Panasonic

RESIDENTIAL HEAT PUMP SOLUTIONS CATALOG

NEW PRODUCT LINE UP

Table of Content

Panasonic

Mini-Split Heat Pumps

PRODUCT LINE-UP

Single-Zone

ClimaPure® XZ

nanoeX | INSIDE CLEANING ON DEMAND | Panasonic Comfort Cloud®

HUMIDITY SENSOR + DRY MODE | FIREPLACE FUNCTION | INVERTER

AI ECO | BASE PAN HEATER | ROOM FREEZE PROTECTION

EXTERIOS Z

HUMIDITY SENSOR + DRY MODE

FIREPLACE FUNCTION | INVERTER | AI ECO

BASE PAN HEATER | ROOM FREEZE PROTECTION

Multi-Zone

nanoeX | INSIDE CLEANING ON DEMAND | Panasonic Comfort Cloud®

HUMIDITY SENSOR + DRY MODE | INVERTER

AI ECO | BASE PAN HEATER

* 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.*

Wireless

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

*Multi-region display

FEATURES EXPLANATION

Cleaner Air

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

INSIDE CLEANING ON DEMAND
Inside Cleaning works inside of an Indoor Unit by removing moisture, and releases nanoe™ X to inhibit various pollutants.

Convenience

Panasonic Comfort Cloud®
Provides convenience to connect and control the Heat Pump anywhere, anytime.

Comfort

HUMIDITY SENSOR + DRY MODE
A Heat Pump with Humidity Sensor and Dry Mode helps to remove excess moisture in the room while preventing overcooling.

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

Energy Efficiency

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

AI ECO
Auto-adjusts the optimal ECO level based on the heat load conditions and Heat Pump cooling capacity.

Cold Climate

BASE PAN HEATER
Helps prevent freezing condensate and allows very low ambient operation.

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

R32 Refrigerant
Compared to R410A 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, and has **LOWER GLOBAL WARMING POTENTIAL**.

Easy Installation & Service

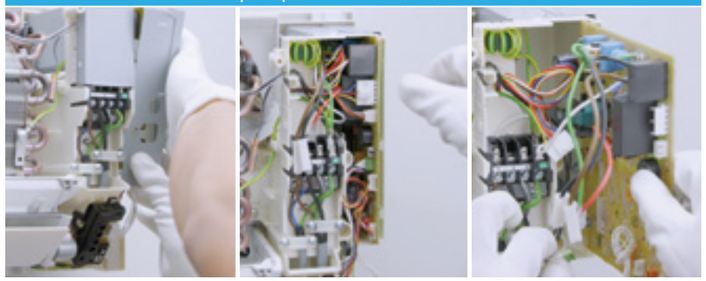
learn more!

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

EASY REMOVAL

User-friendly slider locks

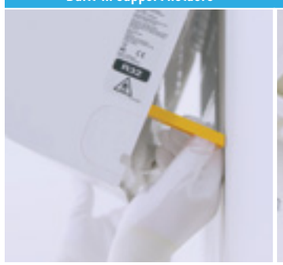
Simple steps for circuit board (PCB) removal



One-piece front grille

EASY ACCESS

Built-in support holders



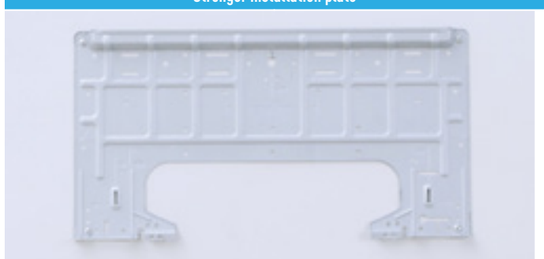
Piping storage

Easy access to drain hose and piping

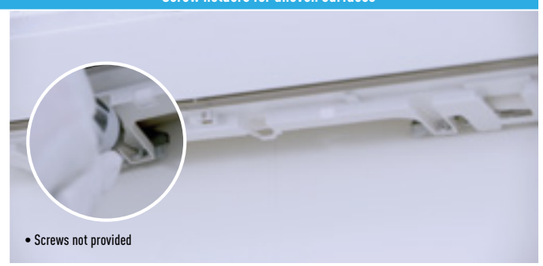
Easy wire insertion and connection

NEAT INSTALLATION

Stronger installation plate



Screw holders for uneven surfaces

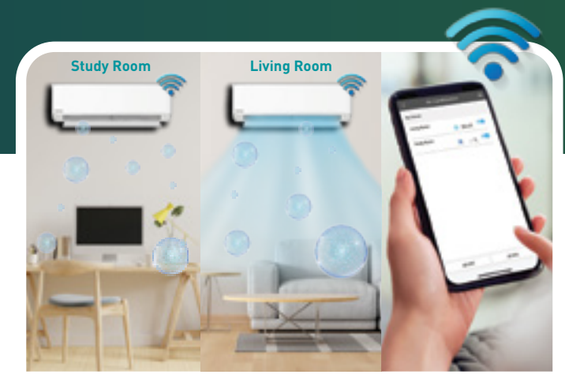


• Screws not provided

Connect & Control your Heat Pump Anywhere, Anytime with Panasonic Comfort Cloud®

learn more!

Control multiple Indoor Units in one location or multiple locations when you are away from home.



Panasonic Comfort Cloud®

Download on the App Store

GET IT ON Google Play

Benefits of Panasonic Comfort Cloud®App

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

*Not all features illustrated here are compatible with Multi-Zone system. Consult the user manual for more details.

Monitor Energy Consumption*

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

Purify Your Home with nanoe™ X

Switch on nanoe™ X mode to enjoy a clean and fresh home with your loved ones.

Voice Control

Works with Google Home and Amazon Alexa.

- Pre-Cool Your Space
- Weekly Timer
- Error Notifications
- Multi-Unit Control

Secured & Easier Setup with Advanced Scan Connectivity**

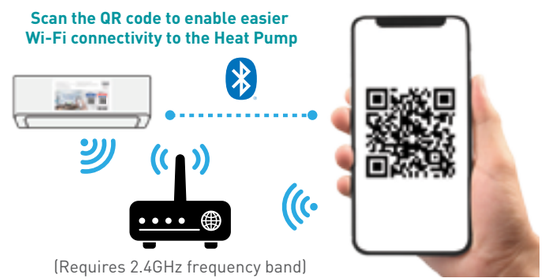
The advanced built-in Wi-Fi setup enables easier and faster connection to Panasonic Comfort Cloud® App by scanning the QR code.

BUILT-IN EASY CONNECT

* Energy consumption and electricity bill is estimated. Actual numbers may differ.
* For multi-zone system, the energy consumption and electricity bill data displayed for each indoor unit will be the same, and represent the total value for the entire system.

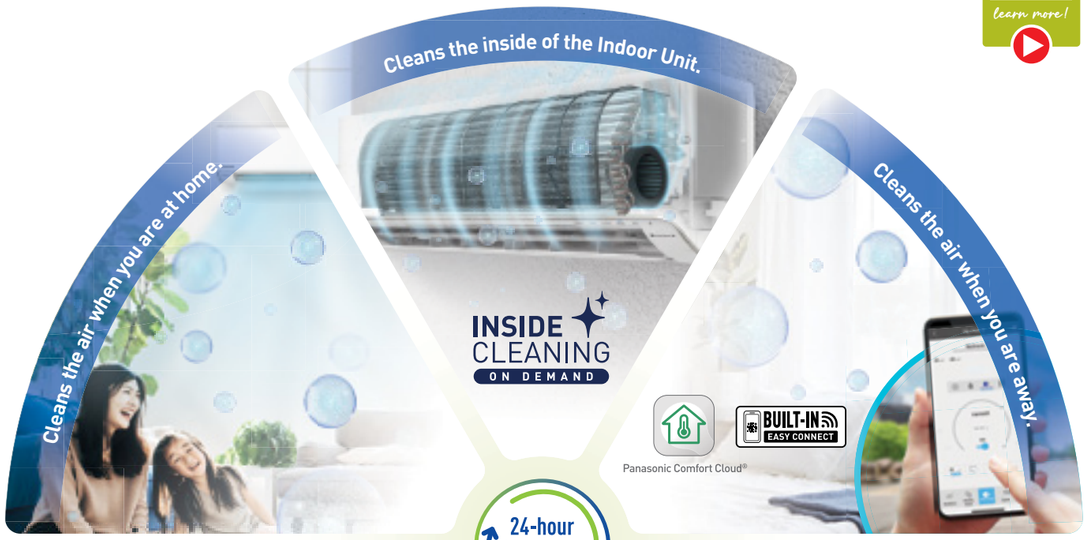
**Complied with internal cybersecurity guidelines based on cybersecurity trends and the regulations of each country. The advanced built-in Wi-Fi setup is applicable to ClimaPure XZ and Multi-Zone.
Note: The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any 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 Heat Pump



(Requires 2.4GHz frequency band)

nanoe™ X



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.

