



***The Leader in Heating  
& Cooling Comfort***

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[www.heatcontroller.com](http://www.heatcontroller.com)

**HEAT  CONTROLLER**  
*Confidence in any climate*



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*This guide shows the full range of Comfort-Aire® products for residential and commercial use.  
For more details on specific products, see our website, [www.heatcontroller.com](http://www.heatcontroller.com)*

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*Comfort-Aire room air products with the smartphone icon can be controlled from anywhere through the cloud using an app on iOS or Android. It also works with Google Assistant and Alexa.*



*Comfort-Aire room air products come charged with the environmentally friendly R-454B, R410A and R-32 refrigerant.*



*All Comfort-Aire room air products are listed with either CSA or UL for application in the United States and Canada. See the model rating plate for specific certifications.*

**ASA16 Condensing Units Up to 16.6 SEER2 Single Stage**

| 15 SEER Model | Cooling Nom. BTUH | Dimensions (in.) W x D x H |
|---------------|-------------------|----------------------------|
| ASA1618S1     | 18,000            | 28.25 x 28.25 x 29.25      |
| ASA1624S1     | 24,000            | 28.25 x 28.25 x 37.25      |
| ASA1630S1     | 30,000            | 28.25 x 28.25 x 29.25      |
| ASA1636S1     | 36,000            | 28.25 x 28.25 x 37.25      |
| ASA1641S1     | 42,000            | 32.25 x 32.25 x 33.25      |
| ASA1647S1     | 60,000            | 32.25 x 32.25 x 33.25      |

DOE 2023 Compliant for Southeast and Desert Southwest States Minimum Efficiency 14.3 SEER2

Total corrosion protection technology designed coil. Enhanced tube-and-fin coil design. Lanced fins for maximum heat transfer. Every coil factory tested for leakproof construction. Raised coil prevents debris from impeding airflow.



**208/230V-1-60 1-1/2 to 5 Tons**  
**COMPLIANT FOR ALL REGIONS**

For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)



**ASA14 Condensing Units Up to 15.4 SEER2 Single Stage**

DOE 2023 Compliant for Northern States Minimum Efficiency 13.8 SEER2

Total corrosion protection technology designed coil. Enhanced tube-and-fin coil design. Lanced fins for maximum heat transfer. Every coil factory tested for leakproof construction. Raised coil prevents debris from impeding airflow.



| 14 SEER Model | Cooling Nom. BTUH | Dimensions (in.) W x D x H |
|---------------|-------------------|----------------------------|
| ASA1418S1     | 18,000            | 28.25 x 28.25 x 39.25      |
| ASA1424S1     | 24,000            | 28.25 x 28.25 x 37.25      |
| ASA1430S1     | 30,000            | 28.25 x 28.25 x 29.25      |
| ASA1436S1     | 36,000            | 28.25 x 28.25 x 37.25      |
| ASA1442S1     | 42,000            | 32.25 x 32.25 x 33.25      |
| ASA1448S1     | 48,000            | 32.25 x 32.25 x 33.25      |
| ASA1460S1     | 60,000            | 28.25 x 28.25 x 43.25      |

**208/230V-1-60 1-1/2 to 5 Tons**  
**COMPLIANT FOR ALL REGIONS**

For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)



**ASA13 Condensing Units Up to 15.4 SEER2 Single Stage**

DOE 2023 Compliant for Northern States Minimum Efficiency 13.4 SEER2

Total corrosion protection technology designed coil. Enhanced tube-and-fin coil design. Lanced fins for maximum heat transfer. Every coil factory tested for leakproof construction. Raised coil prevents debris from impeding airflow.



| 14 SEER Model | Cooling Nom. BTUH | Dimensions (in.) W x D x H |
|---------------|-------------------|----------------------------|
| ASA1318S1     | 18,000            | 24.25 x 24.25 x 25.25      |
| ASA1324S1     | 24,000            | 24.25 x 24.25 x 29.25      |
| ASA1330S1     | 30,000            | 28.25 x 28.25 x 29.25      |
| ASA1336S1     | 36,000            | 28.25 x 28.25 x 33.25      |
| ASA1342S1     | 42,000            | 28.25 x 28.25 x 37.25      |
| ASA1348S1     | 48,000            | 28.25 x 28.25 x 29.25      |
| ASA1360S1     | 60,000            | 28.25 x 28.25 x 37.25      |

**208/230V-1-60 1-1/2 to 5 Tons**  
**COMPLIANT FOR NORTHERN REGION ONLY**

For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)



## LE Series

## SPLIT SYSTEM AIR CONDITIONERS

### CXP Horizontal Discharge Condenser Minimum 15.2 SEER2 Single Stage

Horizontal discharge condenser is compact in size with an alternative footprint to fit in tight spaces without detracting from landscaping and outdoor living areas, which makes it great for apartment complexes and condominiums.

| 15 SEER Model | Nom. BTUH | Dimensions (in.)<br>W x H x D |
|---------------|-----------|-------------------------------|
| CXP1512SA-1   | 18,000    | 31.69 x 21.81 x 12.99         |
| CXP1518SA-1   | 18,000    | 31.69 x 21.81 x 12.99         |
| CXP1524SA-1   | 23,000    | 35.04 x 26.50 x 13.46         |
| CXP1530SA-1   | 29,000    | 35.04 x 26.50 x 13.46         |
| CXP1536SA-1   | 34,000    | 37.24 x 31.89 x 16.14         |
| CXP1548SA-1   | 44,000    | 38.58 x 38.39 x 16.34         |
| CXP1560SA-1   | 54,000    | 37.48 x 52.48 x 16.34         |

1=208/230V-1-60

1 to 5 Tons



12,000, 18,000, 24,000, 30,000,  
36,000 & 48,000 BTUH



60,000 BTUH

### FEATURES

- Ultra quiet operation is rated as low as 54 decibels
- Attractive cabinet is galvanized steel with powder coated finish for durability, in attractive neutral color
- Low voltage 24V control system for universal use



## LE Series

## HEAT PUMPS

### HP19V Heat Pumps Up to 19.0 SEER2 Inverter

| 19 SEER Model | BTUH Cooling | BTUH Heating | HSPF2 |
|---------------|--------------|--------------|-------|
| HP19V24S1A    | 24,000       | 18,000       | 9.0   |
| HP19V36S1A    | 34,000       | 26,000       | 9.0   |
| HP19V48S1A    | 47,000       | 33,000       | 8.5   |
| HP19V60S1A    | 53,000       | 35,000       | 8.2   |

208/230V-1-60

2 to 5 Tons

COMPLIANT FOR ALL REGIONS



### Features

- Less than 34" high and 4 sq ft base maximizes installation opportunities
- Pair with AH19X air handler for a superior AHRI rated system
- Extreme heating and cooling capabilities
  - Cooling operation from 5°F - 125°F
  - Heating operation from -4°F - 80°F
- Pre-charged for 25 feet of lineset
- Self-adapting inverter technology with ultra low frequency operation
  - Able to hold set temperature within 2°F
  - Monitors drive current to prevent overload



For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)

### HSA14 Heat Pumps Up to 14.0 SEER2 Single Stage

Corrosion protection technology designed coil with durable aluminum alloy fin-and-tube construction. Defrost ensures efficiency and coil protection in the coldest weather. Full metal jacket is made of galvanized steel with polyester urethane coating for durability, corrosion resistance.



| 14 SEER Model | BTUH Cooling | BTUH Heating | HSPF |
|---------------|--------------|--------------|------|
| HSA1418S1     | 18,000       | 17,900       | 7.5  |
| HSA1424S1     | 23,400       | 22,000       | 7.8  |
| HSA1430S1     | 29,200       | 28,000       | 7.5  |
| HSA1436S1     | 36,000       | 34,600       | 7.5  |
| HSA1442S1     | 41,000       | 40,500       | 7.5  |
| HSA1448S1     | 47,500       | 47,000       | 7.5  |
| HSA1460S1     | 57,000       | 56,000       | 7.5  |

208/230V-1-60

1-1/2 to 5 Tons

COMPLIANT FOR ALL REGIONS



For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)

## Extreme Performance Cold Weather Heat Pump Up to 19 SEER2 Inverter

Enjoy the ultimate in comfort and efficiency with the VXP-Series extreme performance air source heat pump. With an inverter-driven compressor, the VXP-system fully modulates to use the least amount of energy possible to maintain temperature, while at the same time optimizing sound levels and comfort. Hyper heat performance down to -22°F (-30°C) and cooling to an extreme 122°F (50°C) means the heat pump has world-class operating parameters in all weather conditions. Available with auxiliary heat kits for the VXP air handler, or with the optional MXP-Series of cased coils for dual-fuel capabilities with any new or existing furnace.



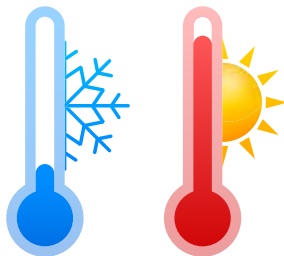
| Outdoor Unit               | Capacity BTUH                   | Cooling/Heating                     |
|----------------------------|---------------------------------|-------------------------------------|
| A-VXP18SA-1                | 18,000 cool, 19,000 heat        | 19 SEER2, 12.5 EER2, 9.7 HSPF2      |
| A-VXP24SA-1                | 23,000 cool, 24,000 heat        | 18.3 SEER2, 11.7 EER2, 10 HSPF2     |
| A-VXP30SA-1                | 30,000 cool, 34,000 heat        | 16.8 SEER2, 11.7 EER2, 10 HSPF2     |
| A-VXP36SA-1                | 36,000 cool, 37,000 heat        | 17.4 SEER2, 11.7 EER2, 10.2 HSPF2   |
| A-VXP48SA-1                | 48,000 cool, 50,000 heat        | 16.5 SEER2, 10.58.2 EER2, 9.5 HSPF2 |
| A-VXP60SA-1                | 54,000 cool, 56,000 heat        | 16 SEER2, 10 EER2, 9 HSPF2          |
| Multi-Position Air Handler | Capacity BTUH                   | Cooling/Heating Max CFM/DBA         |
| B-VXP18SA-1                | 18,000 cool, 19,000 heat        | 618/41                              |
| B-VXP24SA-1                | 23,000 cool, 24,000 heat        | 824/44                              |
| B-VXP30SA-1                | 30,000 cool, 34,000 heat        | 989/47                              |
| B-VXP36SA-1                | 36,000 cool, 37,000 heat        | 1189/49                             |
| B-VXP48SA-1                | 48,000 cool, 50,000 heat        | 1601/52                             |
| B-VXP60SA-1                | 54,000 cool, 56,000 heat        | 1807/54.5                           |
| Cased Coil                 | Dimensions & Weight (W x D x H) |                                     |
| MXP18/24A1A                | 14.49 x 21 x 17.99, 41.89 lbs   |                                     |
| MXP18/24B1A                | 17.52 x 21 x 17.99, 41.89 lbs   |                                     |
| MXP24/36A1A                | 14.49 x 21 x 23.21, 56.88 lbs   |                                     |
| MXP24/36B1A                | 17.52 x 21 x 23.58, 59.52 lbs   |                                     |
| MXP24/36C1A                | 21.02 x 21 x 24.06, 64.37 lbs   |                                     |
| MXP48/60C1A                | 21.61 x 21.50 x 27.8, 96.78 lbs |                                     |
| MXP48/60D1A                | 24.49 x 21 x 27.99, 81.13 lbs   |                                     |

### COMPLIANT FOR ALL REGIONS

**NOTE:** AHRI combinations with MXP-Series Coils and VXP systems are "coil-only" matches, and result in lower SEER2, EER2, and HSPF2 ratings than with matching air handler. Review latest match information on [www.heatcontroller.com](http://www.heatcontroller.com) before installation.

