



2018

# *Residential* Condensed Catalog





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# Certifications

ICP Products meet or exceed industry standards.



As an ENERGY STAR® partner, ICP has determined that qualifying models meet ENERGY STAR guidelines for energy efficiency. Visit [www.energystar.gov](http://www.energystar.gov).



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahrirectory.org](http://www.ahrirectory.org).



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**Residential  
Model  
Nomenclatures**

# 90% Gas Furnace

| GAS FURNACE MODEL NUMBER IDENTIFICATION GUIDE  |   |   |   |   |   |         |       |        |    |    |
|--|---|---|---|---|---|---------|-------|--------|----|----|
| DIGIT POSITION   | 1   | 2 | 3 | 4 | 5 | 6, 7, 8 | 9, 10 | 11, 12 | 13 | 14 |
|  | *   | 9 | M | A | E | 060     | 17    | 14     | A  | 1  |
| F, G = Mainline<br>N = Entry   | <b>BRANDING</b>                                 |   |   |   |   |         |       |        |    |    |
| 9 = 90% - 100%   | <b>EFFICIENCY</b>                               |   |   |   |   |         |       |        |    |    |
| M = Multiposition  | <b>FEATURE</b>                                  |   |   |   |   |         |       |        |    |    |
| A = ECM Variable Speed<br>V = ECM Variable Speed<br>X = ECM (Speed Select)<br>S = Single-stage<br>T = Two-stage  | <b>FEATURE</b>                                  |   |   |   |   |         |       |        |    |    |
| B = Base AFUE Efficiency<br>E = Extra AFUE Efficiency<br>C = Communicating<br>D = Dual Certified 2-pipe or 1-pipe<br>R = 2-pipe only<br>S = Single-stage<br>T = Two-stage<br>N = Standard<br>L = Low NOx | <b>FEATURE</b>                                  |   |   |   |   |         |       |        |    |    |
| 040 = 40,000 BTU/hr<br>060 = 60,000 BTU/hr<br>080 = 80,000 BTU/hr<br>100 = 100,000 BTU/hr<br>120 = 120,000 BTU/hr<br>140 = 140,000 BTU/hr  | <b>INPUT HEAT</b>                               |   |   |   |   |         |       |        |    |    |
| 14 = 14-3/16"<br>17 = 17-1/2"<br>21 = 21"<br>24 = 24-1/2"  | <b>CABINET WIDTH</b>                            |   |   |   |   |         |       |        |    |    |
| 08 = 800 CFM (max)<br>10 = 1000 CFM (max)<br>12 = 1200 CFM (max)<br>14 = 1400 CFM (max)<br>16 = 1600 CFM (max)<br>20 = 2000 CFM (max)<br>22 = 2200 CFM (max)   | <b>NOMINAL MAX. COOLING AIRFLOW @ .5 IN.W.C</b> |   |   |   |   |         |       |        |    |    |
| SALES (MAJOR) REVISION DIGIT   |   |   |   |   |   |         |       |        |    |    |
| ENGINEERING (MINOR) REVISION DIGIT   |   |   |   |   |   |         |       |        |    |    |

# 80% Gas Furnace

| GAS FURNACE MODEL NUMBER IDENTIFICATION GUIDE |   |                   |   |   |   |         |       |        |    |    |
|---|---|-------------------|---|---|---|---------|-------|--------|----|----|
| DIGIT POSITION                                | 1 | 2                 | 3 | 4   | 5 | 6, 7, 8 | 9, 10 | 11, 12 | 13 | 14 |
|   | * | 8                 | M | X   | N | 045     | 14    | 12     | A  | 1  |
| F, G = Mainline<br>N = Entry                  |   | <b>BRANDING</b>   |   |   |   |         |       |        |    |    |
| 80 = 80+                                      |   | <b>EFFICIENCY</b> |   |   |   |         |       |        |    |    |
| M = Multiposition                             |   | <b>FEATURE</b>    |   |   |   |         |       |        |    |    |
| V = ECM Variable Speed                        |   |                   |   |   |   |         |       |        |    |    |
| X = ECM (Speed Select)                        |   |                   |   |   |   |         |       |        |    |    |
| H = Horizontal                                |   |                   |   |   |   |         |       |        |    |    |
| S = Single-stage                              |   |                   |   |   |   |         |       |        |    |    |
| T = Two-stage                                 |   | <b>FEATURE</b>    |   |   |   |         |       |        |    |    |
| A = Modulating                                |   |                   |   |   |   |         |       |        |    |    |
| D = Dual Certified 2-pipe or 1-pipe           |   |                   |   |   |   |         |       |        |    |    |
| R = 2-pipe only                               |   |                   |   |   |   |         |       |        |    |    |
| N = Standard                                  |   |                   |   |   |   |         |       |        |    |    |
| L = Low NOx                                   |   |                   |   | <b>FEATURE</b>                                      |   |         |       |        |    |    |
| 045 = 44,000 BTU/hr                           |   |                   |   |   |   |         |       |        |    |    |
| 070 = 66,000 BTU/hr                           |   |                   |   |   |   |         |       |        |    |    |
| 090 = 88,000 BTU/hr                           |   |                   |   |   |   |         |       |        |    |    |
| 110 = 110,000 BTU/hr                          |   |                   |   |   |   |         |       |        |    |    |
| 135 = 132,000 BTU/hr                          |   |                   |   |   |   |         |       |        |    |    |
| 155 = 154,000 BTU/hr                          |   |                   |   | <b>INPUT HEAT</b>                                   |   |         |       |        |    |    |
| 14 = 14-3/16"                                 |   |                   |   |   |   |         |       |        |    |    |
| 17 = 17-1/2"                                  |   |                   |   |   |   |         |       |        |    |    |
| 21 = 21"                                      |   |                   |   |   |   |         |       |        |    |    |
| 24 = 24-1/2"                                  |   |                   |   | <b>CABINET WIDTH</b>                                |   |         |       |        |    |    |
| 08 = 800 CFM (max)                            |   |                   |   |   |   |         |       |        |    |    |
| 12 = 1200 CFM (max)                           |   |                   |   |   |   |         |       |        |    |    |
| 14 = 1400 CFM (max)                           |   |                   |   |   |   |         |       |        |    |    |
| 16 = 1600 CFM (max)                           |   |                   |   |   |   |         |       |        |    |    |
| 20 = 2000 CFM (max)                           |   |                   |   |   |   |         |       |        |    |    |
| 22 = 2200 CFM (max)                           |   |                   |   | <b>NOMINAL MAXIMUM COOLING AIRFLOW @ .5 IN.W.C.</b> |   |         |       |        |    |    |
| SALES (MAJOR) REVISION DIGIT                  |   |                   |   |   |   |         |       |        |    |    |
| ENGINEERING (MINOR) REVISION DIGIT            |   |                   |   |   |   |         |       |        |    |    |

