/8	11-5/8	40-31/32	9-5/8												
	Outdoor	in [H/W/D]	24-1/2	32-15/32	11-25/32	24-1/2	32-15/32	11-25/32	27-5/8	34-15/32	12-5/8	31-5/16	34-15/32	12-5/8	31-5/16	34-15/32	12-5/8												
Unit Weight	Indoor	lb	24			24			24			31			31														
	Outdoor	lb	79			79			93			110			110														
Carton Dimensions	Indoor	in [H/W/D]	11-5/32	37-1/2	14-3/4	11-5/32	37-1/2	14-3/4	11-5/32	37-1/2	14-3/4	12-3/8	45-7/32	15-3/32	12-3/8	45-7/32	15-3/32												
	Outdoor	in [H/W/D]	26-25/32	37-23/32	16-13/32	26-25/32	37-23/32	16-13/32	30-7/32	41-5/16	18-1/8	34-25/32	41-5/16	19-1/8	34-25/32	41-5/16	19-1/8												
Carton Weight	Indoor	lb	29			29			29			35			35														
	Outdoor	lb	86			86			101			123			123														

*When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.

Multi-Zone Heat Pumps

Remote Controllers



CZ-RD517C

Indoor Unit



CS-MXZ5AKUA
CS-MXZ7AKUA

FEATURES



INDOOR UNIT Model Number			CS-MXZ5AKUA			CS-MXZ7AKUA					
Power Supply V, Phase, Hz			230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz					
			MIN	RATED	MAX	MIN	RATED	MAX			
Cooling	Capacity	Btu/h	4400	5500	7800	6100	6900	8500			
	Input Power	W	250	350	470	340	400	520			
	EER/EER2	Btu/hW	17.60	15.70	16.60	17.95	17.25	16.35			
Heating	Capacity	Btu/h	4100	8900	10900	4100	10900	14000			
	Input Power	W	300	640	910	300	810	1160			
	COP	Btu/hW	13.65	13.90	12.00	13.65	13.45	12.05			
Noise	Cooling	dB-A (H/L/Q-Lo)	42	27	21	43	27	21			
	Heating	dB-A (H/L/Q-Lo)	42	31	21	43	31	21			
Air Flow	Cooling	CFM	405			415					
	Heating	CFM	405			415					
Operation Condition	Cooling	DBT	16°C to 32°C / 60.8°F to 89.6°F								
	Heating	DBT	16°C to 30°C / 60.8°F to 86.0°F								
Refrigerant Piping	Type		Flared			Flared					
	Diameter	in (Liquid/Gas)	1/4 / 3/8			1/4 / 3/8					
Unit Dimensions		in (H/W/D)	11-5/8	34-9/32	9-1/32	11-5/8	34-9/32	9-1/32			
Unit Weight		lb	22			22					
Carton Dimensions		in (H/W/D)	11-5/32	37-1/2	14-3/4	11-5/32	37-1/2	14-3/4			
Carton Weight		lb	26			26					

* Climapure XZ and EXTERIOS Z indoor units can also be used in multi-zone systems.
Please refer to the combination chart on page 18 for details.

Outdoor Unit



**CU-2Z18ABUC
CU-3Z22ABUC**

► FEATURES ►

**BLUE FIN
CONDENSER**



OUTDOOR UNIT Model Number			CU-2Z18ABUC			CU-3Z22ABUC				
Standard Connection Indoor Unit Model Numbers*			CS-XZ9AKUAW x2			CS-MXZ7AKUA x3				
Power Supply		V, Phase, Hz	230/208V, 1PH, 60Hz			230/208V, 1PH, 60Hz				
Cooling	Capacity	Btu/h	7200	18000	25600	7200	22000	30000		
	Input Power	W	360	1200	2000	380	1720	2420		
	EER2	Btu/hW	20.00	15.00	12.80	18.95	12.75	12.40		
Heating	Capacity	Btu/h	5800	22000	29800	5500	26000	34200		
	Input Power	W	320	1660	2480	320	1760	2780		
	COP	Btu/hW	18.15	13.25	12.00	17.20	14.75	12.30		
Noise	Cooling	dB-A [H/Q-Lo]	48 / 43			50 / 45				
	Heating	dB-A [H/Q-Lo]	50 / 45			52 / 47				
Max Current / Max Input Power			A / W	15.6 / 3590			15.9 / 3660			
Starting Current / Compressor Output			A / W	8.2 / 1500			8.6 / 1500			
Min Circuit Ampacity			A	20			25			
Max Overcurrent Protection			A	30			30			
Capacity Range			kW	3.2 - 7.7			4.5 - 9.5			
SEER2				22.5			24.5			
HSPF2	Region IV			12.5			10.7			
HSPF2	Region V			10.0			8.7			
ENERGY STAR				YES			YES			
NEEP				YES			YES			
Air Flow	Cooling	CFM		1567			1630			
	Heating	CFM		1567			1630			
Operation Condition	Cooling	DBT		-10°C to 46°C / 14.0°F to 114.8°F						
	Heating	DBT		-26.11°C to 24°C / -15.0°F to 75.2°F						
Refrigerant Type				R32			R32			
Refrigerant Amount			oz	67.8			85.4			
Refrigerant Piping	Type			Flared			Flared			
	Diameter	in (Liquid/Gas)		1/4 / 3/8			1/4 / 3/8			
	Standard Length	ft		24.6			24.6			
	Length Min - Max (1 Room)	ft		9.8 - 82			9.8 - 82			
	Max Length (Total Rooms)	ft		184			196.8			
Indoor & Outdoor Unit Height Difference			ft	49.2			49.2			
Additional Gas Amount			oz/ft	0.2			0.2			
Unit Dimensions			in (H/W/D)	31-5/16	34-15/32 +[3-3/4]**	12-5/8	31-5/16	34-15/32 +[3-3/4]**		
Unit Weight			lb	128			137			
Carton Dimensions			in (H/W/D)	35-7/32	41-5/16	19-1/8	35-7/32	41-5/16		
Carton Weight			lb	141			150			