**\*\*Verify Rating Plate Information Prior to Installation.**

Minimum Circuit Ampacity and Maximum Fuse Values May Have Changed from Original Specifications.



| Auxiliary Heat Kits      |                          |                    |          |               |               |               |                     |                     |                     |
|--------------------------|--------------------------|--------------------|----------|---------------|---------------|---------------|---------------------|---------------------|---------------------|
|                          | Power of Electric Heater | Number of Circuits | Voltage  | Circuit 1 MCA | Circuit 2 MCA | Circuit 3 MCA | Circuit 1 Max. Fuse | Circuit 2 Max. Fuse | Circuit 3 Max. Fuse |
| Optional Electric Heater | EXP3KW                   | 1                  | 208/230V | 14A/16A       | -             | -             | -                   | -                   | -                   |
|                          | EXP5KW                   | 1                  | 208/230V | 23A/27A       | -             | -             | -                   | -                   | -                   |
|                          | EXP8KW                   | 1                  | 208/230V | 37A/42A       | -             | -             | 40A/45A             | -                   | -                   |
|                          | EXP10KW                  | 1                  | 208/230V | 46A/53A       | -             | -             | 50A/60A             | -                   | -                   |
|                          | EXP15KW                  | 2                  | 208/230V | 23A/27A       | 46A/53A       | -             | 25A/30A             | 50A/60A             | -                   |
|                          | EXP20KW                  | 2                  | 208/230V | 46A/53A       | 46A/53A       | -             | 50A/60A             | 50A/60A             | -                   |
|                          | EXP25KW                  | 3                  | 208/230V | 23A/27A       | 46A/53A       | 46A/53A       | 25A/30A             | 50A/60A             | 50A/60A             |



Wired programmable control



| Model Size Selection |     |     |     |      |      |      |      |
|----------------------|-----|-----|-----|------|------|------|------|
| Model (Btu/h)        | 3kW | 5kW | 8kW | 10kW | 15kW | 20kW | 25kW |
| 8K                   | Yes | Yes | Yes | Yes  | -    | -    | -    |
| 24K                  |     | Yes | Yes | Yes  | Yes  | -    | -    |
| 30K                  |     | Yes | Yes | Yes  | Yes  | -    | -    |
| 36K                  |     | Yes | Yes | Yes  | Yes  | Yes  | -    |
| 48K                  |     |     | Yes | Yes  | Yes  | Yes  | -    |
| 60K                  |     |     | -   | Yes  | Yes  | Yes  | Yes  |

**HMA Air Handler with TXV & Fixed Torque Blower Motor**

| Model     | Cap. Tons | Nominal CFM |
|-----------|-----------|-------------|
| HMA24CX1S | 2         | 800         |
| HMA30CX1S | 2.5       | 1000        |
| HMA36CX1S | 3         | 1200        |
| HMA42CX1S | 3.5       | 1400        |
| HMA48CX1S | 4         | 1600        |
| HMA60CX1S | 5         | 2000        |

**HMA Air Handlers**

Multi-position—upflow, downflow, and horizontal—air handlers are available in three variations. Each features optional plug-in electric heater kits available in 5 to 20 kW. Aluminum/aluminum A-coil for efficiency. Durable cabinet has polyester urethane finish, and blower cabinet is insulated. All air handlers come with TXV factory installed.

**HMA Air Handler with PSC Motor**

| Model     | Cap. Tons | Nominal CFM |
|-----------|-----------|-------------|
| HMA18PX1S | 1.5       | 600         |
| HMA24PX1S | 2         | 800         |
| HMA30PX1S | 2.5       | 1000        |
| HMA36PX1S | 3         | 1200        |
| HMA42PX1S | 3.5       | 1400        |

**HMA Variable Speed Air Handler**

| Model     | Cap. Tons | Nominal CFM |
|-----------|-----------|-------------|
| HMA18VX1S | 1.5       | 600         |
| HMA24VX1S | 2         | 800         |
| HMA30VX1S | 2.5       | 1000        |
| HMA36VX1S | 3         | 1200        |
| HMA42VX1S | 3.5       | 1400        |
| HMA48VX1S | 4         | 1600        |
| HMA60VX1S | 5         | 2000        |



For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)



**Real-Time Ratings Generator**

*This new website will allow instant access to the newest AHRI ratings, AHRI Certificate Numbers, Tax Certifications Statements (where applicable).*

[www.AHRIdirectory.org](http://www.AHRIdirectory.org)

Multi-position, freeze protection in both cooling and heating. Slide-out blower assembly, blower time delay and low voltage terminal strip. Non-corrosive drain pans.

**HWCR\*\*X Series**  
ECM constant torque blower motor.

**HWCR\*\*T Series**  
Reliable PSC blower motor.

All versions come with factory installed TXV.



**115V-1-60**  
**1-1/2 to 5 Tons**

**Hydronic Air Handlers for Boiler Loops**

| Model    | Nom. Cooling Cap. Tons | Heating Cap. BTUH @ 3.5 GPM* |            |
|----------|------------------------|------------------------------|------------|
|          |                        | 120° F EWT                   | 180° F EWT |
| HWCR23X† | 1.5 - 2.0              | 20,200                       | 45,400     |
| HWCR24X  | 1.5 - 2.0              | 21,600                       | 59,300     |
| HWCR30X  | 2.5                    | 28,700                       | 65,500     |
| HWCR35X† | 2.5 - 3.0              | 33,185                       | 72,180     |
| HWCR42X  | 3.0 - 3.5              | 37,800                       | 86,300     |
| HWCR47X† | 3.5 - 4.0              | 48,200                       | 98,640     |
| HWCR48X  | 4.0                    | 44,400                       | 101,300    |
| HWCR59X  | 3.5 - 5.0              | 48,200                       | 98,640     |
| HWCR60X  | 5.0                    | 46,600                       | 106,400    |
| HWCR23T† | 1.5 - 2.0              | 25,000                       | 45,400     |
| HWCR24T  | 1.5 - 2.0              | 21,600                       | 48,400     |
| HWCR35T† | 2.5 - 3.0              | 38,750                       | 72,180     |
| HWCR36T  | 2.5 - 3.0              | 29,800                       | 67,300     |
| HWCR47T† | 3.5 - 4.0              | 48,200                       | 98,640     |
| HWCR48T  | 3.5 - 4.0              | 45,900                       | 98,000     |
| HWCR59T  | 3.5 - 5.0**            | 48,200                       | 98,640     |
| HWCR60T  | 5.0                    | 47,800                       | 102,200    |

\*At high speed setting †Small-Chassis AH See AHRI Directory for matches

\*\*Due to limited airflow - not all 5-Ton condensers will work. Check approved matches on [www.ahridirectory.org](http://www.ahridirectory.org)

**Cased and Uncased Coils for Split System Installations**

For use with split system air conditioners and heat pumps. Right or left hand connections offer installation flexibility. Drain pan is non-corrosive. Cased coil cabinet is insulated for quiet operation. Coils feature rifled copper (CCG/MCG) or aluminum (MAG) tubing with aluminum fins.

**CCG**—Uncased, Copper Coils  
**MCG**—Cased, multi-position copper coils  
**1-1/2 to 5 Ton**

See [AHRIdirectory.org](http://AHRIdirectory.org) for matches



**CCG**



**MCG**

# LE Series

# AIR HANDLERS & COILS

## 7AHW Wall-Mount Air Handler

### ELECTRICAL DATA / 3 SPEED PSC MOTOR

| Model            | Elec. Heating Cap. |         |
|------------------|--------------------|---------|
|                  | kW                 | Btuh    |
|                  | 240V(1)            | 240V(1) |
| 7AHWAC18PX00-71A | 0                  | 0       |
| 7AHWAC18PX05-71A | 5.0                | 17,065  |
| 7AHWAC24PX00-71A | 0                  | 0       |
| 7AHWAC24PX05-71A | 5                  | 17,065  |
| 7AHWAC24PX07-71A | 7.5                | 25,598  |
| 7AHWAC30PX00-71A | 0                  | 0       |
| 7AHWAC30PX05-71A | 5.0                | 17,065  |
| 7AHWAC30PX07-71A | 7.5                | 25,598  |
| 7AHWAC36PX00-71A | 0                  | 0       |
| 7AHWAC36PX07-71A | 7.5                | 25,598  |



### 5-SPEED HIGH EFFICIENCY ECM MOTOR

| Model            | Elec. Heating Cap. |         |
|------------------|--------------------|---------|
|                  | kW                 | Btuh    |
|                  | 240V(1)            | 240V(1) |
| 7AHWAE25PX00-71A | 0                  | 0       |
| 7AHWAE25PX05-71A | 5.0                | 17,065  |
| 7AHWAE25PX07-71A | 7.5                | 25,598  |
| 7AHWAE37PX00-71A | 0                  | 0       |
| 7AHWAE37PX07-71A | 7.5                | 25,598  |
| 7AHWAE37PX10-71A | 10.0               | 34,130  |
| 7AHWAE39PX00-71A | 0                  | 0       |
| 7AHWAE39PX05-71A | 5.0                | 17,065  |
| 7AHWAE39PX07-71A | 7.5                | 25,598  |
| 7AHWAE39PX10-71A | 10.0               | 34,130  |

Low 30" height all models. Air filter included with every air handler; no tools required for change out. Approved for installation in manufactured housing and mobile homes.



## AH19X Multi-Position Variable Speed Air Handler

| Model      | Cap. Tons | Nominal CFM |
|------------|-----------|-------------|
| AH19X24S1A | 2         | 850         |
| AH19X36S1A | 3         | 1,150       |
| AH19X48S1A | 4         | 1,600       |
| AH19X60S1A | 5         | 1,700       |

- High heat-transfer efficiency and low static-pressure drop A-coil
- Foil-faced insulation to prevent energy loss through the cabinet
- Factory-sealed cabinet certified to achieve 2% or less leakage rate at 1.0 inch water column
- Multi-stage variable speed blower motor to align with varying capacity demands



- Field installed electric heater kits available
- Multiple electrical entry locations
- Dual front panel for simplified maintenance
- Easy to service blower and coil with slide track
- Integrated filter rack in base
- AHRI rated with the HP19V to create a system of superior efficiency



# LE Series

# RESIDENTIAL PACKAGED UNITS

## Ultra Low NOx Package Gas Heat/Electric Cooling - ECM

| Model      | Cooling BTUH (SEER/SEER2) | Heat Input BTUH |
|------------|---------------------------|-----------------|
| GPA24054S1 | 22,600/ 22,600            | 54,000          |
| GPA24072S1 |                           |                 |
| GPA30054S1 | 28,400/ 28,400            | 72,000          |
| GPA30072S1 |                           |                 |
| GPA36072S1 | 34,000/ 33,400            | 90,000          |
| GPA36090S1 |                           |                 |
| GPA42090S1 | 40,000/40,000             | 108,000         |
| GPA48108S1 | 45,500/44,500             |                 |
| GPA60108S1 | 57,000/ 57,500            | 126,000         |
| GPA60126S1 |                           |                 |

Manufactured with a stainless steel dimpled heat exchanger and equipped with a high-efficiency constant torque blower motor, the GPA-Series meets the Ultra-Low Nitrogen Oxides NOx Standards of California. Units feature a heavy-gauge galvanized steel base rail.