INSIDE CLEANING ON DEMAND

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 Heat Pump and press the nanoe™ X button for more than 3 seconds to activate Inside Cleaning.

Turn off the Heat Pump 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.

nanoe™

Public Transport

EAST JAPAN RAILWAY COMPANY
Yamanote Line
Series E235
Also adopted in 15 other railways across Japan.

Office

4-way cassette

HITACHI
Elevators

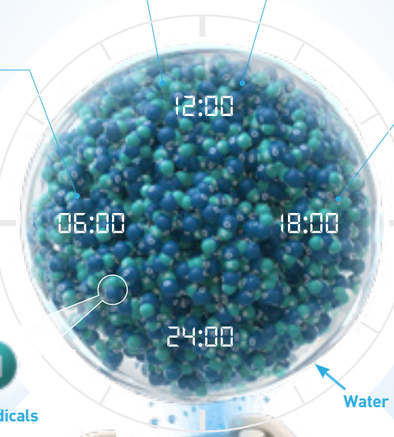
Home

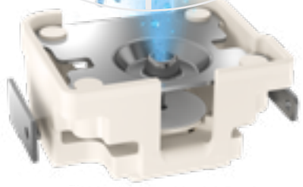
Heat Pump (Indoor Unit)

Refrigerators

Air Purifiers

Washing Machines





nanoe™ X Generator Mark3 Device

Automotive

LEXUS

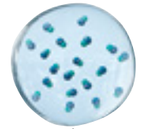
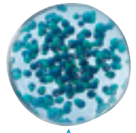
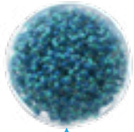
Adopted in 115 car models (as of August 2024). In addition to Lexus, also adopted by automobile manufacturers such as Toyota, Land Rover, Jaguar, Mitsubishi Motors, Suzuki, Mazda, Honda, and Subaru.

USED IN JAPAN FOR 20+ YEARS nanoe™ TECHNOLOGY

nanoe™ 100 MILLION UNITS

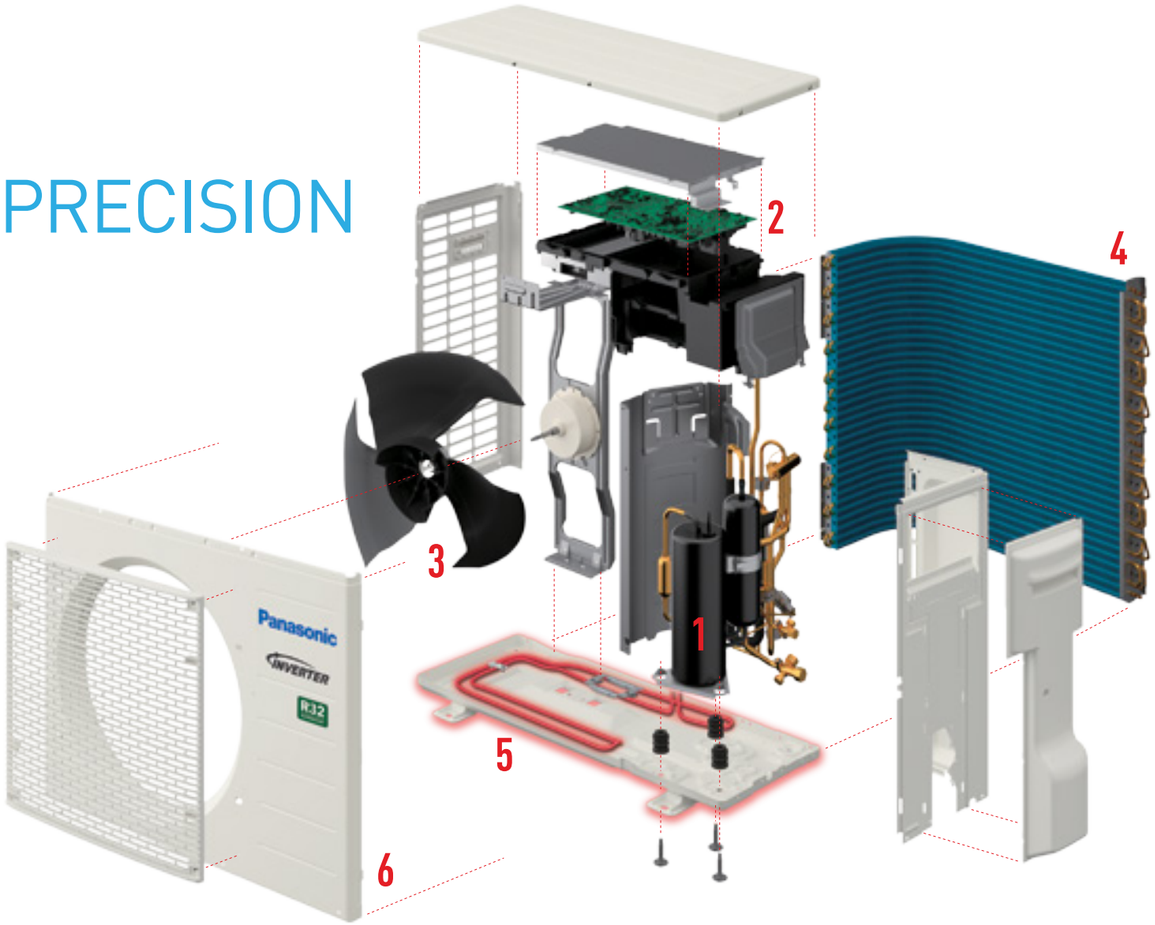
NEW Development of nanoe™ Technology

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.

	nanoe™	nanoe™ X	
Generator		Mark1 (previous ClimaPure XE model)	NEW Mark3 (new ClimaPure XZ model)
	480 billion hydroxyl radicals/sec	4.8 trillion hydroxyl radicals/sec	48 trillion hydroxyl radicals/sec
Ion Particle Structure			
	Hydroxyl Radicals	10x times from nanoe™	100x times from nanoe™

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

PRECISION



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

ROOM FREEZE PROTECTION

Room Freeze Protection*

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

* Not applicable to Multi-Zone heat pump.

DURABILITY

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.

INVERTER

Quiet

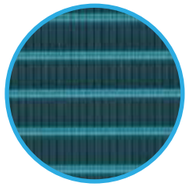
Smooth rotation and low vibration ensure quiet operation and durability.

Silicone Coating

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

3 High-Efficiency Blades

Frost accumulation on the 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.



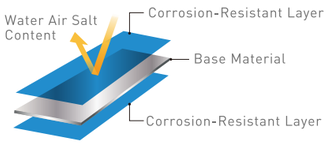
4 Blue Fin Condenser

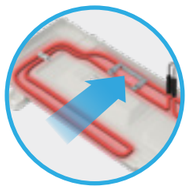
Blue Fin anti-rust coating is applied to each fin. This special coating prevents rust from salt air and moisture from rain and melting snow and assures longer life of the heat exchanger.

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 Efficient Technologies

Inverter Technology

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

INVERTER

Greater Energy Savings
Reduce your electricity bills with Inverter Heat Pump compared to non-Inverter Heat Pump.

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.

AI ECO

Humidity Control with Humidity Sensor + Dry Mode

Dry Mode operates together with built-in Humidity Sensor, helping the Heat Pump to receive accurate room humidity situation data to efficiently reduce and adjust the humidity level to below 55%, removing excess moisture in the room while preventing overcooling.