* Specs shown are for when the indicated Outdoor Unit is connected with the Standard Indoor Units. For other applicable combination of Indoor Units, please refer to the combination charts on page 18.

** A(3-3/4) inches is the width including the control board cover



Multi-Zone Combination Charts

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

CU-2Z18ABUC
2 ZONES
5 + 5
5 + 7
5 + 9
5 + 12
5 + 15
5 + 18
7 + 7
7 + 9
7 + 12
7 + 15
7 + 18
9 + 9
9 + 12
9 + 15
9 + 18
12 + 12
12 + 15

CU-3Z22ABUC		
2 ZONES	3 ZONES	
5 + 12	5 + 5 + 5	7 + 7 + 7
5 + 15	5 + 5 + 7	7 + 7 + 9
5 + 18	5 + 5 + 9	7 + 7 + 12
7 + 9	5 + 5 + 12	7 + 7 + 15
7 + 12	5 + 5 + 15	7 + 7 + 18
7 + 15	5 + 5 + 18	7 + 9 + 9
7 + 18	5 + 7 + 7	7 + 9 + 12
9 + 9	5 + 7 + 9	7 + 9 + 15
9 + 12	5 + 7 + 12	7 + 9 + 18
9 + 15	5 + 7 + 15	7 + 12 + 12
9 + 18	5 + 7 + 18	9 + 9 + 9
12 + 12	5 + 9 + 9	9 + 9 + 12
12 + 15	5 + 9 + 12	9 + 9 + 15
12 + 18	5 + 9 + 15	9 + 12 + 12
15 + 15	5 + 9 + 18	
15 + 18	5 + 12 + 12	
	5 + 12 + 15	



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NOTES

breathe well

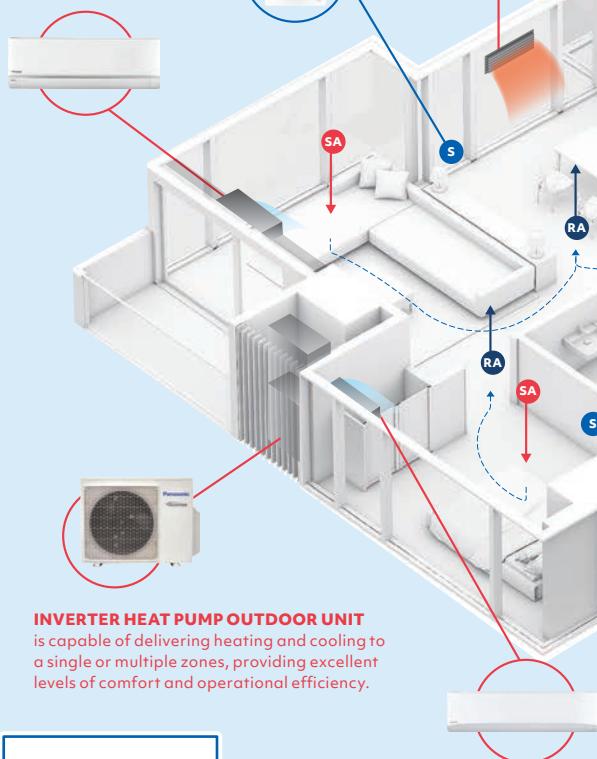
The Only Complete Air Quality Solution™

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Clean
Comfort
Fresh

COLD CLIMATE WALL-MOUNTED HEAT PUMP offers low ambient heating operation down to -26°C (-15°F). The ClimaPure™ XE models are equipped with built-in air and surface purification technology that reduces pollutants and odours for fresher indoor air.

SWIDGET SMART OUTLET WITH WI-FI CONTROL + AIR QUALITY SENSOR wirelessly communicates temperature, humidity, air pressure and total volatile organic compounds which are used to calculate air quality and CO₂ levels. Set rules and receive notifications when your air quality declines.



INTERIOS™ CENTRAL HEAT PUMPS are centrally ducted, whole-home heating and cooling systems available in all-electric and hybrid-heating models. Cold Climate capabilities allow these systems to heat down to -30°C (-22°F). The Air Handling Unit adapts to existing ductwork design and intelligently monitors pressure changes inside the ductwork to ensure constant and optimal airflow.



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