Compact cabinet has full perimeter base rails and durable polyurethane finish. Louvered panels protects the coil.



208/230-1-60

2 to 5 Tons

DOE 2023 COMPLIANT





Our flagship furnace sports aluminized steel primary and an AL29-4C stainless steel secondary heat exchangers, as well as a true ECM blower motor for the ultimate in durability and comfort. Superior technology works well with all standard 24VAC thermostats while the 33" compact height fits almost all installations

Upflow/horizontal models only.

A = 14<sup>1</sup>/<sub>2</sub>" cabinet width B = 17<sup>1</sup>/<sub>2</sub>" cabinet width  
C = 21" cabinet width D = 24<sup>1</sup>/<sub>2</sub>" cabinet width

Last digit = nom. tons cooling  
Upflow/Horiz = Upflow/Horizontal



**97% Two-Stage Gas Furnace**

| Upflow/Horiz  | 1 <sup>st</sup> Stage Input | 2 <sup>nd</sup> Stage Input |
|---------------|-----------------------------|-----------------------------|
| GUH97T045B3MP | 29,000                      | 44,000                      |
| GUH97T070B3MP | 43,000                      | 66,000                      |
| GUH97T090C3MP | 57,000                      | 88,000                      |
| GUH97T090C5MP | 72,000                      | 88,000                      |
| GUH97T110C5MP | 110,000                     | 110,000                     |
| GUH97T135D5MP | 86,000                      | 132,000                     |



**120V-1-60**

**96% Single-Stage Gas Furnace**

| Upflow/Horiz  | Input BTUH | Downflow      | Input BTUH |
|---------------|------------|---------------|------------|
| GUH96C045B3MP | 44,000     | GDD96C045B3MP | 44,000     |
| GUH96C070B3MP | 66,000     | GDD96C070B4MP | 66,000     |
| GUH96C090C4MP | 88,000     | GDD96C090C4MP | 88,000     |
| GUH96C110C5MP | 110,000    | GDD96C110C5MP | 110,000    |
| GUH96C135D5MP | 132,000    |               |            |

A = 14<sup>1</sup>/<sub>2</sub>" cabinet width B = 17<sup>1</sup>/<sub>2</sub>" cabinet width  
C = 21" cabinet width D = 24<sup>1</sup>/<sub>2</sub>" cabinet width

Last digit = nom. tons cooling  
Upflow/Horiz = Upflow/Horizontal

Efficient and reliable heat exchangers, hot surface igniter, integrated furnace control w on-board diagnostics. Equipped with ECM constant torque motor. Low profile cabinet is ideal for replacements. All units are A/C ready.



**120V-1-60**



**92% Single-Stage Gas Furnace**

| Upflow/Horiz  | Input BTUH | Downflow      | Input BTUH |
|---------------|------------|---------------|------------|
| GUH92C045B3MP | 44,000     | GDD92C045B3MP | 44,000     |
| GUH92C070B3MP | 66,000     | GDD92C070B3MP | 66,000     |
| GUH92C090C3MP | 88,000     | GDD92C090C4MP | 88,000     |
| GUH92C090C4MP | 88,000     |               |            |
| GUH92C110C4MP | 110,000    |               |            |
| GUH92C110C5MP | 110,000    |               |            |

A = 14<sup>1</sup>/<sub>2</sub>" cabinet width B = 17<sup>1</sup>/<sub>2</sub>" cabinet width  
C = 21" cabinet width D = 24<sup>1</sup>/<sub>2</sub>" cabinet width

Last digit = nom. tons cooling  
Upflow/Horiz = Upflow/Horizontal

Efficient and reliable heat exchangers, hot surface igniter, integrated furnace control with on-board diagnostics. Equipped with constant torque motor. Low profile cabinet is ideal for replacements. All units are A/C ready.



**120V-1-60**



**80% Single-Stage Gas Furnace**



**120V-1-60**

| Upflow/Horiz.        | Input BTUH | Downflow      | Input BTUH |
|----------------------|------------|---------------|------------|
| <b>GUH80C045A3MP</b> | 44,000     | GDD80C045A3MP | 44,000     |
| <b>GUH80C070A3MP</b> | 66,000     | GDD80C070B3MP | 66,000     |
| <b>GUH80C070B3MP</b> | 66,000     | GDD80C090B4MP | 88,000     |
| <b>GUH80C090B4MP</b> | 88,000     | GDD80C110C5MP | 110,000    |
| <b>GUH80C090C5MP</b> | 88,000     |               |            |
| <b>GUH80C110C5MP</b> | 110,000    |               |            |
| <b>GUH80C135D5MP</b> | 132,000    |               |            |

A = 14<sup>1</sup>/<sub>2</sub>" cabinet width  
 B = 17<sup>1</sup>/<sub>2</sub>" cabinet width  
 C = 21" cabinet width  
 D = 24<sup>1</sup>/<sub>2</sub>" cabinet width  
 Last digit = nom. tons cooling



Our non-condensing gas furnace features hot surface igniter, in-shot burner and crimped no-weld aluminized clam shell heat exchanger. Multi-speed ECM blower delivers warm air quietly. Low profile cabinet fits in even tight spaces. Integrated control board includes diagnostic lights. LP conversion kits are available.

**SAC14 Condensing Units**

| 14 SEER2 Model    | Nom. BTUH | Dimensions (in.) W x D x H |
|-------------------|-----------|----------------------------|
| <b>SAC1418S1A</b> | 18,000    | 23-5/8 x 23-5/8 x 24-15/16 |
| <b>SAC1424S1A</b> | 24,000    | 28 x 28 x 24-15/16         |
| <b>SAC1430S1A</b> | 30,000    | 28 x 28 x 24-15/16         |
| <b>SAC1436S1A</b> | 36,000    | 29-1/8 x 29-1/8 x 24-15/16 |
| <b>SAC1442S1A</b> | 42,000    | 29-1/8 x 29-1/8 x 33-3/16  |
| <b>SAC1448S1A</b> | 48,000    | 28 x 28 x 33-3/16          |
| <b>SAC1460S1A</b> | 60,000    | 29-1/8 x 29-1/8 x 33-3/16  |

**208/230V-1-60**

**1-1/2 to 5 Tons**



For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)



**SAC13 Condensing Units**

| 13 SEER2 Model    | Nom. BTUH | Dimensions (in.) W x D x H |
|-------------------|-----------|----------------------------|
| <b>SAC1318S1A</b> | 18,000    | 23-5/8 x 23-5/8 x 24-15/16 |
| <b>SAC1324S1A</b> | 24,000    | 28 x 28 x 24-15/16         |
| <b>SAC1330S1A</b> | 30,000    | 28 x 28 x 24-15/16         |
| <b>SAC1336S1A</b> | 36,000    | 29-1/8 x 29-1/8 x 24-15/16 |
| <b>SAC1342S1A</b> | 42,000    | 28 x 28 x 33-3/16          |
| <b>SAC1348S1A</b> | 48,000    | 28 x 28 x 33-3/16          |
| <b>SAC1360S1A</b> | 60,000    | 29-1/8 x 29-1/8 x 33-3/16  |

**208/230V-1-60**

**1-1/2 to 5 Tons**



For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)



## SE Series

## SPLIT SYSTEM HEAT PUMPS



Powder-coated galvanized steel cabinet with wire fan grille and steel louver coil guard provide reliable operation during harsh elements. Internal protection against high temperature motor overload, high quality copper tube and aluminum fin condenser (micro channel on 5T), service valves with sweat connections and easy 45° access ports, sound levels as low as 72 dB for quiet operation and peace of mind.

For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)

### SHP14 Heat Pumps

| 14 SEER2 Model | BTUH Cooling | BTUH Heating |
|----------------|--------------|--------------|
| SHP1418S1A     | 18,000       | 18,000       |
| SHP1424S1A     | 23,000       | 22,800       |
| SHP1430S1A     | 28,000       | 27,000       |
| SHP1436S1A     | 34,200       | 34,200       |
| SHP1442S1A     | 41,000       | 41,000       |
| SHP1448S1A     | 45,000       | 44,500       |
| SHP1460S1A     | 54,000       | 54,000       |

208/230V-1-60  
7.5 HSPF2

1-1/2 to 5 Tons



## SE Series

## AIR HANDLERS & COILS

### SAHC Multi-Position Air Handler (CT)

| Model     | Capacity Tons | Nominal CFM |
|-----------|---------------|-------------|
| SAHC24S1A | 23,600        | 7,40        |
| SAHC36S1A | 34,200        | 1,240       |
| SAHC48S1A | 45,000        | 1,540       |
| SAHC60S1A | 54,500        | 1,750       |

208/240V-1-60      2 to 5 Tons

### SAHP Multi-Position Air Handler (PSC)

| Model     | Capacity Tons | Nominal CFM |
|-----------|---------------|-------------|
| SAHP18S1A | 18,000        | 600         |
| SAHP24S1A | 23,600        | 900         |
| SAHP36S1A | 34,200        | 1,200       |
| SAHP48S1A | 45,000        | 1,400       |
| SAHP60S1A | 54,500        | 1,650       |

208/240V-1-60      1-1/2 to 5 Tons

Choose between PSC or CT blower, all-aluminum tube & fin coil, FULL multi-position installation, polymer condensate drain pan with UVC inhibitor, horizontal and vertical condensate drain pans standard, blower and coil slide out for ease of maintenance, certified to achieve <2% leak rate at 1" w.c., fully insulated cabinet, dual front panel design, four models cover all tonnages. Field installed heat kits optional.

For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)



### SCC Multi-Position Aluminum Cased Coils

| MAA Model | Width (in.) | Nom. Capacities* |
|-----------|-------------|------------------|
| SCC1836A  | 14.5        | 1.5 - 3.0T       |
| SCC1836B  | 17.5        | 1.5 - 3.0T       |
| SCC1836C  | 21.0        | 1.5 - 3.0T       |
| SCC1842B  | 17.5        | 1.5 - 3.5T       |
| SCC1842C  | 21.0        | 1.5 - 3.5T       |
| SCC3642D  | 24.5        | 3.0 - 3.5T       |
| SCC3042B  | 17.5        | 2.5 - 3.5T       |
| SCC3042C  | 21.0        | 2.5 - 3.5T       |
| SCC3648D  | 24.5        | 3.0 - 4.0T       |
| SCC3660C  | 21.0        | 3.0 - 5.0T       |
| SCC4260D  | 24.5        | 3.5 - 5.0T       |



For use with SE Series split system air conditioners and heat pumps ONLY. Right or left hand connections offer installation flexibility. Drain pan is non-corrosive. Cased coil cabinet is insulated for quiet operation. Coils feature rifled aluminum tubing with aluminum fins.