# Gas Furnace Accessories

| ACCESSORIES MODEL NUMBER IDENTIFICATION GUIDE            |                      |          |                  |                     |            |           |           |
|--|----------------------|----------|------------------|---------------------|------------|-----------|-----------|
| DIGIT POSITION   | 1                    | 2        | 3                | 4                   | 5, 6, 7    | 8, 9      | 10, 11    |
|  | <b>N</b>             | <b>A</b> | <b>H</b>         | <b>A</b>            | <b>001</b> | <b>01</b> | <b>DH</b> |
| N = Non-Branded  | <b>BRANDING</b>      |          |                  |                     |            |           |           |
| A = Accessory  | <b>PRODUCT GROUP</b> |          |                  |                     |            |           |           |
| H = Heating  |                      |          | <b>KIT USAGE</b> |                     |            |           |           |
| A = Original   |                      |          |                  |                     |            |           |           |
| B = 2nd Generation                                       |                      |          |                  | <b>MAJOR SERIES</b> |            |           |           |
| Product Identifier Number                                |                      |          |                  |                     |            |           |           |
| Package Quantity   |                      |          |                  |                     |            |           |           |
| Type of Kit (Example: DH = Draft Hood - Chimney Adapter) |                      |          |                  |                     |            |           |           |

| ACCESSORIES MODEL NUMBER IDENTIFICATION GUIDE – PRIOR TO 2010 |                      |          |                  |                     |            |           |
|---|----------------------|----------|------------------|---------------------|------------|-----------|
| DIGIT POSITION  | 1                    | 2        | 3                | 4                   | 5, 6, 7    | 8, 9      |
|   | <b>N</b>             | <b>A</b> | <b>H</b>         | <b>A</b>            | <b>001</b> | <b>DH</b> |
| N = Non-Branded   | <b>BRANDING</b>      |          |                  |                     |            |           |
| A = Accessory   | <b>PRODUCT GROUP</b> |          |                  |                     |            |           |
| H = Heating   |                      |          | <b>KIT USAGE</b> |                     |            |           |
| A = Original  |                      |          |                  |                     |            |           |
| B = 2nd Generation  |                      |          |                  | <b>MAJOR SERIES</b> |            |           |
| Product Identifier Number                                     |                      |          |                  |                     |            |           |
| Type of Kit (Example: DH = Draft Hood - Chimney Adapter)      |                      |          |                  |                     |            |           |

## ACCESSORY PRODUCT IDENTIFIER ASSIGNMENT

AL = ALTERNATE INPUT KIT  
 BK = BLOWER KIT  
 CV = CONCENTRIC VENT KIT  
 DH = DRAFT HOOD  
 DK = DRAIN KIT  
 FB = WASHABLE FILTER BULK PACK  
 FF = FILTER FRAME  
 FK = FILTER KIT  
 FP = 10 PACK FILTER KIT  
 HL = HI ALTITUDE PROPANE KIT  
 LP = NATURAL TO PROPANE KIT  
 LV = LONG VENT KIT  
 NG = PROPANE TO NATURAL GAS KIT  
 NK = NEUTRALIZER KIT  
 VC = VENT GUARD  
 WK = TWINNING KIT  
 WL = WARNING LABEL REPLACEMENT KIT

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.



