

# Panasonic

## RESIDENTIAL | LIGHT COMMERCIAL HEAT PUMP SOLUTIONS CATALOG



### NEW PRODUCT LINE UP

Specifications are subject to change without notice. Always refer to the official service and installation manuals for final specifications.

# 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

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



learn more!



### EASY REMOVAL

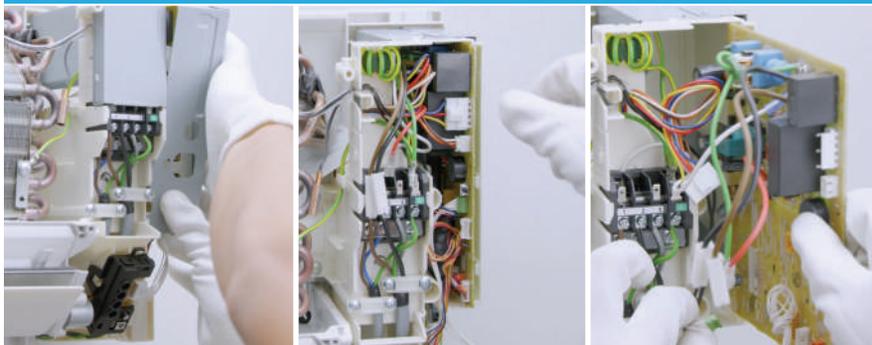
User-friendly slider locks



One-piece front grille

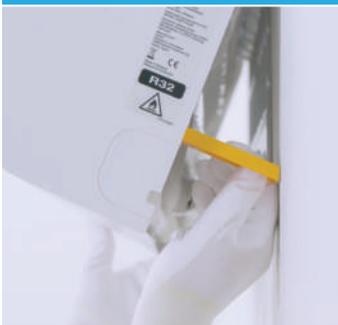


Simple steps for circuit board (PCB) removal

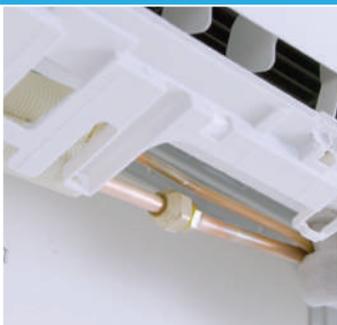


### EASY ACCESS

Built-in support holders



Piping storage



Easy access to drain hose and piping



Easy wire insertion and connection

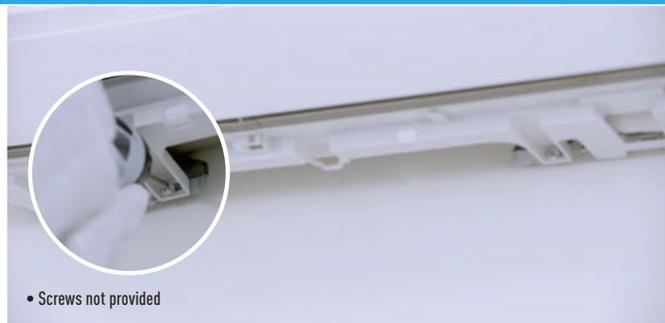


### NEAT INSTALLATION

Stronger installation plate



Screw holders for uneven surfaces



• Screws not provided



## PRODUCT LINE-UP

| Single-Zone   |  |
|---|--|
| <br><b>ClimaPure® XZ</b> |       |
|   |       |
|   |       |
| Multi-Zone  |  |
| <br><b>EXTERIOS Z</b>    |       |
|   |    |
|   |       |

\* ClimaPure® XZ and EXTERIOS Z units can be used in multi-zone system. Please refer to the combination chart on page 12 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



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



Panasonic Comfort Cloud®

Provides convenience to connect and control the Heat Pump anywhere, anytime.

### Comfort



A Heat Pump 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 Heat Pump 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.



## 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 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.



## Public Transport



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

## Office



4-way cassette



HITACHI  
Inspire the Next  
Elevators

## Home



Heat Pump (Indoor Unit)



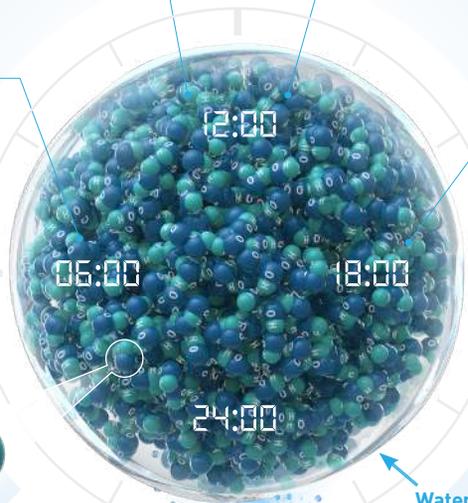
Refrigerators



Air Purifiers



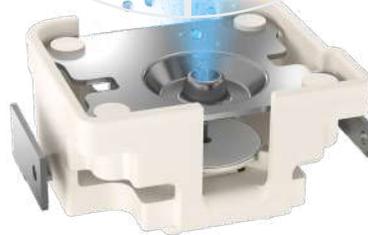
Washing Machines



## Automotive



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.