For the latest AHRI system matches, please visit [AHRIdirectory.org](http://AHRIdirectory.org)





**1.5 - 3 Tons**

**SWP & SWX Wall Mount Air Handlers**

| Model    | Nominal CFM |
|----------|-------------|
| SWP18S1A | 600         |
| SWP24S1A | 800         |
| SWP30S1A | 1000        |
| SWP36S1A | 1200        |
| SWX18S1A | 600         |
| SWX24S1A | 800         |
| SWX30S1A | 1000        |
| SWX36S1A | 1200        |

**208/230V - 1- 60**

**FEATURES**

- Direct-drive, multi-speed motors allow air volume variation for heating / cooling
  - Multi-speed ECM motor: SWX series
  - Fixed speed PSC motor: SWP series
- Thermoplastic drain pan with bottom primary and secondary drain connections
- Built-in filter rack.
- Wall-hanging bracket included.
- Front or bottom return available.
- Optional heating elements in 5kW, 7.5kW, and 10kW.
- All-aluminum coil.



13.4 SEER2, 24 – 60 kbtuh, aluminized steel tubular heat exchanger, horizontal or downflow application, max width of 47” fits in small, standard, and long truck beds. Rugged full perimeter base rails with cornerhoist points and standard forklift slots. Can be rooftop or slab mounted, slide out blower motor for ease of maintenance. SRH: Propane convertible (LP kit included). SRH: Optional field install heat kits available.

**SRH Heat Pump Packaged Unit 13.4 SEER2**

| Cooling Only Model | Cooling BTUH @95°F | Heating BTUH @47°F |
|--------------------|--------------------|--------------------|
| SRHP2400S1A        | 22,800             | 22,800             |
| SRHP3600S1A        | 34,000             | 34,200             |
| SRHP4800S1A        | 46,500             | 47,000             |
| SRHP6000S1A        | 57,000             | 57,000             |

**208/230-1-60**

**2 to 5 Tons**

**Minimum Efficiency**

**13.4 SEER2, 6.7 HSPF2**

Compact cabinet has full perimeter base rails and durable polyurethane finish. Louvered panels protects the coil.



**SRG Gas Electric Packaged Unit 13.4 SEER2**



| Model        | Cooling BTUH @95°F | Heat Input BTUH |
|--------------|--------------------|-----------------|
| SRGP2460S1A  | 22,800             | 60,000          |
| SRGP3060S1A  | 28,400             | 60,000          |
| SRGP3690S1A  | 34,200             | 90,000          |
| SRGP4290S1A  | 40,000             | 90,000          |
| SRGP4890S1A  | 48,000             | 90,000          |
| SRGP6090S1A  | 57,500             | 90,000          |
| SRGP60110S1A | 57,500             | 110,000         |

**208/230-1-60**

**2 to 5 Tons**

**Minimum Efficiency**

**13.4 SEER2, 10.6 EER2**

Compact cabinet has full perimeter base rails and durable polyurethane finish. Louvered panels protects the coil.



Available in 80% AFUE for 40-120k btuh and 96% AFUE for 60-120k btuh, these furnaces provide comfort and affordability. Multi-speed ECM blower motors with aluminized steel tubular heat exchangers and many ease-of-installation features. All variants less than 34" tall. 80% is upflow, horizontal, and downflow configurable. 96% is upflow and horizontal configurable. LP kit included.

**SGF 96% Two-Stage Gas Furnace**

| Upflow/Horiz   | 1 <sup>st</sup> Stage Input | 2 <sup>nd</sup> Stage Input |
|----------------|-----------------------------|-----------------------------|
| SGF96T060B3S1A | 39                          | 60                          |
| SGF96T080B3S1A | 52                          | 80                          |
| SGF96T080C4S1A | 52                          | 80                          |
| SGF96T100C5S1A | 65                          | 100                         |
| SGF96T100D5S1A | 65                          | 100                         |
| SGF96T120D5S1A | 78                          | 120                         |

120V-1-60

96.0% AFUE



**SGF 80% Single-Stage Gas Furnace**

| Upflow/Down/Horiz | Input BTUH |
|-------------------|------------|
| SGF80S040A3S1A    | 40,000     |
| SGF80S060A3S1A    | 60,000     |
| SGF80S060B4S1A    | 60,000     |
| SGF80S080B4S1A    | 80,000     |
| SGF80S080C4S1A    | 80,000     |
| SGF80S100C5S1A    | 100,000    |
| SGF80S120D5S1A    | 120,000    |

120V-1-60

80% AFUE



**Real-Time Ratings Generator**

*This new website will allow instant access to the newest AHRI ratings, AHRI Certificate Numbers, Tax Certifications Statements (where applicable).*

[www.AHRIdirectory.org](http://www.AHRIdirectory.org)

# NORTEK-STYLE MANUFACTURED HOUSING FURNACES



## MG1E 80% AFUE Downflow Gas Furnaces

| Model           | Input BTUH | Output BTUH | Dimensions H x D x W    |
|-----------------|------------|-------------|-------------------------|
| MG1E-B056F1AAM* | 56 MBH     | 45 MBH      | 56" x 23-3/4" x 19-3/4" |
| MG1E-B070F1AAM* | 70 MBH     | 57 MBH      | 56" x 23-3/4" x 19-3/4" |
| MG1E-B077F1AAM* | 77 MBH     | 62 MBH      | 56" x 23-3/4" x 19-3/4" |
| MG1E-B090F1AAM* | 85 MBH     | 67 MBH      | 56" x 23-3/4" x 19-3/4" |
| MG1E-B056F1ABM* | 56 MBH     | 45 MBH      | 76" x 23-3/4" x 19-3/4" |
| MG1E-B070F1ABM* | 70 MBH     | 57 MBH      | 76" x 23-3/4" x 19-3/4" |
| MG1E-B077F1ABM* | 77 MBH     | 62 MBH      | 76" x 23-3/4" x 19-3/4" |
| MG1E-B090F1ABM* | 85 MBH     | 67 MBH      | 76" x 23-3/4" x 19-3/4" |

Available with or without a factory-installed 20" Coil Cabinet, this fully insulated downflow-only 80% gas furnace fits the standard MH footprint. AC-Ready with a 4-Ton ECM blower with 5 speed taps. Optional 26" field-installed coil cabinet available.

## MG2R 95% AFUE Single-Stage Gas Furnaces

| Model           | Input BTUH | Output BTUH | Dimensions H x W x D    |
|-----------------|------------|-------------|-------------------------|
| MG2R-B045F1AAM* | 45 MBH     | 43 MBH      | 56" x 24-5/8" x 19-7/8" |
| MG2R-B060F1AAM* | 60 MBH     | 57 MBH      | 56" x 24-5/8" x 19-7/8" |
| MG2R-B072F1AAM* | 72 MBH     | 68 MBH      | 56" x 24-5/8" x 19-7/8" |
| MG2R-B045F1ABM* | 45 MBH     | 43 MBH      | 76" x 24-5/8" x 19-7/8" |
| MG2R-B060F1ABM* | 60 MBH     | 57 MBH      | 76" x 24-5/8" x 19-7/8" |
| MG2R-B072F1ABM* | 72 MBH     | 68 MBH      | 76" x 24-5/8" x 19-7/8" |

True 95% AFUE efficiency and Category IV venting in a standard MH footprint. Available with or without a factory-installed 20" Coil Cabinet, this fully insulated downflow-only 95% furnace features an AC-Ready, 4-Ton ECM blower with 5 speed taps. Optional 26" field installed coil cabinet available.

| Model           | Input BTUH | Output BTUH | Dimensions H x W x D    |
|-----------------|------------|-------------|-------------------------|
| MG2R-B045F1ACM* | 45 MBH     | 43 MBH      | 76" x 24-5/8" x 19-7/8" |
| MG2R-B060F1ACM* | 60 MBH     | 57 MBH      | 76" x 24-5/8" x 19-7/8" |
| MG2R-B072F1ACM* | 72 MBH     | 68 MBH      | 76" x 24-5/8" x 19-7/8" |

True 95% AFUE efficiency and Category IV venting in a standard MH footprint. Available with or without a factory-installed 27" Coil Cabinet, this fully insulated downflow-only 95% furnace features an AC-Ready, 4-Ton ECM blower with 5 speed taps. Optional 20" field installed coil cabinet available.



MG2R\*A

MG2R\*B/C



**902989**  
Grille & Frame  
sold separately



**E7ED**



**E7EM**

### E7ED-E7EM Electric Furnaces

| Model              | Output kW | BTUH @ 240V | Dimensions H x D x W    |
|--------------------|-----------|-------------|-------------------------|
| <b>E7ED-B010H*</b> | 10.4      | 35,000      | 60-5/8" x 24-1/2" x 20" |
| <b>E7ED-B012H*</b> | 12.0      | 41,000      | 60-5/8" x 24-1/2" x 20" |
| <b>E7ED-B015H*</b> | 15.4      | 53,000      | 60-5/8" x 24-1/2" x 20" |
| <b>E7ED-B017H*</b> | 16.6      | 57,000      | 60-5/8" x 24-1/2" x 20" |
| <b>E7ED-B020H*</b> | 20.4      | 70,000      | 60-5/8" x 24-1/2" x 20" |
| <b>E7ED-B023H*</b> | 22.0      | 75,000      | 60-5/8" x 24-1/2" x 20" |
| <b>E7EM-B010H*</b> | 10.4      | 35,000      | 29" x 24-1/2" x 20"     |
| <b>E7EM-B012H*</b> | 12.0      | 41,000      | 29" x 24-1/2" x 20"     |
| <b>E7EM-B015H*</b> | 15.4      | 53,000      | 29" x 24-1/2" x 20"     |
| <b>E7EM-B017H*</b> | 16.6      | 57,000      | 29" x 24-1/2" x 20"     |
| <b>E7EM-B020H*</b> | 20.4      | 70,000      | 29" x 24-1/2" x 20"     |
| <b>E7EM-B023H*</b> | 22.0      | 75,000      | 29" x 24-1/2" x 20"     |

Versatile, fully insulated electric furnaces that fit standard MH footprint applications. Available with (E7ED) or without (E7EM) a factory-installed 31-1/2" Coil Cabinet. Optional Grille and Frame Assembly (Part# 902989) available for E7EM. Optional 5-Ton Blower available. E7ED for Downflow applications only, while E7EM can be used in Upflow applications.