# Oil Furnace

| OIL FURNACE MODEL NUMBER IDENTIFICATION GUIDE   |          |                           |          |          |            |          |           |          |
|---|----------|---------------------------|----------|----------|------------|----------|-----------|----------|
| DIGIT POSITION  | 1        | 2                         | 3        | 4        | 5, 6, 7    | 8        | 9, 10     | 11       |
|   | <b>N</b> | <b>O</b>                  | <b>M</b> | <b>V</b> | <b>098</b> | <b>J</b> | <b>12</b> | <b>A</b> |
| N = Burner included<br>Blank = Burners and Accessories ordered separately   |          | <b>FUEL</b>               |          |          |            |          |           |          |
| O = Oil Furnace   |          |                           |          |          |            |          |           |          |
| C = Downflow/Horizontal<br>D = Downflow/Horizontal<br>H = Horizontal<br>L = Lo-Boy<br>M = Multiposition<br>T = Upflow/Horizontal<br>U = Upflow  |          | <b>FEATURE</b>            |          |          |            |          |           |          |
| F = Front Breech<br>R = Rear Breech<br>V = Variable Motor   |          |                           |          |          |            |          |           |          |
| 098 = 98,000 BTU/hr<br>105 = 105,000 BTU/hr<br>106 = 106,000 BTU/hr<br>112 = 112,000 BTU/hr<br>154 = 154,000 BTU/hr<br>155 = 155,000 BTU/hr<br>156 = 156,000 BTU/hr<br>160 = 160,000 BTU/hr<br>210 = 210,000 BTU/hr<br>350 = 350,000 BTU/hr |          | <b>FEATURE</b>            |          |          |            |          |           |          |
|   |          |                           |          |          |            |          |           |          |
| A = 20 x 20<br>B = 24 x 24<br>C = 21-1/8 x 21-1/2<br>D = 19 x 20<br>E = 19 x 24<br>F = 20 x 24<br>G = 22 x 30<br>J = 16 x 19<br>K = 17-1/2 x 19   |          | <b>FEATURE</b>            |          |          |            |          |           |          |
|   |          |                           |          |          |            |          |           |          |
| 08 = 800 CFM (max)<br>12 = 1200 CFM (max)<br>14 = 1400 CFM (max)<br>16 = 1600 CFM (max)<br>18 = 1800 CFM (max)<br>20 = 2000 CFM (max)   |          | <b>FEATURE</b>            |          |          |            |          |           |          |
|   |          |                           |          |          |            |          |           |          |
| SALES (MAJOR) REVISION DIGIT  |          | <b>INPUT HEAT</b>         |          |          |            |          |           |          |
|   |          | <b>SUPPLY PLENUM SIZE</b> |          |          |            |          |           |          |
|   |          | <b>COOLING AIRFLOW</b>    |          |          |            |          |           |          |

# Air Conditioners and Heat Pumps

| OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase) |   |                    |   |                           |      |   |   |   |    |                 |    |
|---|---|--------------------|---|---------------------------|------|---|---|---|----|-----------------|----|
| DIGIT POSITION  | 1 | 2                  | 3 | 4                         | 5, 6 | 7 | 8 | 9 | 10 | 11              | 12 |
|   | * | 4                  | A | 3                         | 18   | A | K | A | 1  | 0               | 0  |
| C, H, or T = Mainline   |   | <b>BRANDING</b>    |   |                           |      |   |   |   |    |                 |    |
| N = Entry   |   |                    |   |                           |      |   |   |   |    |                 |    |
| R = Entry   |   |                    |   |                           |      |   |   |   |    |                 |    |
| V = Variable  |   |                    |   |                           |      |   |   |   |    |                 |    |
| 4 = R-410A  |   |                    |   |                           |      |   |   |   |    |                 |    |
| C = Communicating   |   |                    |   |                           |      |   |   |   |    |                 |    |
| S = Single Stage Communicating                                |   |                    |   |                           |      |   |   |   |    |                 |    |
| X = R-410A  |   | <b>REFRIGERANT</b> |   |                           |      |   |   |   |    |                 |    |
| A = Air Conditioner   |   |                    |   |                           |      |   |   |   |    |                 |    |
| H = Heat Pump   |   |                    |   | <b>TYPE</b>               |      |   |   |   |    |                 |    |
| 3 = 13 SEER   |   |                    |   |                           |      |   |   |   |    |                 |    |
| 4 = 14 SEER   |   |                    |   |                           |      |   |   |   |    |                 |    |
| 5 = 15 SEER   |   |                    |   |                           |      |   |   |   |    |                 |    |
| 6 = 16 SEER   |   |                    |   |                           |      |   |   |   |    |                 |    |
| 7 = 17 SEER   |   |                    |   |                           |      |   |   |   |    |                 |    |
| 8 = 18 SEER   |   |                    |   |                           |      |   |   |   |    |                 |    |
| 9 = 19 SEER   |   |                    |   | <b>NOMINAL EFFICIENCY</b> |      |   |   |   |    |                 |    |
| 18 = 18,000 BTUH = 1½ tons                                    |   |                    |   |                           |      |   |   |   |    |                 |    |
| 19 = 18,000 BTUH = 1½ tons                                    |   |                    |   |                           |      |   |   |   |    |                 |    |
| 24 = 24,000 BTUH = 2 tons                                     |   |                    |   |                           |      |   |   |   |    |                 |    |
| 25 = 24,000 BTUH = 2 tons                                     |   |                    |   |                           |      |   |   |   |    |                 |    |
| 30 = 30,000 BTUH = 2½ tons                                    |   |                    |   |                           |      |   |   |   |    |                 |    |
| 31 = 30,000 BTUH = 2½ tons                                    |   |                    |   |                           |      |   |   |   |    |                 |    |
| 36 = 36,000 BTUH = 3 tons                                     |   |                    |   |                           |      |   |   |   |    |                 |    |
| 37 = 36,000 BTUH = 3 tons                                     |   |                    |   |                           |      |   |   |   |    |                 |    |
| 42 = 42,000 BTUH = 3½ tons                                    |   |                    |   |                           |      |   |   |   |    |                 |    |
| 43 = 42,000 BTUH = 3½ tons                                    |   |                    |   |                           |      |   |   |   |    |                 |    |
| 48 = 48,000 BTUH = 4 tons                                     |   |                    |   |                           |      |   |   |   |    |                 |    |
| 49 = 48,000 BTUH = 4 tons                                     |   |                    |   |                           |      |   |   |   |    |                 |    |
| 60 = 60,000 BTUH = 5 tons                                     |   |                    |   |                           |      |   |   |   |    |                 |    |
| 61 = 60,000 BTUH = 5 tons                                     |   |                    |   | <b>NOMINAL CAPACITY</b>   |      |   |   |   |    |                 |    |
| A = Standard Grille   |   |                    |   |                           |      |   |   |   |    |                 |    |
| G = Coil Guard Grille   |   |                    |   |                           |      |   |   |   |    |                 |    |
| C = Coastal   |   |                    |   |                           |      |   |   |   |    | <b>FEATURES</b> |    |
| K = 208/230-1-60  |   |                    |   |                           |      |   |   |   |    | <b>VOLTAGE</b>  |    |
| Sales Code  |   |                    |   |                           |      |   |   |   |    |                 |    |
| Engineering Revision  |   |                    |   |                           |      |   |   |   |    |                 |    |
| Extra Digit   |   |                    |   |                           |      |   |   |   |    |                 |    |
| Extra Digit   |   |                    |   |                           |      |   |   |   |    |                 |    |