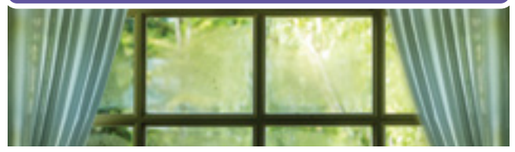
HUMIDITY SENSOR + DRY MODE

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

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

Benefits of Panasonic Heat Pump with Humidity Sensor + Dry Mode



Comfort without Overcooling
Constantly monitors and adjusts relative humidity to below 55%, and temperature to avoid overcooling.

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.

Fireplace Function*

Advantages of Fireplace Function

CONVENTIONAL

When Set Temperature is reached, the compressor turns off and the fan stops.

Concerns

Warm air stays only near the fireplace
- Temperature differences occur
- Heating efficiency is poor

VS

NEW

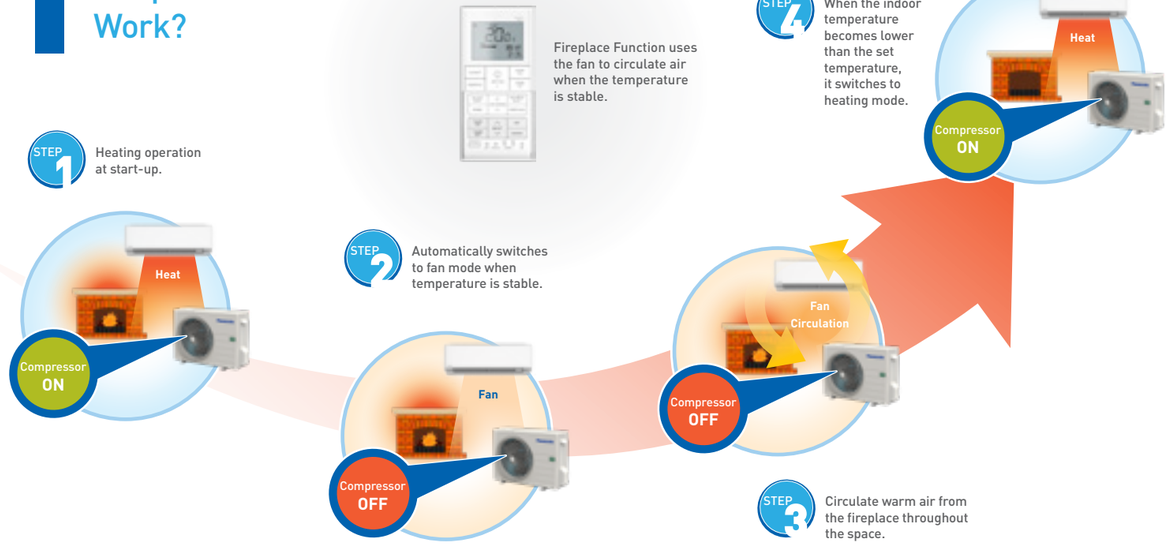
FIREPLACE FUNCTION

Fireplace Function uses the fan to circulate air when the temperature is stable.

Improvements

Circulates warm air throughout the space
- Uniform temperature
- Increase heating efficiency

How does Fireplace Function Work?



* Not applicable to Multi-Zone heat pump.

Single Zone Heat Pumps

Indoor Unit

ClimaPure® XZ

CS-XZ9AKUAW
CS-XZ12AKUAW
CS-XZ15AKUAW

CS-XZ18AKUAW
CS-XZ24AKUAW

FEATURES: nanoeX · INSIDE CLEANING ON DEMAND · HUMIDITY SENSOR + DRY MODE · FIREPLACE FUNCTION · Panasonic Comfort Cloud® · INVERTER · AI ECO

EXTERIOS Z

CS-Z9AKUAW
CS-Z12AKUAW
CS-Z15AKUAW

CS-Z18AKUAW
CS-Z24AKUAW

FEATURES: HUMIDITY SENSOR + DRY MODE · FIREPLACE FUNCTION · INVERTER · AI ECO

Outdoor Unit

CU-XZ9AKUAW
CU-XZ12AKUAW

CU-XZ15AKUAW

CU-XZ18AKUAW
CU-XZ24AKUAW

FEATURES: BLUE FIN CONDENSER · BASE PAN HEATER · ROOM FREEZE PROTECTION

Remote Controllers

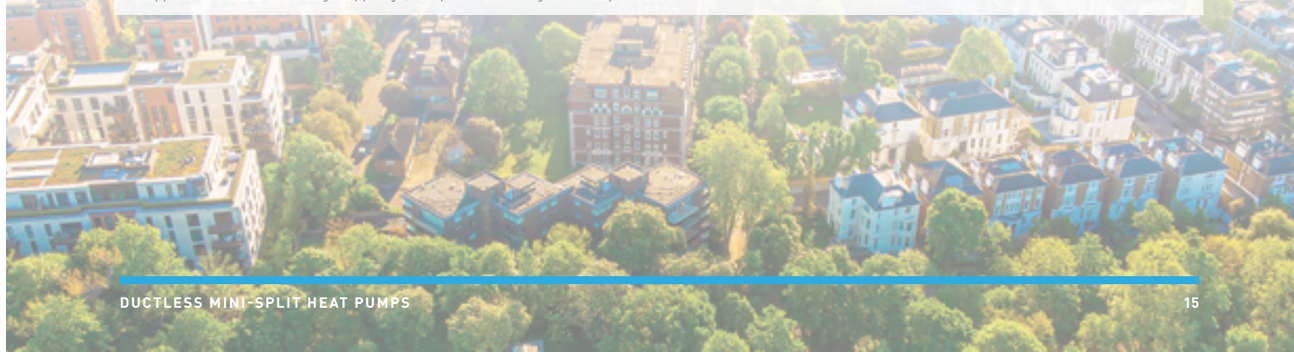
Wireless (Included)

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 IV		12			11.7			12			11.7			11		
HSPF2	Region V		9.2			8.9			8.9			8.8			8.3		
ENERGY STAR® Certified			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

Wireless
(Included)

Wired
(Optional)

CZ-RD517C

Indoor Unit

CS-MXZ5AKUA
CS-MXZ7AKUA

FEATURES

nanoeX · INSIDE CLEANING ON DEMAND · INVERTER · Panasonic Comfort Cloud® · HUMIDITY SENSOR + DRY MODE · AI ECO