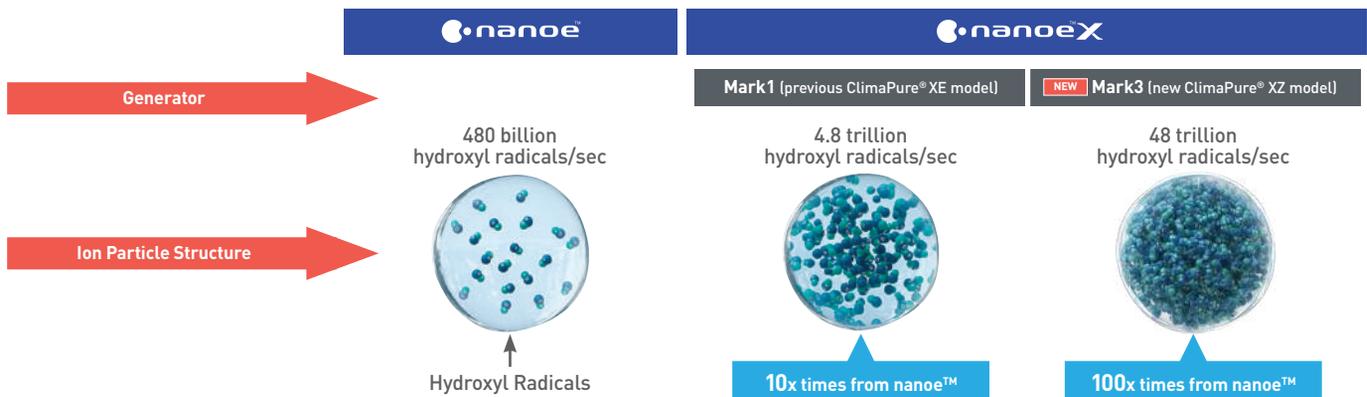
nanoe™ X Generator Mark3 Device



NEW

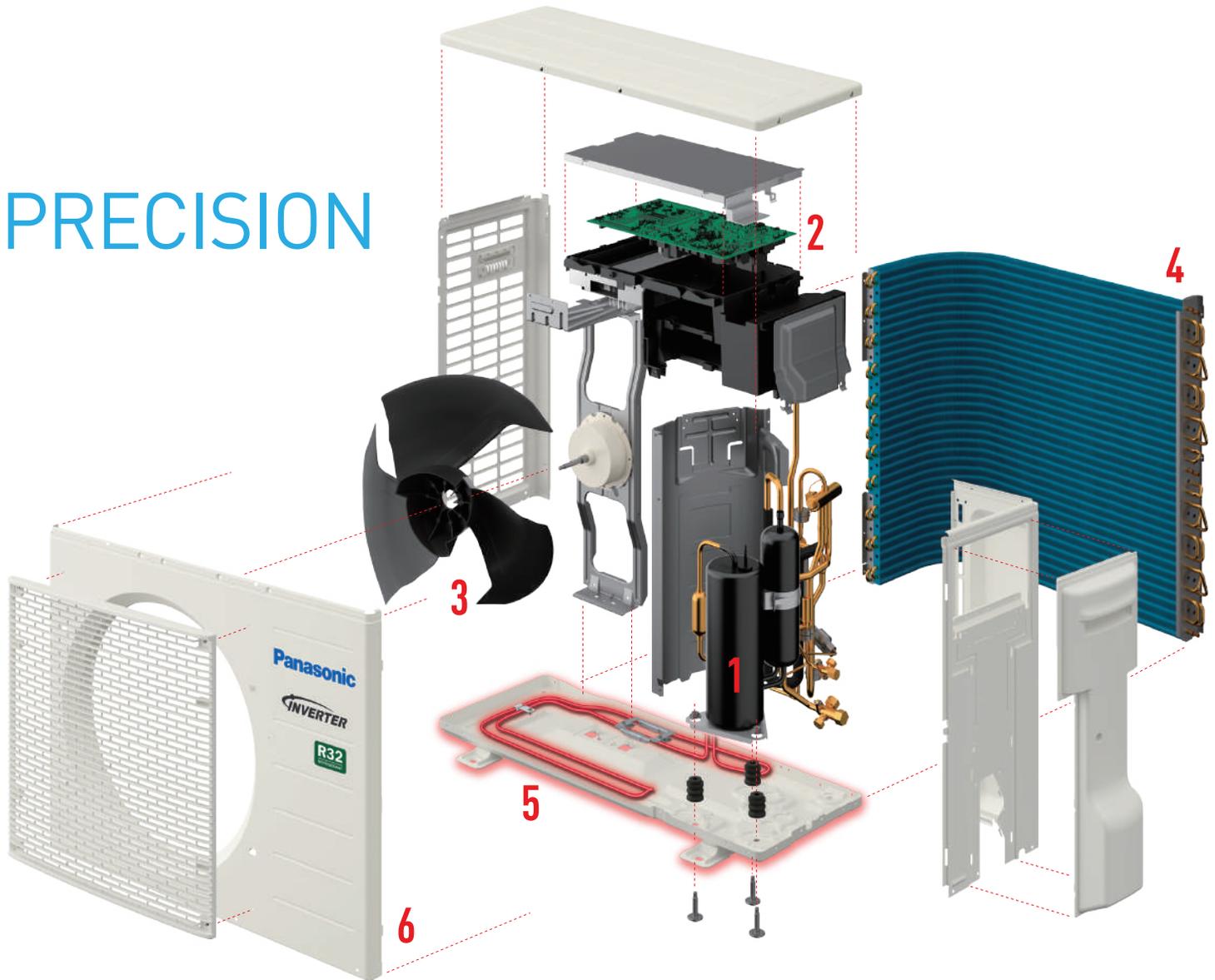
## Development of nanoe™ Technology

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  $-26^{\circ}\text{C}$  ( $-15^{\circ}\text{F}$ )

# 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\*

Helps prevent plumbing damage due to sub-freezing temperatures. Automatically turns on the compressor for heat pump operation if the room temperature falls below  $46^{\circ}\text{F}$  ( $7.8^{\circ}\text{C}$ ).

\* Not applicable to Multi-Zone heat pump.

# DURABILITY

# COLD CLIMATE OPERATION

Tested in Canada



## -35°C (-31°F)



### 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.

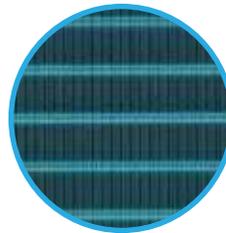
### Silicone Coating

The brains of the 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.



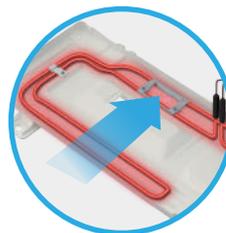
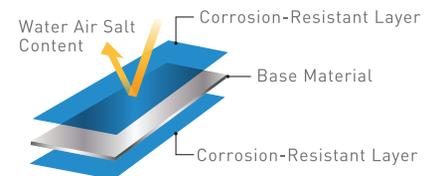
### 4 Blue Fin Condenser

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

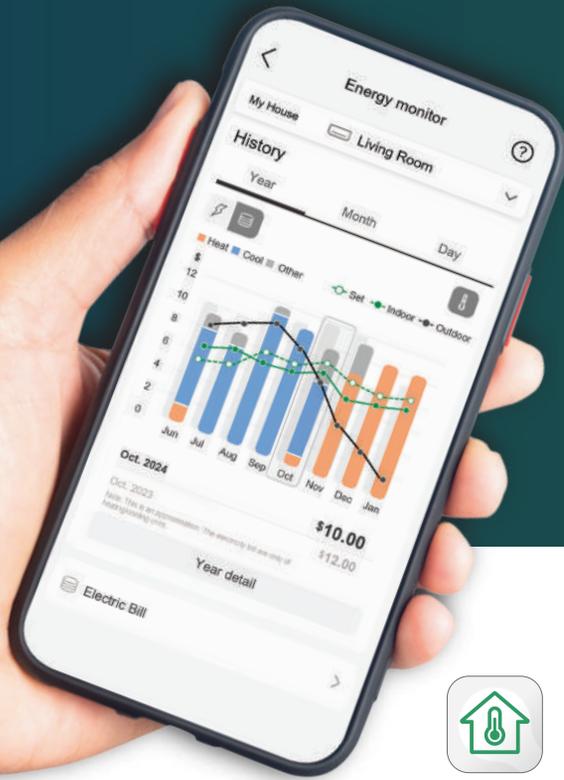
An industrial grade paint used on exterior finishes for guardrails, automobile parts provide corrosion resistance and durability.

\*\* For ClimaPure® XZ and EXTERIOS Z models only. Units independently tested in Canada to operate down to -35°C [-31°F], depending on conditions.



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

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



Panasonic Comfort Cloud®



## 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



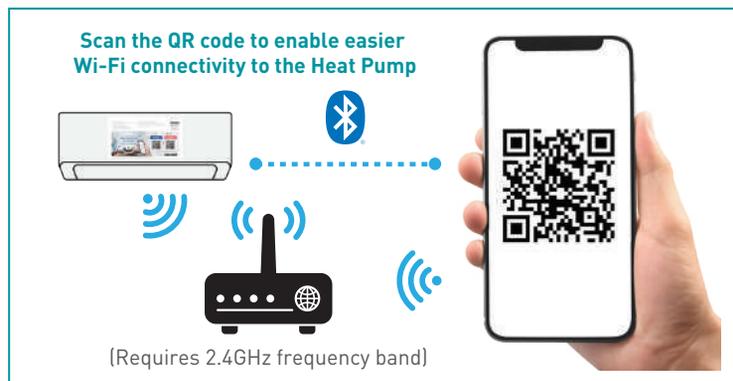
Error Notifications



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.