# Ducted Horizontal Air Conditioner and Heat Pumps

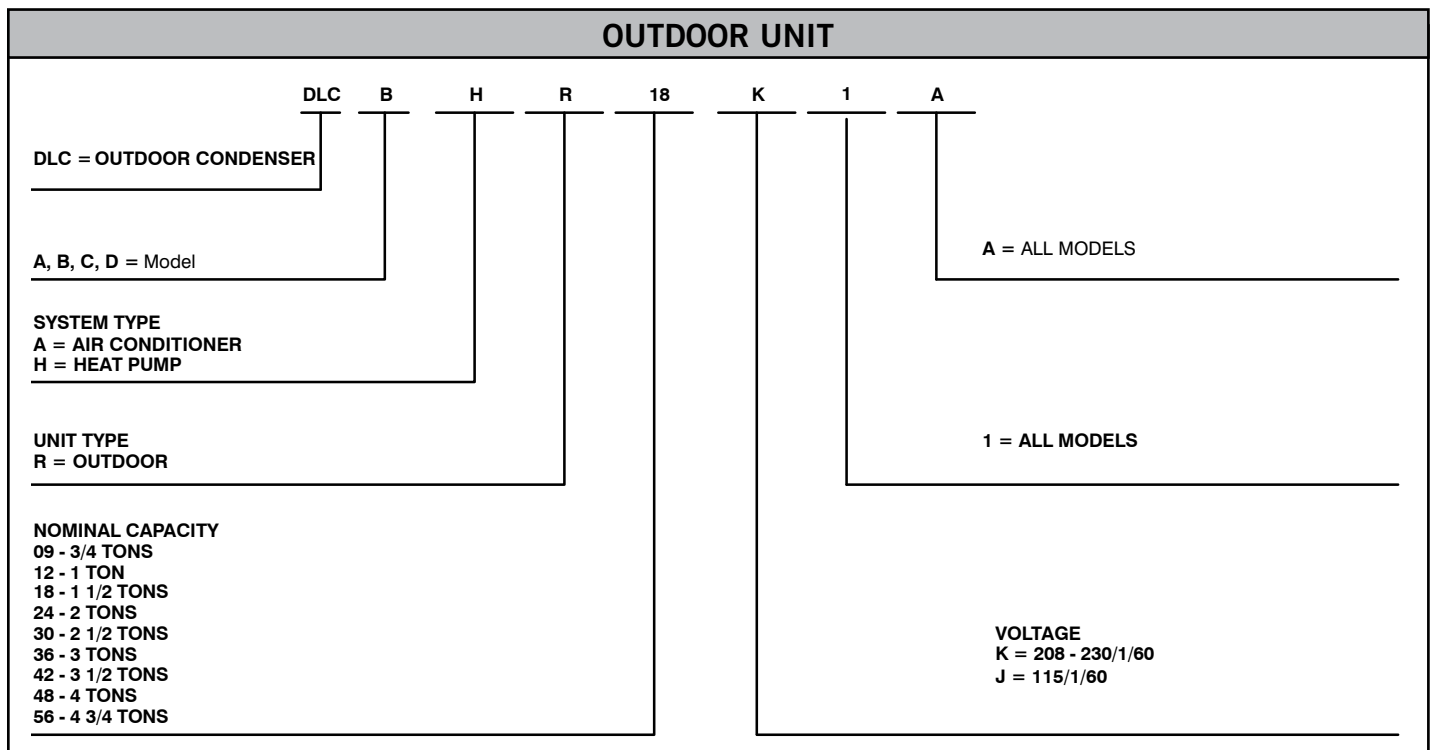
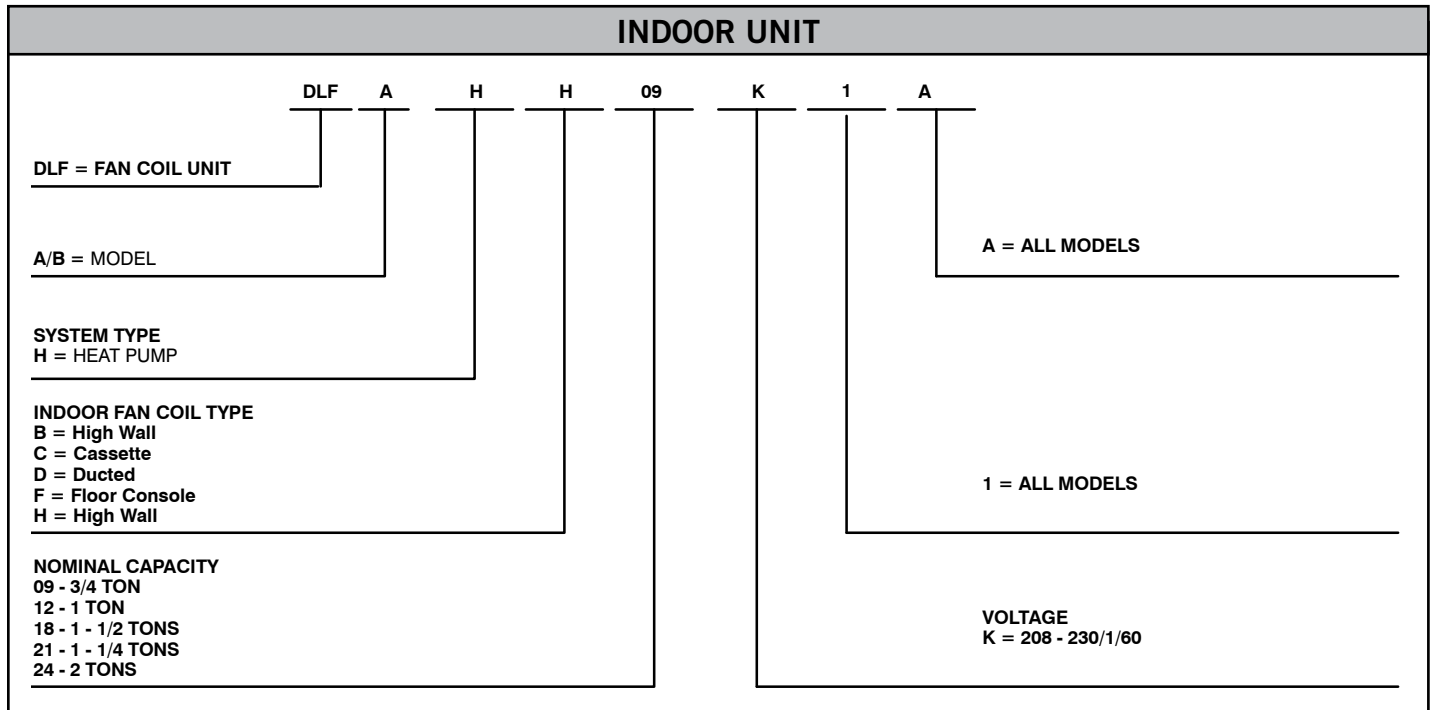
| OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE  |                    |          |                           |          |                         |          |                 |          |                |          |          |
|---|--------------------|----------|---------------------------|----------|-------------------------|----------|-----------------|----------|----------------|----------|----------|
| Digit Position:   | 1,2                | 3        | 4                         | 5        | 6,7                     | 8        | 9               | 10       | 11             | 12       | 13       |
| Example Part Number:  | <b>NH</b>          | <b>4</b> | <b>A</b>                  | <b>4</b> | <b>18</b>               | <b>A</b> | <b>K</b>        | <b>A</b> | <b>1</b>       | <b>0</b> | <b>0</b> |
| Horizontal Condenser  | <b>UNIT</b>        |          |                           |          |                         |          |                 |          |                |          |          |
| 4 = R-410A  | <b>REFRIGERANT</b> |          |                           |          |                         |          |                 |          |                |          |          |
| A = Air Conditioner<br>H = Heat Pump  |                    |          | <b>TYPE</b>               |          |                         |          |                 |          |                |          |          |
| 4 = 14 SEER   |                    |          | <b>NOMINAL EFFICIENCY</b> |          |                         |          |                 |          |                |          |          |
| 18 = 18,000 BTUH = 1-1/2 tons<br>24 = 24,000 BTUH = 2 tons<br>30 = 30,000 BTUH = 2-1/2 tons<br>36 = 36,000 BTUH = 3 tons<br>42 = 42,000 BTUH = 3-1/2 tons<br>48 = 48,000 BTUH = 4 tons<br>60 = 60,000 BTUH = 5 tons |                    |          |                           |          | <b>NOMINAL CAPACITY</b> |          |                 |          |                |          |          |
| A = Standard Grille   |                    |          |                           |          |                         |          | <b>FEATURES</b> |          |                |          |          |
| K = 208/230-1-60<br>H = 208/230-3-60<br>L = 460-3-60  |                    |          |                           |          |                         |          |                 |          | <b>VOLTAGE</b> |          |          |
| Sales Code  |                    |          |                           |          |                         |          |                 |          |                |          |          |
| Engineering Revision  |                    |          |                           |          |                         |          |                 |          |                |          |          |
| Extra Digit   |                    |          |                           |          |                         |          |                 |          |                |          |          |
| Extra Digit   |                    |          |                           |          |                         |          |                 |          |                |          |          |