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

CU-4Z24BBUC
CU-5Z36BBUC

FEATURES

BLUE FIN CONDENSER · BASE PAN HEATER

OUTDOOR UNIT Model Number			CU-2Z18ABUC			CU-3Z22ABUC			CU-4Z24BBUC			CU-5Z36BBUC		
Standard Indoor Units*			CS-XZ9AKUAW x2			CS-MXZ7AKUA x3			CS-MXZ5AKUA x2 CS-MXZ7AKUA x2			CS-XZ9AKUAW x1 CS-MXZ7AKUA x4		
Power Supply	V, Phase, Hz		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
Cooling	Capacity	Btu/h	7200	18000	25600	7200	22000	30000	10200	24000	31400	9900	36000	39000
	Input Power	W	360	1200	2000	380	1720	2420	530	1780	2810	550	3050	3550
	EER2	Btu/hW	20.00	15.00	12.80	18.95	12.75	12.40	19.25	13.45	11.15	18.00	11.80	11.00
Heating	Capacity	Btu/h	5800	22000	29800	5500	26000	34200	8500	32000	48500	8500	36000	49500
	Input Power	W	320	1660	2480	320	1760	2780	500	2180	4380	500	2730	4240
	COP	Btu/hW	18.15	13.25	12.00	17.20	14.75	12.30	17.00	14.70	11.05	17.00	13.20	11.65
Noise	Cooling	dB-A (H/Q-Lo)	48 / 43			50 / 45			55 / 50			55 / 50		
	Heating	dB-A (H/Q-Lo)	50 / 45			52 / 47			55 / 50			55 / 50		
Max Current / Max Input Power		A / W	15.6 / 3590			15.9 / 3660			21.3 / 4750			21.7 / 4840		
Starting Current / Compressor Output		A / W	8.2 / 1500			8.6 / 1500			11.8 / 1700			15.4 / 1700		
Min Circuit Ampacity		A	20			25			30			30		
Max Overcurrent Protection		A	30			30			45			45		
Capacity Range		kW	3.2 - 7.7			4.5 - 9.5			4.5 - 13.6			4.5 - 17.5		
SEER2			22.5			24.5			24.0			22.0		
HSPF2	Region IV		12.5			10.7			11.4			10.3		
HSPF2	Region V		10.0			8.7			8.7			7.5		
ENERGY STAR® Certified			YES			YES			YES			YES		
NEEP			YES			YES			YES			YES		
Air Flow	Cooling	CFM	1567			1630			2697			2697		
	Heating	CFM	1567			1630			2330			2475		
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			R32			R32		
Refrigerant Amount		oz	67.8			85.4			110.1			110.1		
Refrigerant Piping	Type		Flared			Flared			Flared			Flared		
	Diameter	in (Liquid/Gas)	1/4 / 3/8			1/4 / 3/8			1/4 / 3/8			1/4 / 3/8		
	Standard Length	ft	24.6			24.6			24.6			24.6		
	Length Min - Max (1 Room)	ft	9.8 - 82.0			9.8 - 82.0			9.8 - 82.0			9.8 - 82.0		
	Max Length (Total Rooms)	ft	164			196.8			229.6			262.4		
Indoor & Outdoor Unit Height Difference		ft	49.2			49.2			49.2			49.2		
Additional Gas Amount		oz/ft	0.2			0.2			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]**	12-5/8	39-11/32	37-1/32	13-13/32	39-11/32	37-1/32	13-13/32
Unit Weight		lb	128			137			179			179		
Carton Dimensions		in (H/W/D)	35-7/32	41-5/16	19-1/8	35-7/32	41-5/16	19-1/8	44-3/4	42-5/16	19-29/32	44-3/4	42-5/16	19-29/32
Carton Weight		lb	141			150			194			194		

* 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.
** +[3-3/4] inches is the width including the control board cover

Multi-Zone Combination Chart

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

CONNECTABLE INDOOR UNIT		OUTDOOR UNIT														
		2 Rooms		3 Rooms			4 Rooms				5 Rooms					
		CU-2Z18ABUC		CU-3Z22ABUC			CU-4Z24BBUC				CU-5Z36BBUC					
Capacity	Type	Room A	Room B	Room A	Room B	Room C	Room A	Room B	Room C	Room D	Room A	Room B	Room C	Room D	Room E
1.6 kW	CS-MXZ5AKUA	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2.0 kW	CS-MXZ7AKUA	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2.5 kW	CS-Z9AKUAW CS-XZ9AKUAW	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3.5 kW	CS-Z12AKUAW CS-XZ12AKUAW	●	●	●	●		●	●	●		●	●	●	●	●
4.2 kW	CS-Z15AKUAW CS-XZ15AKUAW	●		●	●		●	●	●		●	●	●	●	
5.0 kW	CS-Z18AKUAW CS-XZ18AKUAW	●		●			●	●			●	●	●		
7.0 kW	CS-Z24AKUAW CS-XZ24AKUAW						●				●	●			
Capacity range of connectable indoor units		From 3.2 kW to 7.7 kW		From 4.5 kW to 9.5 kW			From 4.5 kW to 13.6 kW				From 4.5 kW to 17.5 kW					

1. At lease 2 indoor units must be connected. Can connect:
   - 2 indoor units with CU-2Z18ABUC
   - 2-3 indoor units with CU-3Z22ABUC
   - 2-4 indoor units with CU-4Z24BBUC
   - 2-5 indoor units with CU-5Z36BBUC

2. Select the indoor units so that the total capcity (kW) falls within the specified range at the bottom of the chart.

Panasonic

NOTES

Panasonic

Central Heat Pump Systems

INTERIOS™

PRODUCT LINE-UP

Central Heat Pump System with Auxiliary Heater

- Regular Heat and Extreme Heat

ENERGY STAR

Hybrid A-Coil System

- Extreme Heat

ENERGY STAR

New Remote Control

More sleek, modern and easy to use.

Wired Controller

Wireless Remote Control

KEY FEATURES

Designed for cold climate conditions
- Continuous operation down to -30°C/-22°F

Flexible communication modes
- 485 or 24V

Flexible installation (Vertical or Horizontal)

A2L refrigerant sensor included

Easier installation and service (compared to previous R410A refrigerant model)

R454B Refrigerant
Compared to R410A Refrigerant

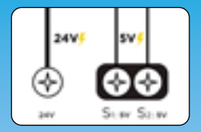
Has **HIGHER COOLING CAPACITY** so increases heat transfer efficiency.

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

Has **ZERO IMPACT** on the ozone layer, and has **LOWER GLOBAL WARMING POTENTIAL**.

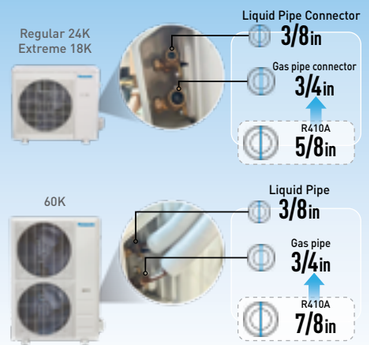
Easy Installation & Service

Easy-to-Connect 24V Connection Board

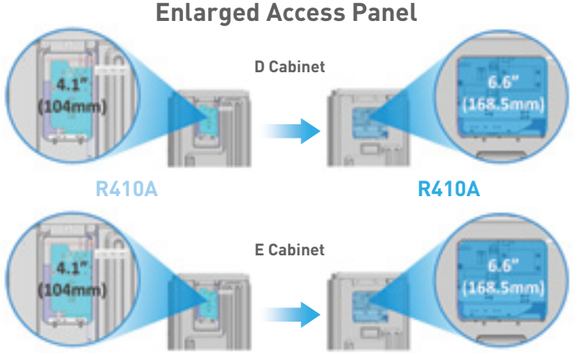


Easy connection
The 24V & S1/S2 terminal are put separately in the new connection board, so it's easier for the installers to find the right terminals.

Unified Connection Pipes and Values for 24V Heat Pump



Enlarged Access Panel



Easy to do wiring I Easy to Spot Check

Easy to fit in any space
Smaller outdoor unit design.

Cold Climate Capabilities*

There is a solution for
any climate condition

100%
HEATING OUTPUT
down to -15°C (5°F)

-30°C (-22°F)
CONTINUOUS OPERATION
as Cold as -30°C (-22°F)

Auxiliary Heaters

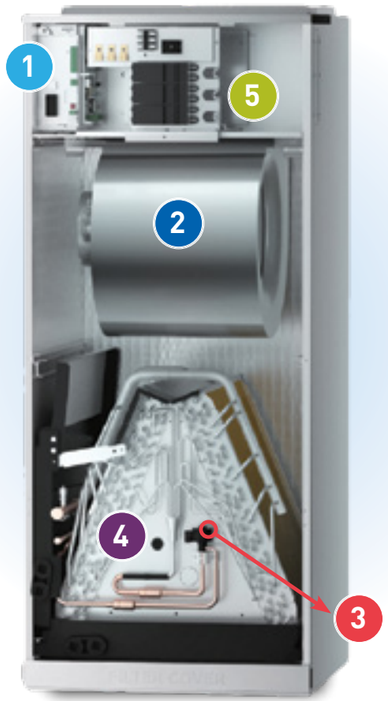
Auxiliary Heaters kits can be added to the the Central Heat Pump System, so both the fast and intense heat from the electric heater, and the efficient and stable heat generated by the heat pump can be offered. The programmable controller activates the Auxiliary Heater as required. This enables the customers to choose the best heating combination for the climate they live in.

Model Number	Heat Power
CZ-FM03P	3 kW
CZ-FM05P	5 kW
CZ-FM08P	8 kW
CZ-FM10P	10 kW
CZ-FM15P	15 kW
CZ-FM20P	20 kW
CZ-FM25P	25 kW

Communication Modes*

*Only applicable for the Central Heat Pump System.
Not applicable for the A-Coil System.