## JCI-STYLE MANUFACTURED HOUSING FURNACES

### DGAX 80% Gas Furnace - ECM Motor

| Model              | Input BTUH | Output BTUH | Dimensions H x D x W |
|--------------------|------------|-------------|----------------------|
| <b>DGAX056BDTD</b> | 56,000     | 45,000      | 76" x 19.5" x 24.5"  |
| <b>DGAX070BDTD</b> | 70,000     | 56,000      | 76" x 19.5" x 24.5"  |
| <b>DGAX077BDTD</b> | 77,000     | 62,000      | 76" x 19.5" x 24.5"  |
| <b>DGAX090BDTD</b> | 90,000     | 72,000      | 76" x 19.5" x 24.5"  |

For downflow applications only, this 80% AFUE Gas Furnace is built in the USA, and features an integral AC coil cabinet and 4-Ton capacity blower. The DGAX-Series' Hot Surface Ignition saves fuel and increases reliability, and the universal-size disposable air filters offer convenience for the homeowner.



### EBE & EUE Electric Furnace - ECM Motor

| Model                | Input kW | BTUH @ 240V | Dimensions H x D x W |
|----------------------|----------|-------------|----------------------|
| <b>EBE10B/EUE10B</b> | 10       | 34,000      | 51.5" x 19.5" x 24"  |
| <b>EBE12B</b>        | 12       | 39,000      | 51.5" x 19.5" x 24"  |
| <b>EBE15B/EUE15B</b> | 15       | 51,000      | 51.5" x 19.5" x 24"  |
| <b>EBE17B</b>        | 17       | 56,000      | 51.5" x 19.5" x 24"  |
| <b>EBE20B/EUE20B</b> | 20       | 67,000      | 51.5" x 19.5" x 24"  |
| <b>EBE23B</b>        | 23       | 77,000      | 51.5" x 19.5" x 24"  |

Made for years of reliability and installation-ease, the EBE/EUE-Series of Electric Furnaces are built in the USA, and feature an integral AC coil cabinet with a 4-Ton capacity blower. Sequenced heating allows staging with Heat Pumps, while the universal-size disposable air filters offer convenience for the homeowner. EBE-Series are dedicated for downflow applications, whereas the EUE-Series are dedicated for upflow applications.



# MANUFACTURED HOUSING COILS

**Please Note:**

The R Series coils include RDS mitigation board and sensor. Recommended for use with non-LE Series indoor units.

The L Series coils include the RDS sensor only and are intended for use with LE Series indoor units.

The S Series coils are R410A replacement coils only and many not be used for new installations or be eligible for new ratings. (Equipped with 410A piston).

If an L Series coil is used with a non-A2L compliant furnace OR a non-LE Series furnace, a mitigation board (p/n 27A05) will need to be installed in the furnace.

Rifled copper tubing, enhanced aluminum fins. Immersion-tested at 500 psi, then nitrogen-pressurized and sealed. Left-hand refrigerant and plumbing connections. Externally mounted flowrater body with Schrader valve. Heavy duty plastic drain pans on all models. AHRI certifiable with certain brands of A/C and heat pump systems. UL listed for use with both R-410A and R-454B when proper metering device is used.

## CMH Series Manufactured Housing Coils

| Coil Model    | Nominal Tonnage | Dimensions      |                |                  |
|---------------|-----------------|-----------------|----------------|------------------|
|               |                 | Pan Widths (W)" | Pan Depth (D)" | Coil Height (H)" |
| CMH18/36PM1M* | 1.5 - 3         | 18"             | 19.5"          | 17"              |
| CMH24/30PM1M* | 2 - 2.5         | 18"             | 19.5"          | 19"              |
| CMH36PM2M*    | 2.5 - 3         | 18"             | 19.5"          | 19"              |
| CMH42/48PM1M* | 3.5 - 4         | 18"             | 19.5"          | 19"              |
| CMH42/48PM2M* | 3.5 - 4         | 18"             | 19.5"          | 19"              |
| CMH48PM2M*    | 3.5 - 4         | 18"             | 19.5"          | 21"              |
| CMH48/60PM1M* | 4 - 5           | 18"             | 19.5"          | 25"              |
| CMH48/60PM2M* | 4 - 5           | 18"             | 19.5"          | 23"              |
| Service Coils |                 |                 |                |                  |
| CMH18/24PM3M* | 1.5 - 2         | 18"             | 19.5"          | 11"              |
| CMH36PM3M*    | 3               | 18"             | 19.5"          | 15"              |
| CMH42/60PM3M* | 3.5 - 5         | 18"             | 19.5"          | 19"              |



TXV for 1.5 - 2.5 Ton H4TXV01  
TXV for 3 - 4 Ton H4TXV02

**C MH 18 P M 1 M L**

|  |   |
|--|---|
| <p><b>Coil Type</b><br/>C = Uncased<br/>Vertical</p> <p><b>Application</b><br/>MH = Mobile Home</p> <p><b>Nominal Tonnage BTUH</b><br/>18 = 1.5 ton<br/>1824 = 1.5 - 2 ton<br/>24 = 2 ton<br/>2430 = 2 - 2.5 ton<br/>30 = 2.5 ton<br/>3036 = 2.5 - 3 ton<br/>36 = 3 ton<br/>42 = 3.5 ton<br/>4248 = 3.5 - 4 ton<br/>48 = 4 ton<br/>4860 = 4 - 5 ton<br/>60 = 5 ton</p> | <p><b>Refrigerant Detection System</b><br/>R = RDS Controller &amp; Sensor (Factory Installed)<br/>L = Leak Detection Sensor (Factory installed)<br/>S = R410A Service Coil (Replacement only)</p> <p><b>Series</b></p> <p><b>Coil Code</b></p> <p><b>Width</b><br/>M = 18"</p> <p><b>Refrigerant Type &amp; Metering Device</b><br/>P = Piston (R-454B)<br/>A = R-454B Non-bleed HP-A/C TXV<br/>B = R-32 Non-bleed HP-A/C TXV<br/>T = R-410A Non-bleed HP-AC TXV</p> |
|--|---|

## MANUFACTURED HOUSING COILS

### FEATURES

- Rifled copper tubing, enhanced aluminum fins
- Immersion-tested at 500 psi, then nitrogen-pressurized and sealed
- Left-hand refrigerant connections with down-turned headers
- Foam sheet for sealing, drain elbow + hose & clamp
- Heavy duty plastic drain pans on all models
- AHRI certifiable with certain brands of A/C and heat pump systems
- R32 / R454B AC & HP Compatible with RDS Kit (76701706)
- Factory-installed refrigerant sensor bracket
- Externally mounted flow rater body, Field-installed expansion valves available separately



### CMH-N Series Manufactured Housing Coils

| Coil Model           | Nominal Tonnage | Dimensions      |                |                  |
|----------------------|-----------------|-----------------|----------------|------------------|
|                      |                 | Pan Widths (W)" | Pan Depth (D)" | Coil Height (H)" |
| CMH18/36PM1MN        | 1.5 - 3         | 18"             | 19.5"          | 17"              |
| CMH24/30PM1MN        | 2 - 2.5         | 18"             | 19.5"          | 19"              |
| CMH36PM2MN           | 2.5 - 3         | 18"             | 19.5"          | 19"              |
| CMH42/48PM1MN        | 3.5 - 4         | 18"             | 19.5"          | 19"              |
| CMH42/48PM2MN        | 3.5 - 4         | 18"             | 19.5"          | 19"              |
| CMH48PM2MN           | 3.5 - 4         | 18"             | 19.5"          | 21"              |
| CMH48/60PM1MN        | 4 - 5           | 18"             | 19.5"          | 25"              |
| CMH48/60PM2MN        | 4 - 5           | 18"             | 19.5"          | 23"              |
| <b>Service Coils</b> |                 |                 |                |                  |
| CMH18/24PM3MN        | 1.5 - 2         | 18"             | 19.5"          | 11"              |
| CMH36PM3MN           | 3               | 18"             | 19.5"          | 15"              |
| CMH42/60PM3MN        | 3.5 - 5         | 18"             | 19.5"          | 19"              |



TXV for 1.5 - 2.5 Ton H4TXV01  
TXV for 3 - 4 Ton H4TXV02

## MINI-SPLIT AIR DISPLAY RACK



Part #6077  
28 1/4"W x 21-1/2"D & is 74" H

Part #6079  
Century Header



# DUCTLESS MINI-SPLITS

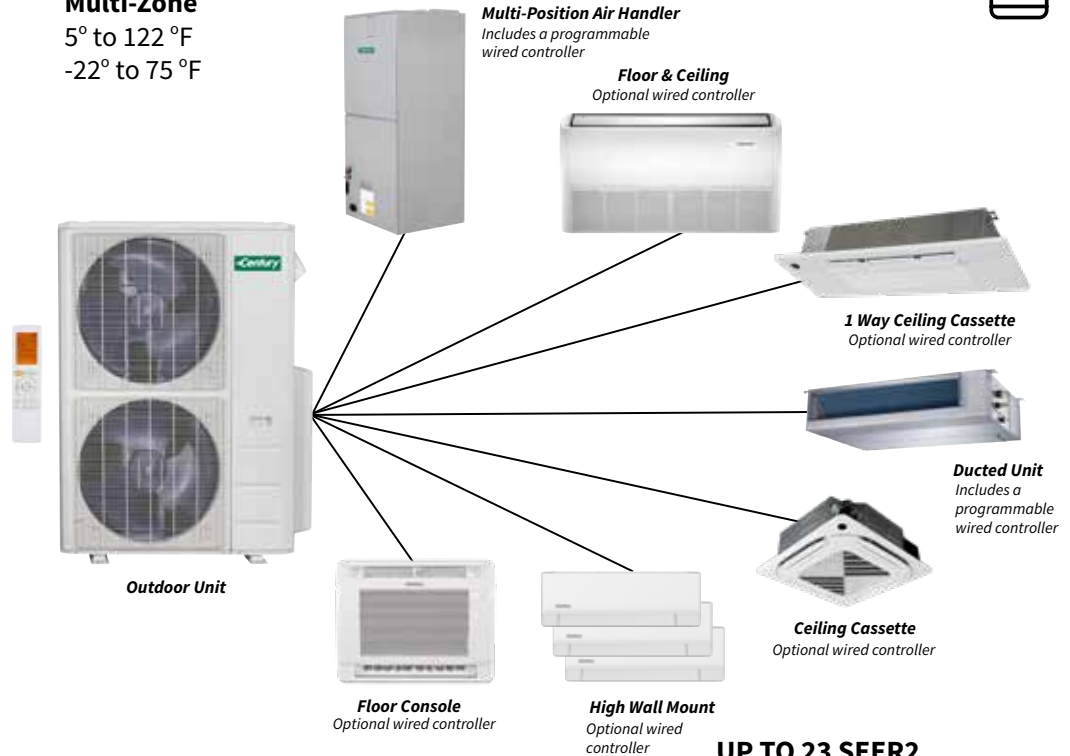
## VHP UltraV Series Multi Zone Mini-Splits

Our new UltraV Series will heat or cool when outdoor temperatures reach -22° F. Multi-zone units run at 100% capacity at 5° F. Single zones maintain 100% capacity at 0° F! This makes these units well suited to installations requiring year 'round conditioning, both residential and light commercial.