## Air Conditioner and Heat Pumps Accessories

| ACCESSORIES PART NUMBER IDENTIFICATION GUIDE            |                      |          |                  |          |                     |           |                    |           |
|---|----------------------|----------|------------------|----------|---------------------|-----------|--------------------|-----------|
| DIGIT POSITION  | 1                    | 2        | 3                | 4        | 5                   | 6, 7      | 8, 9               | 10, 11    |
|   | <b>N</b>             | <b>A</b> | <b>S</b>         | <b>A</b> | <b>0</b>            | <b>01</b> | <b>01</b>          | <b>CH</b> |
| N = Non-Branded   | <b>BRANDING</b>      |          |                  |          |                     |           |                    |           |
| A = Accessory   | <b>PRODUCT GROUP</b> |          |                  |          |                     |           |                    |           |
| S = Split System (AC & HP)                              |                      |          | <b>KIT USAGE</b> |          |                     |           |                    |           |
| A = Original<br>B = 2nd Generation                      |                      |          |                  |          | <b>MAJOR SERIES</b> |           |                    |           |
| 0 = Generic or Not Applicable<br>2 = R-22<br>4 = R-410A |                      |          |                  |          |                     |           | <b>REFRIGERANT</b> |           |
| Product Identifier Number                               |                      |          |                  |          |                     |           |                    |           |
| Package Quantity  |                      |          |                  |          |                     |           |                    |           |
| Type of Kit (Example: CH = Crankcase Heater)            |                      |          |                  |          |                     |           |                    |           |

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.