Central Heat Pump System



EASY ACCESS
Just remove 2 screws for access to the electrical board, blower and heater.

SLIDE-OUT FAN
Easily take out the fan motor for maintenance.

INTELLIGENT DIAGNOSTICS
Easily accessible service code display.

MAGNETIC FILTER COVER
One click to replace the standard filter.

MULTI-POSITION AIR HANDLER
Vertical or horizontal flexible installation.

1. Compatible with 485 or 24V thermostat connection.
2. Constant CFM ECM motor provides consistent airflow up to 0.8 in. w.c.
3. Electronic expansion valve (EEV) control: better throttling for highly effiecient operation.
4. Optional auxiliary heat kits available up to 25kW.
5. All-Aluminum Coil.
6. Quiet Operation - down to 35 dB(A) level.

Hybrid A-Coil System

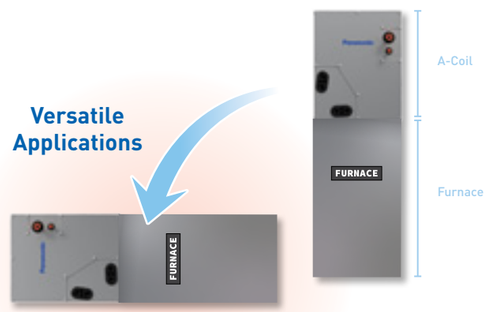
COLD
When it is cold outside, the Heat Pump provides efficient heating.

EXTREME COLD
When the temperature drops below -30°C (-22°F), the system will switch over to the furnace for comfortable whole-home heating.

HOT
When it is hot outside, the Heat Pump provides efficient cooling.

All Aluminum Coil

Versatile Applications



Flexible, multi-position design.

Central Heat Pump System
(Regular Heat Series)

MODEL			CS-HM18BAHU			CS-HM24BAHU			CS-HM30BAHU			CS-HM36BAHU			CS-HM48BAHU			CS-HM60BAHU		
	OUTDOOR UNIT		CU-M18BAHU			CU-M24BAHU			CU-M30BAHU			CU-M36BAHU			CU-M48BAHU			CU-M60BAHU		
Power Supply	INDOOR UNIT	V, Phase, Hz	115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz		
	OUTDOOR UNIT	V, Phase, Hz	208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz		
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling	Capacity	Btu/h	5350	18000	20000	7200	24000	27000	10400	30000	34000	8300	36000	38900	16600	48000	49900	21000	54000	55000
	Input Power	W	400	1635	1900	530	2181	2870	735	2778	3230	710	3600	4500	1400	4800	5350	1800	6200	6410
Heating	Capacity	Btu/h	5600	18000	19000	7100	26000	30000	6400	31000	32000	6700	36000	41300	15300	48000	49500	26000	54000	55000
	Input Power	W	340	1675	1650	440	2396	2730	455	2595	2550	460	3100	3550	1025	4085	4650	975	4650	4810
Noise	Indoor	dB-A (H/M/L)	43	41	33	44	42	28	46	42	29	48	45	28	53	50	44	52	49	34.5
	Outdoor	dB-A (H)	55			60			60			63			65			65		
EER2			11.0			11.0			10.7			10.0			10.0			8.6		
SEER2			18.8			18.1			17.0			16.1			16.0			15.2		
COP			3.15			3.18			3.50			3.40			3.45			3.37		
HSPF2	Region IV		9.1			9.7			8.5			8.7			8.5			8.4		
HSPF2	Region V		7.0			7.7			6.6			7.0			7.2			6.8		
ENERGY STAR® Certified			YES			YES			YES			YES			YES			YES		
Min Circuit Ampacity	Indoor	A (115V / 208/230V)	5.5 / 4.0			5.5 / 4.0			8.0 / 6.0			8.0 / 6.0			14.5 / 11.0			14.5 / 11.0		
	Outdoor	A	16.0			19.0			22.5			24.0			36.0			39.0		
Max Fuse	Indoor	A	15			15			15			15			15			15		
	Outdoor	A	20			20			25			30			40			40		
Fan Motor RLA	Indoor	A	2.0			3.0			4.5			4.5			7.8			8.3		
	Outdoor	A	0.8			1.0			1.1			1.5			2.0			1.2		
Air Flow	Indoor	CFM (Turbo/H/M/L)	618	577	530	489	824	759	695	630	989	895	806	712	1189	1083	971	865	1601	1472	1283	1095	1807	1583	1360	1136
	Outdoor	CFM	1451			1766			3002			2413			3037			3037		
Operation Condition	Cooling	Indoor	16°C to 32°C / 60°F to 90°F																	
		Outdoor	-25°C to 50°C / -13°F to 122°F																	
	Heating	Indoor	0°C to 30°C / 32°F to 86°F																	
		Outdoor	-25°C to 24°C / -13°F to 75°F																	
Refrigerant Type			R454B			R454B			R454B			R454B			R454B			R454B		
Refrigerant Amount		oz	51.15			74.08			91.71			116.40			134.04			134.04		
Refrigerant Piping	Diameter	in (Liquid/Gas)	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4		
	Max Length	ft	98.4			164			164			246			246			246		
Indoor & Outdoor Unit Height Difference		ft	65.6			82			82			98.4			98.4			98.4		
Additional Gas Amount		oz/ft	0.7			0.7			0.7			0.7			0.7			0.7		
Unit Dimensions	Indoor	in (H x W x D)	45 x 21 x 17-1/2			45 x 21 x 17-1/2			49 x 21 x 21			49 x 21 x 21			53 x 21 x 24-1/2			53 x 21 x 24-1/2		
	Outdoor	in (H x W x D)	21-13/16 x 31-11/16 x 13			26-1/2 x 35 x 13-1/2			31-7/8 x 37-1/4 x 16-1/8			31-7/8 x 37-1/4 x 16-1/8			38-3/8 x 38-9/16 x 16-5/16			38-3/8 x 38-9/16 x 16-5/16		
Unit Weight	Indoor	lb	105.82			105.60			128.97			129.41			162.92			162.92		
	Outdoor	lb	77.16			102.29			141.76			153.22			192.90			192.90		
Carton Dimensions	Indoor	in (H x W x D)	48-5/8 x 26-9/16 x 20-7/8			48-5/8 x 26-9/16 x 20-7/8			52-1/2 x 26-9/16 x 24-7/16			52-1/2 x 26-9/16 x 24-7/16			56-1/2 x 28 x 26-3/4			56-1/2 x 28 x 26-3/4		
	Outdoor	in (H x W x D)	24-3/16 x 36 x 14-9/16			29-1/8 x 39-3/16 x 15-11/16			34-13/16 x 42-15/16 x 19-11/16			34-13/16 x 42-15/16 x 19-11/16			42-1/2 x 45-1/16 x 19-11/16			42-1/2 x 45-1/16 x 19-11/16		
Carton Weight	Indoor	lb	126.76			127.43			153.44			153.88			190.92			190.92		
	Outdoor	lb	83.77			109.13			152.34			163.58			224.21			224.21		

Central Heat Pump System
(Extreme Heat Series)