\* 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.

# 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.



### 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).



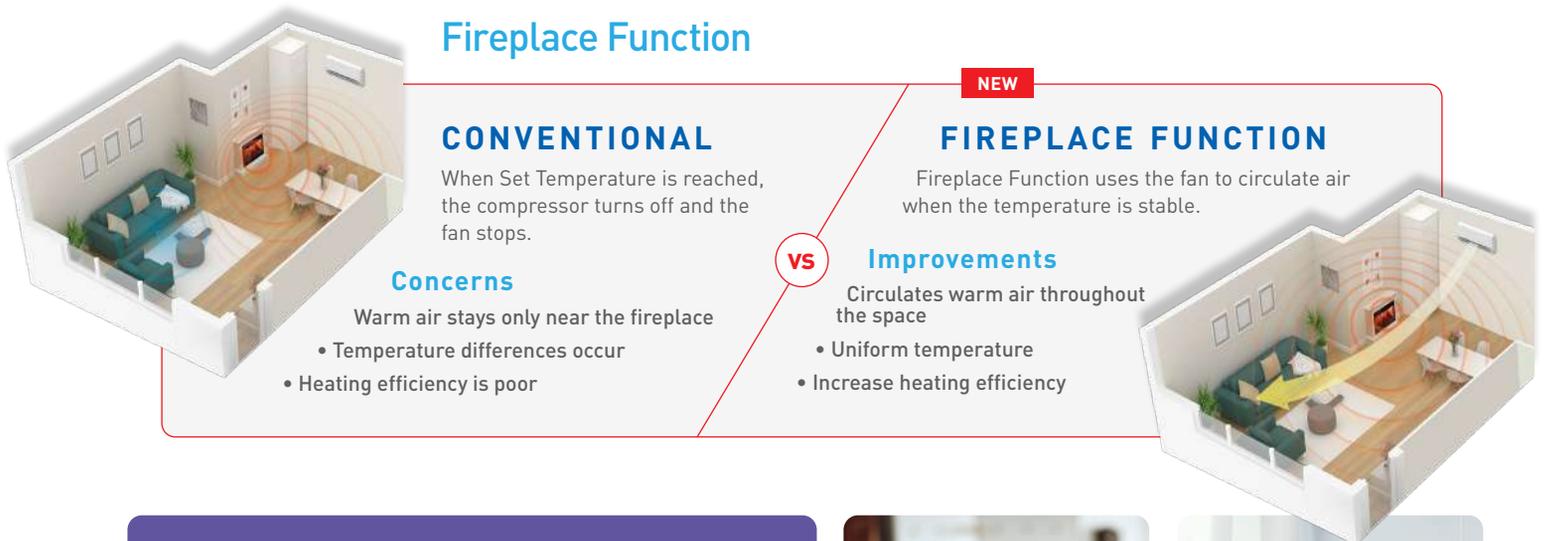
### Wide Output Range

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.



## 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.

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

# Single Zone Heat Pumps



CS-XZ9AKUAW  
CS-XZ12AKUAW  
CS-XZ15AKUAW



CS-XZ18AKUAW  
CS-XZ24AKUAW



CU-XZ9AKUAC  
CU-XZ12AKUAC



CU-XZ15AKUAC



CU-XZ18AKUAC  
CU-XZ24AKUAC

| 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              | W/W                 | 5.94                                   | 4.79     | 3.29                | 5.94               | 4.44     | 3.63                | 4.90               | 4.10     | 3.08                | 5.00               | 3.88     | 3.42                | 5.00               | 3.38     | 3.63    |
| 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                 |          |         |
|  | 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



CU-2Z18ABUC  
CU-3Z22ABUC



CU-4Z24BBUC  
CU-5Z36BBUC

| OUTDOOR UNIT Model Number               |                           |                 | CU-2Z18ABUC                          |                       |        | CU-3Z22ABUC         |                       |        | CU-4Z24BBUC                      |         |          | CU-5Z36BBUC                      |         |          |
|---|---------------------------|-----------------|--------------------------------------|-----------------------|--------|---------------------|-----------------------|--------|----------------------------------|---------|----------|----------------------------------|---------|----------|
| Standard Indoor Units*                  |                           |                 | CS-XZ9AKUAW x2                       |                       |        | CS-MXZ7AKUA x3      |                       |        | CS-MXZ5AKUA x2<br>CS-MXZ7AKUA x2 |         |          | CS-XZ9AKUAW x1<br>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                       | W/W             | 5.31                                 | 3.88                  | 3.53   | 5.00                | 4.34                  | 3.60   | 4.96                             | 4.30    | 3.24     | 4.96                             | 3.85    | 3.40     |
| Noise                                   | Cooling                   | dB-A (H/Q-L0)   | 48 / 43                              |                       |        | 50 / 45             |                       |        | 55 / 50                          |         |          | 55 / 50                          |         |          |
|   | Heating                   | dB-A (H/Q-L0)   | 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<br>(3-3/4)** | 12-5/8 | 31-5/16             | 34-15/32<br>(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 12.  
\*\* +(3-3/4) inches is the width including the control board cover

# Indoor Unit



CS-MXZ5AKUA  
CS-MXZ7AKUA

| INDOOR UNIT Model Number |             |                 | CS-MXZ5AKUA                     |         |        | CS-MXZ7AKUA         |         |        |
|--------------------------|-------------|-----------------|---------------------------------|---------|--------|---------------------|---------|--------|
| Power Supply             |             |                 | 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         | W/W             | 4.00                            | 4.08    | 3.52   | 4.00                | 3.96    | 3.53   |
| 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 12 for details.

# 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<br>= 5,500 BTU/hr                   | CS-MXZ5AKUA                 | •   | •      | •   | •      | •      | •  | •      | •      | •      | •  | •      | •      | •      | •      |  |
| 2.0 kW<br>= 6,800 BTU/hr                   | CS-MXZ7AKUA                 | •   | •      | •   | •      | •      | •  | •      | •      | •      | •  | •      | •      | •      | •      |  |
| 2.5 kW<br>= 8,500 BTU/hr                   | CS-Z9AKUAW<br>CS-XZ9AKUAW   | •   | •      | •   | •      | •      | •  | •      | •      | •      | •  | •      | •      | •      | •      |  |
| 3.5 kW<br>= 12,000 BTU/hr                  | CS-Z12AKUAW<br>CS-XZ12AKUAW | •   | •      | •   | •      | •      | •  | •      | •      | •      | •  | •      | •      | •      | •      |  |
| 4.2 kW<br>= 14,300 BTU/hr                  | CS-Z15AKUAW<br>CS-XZ15AKUAW | •   | •      | •   | •      | •      | •  | •      | •      | •      | •  | •      | •      | •      | •      |  |
| 5.0 kW<br>= 17,000 BTU/hr                  | CS-Z18AKUAW<br>CS-XZ18AKUAW | •   | •      | •   | •      | •      | •  | •      | •      | •      | •  | •      | •      | •      | •      |  |
| 7.0 kW<br>= 24,000 BTU/hr                  | CS-Z24AKUAW<br>CS-XZ24AKUAW |   |        |   |        |        | •  |        |        |        | •  | •      |        |        |        |  |
| Capacity range of connectable indoor units |                             | From 3.2 kW to 7.7 kW<br>= 11,000 – 26,500 BTU/hr |        | From 4.5 kW to 9.5 kW<br>= 15,000 – 32,500 BTU/hr |        |        | From 4.5 kW to 13.6 kW<br>= 15,000 – 46,500 BTU/hr |        |        |        | From 4.5 kW to 17.5 kW<br>= 15,000 – 60,000 BTU/hr |        |        |        |        |  |

1. At least 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 capacity (kW) falls within the specified range at the bottom of the chart.