# High Wall Mini-Splits, R-410A



# Fan Coils

| FVM, FXM, FEM, FSM, FCM series FAN COIL MODEL NUMBER IDENTIFICATION   |             |          |          |          |          |             |          |          |
|---|-------------|----------|----------|----------|----------|-------------|----------|----------|
| DIGIT POSITION  | 1           | 2        | 3        | 4        | 5        | 6,7,8,9     | 10       | 11       |
|   | <b>F</b>    | <b>V</b> | <b>M</b> | <b>4</b> | <b>X</b> | <b>1800</b> | <b>A</b> | <b>T</b> |
| F = Fan Coil  | <b>UNIT</b> |          |          |          |          |             |          |          |
| S = Standard PSC<br>E = High efficiency ECM<br>C = Communicating<br>X = ECM<br>V = Variable Speed   |             |          |          |          |          |             |          |          |
|   |             |          |          |          |          |             |          |          |
| U = Upflow<br>M = Multiposition   |             |          |          |          |          |             |          |          |
|   |             |          |          |          |          |             |          |          |
| 2 = R-22<br>4 = Environmentally Sound R-410A  |             |          |          |          |          |             |          |          |
|   |             |          |          |          |          |             |          |          |
| P = Piston Metering Device<br>X = TXV   |             |          |          |          |          |             |          |          |
|   |             |          |          |          |          |             |          |          |
| 1800 = 18,000 BTUH = 1½ tons<br>2400 = 24,000 BTUH = 2 tons<br>3000 = 30,000 BTUH = 2½ tons<br>3500 = 36,000 BTUH = 3 tons<br>3600 = 36,000 BTUH = 3 tons<br>4200 = 42,000 BTUH = 3½ tons<br>4800 = 48,000 BTUH = 4 tons<br>6000 = 60,000 BTUH = 5 tons |             |          |          |          |          |             |          |          |
|   |             |          |          |          |          |             |          |          |
| A = Copper Tube, Aluminum Fin Evaporator Coil<br>AL = Aluminum Tube, Aluminum Fin Evaporator Coil<br>AT = Tin Coated Copper Tubes, Aluminum Fin Evaporator Coil   |             |          |          |          |          |             |          |          |

**NOMINAL CAPACITY**

**SALES CODE / FEATURES**

# Fan Coils

| FMA4P & FMA4X series FAN COIL MODEL NUMBER IDENTIFICATION GUIDE |   |      |   |                   |   |                       |   |
|---|---|------|---|-------------------|---|-----------------------|---|
| FAN COIL MODEL NUMBER IDENTIFICATION GUIDE                      |   |      |   |                   |   |                       |   |
|   | F | M    | A | 4                 | P | 2400                  | A |
| F = Fan Coil  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| M = Multi-Family  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| A = Apartment Upflow  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 4 = Environmentally Sound R-410A                                |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| P = R-410A Piston   |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| X = R-410A TXV Standard   |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 1800 = 18,000 BTUH = 1-1/2 tons                                 |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 2400 = 24,000 BTUH = 2 tons                                     |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 3000 = 30,000 BTUH = 2-1/2 tons                                 |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 3600 = 36,000 BTUH = 3 tons                                     |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| A = Standard  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
|   |   |      |   |                   |   | NOMINAL CAPACITY      |   |
|   |   |      |   |                   |   | SALES CODE / FEATURES |   |

| FMU4P, FMU4X, FMC4P, FMC4X series FAN COIL MODEL NUMBER IDENTIFICATION GUIDE |   |      |   |                   |   |                       |   |
|--|---|------|---|-------------------|---|-----------------------|---|
|  | F | M    | U | 4                 | P | 2400                  | A |
| F = Fan Coil   |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| M = Multi-Family   |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| U = Uncased  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| C = Cased  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 4 = Environmentally Sound R-410A   |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| P = R-410A piston  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 1800 = 18,000 BTUH = 1-1/2 tons  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 2400 = 24,000 BTUH = 2 tons  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 3000 = 30,000 BTUH = 2-1/2 tons  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| 3600 = 36,000 BTUH = 3 tons  |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
| A = Standard   |   | TYPE |   | INSTALLATION TYPE |   | REFRIGERANT           |   |
|  |   |      |   |                   |   | NOMINAL CAPACITY      |   |
|  |   |      |   |                   |   | SALES CODE / FEATURES |   |

# Fan Coils – Accessories

| FVM, FXM, FEM, FSM, EBV series                      |     |      |     |                |    |
|---|-----|------|-----|----------------|----|
| FAN COIL ACCESSORY PART NUMBER IDENTIFICATION GUIDE |     |      |     |                |    |
| DIGIT POSITION                                      | 1,2 | 3,4  | 5,6 | 7,8,9          | 10 |
|   | EB  | AC   | 01  | NCB            | A  |
| EB = Evaporator Blower                              |     | UNIT |     | ACCESSORY TYPE |    |
| AC = Accessory                                      |     | UNIT |     | ACCESSORY TYPE |    |
| Product Identifier Number                           |     | UNIT |     | ACCESSORY TYPE |    |
| NCB = Non-Combustible Base Kit                      |     | UNIT |     | ACCESSORY TYPE |    |
| DFS = Down Flow Kit - Slope Coil                    |     | UNIT |     | ACCESSORY TYPE |    |
| DFA = Down Flow Kit - A Coil                        |     | UNIT |     | ACCESSORY TYPE |    |
| PLG = Power Plug (no heat kit)                      |     | UNIT |     | ACCESSORY TYPE |    |
| SPK = Single Point Wiring Kit                       |     | UNIT |     | ACCESSORY TYPE |    |
| FKS = Filter Kit Small                              |     | UNIT |     | ACCESSORY TYPE |    |
| FKM = Filter Kit Medium                             |     | UNIT |     | ACCESSORY TYPE |    |
| FKL = Filter Kit Large                              |     | UNIT |     | ACCESSORY TYPE |    |
| FKX = Filter Kit Extra Large                        |     | UNIT |     | ACCESSORY TYPE |    |
| CTK = Condensate Trap Kit (PVC pipe)                |     | UNIT |     | ACCESSORY TYPE |    |
| Sales Code  |     | UNIT |     | ACCESSORY TYPE |    |