MODEL			CS-HM18BAHU			CS-HM24BAHU			CS-HM30BAHU			CS-HM36BAHU			CS-HM48BAHU			CS-HM60BAHU		
	OUTDOOR UNIT		CU-HM18BAHU			CU-HM24BAHU			CU-HM30BAHU			CU-HM36BAHU			CU-HM48BAHU			CU-HM55BAHU		
Power Supply	INDOOR UNIT	V, Phase, Hz	115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz		
	OUTDOOR UNIT	V, Phase, Hz	208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz		
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling	Capacity	Btu/h	5600	18000	22000	7200	23000	27000	12800	30000	39000	9700	36000	42000	15600	48000	51000	11400	54000	56300
	Input Power	W	440	1445	1950	530	1965	2870	850	2567	3620	820	3076	4440	1345	4690	5180	1540	5400	6430
Heating	Capacity	Btu/h	6000	19000	22000	7100	24000	30000	10300	34000	38500	11000	37000	48000	15500	50000	57300	8100	56000	64500
	Input Power	W	500	1740	1950	440	2112	2730	655	2790	3020	665	3012	4370	1045	4750	5200	725	5300	5970
Noise	Indoor	dB-A (H/M/L)	41	39	33	44	42	28	46	43	27.5	48	45.5	25.5	52	50	34	52	49.5	34.5
	Outdoor	dB-A (H)	59			60			60.5			62.5			65			65		
EER2			12.5			11.7			11.7			11.7			10.5			10.0		
SEER2			19.0			18.3			16.8			17.4			16.5			16.0		
COP			3.20			3.33			3.65			3.60			3.40			3.10		
HSPF2	Region IV		9.7			10.0			10.0			10.2			9.5			9.0		
HSPF2	Region V		8.0			8.0			8.3			8.6			8.0			8.0		
ENERGY STAR® Certified			YES			YES			YES			YES			YES			YES		
Min Circuit Ampacity	Indoor	A (115V / 208/230V)	5.5 / 4.0			5.5 / 4.0			8.0 / 6.0			8.0 / 6.0			14.5 / 11.0			14.5 / 11.0		
	Outdoor	A	16.0			19.0			29.5			29.0			38.0			40.0		
Max Fuse	Indoor	A	15			15			15			15			15			15		
	Outdoor	A	20			20			30			30			40			40		
Fan Motor RLA	Indoor	A	2.0			3.0			4.5			4.5			7.8			8.3		
	Outdoor	A	0.9			1.0			1.5			2.4			2.0			1.2		
Air Flow	Indoor	CFM (Turbo/H/M/L)	618	577	530	489	824	759	695	630	989	895	806	712	1189	1083	971	865	1601	1472	1283	1095	1807	1583	1360	1136
	Outdoor	CFM	1766			1766			3002			3002			3037			2649		
Operation Condition	Cooling	Indoor	16°C to 32°C / 60°F to 90°F																	
		Outdoor	-30°C to 50°C / -22°F to 122°F																	
	Heating	Indoor	0°C to 30°C / 32°F to 86°F																	
		Outdoor	-30°C to 24°C / -22°F to 75°F																	
Refrigerant Type			R454B			R454B			R454B			R454B			R454B			R454B		
Refrigerant Amount		oz	74.08			74.08			105.82			126.99			134.04			183.42		
Refrigerant Piping	Diameter	in (Liquid/Gas)	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4		
	Max Length	ft	98.4			164			164			246			246			246		
Indoor & Outdoor Unit Height Difference		ft	65.6			82.0			82.0			98.4			98.4			98.4		
Additional Gas Amount		oz/ft	0.7			0.7			0.7			0.7			0.7			0.7		
Unit Dimensions	Indoor	in (H x W x D)	45 x 21 x 17			45 x 21 x 17			49 x 21 x 21			49 x 21 x 21			53 x 21 x 24-1/2			53 x 21 x 24-1/2		
	Outdoor	in (H x W x D)	26-1/2 x 35 x 13-1/2			26-1/2 x 35 x 13-1/2			31-7/8 x 37-1/4 x 16-1/8			38-9/16 x 16-5/16 x 38-3/8			38-9/16 x 16-5/16 x 38-3/8			52-1/2 x 37-1/2 x 16-5/16		
Unit Weight	Indoor	lb	105.82			105.60			128.97			129.41			162.92			162.92		
	Outdoor	lb	101.40			102.29			164.02			204.15			201.06			242.95		
Carton Dimensions	Indoor	in (H x W x D)	48-5/8 x 26-9/16 x 20-7/8			48-5/8 x 26-9/16 x 20-7/8			52-9/16 x 26-9/16 x 24-7/16			52-9/16 x 26-9/16 x 24-7/16			56-1/2 x 28 x 26-3/4			56-1/2 x 28 x 26-3/4		
	Outdoor	in (H x W x D)	29-1/8 x 39-3/16 x 15-11/16			29-1/8 x 39-3/16 x 15-11/16			34-13/16 x 42-15/16 x 19-11/16			42-1/2 x 45-1/16 x 19-11/16			42-1/2 x 45-1/16 x 19-11/16			58-1/4 x 43-1/16 x 19-1/2		
Carton Weight	Indoor	lb	126.76			127.43			153.44			153.88			190.92			190.92		
	Outdoor	lb	109.13			109.13			174.60			235.23			232.36			275.13		

Hybrid A-Coil System
(Extreme Heat Series)
1.5 - 2 Ton Capacity

MODEL			CS-HM24BAAU1			CS-HM24BAAU2			CS-HM24BAAU1			CS-HM24BAAU2		
	INDOOR UNIT		CU-HM18BAHU			CU-HM18BAHU			CU-HM24BAHU			CU-HM24BAHU		
Power Supply	INDOOR UNIT	V, Phase, Hz	24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz		
	OUTDOOR UNIT	V, Phase, Hz	208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz		
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling	Capacity	Btu/h	56000	18000	22800	5600	18000	22800	7900	24000	27600	7900	24000	27600
	Input Power	W	530	1538	2120	530	1538	2120	680	2400	2890	680	2400	2890
Heating	Capacity	Btu/h	5600	19000	22800	5600	19000	22800	6500	25000	30000	6500	25000	30000
	Input Power	W	350	1687	2040	350	1687	2040	330	2290	2900	330	2290	2900
Noise	Outdoor	dB-A (H)	58			58			60			60		
EER2		Btu/h/W	11.7			11.7			10.0			10.0		
SEER2		Btu/h/W	16.1			16.1			16.0			16.0		
COP		W/W	3.30			3.30			3.20			3.20		
HSPF2	Region IV	Btu/h/W	9.5			9.5			9.5			9.5		
HSPF2	Region V	Btu/h/W	7.8			7.8			7.0			7.0		
ENERGY STAR® Certified			YES			YES			YES			YES		
Min Circuit Ampacity	Outdoor	A	16.0			16.0			19.0			19.0		
Max Fuse	Outdoor	A	20			20			20			20		
Fan Motor RLA	Outdoor	A	0.9			0.9			1.0			1.0		
Air Flow	Outdoor	CFM	1766			1766			1766			1766		
Operation Condition	Cooling	Indoor	16°C to 32°C / 60°F to 90°F											
		Outdoor	-30°C to 50°C / -22°F to 122°F											
	Heating	Indoor	0°C to 30°C / 32°F to 86°F											
		Outdoor	-30°C to 24°C / -22°F to 75°F											
Refrigerant Type			R454B			R454B			R454B			R454B		
Refrigerant Amount		oz	74.08			74.08			74.08			74.08		
Refrigerant Piping	Diameter	in (Liquid/Gas)	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4		
	Max Length	ft	98			98			164			164		
Indoor & Outdoor Unit Height Difference		ft	66			82			82			82		
Additional Gas Amount		oz/ft	0.7			0.7			0.7			0.7		
Unit Dimensions	Indoor	in (H x W x D)	18 x 14-1/2 x 21			18 x 17-1/2 x 21			18 x 14-1/2 x 21			18 x 17-1/2 x 21		
	Outdoor	in (H x W x D)	26-1/2 x 35 x 13-1/2			26-1/2 x 35 x 13-1/2			26-1/2 x 35 x 13-1/2			26-1/2 x 35 x 13-1/2		
Unit Weight	Indoor	lb	42			42			42			42		
	Outdoor	lb	101			101			102			102		
Carton Dimensions	Indoor	in (H x W x D)	20-5/8 x 17-1/2 x 25-3/8			20-7/8 x 20-1/2x 26-1/8			20-5/8 x 17-1/2 x 25-3/8			20-7/8 x 20-1/2x 26-1/8		
	Outdoor	in (H x W x D)	29-1/8 x 39-1/8 x 15-5/8			29-1/8 x 39-1/8 x 15-5/8			29-1/8 x 39-1/8 x 15-5/8			29-1/8 x 39-1/8 x 15-5/8		
Carton Weight	Indoor	lb	50			50			50			50		
	Outdoor	lb	109			109			109			109		