# Multi-Zone Combination Chart

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      |  |
| 7 + 7       |  |
| 7 + 9       |  |
| 7 + 12      |  |
| 9 + 9       |  |
| 9 + 12      |  |
| 12 + 12     |  |

| 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 + 12 + 12 |
| 9 + 15      | 5 + 7 + 15  | 9 + 9 + 9   |
| 9 + 18      | 5 + 7 + 18  | 9 + 9 + 12  |
| 12 + 12     | 5 + 9 + 9   | 9 + 9 + 15  |
| 12 + 15     | 5 + 9 + 12  | 9 + 12 + 12 |
| 12 + 18     | 5 + 9 + 15  | -           |
| 15 + 15     | 5 + 12 + 12 | -           |
| 15 + 18     | 5 + 12 + 15 | -           |

| CU-4Z24BBUC |             |              |                 |                  |                   |
|-------------|-------------|--------------|-----------------|------------------|-------------------|
| 2 Zones     | 3 Zones     |              | 4 Zones         |                  |                   |
| 5 + 18      | 5 + 5 + 5   | 7 + 7 + 12   | 5 + 5 + 5 + 5   | 5 + 7 + 7 + 24   | 7 + 7 + 9 + 24    |
| 5 + 24      | 5 + 5 + 7   | 7 + 7 + 18   | 5 + 5 + 5 + 7   | 5 + 7 + 9 + 9    | 7 + 7 + 12 + 12   |
| 7 + 9       | 5 + 5 + 9   | 7 + 7 + 24   | 5 + 5 + 5 + 9   | 5 + 7 + 9 + 12   | 7 + 7 + 12 + 18   |
| 7 + 12      | 5 + 5 + 12  | 7 + 9 + 9    | 5 + 5 + 5 + 12  | 5 + 7 + 9 + 18   | 7 + 9 + 9 + 9     |
| 7 + 18      | 5 + 5 + 18  | 7 + 9 + 12   | 5 + 5 + 5 + 18  | 5 + 7 + 9 + 24   | 7 + 9 + 9 + 12    |
| 7 + 24      | 5 + 5 + 24  | 7 + 9 + 18   | 5 + 5 + 5 + 24  | 5 + 7 + 12 + 12  | 7 + 9 + 9 + 18    |
| 9 + 9       | 5 + 7 + 7   | 7 + 9 + 24   | 5 + 5 + 7 + 7   | 5 + 7 + 12 + 18  | 7 + 9 + 12 + 12   |
| 9 + 12      | 5 + 7 + 9   | 7 + 12 + 12  | 5 + 5 + 7 + 9   | 5 + 7 + 18 + 18  | 7 + 9 + 12 + 18   |
| 9 + 18      | 5 + 7 + 12  | 7 + 12 + 18  | 5 + 5 + 7 + 12  | 5 + 9 + 9 + 9    | 7 + 12 + 12 + 12  |
| 9 + 24      | 5 + 7 + 18  | 7 + 12 + 24  | 5 + 5 + 7 + 18  | 5 + 9 + 9 + 12   | 7 + 12 + 12 + 18  |
| 12 + 12     | 5 + 7 + 24  | 7 + 18 + 18  | 5 + 5 + 7 + 24  | 5 + 9 + 9 + 18   | 9 + 9 + 9 + 9     |
| 12 + 18     | 5 + 9 + 9   | 9 + 9 + 9    | 5 + 5 + 9 + 9   | 5 + 9 + 9 + 24   | 9 + 9 + 9 + 12    |
| 12 + 24     | 5 + 9 + 12  | 9 + 9 + 12   | 5 + 5 + 9 + 12  | 5 + 9 + 12 + 12  | 9 + 9 + 9 + 18    |
| 18 + 18     | 5 + 9 + 18  | 9 + 9 + 18   | 5 + 5 + 9 + 18  | 5 + 9 + 12 + 18  | 9 + 9 + 12 + 12   |
| 18 + 24     | 5 + 9 + 24  | 9 + 9 + 24   | 5 + 5 + 9 + 24  | 5 + 12 + 12 + 12 | 9 + 9 + 12 + 18   |
| —           | 5 + 12 + 12 | 9 + 12 + 12  | 5 + 5 + 12 + 12 | 5 + 12 + 12 + 18 | 9 + 12 + 12 + 12  |
| —           | 5 + 12 + 18 | 9 + 12 + 18  | 5 + 5 + 12 + 18 | 7 + 7 + 7 + 7    | 12 + 12 + 12 + 12 |
| —           | 5 + 12 + 24 | 9 + 12 + 24  | 5 + 5 + 12 + 24 | 7 + 7 + 7 + 9    | —                 |
| —           | 5 + 18 + 18 | 9 + 18 + 18  | 5 + 5 + 18 + 18 | 7 + 7 + 7 + 12   | —                 |
| —           | 5 + 18 + 24 | 12 + 12 + 12 | 5 + 7 + 7 + 7   | 7 + 7 + 7 + 18   | —                 |
| —           | 7 + 7 + 7   | 12 + 12 + 18 | 5 + 7 + 7 + 9   | 7 + 7 + 7 + 24   | —                 |
| —           | 7 + 7 + 9   | 12 + 12 + 24 | 5 + 7 + 7 + 12  | 7 + 7 + 9 + 9    | —                 |
| —           | —           | 12 + 18 + 18 | 5 + 7 + 7 + 18  | 7 + 7 + 9 + 12   | —                 |

**Indoor Unit Demand:** The Cooling and Heating Capacities are listed at the top of the specification chart of each Indoor Unit (see page 36 and 37). The total of these partial indoor capacities is the System Demand.

Now let's understand the term Diversity. Diversity is when the load in the conditioned space is not constant. For example the east side of a house has more direct sun and cooling load requirement in the morning and the west side has more direct sun and cooling load requirement in the afternoon.