Operating range:

|          | Single-Zone   | Multi-Zone    |
|----------|---------------|---------------|
| Cooling= | -22° to 75° F | 5° to 122° F  |
| Heating= | -22° to 75° F | -22° to 75° F |

Advanced inverter technology means the room will reach the preset temperature quickly and that the temperature will be constant without the fluctuations that occur in other systems due to on-off cycling. Energy usage is kept to a minimum as units run at low frequency most of the time. However, when required the unit ramps up automatically to reach and maintain the comfort level.



208/230-1-60

UP TO 23 SEER2

| Indoor Ceiling Cassette                        | Capacity BTUH per unit          | Floor Mount Indoor Unit | Capacity BTUH per unit        |
|--|---------------------------------|-------------------------|-------------------------------|
| B-VHP09CA-1                                    | 9,000 cool, 10,000 heat         | B-VHP09WA-1             | 9,000 cool, 9,000 heat        |
| B-VHP12CA-1                                    | 12,000 cool, 12,000 heat        | B-VHP12WA-1             | 12,000 cool, 12,000 heat      |
| B-VHP18CA-1                                    | 16,000 cool, 19,000 heat        | B-VHP18WA-1             | 16,000 cool, 17,000 heat      |
| B-VHP24CA-1                                    | 23,500 cool, 25,000 heat        | <b>Ducted Unit</b>      | <b>Capacity BTUH per unit</b> |
| <b>Cover Panel for Indoor Ceiling Cassette</b> | <b>Dimensions/Weight</b>        | B-VHP09DA-1             | 9,000 cool, 9,900 heat        |
|  |                                 | B-VHP12DA-1             | 12,000 cool, 12,000 heat      |
| C-VHP91218CA-1                                 | 25.47 X 25.47 X 1.97, 5.51lbs.  | B-VHP18DA-1             | 17,500 cool, 19,500 heat      |
| C-VHP24CA-1                                    | 35.60 x 35.68 x 1.97, 7.52 lbs. | B-VHP24DA-1             | 24,000 cool, 26,000 heat      |
| <b>Floor/Ceiling Mount Indoor</b>              | <b>Capacity BTUH per unit</b>   | B-VHP36DA-1             | 36,000 cool, 42,000 heat      |
|  |                                 | <b>Outdoor Unit</b>     | <b>Capacity BTUH per unit</b> |
| B-VHP18UA-1                                    | 17,000 cool, 19,000 heat        | A-VHP183A-1             | 19,000 cool, 20,000 heat      |
| B-VHP24UA-1                                    | 22,000 cool, 26,000 heat        | A-VHP284A-1             | 27,000 cool, 27,000 heat      |
| <b>One Way Cassette</b>                        | <b>Capacity BTUH per unit</b>   | A-VHP365A-1             | 36,000 cool, 36,000 heat      |
|  |                                 | A-VHP486A-1             | 47,000 cool, 49,000 heat      |
|  |                                 | A-VHP556A-1             | 51,000 cool, 55,000 heat      |
|  |                                 | B-VHP061A-1             | 6,500 cool, 7,400 heat        |
|  |                                 | B-VHP091A-1             | 9,000 cool, 10,900 heat       |
| B-VHP121A-1                                    | 12,000 cool, 12,500 heat        |                         |                               |
| B-VHP181A-1                                    | 16,700 cool, 20,000 heat        |                         |                               |

## VHP-SA Series Multi-Position Air Handler

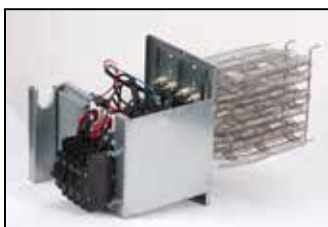
| Multi-Position Air Handler     |                |                |                |                |
|--------------------------------|----------------|----------------|----------------|----------------|
| Features                       | B-VHP18AA-1    | B-VHP24AA-1    | B-VHP30AA-1    | B-VHP36AA-1    |
| Cooling Capacity BTUH          | 18,000         | 23,000         | 33,000         | 36,000         |
| Heating Capacity BTUH          | 19,500         | 26,000         | 35,000         | 38,000         |
| Air Flow Range (CFM)           | 489-577        | 630-759        | 866-1084       | 866-1084       |
| Fan Speeds                     | 3              | 3              | 3              | 3              |
| Sound Level Range (dBA)        | 30-43          | 26-44          | 35-48          | 31-47          |
| Volts / Hz / Phase             | 208/230, 1, 60 | 208/230, 1, 60 | 208/230, 1, 60 | 208/230, 1, 60 |
| Voltage Range                  | 187-253        | 187-253        | 187-253        | 187-253        |
| Cooling Input Power (W)        | 1500           | 1916           | 2820           | 3080           |
| Cooling Rated Current (A)      | 9.1            | 8.7            | 12.5           | 13.4           |
| Heating Input Power (W)        | 1570           | 2180           | 2800           | 3289           |
| Heating Rated Current (A)      | 9.5            | 9.7            | 12.3           | 14.3           |
| Min. Circuit Ampacity          | 3.5            | 4              | 6              | 6              |
| Max. Fuse                      | 15             | 15             | 15             | 15             |
| COP                            | 3.64           | 3.5            | 3.66           | 3.39           |
| Wireless Remote Control        | YES            | YES            | YES            | YES            |
| Wired Programmable Control     | YES            | YES            | YES            | YES            |
| Smart Phone Capable            | YES            | YES            | YES            | YES            |
| Width (inches)                 | 17.52          | 17.52          | 21.02          | 21.02          |
| Height (inches)                | 45             | 45             | 49.02          | 49.02          |
| Depth (inches)                 | 21.02          | 21.02          | 21.02          | 21.02          |
| NET WT / Shipping Wt. (lbs)    | 108.72/125.66  | 108.72/125.66  | 127.87/153.10  | 127.87/153.10  |
| Liquid / Suction Size (inches) | 1/4" x 1/2"    | 3/8" x 5/8"    | 3/8" x 3/4"    | 3/8" x 3/4"    |

## FEATURES

- Aluminum-alloy traditional fin-and-tube coil construction for maximum durability and corrosion resistance
- Efficient and quiet ECM blower motor
- Accepts traditional 24VAC thermostats for convenience and advanced control options
- Optional electric resistance heat kits (up to 15kW) provides auxiliary heat source for comfort during the worst conditions
- Beautiful and durable gloss enameled-steel construction with insulated construction provides less than 2% cabinet leakage
- Built-in return filter rack for 20"x 20"x 1" Filter
- Wired programmable control included



| Auxiliary Heat Kits      |                          |               |             |                    |          |               |               |                     |                     |
|--------------------------|--------------------------|---------------|-------------|--------------------|----------|---------------|---------------|---------------------|---------------------|
|                          | Power of Electric Heater | 1.5 ton / 18K | 2 ton / 24K | Number of Circuits | Voltage  | Circuit 1 MCA | Circuit 2 MCA | Circuit 1 Max. Fuse | Circuit 2 Max. Fuse |
| Optional Electric Heater | EXP3KW                   | YES           | NO          | 1                  | 208/230V | 14A/16A       | -             | 15A/20A             | -                   |
|                          | EXP5KW                   | YES           | YES         | 1                  | 208/230V | 23A/27A       | -             | 25A/30A             | -                   |
|                          | EXP8KW                   | YES           | YES         | 1                  | 208/230V | 37A/42A       | -             | 40A/45A             | -                   |
|                          | EXP10KW                  | YES           | YES         | 1                  | 208/230V | 46A/53A       | -             | 50A/60A             | -                   |
|                          | EXP15KW                  | NO            | YES         | 2                  | 208/230V | 23A/27A       | 46A/53A       | 25A/30A             | 50A/60A             |



Wired programmable control



| PLENUM SIZES |                     |
|--------------|---------------------|
| SUPPLY AIR   | 18+24K= 12"D x 16"W |
| RETURN AIR   | 24+36K= 20"D x 16"W |

## VHP-SA UltraV Series Single Zone Mini-Splits

Super efficient heat pumps are rated up to 28.1 SEER2 and operate down to -22°F. 100% capacity at 0°F. Inverter technology saves up to 40% in energy consumption.



A- (outdoor)  
B- (indoor)



Includes wireless remote

208/230-1-60

UP TO 28.1 SEER2

| Outdoor Model | Specifications  |
|---------------|---|
| A-VHP06SA-1   | 6,000 cool, 7,000 heat, 25.5 SEER2, 18 EER2, 14.8 HSPF2     |
| A-VHP09SA-1   | 9,000 cool, 12,000 heat, 27.4 SEER2, 15.4 EER2, 12.5 HSPF2  |
| A-VHP12SA-1   | 12,000 cool, 12,000 heat, 25.4 SEER2, 13.4 EER2, 10.5 HSPF2 |
| A-VHP18SA-1   | 18,000 cool, 18,000 heat, 21.4 SEER2, 12.5 EER2, 11.0 HSPF2 |
| A-VHP24SA-1   | 24,000 cool, 29,000 heat, 21 SEER2, 13 EER2, 13.5 HSPF2     |
| A-VHP33SA-1   | 33,000 cool, 36,000 heat, 19 SEER2, 12 EER2, 10.5 HSPF2     |
| Indoor Model  | Specifications  |
| B-VHP06SA-1   | 6,000 cool, 7,000 heat, 324 max. CFM                        |
| B-VHP09SA-1   | 9,000 cool, 12,000 heat, 324 max. CFM                       |
| B-VHP12SA-1   | 12,000 cool, 12,000 heat, 324 max. CFM                      |
| B-VHP18SA-1   | 18,000 cool, 18,000 heat, 500 max. CFM                      |
| B-VHP24SA-1   | 24,000 cool, 29,000 heat, 618 max. CFM                      |
| B-VHP33SA-1   | 33,000 cool, 36,000 heat, 736 max. CFM                      |

## SSP-SA Series Single-Zone Heat Pumps

UP TO 19 SEER2

| Model     | Specifications   |
|-----------|--|
| SSP09SA-0 | 9,000 cool/9,800 heat BTU, 115V, 18 SEER2, 10.1 EER2, 9 HSPF2          |
| SSP09SA-1 | 9,000 cool/10,000 heat BTU, 208/230V, 19 SEER2, 10.9 EER2, 9.7 HSPF2   |
| SSP12SA-0 | 12,000 cool/12,000 heat BTU, 115V, 19 SEER2, 8.8 EER2, 9.2 HSPF2       |
| SSP12SA-1 | 12,000 cool/12,000 heat BTU, 208/230V, 18 SEER2, 8.8 EER2, 8.8 HSPF2   |
| SSP18SA-1 | 17,000 cool/18,000 heat BTU, 208/230V, 18.3 SEER2, 9.9 EER2, 8.7 HSPF2 |
| SSP24SA-1 | 24,000 cool/24,000 heat BTU, 208/230V, 17 SEER2, 9.0 EER2, 8.5 HSPF2   |

Optional 115 or 230 volt available on 9K and 12K

Our SSP-Series, rated up to 19 SEER2, offers economical zone control because only the room or area being used is conditioned. Also inverter technology matches the compressor speed to the room's changing temperature requirements.