Hybrid A-Coil System
(Extreme Heat Series)
2.5 - 3 Ton Capacity

MODEL			CS-HM36BAAU1			CS-HM36BAAU2			CS-HM36BAAU3			CS-HM36BAAU1			CS-HM36BAAU2			CS-HM36BAAU3		
	INDOOR UNIT		CU-HM30BAHU			CU-HM30BAHU			CU-HM30BAHU			CU-HM36BAHU			CU-HM36BAHU			CU-HM36BAHU		
Power Supply	INDOOR UNIT	V, Phase, Hz	24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz		
	OUTDOOR UNIT	V, Phase, Hz	208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz		
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling	Capacity	Btu/h	12600	30000	34800	13900	29000	37900	13900	29000	37900	11400	36000	39000	12100	36000	41000	12100	36000	41000
	Input Power	W	1160	3000	3680	1160	2900	3740	1160	2900	3740	800	3530	3250	1020	3364	4520	1020	3364	4520
Heating	Capacity	Btu/h	9800	30000	35900	13000	32000	40000	13000	32000	40000	11500	37000	46000	11500	38000	46000	11500	38000	46000
	Input Power	W	710	2931	3590	1088	2780	3482	1088	2780	3482	800	3375	4540	800	3375	4540	800	3375	4540
Noise	Outdoor	dB-A (H)	64			64			64			64			64			64		
EER2		Btu/h/W	10.0			10.0			10.0			10.2			10.7			10.7		
SEER2		Btu/h/W	15.3			16.0			16.0			15.2			15.8			15.8		
COP		W/W	3.00			3.37			3.37			3.10			3.30			3.30		
HSPF2	Region IV	Btu/h/W	9.3			10.0			10.0			9.0			9.4			9.4		
HSPF2	Region V	Btu/h/W	7.7			8.5			8.5			7.2			7.9			7.9		
ENERGY STAR® Certified			YES			YES			YES			YES			YES			YES		
Min Circuit Ampacity	Outdoor	A	29.5			29.5			29.5			29.0			29.0			29.0		
Max Fuse	Outdoor	A	30			30			30			30			30			30		
Fan Motor RLA	Outdoor	A	1.5			1.5			2.4			2.4			2.4			2.4		
Air Flow	Outdoor	CFM	3002			3002			3002			3002			3002			3002		
Operation Condition	Cooling	Indoor	16°C to 32°C / 60°F to 90°F																	
		Outdoor	-30°C to 50°C / -22°F to 122°F																	
	Heating	Indoor	0°C to 30°C / 32°F to 86°F																	
		Outdoor	-30°C to 24°C / -22°F to 75°F																	
Refrigerant Type			R454B			R454B			R454B			R454B			R454B			R454B		
Refrigerant Amount		oz	105.82			105.82			105.82			126.99			126.99			126.99		
Refrigerant Piping	Diameter	in (Liquid/Gas)	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4		
	Max Length	ft	164			164			164			246			246			246		
Indoor & Outdoor Unit Height Difference		ft	82			82.0			82.0			98			98			98		
Additional Gas Amount		oz/ft	0.7			0.7			0.7			0.7			0.7			0.7		
Unit Dimensions	Indoor	in (H x W x D)	23-5/16 x 14-1/2 x 21			23-1/2 x 17-1/2 x 21			24 x 21 x 21			23-5/16 x 14-1/2 x 21			23-1/2 x 17-1/2 x 21			24 x 21 x 21		
	Outdoor	in (H x W x D)	31-7/8 x 37-1/4 x 16-1/8			31-7/8 x 37-1/4 x 16-1/8			31-7/8 x 37-1/4 x 16-1/8			38-3/8 x 38-9/16 x 16-3/8			38-3/8 x 38-9/16 x 16-3/8			38-3/8 x 38-9/16 x 16-3/8		
Unit Weight	Indoor	lb	57			59.5			64			57			59.5			64		
	Outdoor	lb	164			164			164			204			204			204		
Carton Dimensions	Indoor	in (H x W x D)	26 x 17-1/2 x 25-3/8			26-3/8 x 20-1/2 x 26-1/8			26-3/8 x 20-1/2 x 26-1/8			26 x 17-1/2 x 25-3/8			26-3/8 x 20-1/2 x 26-1/8			26-3/8 x 20-1/2 x 26-1/8		
	Outdoor	in (H x W x D)	34-7/8 x 42-7/8 x 19-5/8			34-7/8 x 42-7/8 x 19-5/8			34-7/8 x 42-7/8 x 19-5/8			42-1/2 x 45-1/16 x 19-11/16			42-1/2 x 45-1/16 x 19-11/16			42-1/2 x 45-1/16 x 19-11/16		
Carton Weight	Indoor	lb	65			68			74			65			68			74		
	Outdoor	lb	175			175			175			235			235			235		