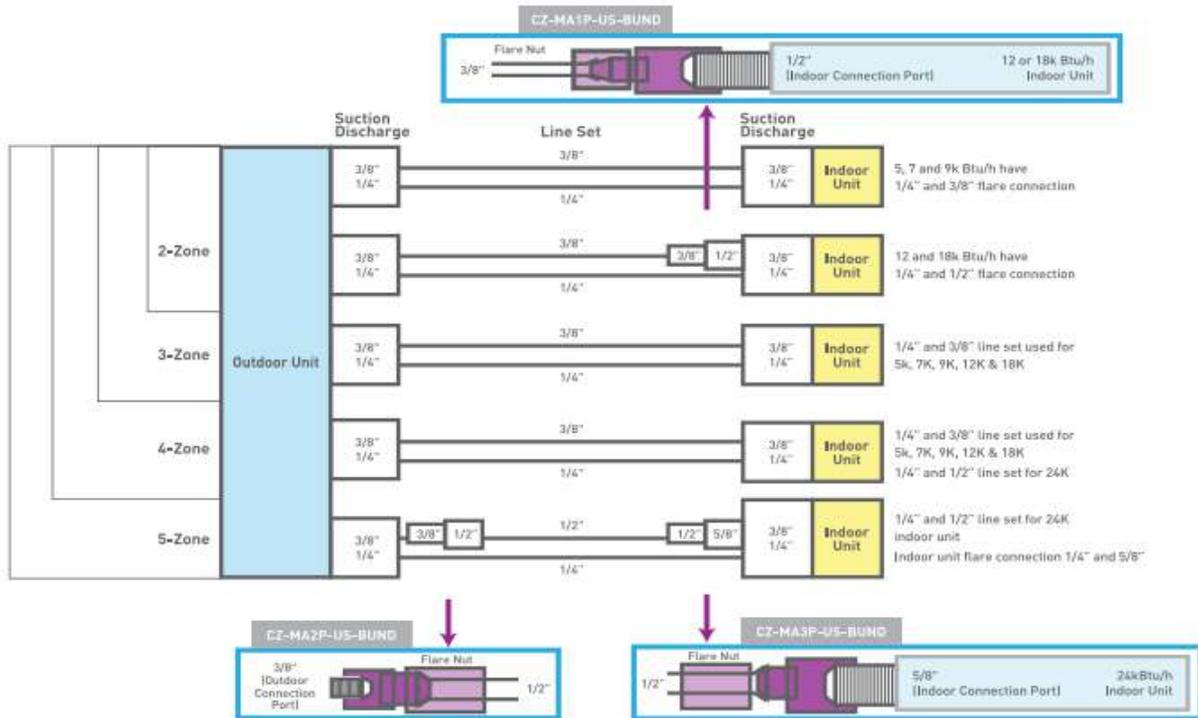
A system sizing calculation that plans for diversity may size up to approximately 130% of indoor unit demand versus the outdoor unit's system capacity provided that planned operating demand throughout the day never exceeds 100% of system capacity. If there is no planned Diversity then the indoor unit demand should not exceed 100% of the outdoor unit capacity.

Therefore, a first step in sizing and selecting any multi-zone system is to understand the System Demand that the building requires before moving on to selecting Indoor unit combinations.

| CU-5Z36BBUC |         |          |           |            |             |             |              |               |                |
|-------------|---------|----------|-----------|------------|-------------|-------------|--------------|---------------|----------------|
| 2 Zones     | 3 Zones |          | 4 Zones   |            |             | 5 Zones     |              |               |                |
| 5+12        | 5+5+5   | 7+7+7    | 5+5+5+5   | 5+7+18+18  | 7+9+9+18    | 5+5+5+5+7   | 5+5+9+9+9    | 5+7+12+12+12  | 7+7+9+9+18     |
| 5+18        | 5+5+7   | 7+7+9    | 5+5+5+7   | 5+7+18+24  | 7+9+9+24    | 5+5+5+5+9   | 5+5+9+9+12   | 5+7+12+12+18  | 7+7+9+9+24     |
| 5+24        | 5+5+9   | 7+7+12   | 5+5+5+9   | 5+9+9+9    | 7+9+12+12   | 5+5+5+5+12  | 5+5+9+9+18   | 5+7+12+12+24  | 7+7+9+12+12    |
| 7+9         | 5+5+12  | 7+7+18   | 5+5+5+12  | 5+9+9+12   | 7+9+12+18   | 5+5+5+5+18  | 5+5+9+9+24   | 5+7+12+18+18  | 7+7+9+12+18    |
| 7+12        | 5+5+18  | 7+7+24   | 5+5+5+18  | 5+9+9+18   | 7+9+12+24   | 5+5+5+5+24  | 5+5+9+12+12  | 5+9+9+9+9     | 7+7+9+12+24    |
| 7+18        | 5+5+24  | 7+9+9    | 5+5+5+24  | 5+9+9+24   | 7+9+18+18   | 5+5+5+7+7   | 5+5+9+12+18  | 5+9+9+9+12    | 7+7+9+18+18    |
| 7+24        | 5+7+7   | 7+9+12   | 5+5+7+7   | 5+9+12+12  | 7+9+18+24   | 5+5+5+7+9   | 5+5+9+12+24  | 5+9+9+9+18    | 7+7+12+12+12   |
| 9+9         | 5+7+9   | 7+9+18   | 5+5+7+9   | 5+9+12+18  | 7+12+12+12  | 5+5+5+7+12  | 5+5+9+18+18  | 5+9+9+9+24    | 8+7+12+12+18   |
| 9+12        | 5+7+12  | 7+9+24   | 5+5+7+12  | 5+9+12+24  | 7+12+12+18  | 5+5+5+7+18  | 5+5+12+12+12 | 5+9+9+12+12   | 9+7+12+12+24   |
| 9+18        | 5+7+18  | 7+12+12  | 5+5+7+18  | 5+9+18+18  | 7+12+12+24  | 5+5+5+7+24  | 5+5+12+12+18 | 5+9+9+12+18   | 7+7+12+18+18   |
| 9+24        | 5+7+24  | 7+12+18  | 5+5+7+24  | 5+9+18+24  | 7+12+18+18  | 5+5+5+9+9   | 5+5+12+12+24 | 5+9+9+12+24   | 7+9+9+9+9      |
| 12+12       | 5+9+9   | 7+12+24  | 5+5+9+9   | 5+12+12+12 | 7+12+18+24  | 5+5+5+9+12  | 5+5+12+18+18 | 5+9+9+18+18   | 8+9+9+9+12     |
| 12+18       | 5+9+12  | 7+18+18  | 5+5+9+12  | 5+12+12+18 | 7+18+18+18  | 5+5+5+9+18  | 5+7+7+7+7    | 5+9+12+12+12  | 9+9+9+9+18     |
| 12+24       | 5+9+18  | 7+18+24  | 5+5+9+18  | 5+12+12+24 | 9+9+9+9     | 5+5+5+9+24  | 5+7+7+7+9    | 5+9+12+12+18  | 10+9+9+9+24    |
| 18+18       | 5+9+24  | 7+24+24  | 5+5+9+24  | 5+12+18+18 | 9+9+9+12    | 5+5+5+12+12 | 5+7+7+7+12   | 5+9+12+12+24  | 7+9+9+12+12    |
| 18+24       | 5+12+12 | 9+9+9    | 5+5+12+12 | 5+12+18+24 | 9+9+9+18    | 5+5+5+12+18 | 5+7+7+7+18   | 5+9+12+18+18  | 7+9+9+12+18    |
| 24+24       | 7+12+18 | 9+9+12   | 5+5+12+18 | 5+18+18+18 | 9+9+9+24    | 5+5+5+12+24 | 5+7+7+7+24   | 5+12+12+12+12 | 7+9+9+12+24    |
| —           | 7+12+24 | 9+9+18   | 5+5+12+24 | 7+7+7+7    | 9+9+12+12   | 5+5+5+18+18 | 5+7+7+9+9    | 5+12+12+12+18 | 7+9+9+18+18    |
| —           | 5+18+18 | 9+9+24   | 5+5+18+18 | 7+7+7+9    | 9+9+12+18   | 5+5+5+18+24 | 5+7+7+9+12   | 7+7+7+7+7     | 7+9+12+12+12   |
| —           | 5+18+24 | 9+12+12  | 5+5+18+24 | 7+7+7+12   | 9+9+12+24   | 5+5+7+7+7   | 5+7+7+9+18   | 7+7+7+7+9     | 7+9+12+12+18   |
| —           | 5+24+24 | 9+12+18  | 5+5+24+24 | 7+7+7+18   | 9+9+18+18   | 5+5+7+7+9   | 5+7+7+9+24   | 7+7+7+7+12    | 7+12+12+12+12  |
| —           | —       | 9+12+24  | 5+7+7+7   | 7+7+7+24   | 9+9+18+24   | 5+5+7+7+12  | 5+7+7+12+12  | 7+7+7+7+18    | 7+12+12+12+18  |
| —           | —       | 9+18+18  | 5+7+7+9   | 7+7+9+9    | 9+12+12+12  | 5+5+7+7+18  | 5+7+7+12+18  | 7+7+7+7+24    | 9+9+9+9+9      |
| —           | —       | 9+18+24  | 5+7+7+12  | 7+7+9+12   | 9+12+12+18  | 5+5+7+7+24  | 5+7+7+12+24  | 7+7+7+9+9     | 9+9+9+9+12     |
| —           | —       | 9+24+24  | 5+7+7+18  | 7+7+9+18   | 9+12+12+24  | 5+5+7+9+9   | 5+7+7+18+18  | 7+7+7+9+12    | 9+9+9+9+18     |
| —           | —       | 12+12+12 | 5+7+7+24  | 7+7+9+24   | 9+12+18+18  | 5+5+7+9+12  | 5+7+9+9+9    | 7+7+7+9+18    | 9+9+9+9+24     |
| —           | —       | 12+12+18 | 5+7+9+9   | 7+7+12+12  | 9+18+18+18  | 5+5+7+9+18  | 5+7+9+9+12   | 7+7+7+9+24    | 9+9+9+12+12    |
| —           | —       | 12+12+24 | 5+7+9+12  | 7+7+12+18  | 12+12+12+12 | 5+5+7+9+24  | 5+7+9+9+18   | 7+7+7+12+12   | 9+9+9+12+18    |
| —           | —       | 12+18+18 | 5+7+9+18  | 7+7+12+24  | 12+12+12+18 | 5+5+7+12+12 | 5+7+9+9+24   | 7+7+7+12+18   | 9+9+9+18+18    |
| —           | —       | 12+18+24 | 5+7+9+24  | 7+7+18+18  | 12+12+12+24 | 5+5+7+12+18 | 5+7+9+12+12  | 7+7+7+12+24   | 9+9+12+12+12   |
| —           | —       | 12+24+24 | 5+7+12+12 | 7+7+18+24  | 12+12+18+18 | 5+5+7+12+24 | 5+7+9+12+18  | 7+7+7+18+18   | 9+9+12+12+18   |
| —           | —       | 18+18+18 | 5+7+12+18 | 7+9+9+9    | —           | 5+5+7+18+18 | 5+7+9+12+24  | 7+7+9+9+9     | 9+12+12+12+12  |
| —           | —       | 18+18+24 | 5+7+12+24 | 7+9+9+12   | —           | 5+5+7+18+24 | 5+7+9+18+18  | 7+7+9+9+12    | 9+12+12+12+18  |
| —           | —       | —        | —         | —          | —           | —           | —            | —             | 12+12+12+12+12 |