\*Optional programmable wired controller and smartphone compatibility sold separately



## ZHP-SA Series Single-Zone Heat Pumps

UP TO 35 SEER2

| Model     | Specifications   |
|-----------|--|
| ZHP06SA-1 | 6,000 cool/9,000 heat BTU, 208/230V, 35 SEER2, 17.4 EER2, 30 HSPF2       |
| ZHP09SA-1 | 9,000 cool/12,000 heat BTU, 208/230V, 33 SEER2, 17 EER2, 22 HSPF2        |
| ZHP12SA-1 | 12,000 cool/12,000 heat BTU, 208/230V, 29.4 SEER2, 14.2 EER2, 14.5 HSPF2 |
| ZHP15SA-1 | 17,000 cool/20,000 heat BTU, 208/230V, 25.6 SEER2, 15 EER2, 16.2 HSPF2   |
| ZHP18SA-1 | 17,000 cool/20,000 heat BTU, 208/230V, 25.6 SEER2, 15 EER2, 16.2 HSPF2   |
| ZHP24SA-1 | 24,000 cool/TBD heat BTU, 208/230V, 25 SEER2, 9.0 EER2, 13.1 HSPF2       |

Our ZHP-Series, rated up to 35 SEER2, showcases energy efficiency in a streamlined, modern, whisper-quiet design. Also inverter technology matches the compressor speed to the room's changing temperature requirements.



# PTAC/PTHP

## 26" Package Terminal Units

| Model     | Cooling BTUH  | Elec. Heat kW | Heating BTUH  | EER       | Amps | Ship Wt. |
|-----------|---------------|---------------|---------------|-----------|------|----------|
| PTTC09B-1 | 9,100/9,300   | N/A           | N/A           | 9.8/9.8   | 15A  | 84       |
| PTTC12B-1 | 11,800/12,000 | N/A           | N/A           | 9.8/9.8   | 15A  | 92       |
| PTTC09C-1 | 9,200/9,400   | 2.9/3.6       | N/A           | 10.2/10.0 | 15A  | 79.4     |
| PTTC12C-1 | 12,200/12,600 | 2.9/3.6       | N/A           | 9.8/9.8   | 15A  | 88.2     |
| PTTE09C-1 | 9,200/9,400   | 2.9/3.6       | N/A           | 10.2/10.0 | 20A  | 80.5     |
| PTTE12C-1 | 12,200/12,600 | 2.9/3.6       | N/A           | 9.8/9.8   | 20A  | 89.3     |
| PTTH09C-1 | 9,100/9,300   | 2.9/3.6       | 8,400/8,600   | 9.8/9.8   | 20A  | 88.2     |
| PTTH12C-1 | 11,800/12,000 | 2.9/3.6       | 10,800/11,100 | 9.5/9.5   | 20A  | 93.7     |

Available in cooling only, electric heat and heat pump models.

For installation flexibility, the unit is designed to be controlled either by a full function on-board control panel or by a wireless remote control.



B = R410A Refrigerant  
C = R32 Refrigerant

208/230-1-6

9,000 to 12,000 BTUH

Our 26" PTAC air conditioners and heat pumps provide year-round comfort – room by room – for hotels, motels, apartments, office buildings, schools, nursing homes and more. Designed for quick installation in most 16" x 26" wall sleeves, they're great for new construction as well as replacements, especially where a standard 42" PTAC may be too large.

Combining attractive appearance with state-of-the-art technology, these units minimize energy usage while ensuring guest comfort. Available in cooling only, electric heat and heat pump versions.



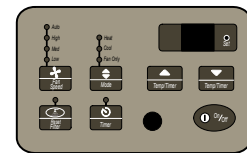
### FEATURES

**Energy-Efficient**—High energy efficiency ratios (EERs) save on utility costs; owner-programmed setback allowed for periods of inactivity and in-room temperature limitations.

**Quiet Operation**—Indoor sound reduction is achieved through the unit's two permanently lubricated fan motors; compressor has rubber grommet mounting.

**Fresh Air Control Plate**—Allows outdoor air into room through filtered vent, 23 CFM.

**Easy to Service**—The one-piece filter design provides enhanced air filtration. Conveniently located on the front of the unit, filters can be easily removed for cleaning.



LED display and touchpad buttons are simple to understand and easy to use.

## 42" Package Terminal Units

| Cooling Models | Nom. Cooling BTUH | Heat Pumps   | Nom. Cooling BTUH | Heating Capacity BTUH |
|----------------|-------------------|--------------|-------------------|-----------------------|
| PTAC07H130A    | 7,200/7,300       | PTHP07H130A  | 7,100/7,200       | 6,000/6,200           |
| PTAC09H130A    | 9,000/9,200       | PTHP09H130A  | 9,200/9,300       | 7,900/8,100           |
| PTAC12H130A*   | 11,800/12,000     | PTHP12H130A* | 11,800/12,000     | 10,500/10,800         |
| PTAC12H150A*   | 11,800/12,000     | PTHP12H150A* | 11,800/12,000     | 10,500/10,800         |
| PTAC15H130A*   | 14,500/14,700     | PTHP15H130A* | 14,500/14,700     | 13,200/13,500         |
| PTAC15H150A*   | 14,500/14,700     | PTHP15H150A* | 14,500/14,700     | 13,200/13,500         |

Digital controls and temperature limiting for guest comfort and efficiency. All models include electric heat as standard. With built-in condensate management system and freeze protection.



208/230V-1-60

Electric heat standard: 7,000 BTUH models have 2kW electric heat and 9,000 BTUH models have 3kW electric heat; 12,000 & 15,000 BTUH models come with 3kW or 5kW heat.

\*Available in Seacoast

12,000 and 15,000 BTUH models now available with corrosion resistant seacoast coating on components. To order, add "SC" to part number.



# GEOTHERMAL/WATER SOURCE EQUIPMENT

## ME Series / GeoLogix™ with Two-Way Communicating Controls

| Model | Capacity Modulation | Specs for Groundwater Installation |         | EER  | COP |
|-------|---------------------|------------------------------------|---------|------|-----|
|       |                     | Cooling                            | Heating |      |     |
| ME024 | Full                | 28,600                             | 23,400  | 26.2 | 5   |
|       | Part                | 20,200                             | 17,100  | 36.2 | 5.7 |
| ME036 | Full                | 41,000                             | 35,700  | 24.4 | 4.9 |
|       | Part                | 30,200                             | 25,800  | 35.3 | 5.6 |
| ME048 | Full                | 54,600                             | 49,100  | 26   | 4.5 |
|       | Part                | 41,000                             | 33,700  | 41.8 | 5.3 |
| ME060 | Full                | 66,800                             | 55,700  | 24.7 | 4.7 |
|       | Part                | 48,000                             | 35,900  | 32.9 | 4.8 |
| ME072 | Full                | 77,000                             | 67,400  | 22.4 | 4.4 |
|       | Part                | 61,400                             | 48,000  | 34.8 | 4.5 |

BTUH Ratings: Cooling at 59°F entering water temp; heating at 50°F entering water temperature.



**208/230-1-60**  
**2 to 6 Tons**

DMX2 digital controller uses information from sensors to customize the operation for optimal efficiency. Operational data is displayed in plain English on communicating thermostat or optional diagnostic tool. ME models work for open loop, closed loop residential applications. Features two stage compressor, variable speed flow technology, ECM blower motor.



## MJ Series / GeoLogix™ Plus Two Stage Geothermal Heat Pump (Split)

### MJ ISO Ratings (Part Load)

| Model | Motor Type | Ground Water Heat Pump |      |          |     |
|-------|------------|------------------------|------|----------|-----|
|       |            | Cooling                |      | Heating  |     |
|       |            | Capacity               | EER  | Capacity | COP |
| MJ024 | EC         | 18,100                 | 28.5 | 16,400   | 4.8 |
| MJ036 | EC         | 29,500                 | 30.4 | 24,000   | 4.6 |
| MJ048 | EC         | 38,100                 | 29.0 | 31,300   | 4.6 |
| MJ060 | EC         | 46,500                 | 25.8 | 38,900   | 4.4 |

Exceptional efficiency with full/part load shifting and two-stage scroll compressor. Features micro-processor controls, quiet operation and performance monitoring system.

Cabinets can be stacked for multi-unit installations.

### MJ ISO Ratings (Full Load)

| Model | Motor Type | Ground Water Heat Pump |      |          |     |
|-------|------------|------------------------|------|----------|-----|
|       |            | Cooling                |      | Heating  |     |
|       |            | Capacity               | EER  | Capacity | COP |
| MJ024 | EC         | 24,700                 | 23.6 | 22,800   | 4.6 |
| MJ036 | EC         | 41,000                 | 23.6 | 33,200   | 4.4 |
| MJ048 | EC         | 51,100                 | 21.0 | 46,800   | 4.2 |
| MJ060 | EC         | 63,900                 | 20.3 | 56,200   | 4.2 |



**208/230-1-60**  
**2 to 5 Tons**



| Model | Capacity Modulation | Specs for Groundwater Installation |         | EER  | COP |
|-------|---------------------|------------------------------------|---------|------|-----|
|       |                     | Cooling                            | Heating |      |     |
| MZ024 | Full                | 27,000                             | 23,500  | 24.1 | 4.7 |
|       | Part                | 20,000                             | 16,600  | 29.7 | 4.8 |
| MZ030 | Full                | 32,900                             | 28,700  | 21.7 | 4.1 |
|       | Part                | 24,700                             | 20,800  | 26.4 | 4.4 |
| MZ036 | Full                | 39,300                             | 36,300  | 20.2 | 4.2 |
|       | Part                | 29,900                             | 25,700  | 26   | 4.4 |
| MZ042 | Full                | 47,500                             | 41,000  | 22.8 | 4.2 |
|       | Part                | 36,000                             | 29,800  | 28.5 | 4.5 |
| MZ048 | Full                | 52,000                             | 45,000  | 22.9 | 4.3 |
|       | Part                | 38,500                             | 31,800  | 28.5 | 4.5 |
| MZ060 | Full                | 65,000                             | 55,700  | 22.8 | 4.4 |
|       | Part                | 47,000                             | 38,500  | 29   | 4.7 |

BTUH Ratings: Cooling at 59°F entering water temperature; heating at 50°F entering water temperature.

## GeoLogix™ MZ Series / Heat Pump

Efficient, compact two stage heat pump with ECM blower motor, integrated digital communication controls, and scroll compressor. Large filter improves indoor air quality.

Available in vertical or horizontal cabinet.