# Fan Coil – Electric Heaters

| FVM, FXM, FEM, FSM, EBV series<br>FAN COIL ELECTRIC HEATER PART NUMBER IDENTIFICATION GUIDE                             |            |           |          |          |          |          |
|---|------------|-----------|----------|----------|----------|----------|
| DIGIT POSITION  | 1,2,3      | 4,5       | 6        | 7        | 8        | 9        |
| EHK = Electric Heater Kit   | <b>EHK</b> | <b>05</b> | <b>A</b> | <b>K</b> | <b>N</b> | <b>1</b> |
| 05 = 5 kW<br>07 = 7 kW<br>09 = 9 kW<br>10 = 10 kW<br>15 = 15 kW<br>18 = 18 kW<br>20 = 20 kW<br>25 = 25 kW<br>30 = 30 kW |            |           |          |          |          |          |
| <b>NOMINAL HEAT VALUE</b>   |            |           |          |          |          |          |
| Sales Code  |            |           |          |          |          |          |
| K = 208 / 230 single-phase  |            |           |          |          |          |          |
| H = 208 / 230, 3-phase  |            |           |          |          |          |          |
| KC = 208 / 230, supplied as single phase, field convertible to 3-phase  |            |           |          |          |          |          |
| HC = 208 / 230 supplied as 3-phase, field convertible to single phase   |            |           |          |          |          |          |
| <b>VOLTAGE (60 Hz)</b>  |            |           |          |          |          |          |
| Product Identifier  |            |           |          |          |          |          |
| Engineering Revision  |            |           |          |          |          |          |

| FMA4P, FMA4X series FAN COIL ELECTRIC HEATER PART NUMBER IDENTIFICATION GUIDE |            |          |           |          |
|---|------------|----------|-----------|----------|
| DIGIT POSITION  | 1,2,3      | 4        | 5,6       | 7        |
| EHK = Electric Heat Kit   | <b>EHK</b> | <b>2</b> | <b>05</b> | <b>B</b> |
| Sales Code  |            |          |           |          |
| 05 = 5 kW   |            |          |           |          |
| 08 = 7.5 kW   |            |          |           |          |
| 10 = 11 kW  |            |          |           |          |
| <b>NOMINAL HEAT VALUE</b>   |            |          |           |          |
| Engineering Code  |            |          |           |          |

| FMU4P, FMU4X, FMC4P, FMC4X series<br>FAN COIL ELECTRIC HEATER MODEL NUMBER IDENTIFICATION GUIDE |            |          |           |          |
|---|------------|----------|-----------|----------|
| DIGIT POSITION  | 1,2,3      | 4        | 5,6       | 7        |
| EHK = Electric Heater Kit   | <b>EHK</b> | <b>3</b> | <b>05</b> | <b>B</b> |
| Sales Code  |            |          |           |          |
| 05 = 5 kW   |            |          |           |          |
| 08 = 7.5 kW   |            |          |           |          |
| 10 = 10 kW  |            |          |           |          |
| <b>NOMINAL HEAT VALUE</b>   |            |          |           |          |
| Engineering Code  |            |          |           |          |

REFER TO PRODUCT SPECIFICATIONS FOR COMPLETE ACCESSORY INFORMATION.

# Furnace Coils (Numerical Widths)

| COIL MODEL NUMBER IDENTIFICATION GUIDE   |                         |          |          |          |          |           |          |           |          |          |
|--|-------------------------|----------|----------|----------|----------|-----------|----------|-----------|----------|----------|
| DIGIT POSITION   | 1                       | 2        | 3        | 4        | 5        | 6,7       | 8        | 9,10      | 11       | 12       |
|  | <b>E</b>                | <b>N</b> | <b>D</b> | <b>4</b> | <b>X</b> | <b>18</b> | <b>L</b> | <b>14</b> | <b>A</b> | <b>1</b> |
| E = Evaporator   | <b>UNIT</b>             |          |          |          |          |           |          |           |          |          |
| A = A Coil<br>N = N Coil   | <b>TYPE</b>             |          |          |          |          |           |          |           |          |          |
| A = Uncased<br>D = Cased Upflow/Downflow<br>M = Cased Multiposition (Upflow/Downflow/Horizontal)<br>W = Cased Upflow/Downflow for narrower furnaces<br>H = Cased Horizontal  | <b>INSTALLATION</b>     |          |          |          |          |           |          |           |          |          |
| 4 = Environmentally Sound R-410A   | <b>REFRIGERANT</b>      |          |          |          |          |           |          |           |          |          |
| P = Piston<br>X = TXV  | <b>METERING DEVICE</b>  |          |          |          |          |           |          |           |          |          |
| 18 = 18,000 BTUH = 1½ tons<br>19 = 18,000 BTUH = 1½ tons<br>24 = 24,000 BTUH = 2 tons<br>30 = 30,000 BTUH = 2½ tons<br>31 = 30,000 BTUH = 2½ tons<br>36 = 36,000 BTUH = 3 tons<br>37 = 36,000 BTUH = 3 tons<br>42 = 42,000 BTUH = 3½ tons<br>43 = 42,000 BTUH = 3½ tons<br>48 = 48,000 BTUH = 4 tons<br>60 = 60,000 BTUH = 5 tons<br>61 = 60,000 BTUH = 5 tons | <b>NOMINAL CAPACITY</b> |          |          |          |          |           |          |           |          |          |
| C = Copper Tube, Aluminum Fin Evaporator Coil<br>L = Aluminum Tube, Aluminum Fin Evaporator Coil<br>T = Tin Coated Copper Tubes, Aluminum Fin Evaporator Coil  | <b>HAIRPIN MATERIAL</b> |          |          |          |          |           |          |           |          |          |
| 14 = 14-3/16"<br>17 = 17-1/2"<br>21 = 21"<br>24 = 24-1/2"  | <b>WIDTH</b>            |          |          |          |          |           |          |           |          |          |
| Sales Digit (Major Revision)   |                         |          |          |          |          |           |          |           |          |          |
| Engineering Digit (Minor Revision)   |                         |          |          |          |          |           |          |           |          |          |