# Multi-Zone Tube Adapters

Model Number CU - 5Z36BBUC

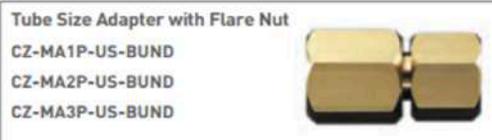


## (Qty) and Adapter Required for Multi-Zone Installations

| Adapter Chart |              | 2 Zone CU-2E18NBU<br>CU-2E18SBU-5 |          | 2-3 Zone CU-3E19RBU-5 |          | 2-4 Zone CU-4E24RBU-5 |          | 2-5 Zone<br>CU-5E36QBU-5 |          |
|---------------|--------------|-----------------------------------|----------|-----------------------|----------|-----------------------|----------|--------------------------|----------|
|               |              | O/D                               | I/D      | O/D                   | I/D      | O/D                   | I/D      | O/D                      | I/D      |
| Wall Mount    | CS-MXZ5AKUA  | none                              | none     | none                  | none     | none                  | none     | none                     | none     |
|               | CS-MXZ7AKUA  | none                              | none     | none                  | none     | none                  | none     | none                     | none     |
|               | CS-XZ9AKUAW  | none                              | none     | none                  | none     | none                  | none     | none                     | none     |
|               | CS-XZ12AKUAW | none                              | none     | none                  | none     | none                  | none     | none                     | none     |
|               | CS-XZ15AKUAW | N/A                               | (1) MA1P | none                  | (1) MA1P | none                  | (1) MA1P | none                     | (1) MA1P |
|               | CS-XZ18AKUA  | N/A                               | N/A      | none                  | (1) MA1P | none                  | (1) MA1P | none                     | (1) MA1P |
|               | CS-XZ24AKUAW | N/A                               | N/A      | N/A                   | N/A      | (1) MA2P              | (1) MA3P | (1) MA2P                 | (1) MA3P |
|               | CS-Z9AKUAW   | none                              | none     | none                  | none     | none                  | none     | none                     | none     |
|               | CS-Z12AKUAW  | none                              | none     | none                  | none     | none                  | none     | none                     | none     |
|               | CS-Z15AKUAW  | none                              | (1) MA1P | none                  | (1) MA1P | none                  | (1) MA1P | none                     | (1) MA1P |
|               | CS-Z18AKUAW  | N/A                               | N/A      | none                  | (1) MA1P | none                  | (1) MA1P | none                     | (1) MA1P |
|               | CS-Z24AKUAW  | N/A                               | N/A      | N/A                   | N/A      | (1) MA2P              | (1) MA3P | (1) MA2P                 | (1) MA3P |

none - no adapter required N/A - indoor does not match capacity of outdoor Multi-Zone Applications

| Adapter Model        | (male/female)   |
|----------------------|-----------------|
| CZ-MA1P-US-BUND      | 3/8" M x 1/2" F |
| CZ-MA2P-US-BUND      | 3/8" F x 1/2" M |
| CZ-MA3P-US-BUND      | 1/2" M x 5/8" F |
| Flare Nut (included) |                 |



Note: Flare nut is usually supplied with all line sets.  
Panasonic also provides flare nut with adapter for contractor convenience.