Hybrid A-Coil System
(Extreme Heat Series)
4 - 5 Ton Capacity

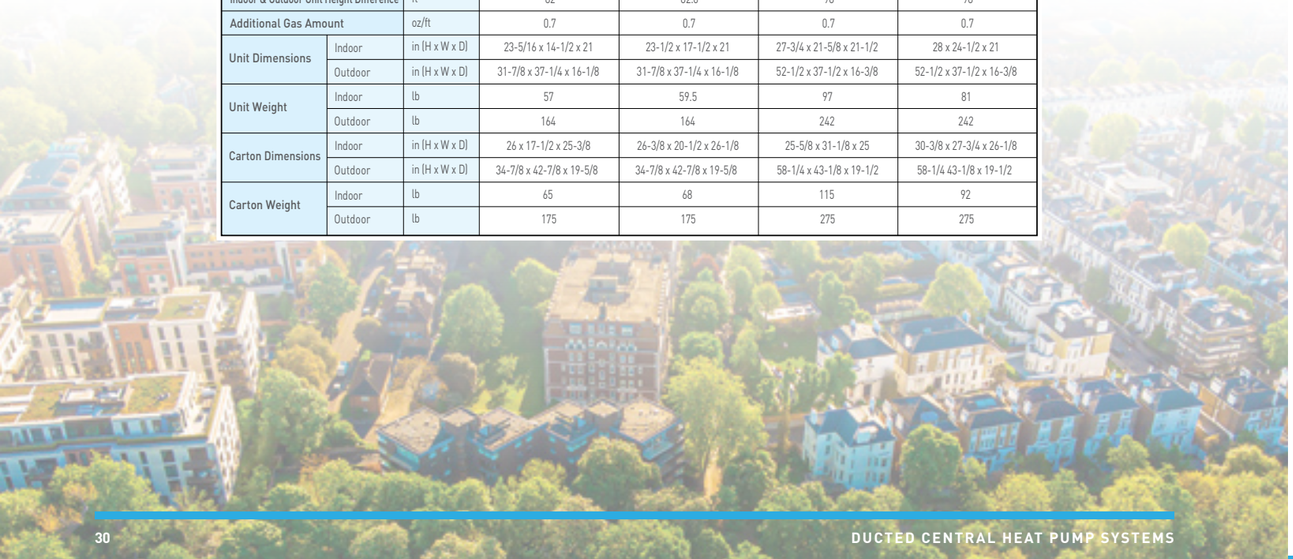

CU-HM48BAHU


CS-HM60BAAU4


CU-HM55BAHU


CS-HM60BAMU3

MODEL			INDOOR UNIT	CS-HM60BAMU3			CS-HM60BAAU4			CS-HM60BAMU3			CS-HM60BAAU4		
			OUTDOOR UNIT	CU-HM48BAHU			CU-HM48BAHU			CU-HM55BAHU			CU-HM55BAHU		
Power Supply	INDOOR UNIT	V, Phase, Hz		24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz		
	OUTDOOR UNIT	V, Phase, Hz		208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz		
				MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling	Capacity	Btu/h		16000	45000	48000	15500	45000	47000	23400	52000	55500	17600	53000	53400
	Input Power	W		1400	4500	5080	1400	4500	5030	1870	5200	6000	1520	6020	6040
Heating	Capacity	Btu/h		16000	48000	50000	16000	50000	52000	11700	56000	61300	21200	58000	59000
	Input Power	W		1200	4500	5300	1200	4650	5300	1090	5861	6270	1580	6159	6750
Noise	Outdoor	dB-A (H)		65			65			64			64		
EER2		Btu/h/W		10.0			10.0			10.0			8.8		
SEER2		Btu/h/W		15.2			14.5			15.9			14.5		
COP		W/W		3.12			3.15			2.80			2.76		
HSPF2	Region IV	Btu/h/W		8.8			8.4			8.5			8.1		
HSPF2	Region V	Btu/h/W		7.4			7.3			6.9			6.8		
ENERGY STAR® Certified				YES			YES			YES			YES		
Min Circuit Ampacity	Outdoor	A		38.0			38.0			40.0			40.0		
Max Fuse	Outdoor	A		40			40			40			40		
Fan Motor RLA	Outdoor	A		2.0			2.0			1.2			1.2		
Air Flow	Outdoor	CFM		3037.1			3037.1			2649			2649		
Operation Condition	Cooling	Indoor		16°C to 32°C / 60°F to 90°F											
		Outdoor		-30°C to 50°C / -22°F to 122°F											
	Heating	Indoor		0°C to 30°C / 32°F to 86°F											
		Outdoor		-30°C to 24°C / -22°F to 75°F											
Refrigerant Type				R454B			R454B			R454B			R454B		
Refrigerant Amount		oz		105.82			105.82			183.42			183.42		
Refrigerant Piping	Diameter	in (Liquid/Gas)		3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4		
	Max Length	ft		164			164			246			246		
Indoor & Outdoor Unit Height Difference		ft		82			82.0			98			98		
Additional Gas Amount		oz/ft		0.7			0.7			0.7			0.7		
Unit Dimensions	Indoor	in (H x W x D)		23-5/16 x 14-1/2 x 21			23-1/2 x 17-1/2 x 21			27-3/4 x 21-5/8 x 21-1/2			28 x 24-1/2 x 21		
	Outdoor	in (H x W x D)		31-7/8 x 37-1/4 x 16-1/8			31-7/8 x 37-1/4 x 16-1/8			52-1/2 x 37-1/2 x 16-3/8			52-1/2 x 37-1/2 x 16-3/8		
Unit Weight	Indoor	lb		57			59.5			97			81		
	Outdoor	lb		164			164			242			242		
Carton Dimensions	Indoor	in (H x W x D)		26 x 17-1/2 x 25-3/8			26-3/8 x 20-1/2 x 26-1/8			25-5/8 x 31-1/8 x 25			30-3/8 x 27-3/4 x 26-1/8		
	Outdoor	in (H x W x D)		34-7/8 x 42-7/8 x 19-5/8			34-7/8 x 42-7/8 x 19-5/8			58-1/4 x 43-1/8 x 19-1/2			58-1/4 43-1/8 x 19-1/2		
Carton Weight	Indoor	lb		65			68			115			92		
	Outdoor	lb		175			175			275			275		



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NOTES

breathe **well**

The Only Complete Air Quality Solution™

Panasonic

Clean Comfort Fresh

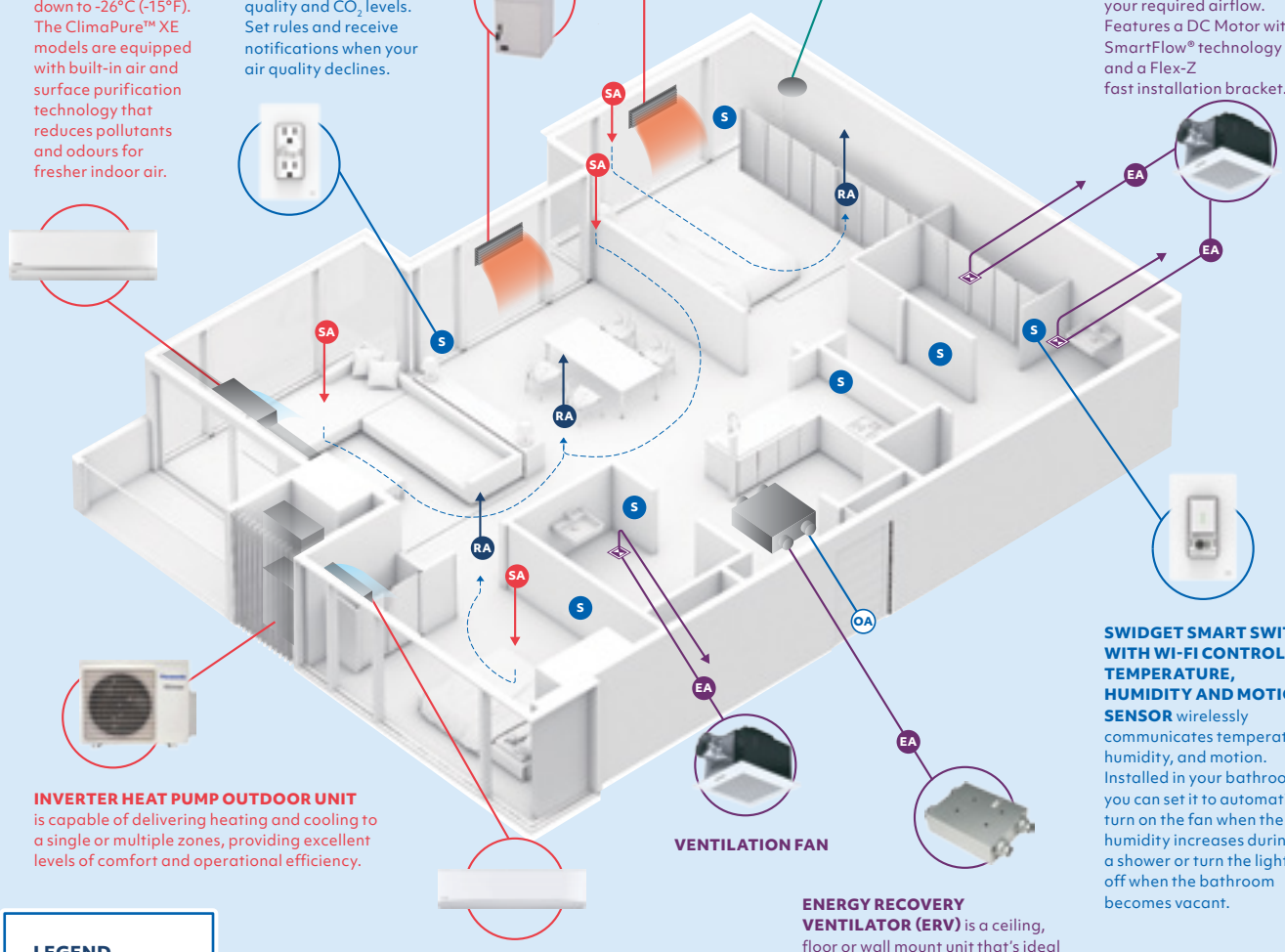
WHISPERAIR REPAIR® Ceiling Mount nanoe™ X Generator inhibits contaminants with silent operation. With a compact design, it deodorizes air and hydrates skin and hair.

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.

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 CO_2 levels. Set rules and receive notifications when your air quality declines.

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.

VENTILATION FAN with built-in Pick-A-Flow® speed selector switch allows you to select your required airflow. Features a DC Motor with SmartFlow® technology and a Flex-Z fast installation bracket.



SWIDGET SMART SWITCH WITH WI-FI CONTROL + TEMPERATURE, HUMIDITY AND MOTION SENSOR wirelessly communicates temperature, humidity, and motion. Installed in your bathroom you can set it to automatically turn on the fan when the humidity increases during a shower or turn the lights off when the bathroom becomes vacant.

INVERTER HEAT PUMP OUTDOOR UNIT is capable of delivering heating and cooling to a single or multiple zones, providing excellent levels of comfort and operational efficiency.

VENTILATION FAN

ENERGY RECOVERY VENTILATOR (ERV) is a ceiling, floor or wall mount unit that's ideal for meeting your ventilation needs. The multi-speed selector provides customizable supply and exhaust airflow to create balanced, positive or negative pressure within your space.

MULTI-ZONE WALL-MOUNTED A/C allows you to control the temperature independently in multiple areas around the home, providing optimal year-round comfort along with the reduced energy consumption.

LEGEND

- OA Outside Air
- EA Exhaust Air
- SA Supply Air
- RA Return Air
- S Swidget Smart Controls

learn more!