208/230-1-60



## MA Series / Air Handlers for Geo Split Systems

| Model           |              | Ground Water Heat Pump |      |          |     |
|-----------------|--------------|------------------------|------|----------|-----|
|                 |              | Cooling                |      | Heating  |     |
|                 |              | Capacity               | EER  | Capacity | COP |
| MAN024AJAANNVNS | Partial Load | 18,400                 | 30.1 | 16,300   | 5.0 |
|                 | Full Load    | 24,700                 | 25.2 | 22,500   | 4.8 |
| MAN036AJAANNVNS | Partial Load | 30,200                 | 31.2 | 24,000   | 4.7 |
|                 | Full Load    | 41,800                 | 25.0 | 33,700   | 4.7 |
| MAN048AJAANNVNS | Partial Load | 38,500                 | 31.3 | 31,500   | 4.6 |
|                 | Full Load    | 51,900                 | 22.2 | 46,000   | 4.4 |
| MAN060AJAANNVNS | Partial Load | 47,400                 | 28.7 | 38,200   | 4.5 |
|                 | Full Load    | 65,000                 | 22.9 | 55,100   | 4.3 |

BTUH Ratings: cooling at 59°F entering water temperature; heating at 50°F entering water temperature.

Electric heater kits available in 240V/208V, 2.9 to 14.4kW. Heater mounts internally in units; control board activates elements via internally wired low voltage harness.



| Capacity - Size | Air Handler |       |        |       |
|-----------------|-------------|-------|--------|-------|
|                 | Width       | Depth | Height |       |
| MAN024AJAANNVNS | in          | 18.5  | 22.0   | 44.0  |
|                 | cm          | 47.0  | 55.9   | 111.8 |
| MAN036AJAANNVNS | in          | 22.0  | 22.0   | 55.0  |
|                 | cm          | 55.9  | 55.9   | 139.7 |
| MAN048AJAANNVNS | in          | 22.0  | 22.0   | 55.0  |
|                 | cm          | 55.9  | 55.9   | 139.7 |
| MAN060AJAANNVNS | in          | 25.5  | 22.0   | 59.0  |
|                 | cm          | 64.8  | 55.9   | 149.9 |



## MK Series / Coils for Geo Split Systems

| Capacity - Size |    | Case  |          |        |
|-----------------|----|-------|----------|--------|
|                 |    | Width | Depth    | Height |
| MKN024AJ0ANNNOs | in | 17.5" | 21.6875" | 20"    |
| MKN036AJ0BNNNOs | in | 21"   | 21.6875" | 28"    |
| MKN048AJ0BNNNOs | in | 21"   | 21.6875" | 28"    |
| MKN060AJ0CNNNOs | in | 24.5" | 21.6875" | 32"    |

Cased coils are ideal for dual fuel add-on applications. Fully insulated cabinets come with dual right and left hand condensate drain connections. Fully insulated cabinet includes corrosion-proof drain pan, and all aluminum evaporator coil. Equipped with TXV. AHRI certified when matched with MJ split units.



## MW Series / Water-to-Water Geothermal Systems

| Model | Ground Loop Heat Pump |      |                   |     |
|-------|-----------------------|------|-------------------|-----|
|       | Full Cooling 77°F     |      | Full Heating 32°F |     |
|       | Capacity              | EER  | Capacity          | COP |
| MW036 | 18,100                | 28.5 | 16,400            | 4.8 |
| MW060 | 29,500                | 30.4 | 24,000            | 4.6 |
| MW120 | 38,100                | 29.0 | 31,300            | 4.6 |

For a wide range of residential and industrial applications including radiant floors, ice melting, potable hot water, etc. Units are available for ground water, ground loop and water loop applications. Features include microprocessor controls, scroll compressor, performance monitoring system, and insulated refrigerant circuit.

BTUH Ratings: Cooling at 86°F entering water temperature; heating at 68°F entering water temperature.



[www.heatcontroller.com](http://www.heatcontroller.com)

## MD Series / Water-Source Console

A ductless solution where space is limited or structural integrity is required. Compact console is efficient and reliable, with microprocessor controls, performance monitoring system, and polyester powder coat finish on galvanized steel cabinet. With extended operating range, units are capable of ground loop as well as water loop (boiler-tower) installations. Installation options include right- or left-hand piping, front or bottom return air.



| Model | Motor Type | Water Loop Heat Pump |            |                |     |
|-------|------------|----------------------|------------|----------------|-----|
|       |            | Cooling @ 86°F       |            | Heating @ 68°F |     |
|       |            | Capacity Btuh        | EER Btuh/W | Capacity Btuh  | COP |
| MD09  | PSC        | 8,500                | 13.3       | 11,400         | 4.5 |
|       | EC         | 8,600                | 14.0       | 11,300         | 4.6 |
| MD12  | PSC        | 11,300               | 13.0       | 14,300         | 4.5 |
|       | EC         | 11,600               | 13.5       | 14,500         | 4.5 |
| MD15  | PSC        | 13,700               | 12.9       | 17,500         | 4.7 |
|       | EC         | 13,800               | 13.2       | 18,000         | 4.8 |
| MD18  | EC         | 17,000               | 13.0       | 23,000         | 4.2 |

Specifications for MD Console:

Water Loop installation: Cooling at 86°F WB entering air temperature, heating at 59°F entering air temperature.

Available voltages: 208/230-1-60, 115-1-60, 265-1-60.



## MH Series / Vertical Stacks

TESTED TO ASHRAE/AHRI/ISO 13256-1 ENGLISH (I-P) UNITS

| Model with ECM Motor | Water Loop Heat Pump |            |               |     | Ground Loop Heat Pump |            |               |     |
|----------------------|----------------------|------------|---------------|-----|-----------------------|------------|---------------|-----|
|                      | Cooling 86°F         |            | Heating 68°F  |     | Cooling 77°F          |            | Heating 32°F  |     |
|                      | Capacity Btuh        | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh         | EER Btuh/W | Capacity Btuh | COP |
| MHM09                | 9200                 | 14.3       | 12200         | 5.4 | 9700                  | 16.2       | 7100          | 3.3 |
| MHM12                | 11800                | 14.1       | 15200         | 5.3 | 12100                 | 16.8       | 9000          | 3.2 |
| MHM15                | 14600                | 15.9       | 17500         | 5.3 | 15500                 | 18.8       | 11000         | 3.6 |
| MHM18                | 18000                | 15.2       | 22200         | 5.1 | 18500                 | 17.3       | 13200         | 3.3 |
| MHM24                | 25000                | 15.7       | 32500         | 5.1 | 26500                 | 18.5       | 18200         | 3.5 |
| MHM30                | 28000                | 15.1       | 34500         | 5.0 | 29000                 | 17.6       | 22200         | 3.6 |
| MHM36                | 35000                | 14.6       | 40500         | 5.0 | 36000                 | 16.5       | 25500         | 3.5 |



The MH Series vertical stack offers an innovative, labor-saving solution for spaces where individual, quiet control of the heating and cooling system is important. Using R454B refrigerant, the MH Series vertical stack not only protects the environment, it does so while delivering unprecedented comfort, efficiency, and reliability.



Compact units are both energy and space efficient. Ideal for replacements. For boiler/cooling tower applications; multiple units are connected by a water loop with independent control of each zone. Each unit can be operated year-round in heating or cooling mode. Features performance monitoring system and quiet operation. Horizontal units come with factory-installed hanger brackets and field-convertible discharge. Some models with water side economizers.



All units available in right or left return.

**Most models 015-060 available with ECM**



## MC Series / Commercial Water-Source Heat Pumps

| Model | Motor Type | Water Loop Performance |      |                     |     | Shipping Wt. (lbs) |
|-------|------------|------------------------|------|---------------------|-----|--------------------|
|       |            | Cooling @ 86°F EWT     |      | Heating @ 68°F EWT* |     |                    |
|       |            | BTUH                   | EER  | BTUH                | COP |                    |
| MC006 | PSC        | 5,900                  | 13.4 | 8,400               | 4.8 | 113                |
|       | EC         | 6,100                  | 15.0 | 8,300               | 5.1 | 113                |
| MC009 | PSC        | 8,500                  | 13.8 | 11,700              | 4.4 | 115                |
|       | EC         | 8,600                  | 14.3 | 11,600              | 4.5 | 115                |
| MC012 | PSC        | 10,500                 | 12.7 | 14,400              | 4.5 | 124                |
|       | EC         | 10,700                 | 13.4 | 14,400              | 4.6 | 124                |
| MC015 | PSC        | 14,500                 | 15.2 | 16,000              | 4.8 | 158                |
|       | EC         | 14,700                 | 16.4 | 15,900              | 4.9 | 158                |
| MC018 | PSC        | 17,900                 | 14.3 | 21,500              | 4.9 | 163                |
|       | EC         | 18,000                 | 15.0 | 21,500              | 5.1 | 163                |
| MC024 | PSC        | 24,700                 | 14.7 | 28,800              | 5.0 | 194                |
|       | EC         | 24,900                 | 15.4 | 28,500              | 5.1 | 194                |
| MC030 | PSC        | 28,800                 | 13.7 | 35,400              | 4.6 | 202                |
|       | EC         | 29,200                 | 14.5 | 35,000              | 4.8 | 202                |
| MC036 | PSC        | 34,800                 | 14.6 | 43,900              | 4.6 | 209                |
|       | EC         | 35,200                 | 15.3 | 43,500              | 4.8 | 209                |
| MC042 | PSC        | 41,100                 | 14.0 | 49,500              | 4.6 | 224                |
|       | EC         | 41,800                 | 15.2 | 48,500              | 4.9 | 224                |
| MC048 | PSC        | 48,000                 | 14.3 | 57,900              | 4.7 | 322                |
|       | EC         | 48,900                 | 15.2 | 57,500              | 4.8 | 322                |
| MC060 | PSC        | 59,400                 | 13.2 | 70,000              | 4.4 | 337                |
|       | EC         | 60,200                 | 14.7 | 68,000              | 4.7 | 337                |
| MC041 | PSC        | 36,000                 | 14.0 | 43,300              | 4.3 | 217                |

These individual packaged units transfer heat via water loop systems for effective heating and cooling. Our largest capacity units, they feature belt drive blowers and reliable scroll compressors. Power and water connections can be made on either side, and discharge air is field convertible.

Because each unit operates independently of others, they can be zoned for maximum comfort. With their large capacity, this equipment meets the requirements of common areas, gymnasiums, cafeterias and other areas where individual comfort control of a large area is required, and is also ideal for multi-story structures.

The extended range option allows ground water and ground loop installations (requires extended range insulation package.)



## MB Horizontal/Vertical Large Series Performance Data

| Model | Water Loop Heat Pump |            |                |     |
|-------|----------------------|------------|----------------|-----|
|       | Cooling @ 86°F       |            | Heating @ 68°F |     |
|       | Capacity BTUH        | EER BTUH/W | Capacity BTUH  | COP |
| 072   | 71,000               | 14.1       | 92,300         | 5.3 |
|       | 72,000               | 14.5       | 91,400         | 5.4 |
| 96    | 101,000              | 15.3       | 122,800        | 5.0 |
|       | 101,700              | 15.5       | 123,000        | 5.1 |
| 120   | 122,000              | 13.7       | 156,000        | 4.6 |
|       | 124,000              | 13.9       | 156,000        | 4.7 |







"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."

*Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.*

*Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.*