# Pipe Lengths, Fittings, Elevations and Refrigerant

| SYSTEM MODEL | SYSTEM MODEL | OD Tube Size (inches) |            | Maximum Length of Tubing between In/Outdoor (ft) | Maximum Elevation Difference between In/Outdoor (ft) |               | Maximum Length (ft) without Adding Refrigerant | Required Additional Refrigerant Oz/ft | Insulation |
|--------------|--------------|-----------------------|------------|--|--|---------------|--|---------------------------------------|------------|
|              |              | Narrow                | Wide       |  | Outdoor Above  | Outdoor Below |  |                                       |            |
|              |              |                       |            |  |  |               |  |                                       |            |
| Wall Mount   | XZ9AKUA      | 1/4                   | 3/8        | 66   | 49   | 49            | 25   | R32 0.2                               | Both Tubes |
|              | XZ12AKUA     | 1/4                   | <b>3/8</b> | 66   | 49   | 49            | 25   | R32 0.2                               | Both Tubes |
|              | XZ15AKUA     | 1/4                   | 1/2        | 66   | 49   | 49            | 25   | R32 0.2                               | Both Tubes |
|              | XZ18AKUA     | 1/4                   | 1/2        | 100  | 66   | 66            | 33   | R32 0.3                               | Both Tubes |
|              | XZ24AKUA     | 1/4                   | 5/8        | 100  | 66   | 66            | 33   | R32 0.3                               | Both Tubes |
|              | Z9AKUA       | 1/4                   | 3/8        | 66   | 49   | 49            | 25   | R32 0.2                               | Both Tubes |
|              | Z12AKUA      | 1/4                   | <b>3/8</b> | 66   | 49   | 49            | 25   | R32 0.2                               | Both Tubes |
|              | Z15AKUA      | 1/4                   | 1/2        | <b>66</b>  | 49   | 49            | 25   | R32 0.2                               | Both Tubes |
|              | Z18AKUA      | 1/4                   | 1/2        | 100  | 66   | 66            | 33   | R32 0.3                               | Both Tubes |
| Z24AKUA      | 1/4          | <b>5/8</b>            | 100        | 66   | 66   | <b>33</b>     | R32 0.3  | Both Tubes                            |            |
| Multi-Split  | CU-2Z18ABUC  | 1/4                   | 3/8*       | 82   | 49   | 25            | 66   | R32 0.2                               | Both Tubes |
|              | CU-3Z22ABUC  | 1/4                   | 3/8        | 82   | 49   | 25            | 98   | R32 0.2                               | Both Tubes |
|              | CU-4Z24BBUC  | 1/4                   | 3/8        | 82   | 49   | 25            | 147  | R32 0.2                               | Both Tubes |
|              | CU-5Z36BBUC  | 1/4                   | 3/8*       | 82   | 49   | 25            | 150  | R32 0.2                               | Both Tubes |

Important: You must use refrigerant piping rated for R410a.

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

# R454B Refrigerant Compared to R410A Refrigerant



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



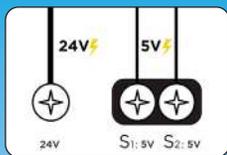
Consumes **LESS ENERGY**, helping you to **SAVE ON ELECTRICITY COSTS**.



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

## Easy Installation & Service

### Easy-to-Connect 24V Connection Board

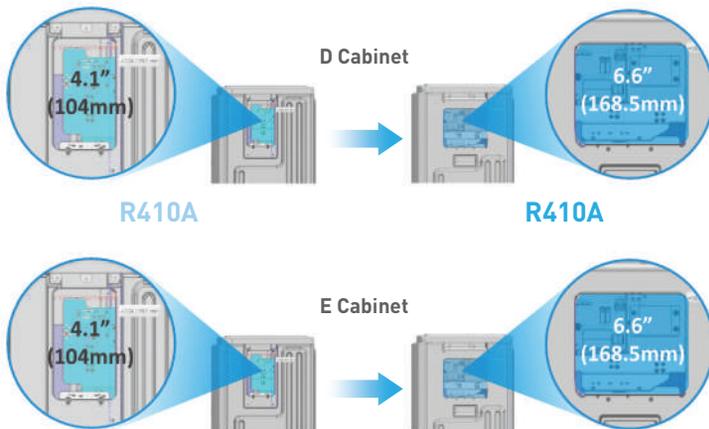


**Easy connection**  
The 24V & S1/S2 terminal are placed separately in the new connection board, so it's easier for the installers to find the right terminals.

### Unified Connection Pipes and Valves for 24V Heat Pump



### Enlarged Access Panel



Easy to do wiring | Easy to Spot Check

### Easy to fit in any space

Smaller outdoor unit design.



BACKYARD



PATIO



ROOF/TERRACE/BALCONY



ZERO LOT LINE

# INTERIOS™

## PRODUCT LINE-UP



### Central Heat Pump System with Auxiliary Heater

- Regular Heat and Extreme Heat



### Hybrid A-Coil System

- Extreme Heat



## 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)

## 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\*

**485 Mode**



**24V Mode**



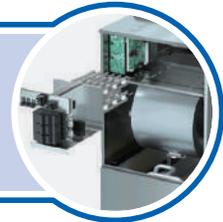
\* Only applicable for the Central Heat Pump System.  
Not applicable for the A-Coil System.

# 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.



- 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 efficient operation.
- 4 All-Aluminum Coil.
- 5 Optional auxiliary heat kits available up to 25kW.
- 6 Quiet Operation - down to 35 dB(A) level.



## MULTI-POSITION AIR HANDLER

Vertical or horizontal flexible installation.

# Central Heat Pump System (Regular Heat Series)



| MODEL                                   | INDOOR UNIT  |                     | 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                         |       |       |        |      |      |      |      |      |
| Unit Dimensions                         | Indoor       | in (H x W x D)      | 45 x 17-1/2 x 21               |       |       | 45 x 17-1/2 x 21            |       |       | 49 x 21 x 21                   |       |       | 49 x 21 x 21                   |       |       | 53 x 24-1/2 x 21            |       |       | 53 x 24-1/2 x 21            |       |       |        |      |      |      |      |      |
|   | 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 20-7/8 x 26-9/16      |       |       | 48-5/8 x 20-7/8 x 26-9/16   |       |       | 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)



CU-HM55BAHU

| MODEL                                   | INDOOR UNIT  |                     | 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 17-1/2 x 21               |       |       | 45 x 17-1/2 x 21            |       |       | 49 x 21 x 21                   |       |       | 49 x 21 x 21                |       |       | 53 x 24-1/2 x 21            |       |       | 53 x 24-1/2 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        |       |       | 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 20-7/8 x 26-9/16      |       |       | 48-5/8 x 20-7/8 x 26-9/16   |       |       | 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



**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.

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



| MODEL                                   | INDOOR UNIT  |                 | CS-HM24BAAU1                   |       |       | CS-HM24BAAU2             |       |       | CS-HM24BAAU1             |       |       | CS-HM24BAAU2             |       |       |
|---|--------------|-----------------|--------------------------------|-------|-------|--------------------------|-------|-------|--------------------------|-------|-------|--------------------------|-------|-------|
|   | OUTDOOR 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 20-1/2 x 26-1/8 |       |       | 20-5/8 x 17-1/2 x 25-3/8 |       |       | 20-7/8 x 20-1/2 x 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                                   | INDOOR UNIT  |                 | CS-HM36BAAU1                   |       |        | CS-HM36BAAU2             |       |        | CS-HM36BAAU3             |       |        | CS-HM36BAAU1                |       |        | CS-HM36BAAU2                |       |        | CS-HM36BAAU3                |       |       |
|---|--------------|-----------------|--------------------------------|-------|--------|--------------------------|-------|--------|--------------------------|-------|--------|-----------------------------|-------|--------|-----------------------------|-------|--------|-----------------------------|-------|-------|
|   | OUTDOOR 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



| MODEL                                   | INDOOR UNIT  |                 | CS-HM60BAMU3                   |       |       | CS-HM60BAU4                 |       |       | CS-HM60BAMU3             |       |       | CS-HM60BAU4              |       |       |
|---|--------------|-----------------|--------------------------------|-------|-------|-----------------------------|-------|-------|--------------------------|-------|-------|--------------------------|-------|-------|
|   | 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           |                 | 134.04                         |       |       | 134.04                      |       |       | 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              | 246                            |       |       | 246                         |       |       | 246                      |       |       | 246                      |       |       |
| Indoor & Outdoor Unit Height Difference | ft           |                 | 98.4                           |       |       | 98.4                        |       |       | 98                       |       |       | 98                       |       |       |
| Additional Gas Amount                   | oz/ft        |                 | 0.7                            |       |       | 0.7                         |       |       | 0.7                      |       |       | 0.7                      |       |       |
| Unit Dimensions                         | Indoor       | in (H x W x D)  | 27-3/4 x 21-5/8 x 21-1/2       |       |       | 28 x 24-1/2 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)  | 38-3/8 x 38-9/16 x 16-3/8      |       |       | 38-3/8 x 38-9/16 x 16-3/8   |       |       | 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              | 97                             |       |       | 81                          |       |       | 97                       |       |       | 81                       |       |       |
|   | Outdoor      | lb              | 201                            |       |       | 201                         |       |       | 242                      |       |       | 242                      |       |       |
| Carton Dimensions                       | Indoor       | in (H x W x D)  | 25-5/8 x 31-1/8 x 25           |       |       | 30-3/8 x 27-3/4 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)  | 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 43-1/8 x 19-1/2 |       |       | 58-1/4 x 43-1/8 x 19-1/2 |       |       |
| Carton Weight                           | Indoor       | lb              | 115                            |       |       | 92                          |       |       | 115                      |       |       | 92                       |       |       |
|   | Outdoor      | lb              | 232                            |       |       | 232                         |       |       | 275                      |       |       | 275                      |       |       |

# breathe well

The Only Complete Air Quality Solution™

## Panasonic



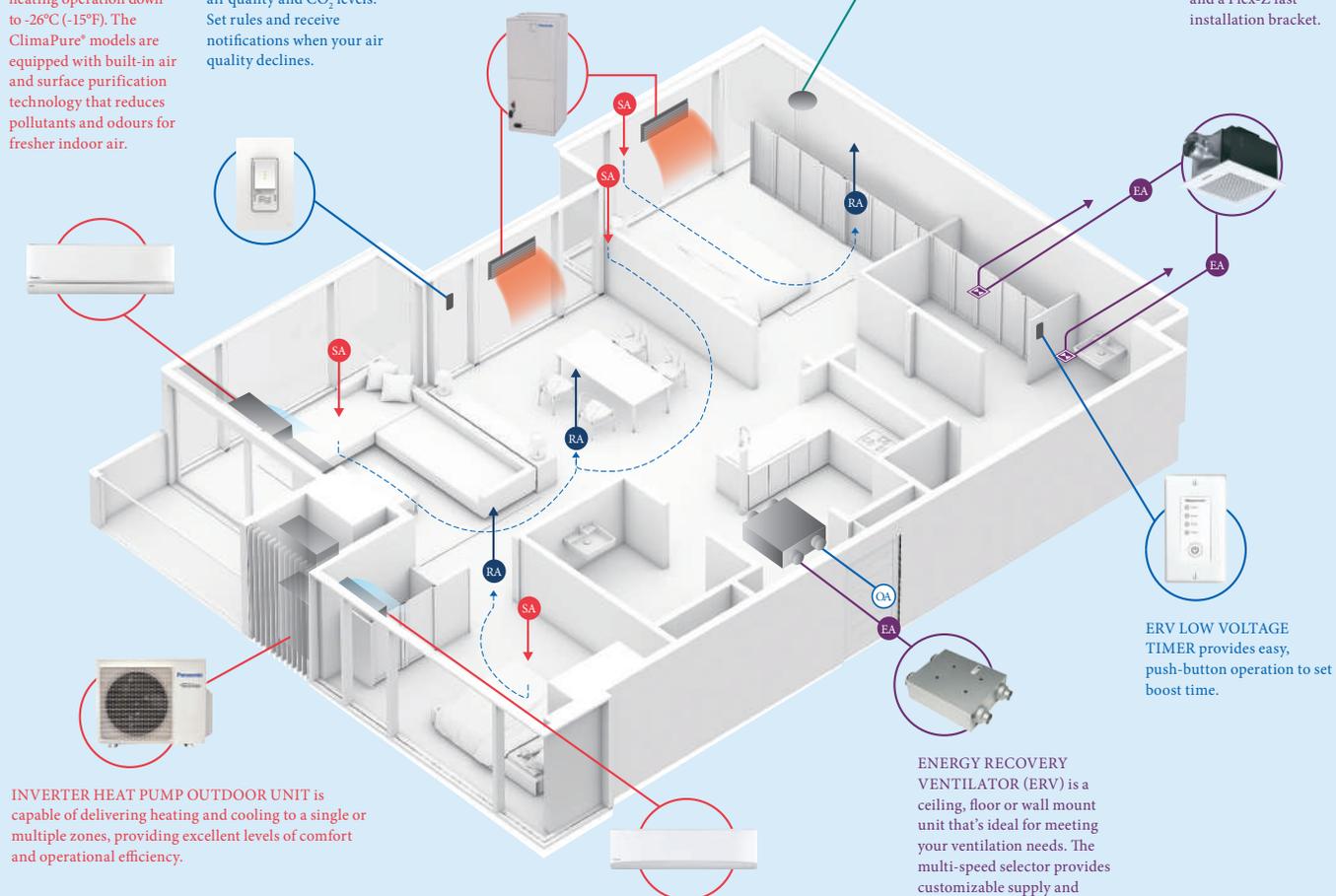
**COLD CLIMATE WALL-MOUNTED HEAT PUMP** offers low ambient heating operation down to -26°C (-15°F). The ClimaPure® models are equipped with built-in air and surface purification technology that reduces pollutants and odours for fresher indoor air.

**SWIDGET SMART SWITCH 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<sub>2</sub> 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.

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

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



**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.

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

**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, pressure within your space.

**ERV LOW VOLTAGE TIMER** provides easy, push-button operation to set boost time.

**LEGEND**

- OA Outside Air
- EA Exhaust Air
- SA Supply Air
- RA Return Air



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Master Import Representative USA HVAC Specialty



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