# Furnace Coils (B, F, J, L Widths)

| COIL MODEL NUMBER IDENTIFICATION GUIDE                     |             |             |                    |                    |                        |                         |              |          |                              |
|--|-------------|-------------|--------------------|--------------------|------------------------|-------------------------|--------------|----------|------------------------------|
| DIGIT POSITION   | 1           | 2           | 3                  | 4                  | 5                      | 6,7                     | 8            | 9        | 10                           |
|  | <b>E</b>    | <b>D</b>    | <b>M</b>           | <b>2</b>           | <b>X</b>               | <b>18</b>               | <b>B</b>     | <b>A</b> | <b>1</b>                     |
| E = Evaporator   | <b>UNIT</b> |             |                    |                    |                        |                         |              |          |                              |
| D = Deluxe   |             |             |                    |                    |                        |                         |              |          |                              |
| B = Builder (Value Line)                                   |             | <b>TYPE</b> |                    |                    |                        |                         |              |          |                              |
| M = Cased, Multiposition                                   |             |             |                    |                    |                        |                         |              |          |                              |
| D = Cased Upflow / Downflow                                |             |             |                    |                    |                        |                         |              |          |                              |
| U = Cased Upflow Only                                      |             |             |                    |                    |                        |                         |              |          |                              |
| A = Uncased  |             |             | <b>APPLICATION</b> |                    |                        |                         |              |          |                              |
| 2 = R-22   |             |             |                    |                    |                        |                         |              |          |                              |
| 4 = Environmentally Sound R-410A                           |             |             |                    | <b>REFRIGERANT</b> |                        |                         |              |          |                              |
| X = TXV  |             |             |                    |                    | <b>METERING DEVICE</b> |                         |              |          |                              |
| 18 = 18,000 BTUH = 1½ tons                                 |             |             |                    |                    |                        |                         |              |          |                              |
| 24 = 24,000 BTUH = 2 tons                                  |             |             |                    |                    |                        |                         |              |          |                              |
| 30 = 30,000 BTUH = 2½ tons                                 |             |             |                    |                    |                        |                         |              |          |                              |
| 36 = 36,000 BTUH = 3 tons                                  |             |             |                    |                    |                        |                         |              |          |                              |
| 42 = 42,000 BTUH = 3½ tons                                 |             |             |                    |                    |                        |                         |              |          |                              |
| 48 = 48,000 BTUH = 4 tons                                  |             |             |                    |                    |                        |                         |              |          |                              |
| 60 = 60,000 BTUH = 5 tons                                  |             |             |                    |                    |                        | <b>NOMINAL CAPACITY</b> |              |          |                              |
| B = 15.5"  |             |             |                    |                    |                        |                         |              |          |                              |
| F = 19.1"  |             |             |                    |                    |                        |                         |              |          |                              |
| J = 22.8"  |             |             |                    |                    |                        |                         |              |          |                              |
| L = 24.5"  |             |             |                    |                    |                        |                         | <b>WIDTH</b> |          |                              |
| A = Copper Tube, Aluminum Fin Evaporator Coil              |             |             |                    |                    |                        |                         |              |          |                              |
| AL = Aluminum Tube, Aluminum Fin Evaporator Coil           |             |             |                    |                    |                        |                         |              |          |                              |
| AT = Tin Coated Copper Tubes, Aluminum Fin Evaporator Coil |             |             |                    |                    |                        |                         |              |          | <b>SALES CODE / FEATURES</b> |
| Engineering Revision                                       |             |             |                    |                    |                        |                         |              |          |                              |

# Modular Blowers and Electric Furnace

| MODULAR BLOWERS and ELECTRIC FURNACE<br>MODEL NUMBER IDENTIFICATION GUIDE                                     |             |          |  |           |                         |          |          |
|---|-------------|----------|--|-----------|-------------------------|----------|----------|
| DIGIT POSITION  | 1           | 2        | 3,4                                    | 5,6       | 7,8                     | 9        | 10       |
| M = Cased Modular Blower  | <b>M</b>    | <b>V</b> | <b>08</b>                              | <b>00</b> | <b>14</b>               | <b>C</b> | <b>1</b> |
| V = Variable Speed ECM Motor 208/230-1-60<br>F = Electric Furnace 208/230-1-60<br>B = Blower Cabinet 115-1-60 | <b>UNIT</b> |          |  |           |                         |          |          |
| 08 = 800 (2 ton)<br>12 = 1200 (3 ton)<br>16 = 1600 (4 ton)<br>20 = 2000 (5 ton)                               |             |          | <b>NOMINAL CFM</b>                     |           |                         |          |          |
| 00 = No Electric Heat   |             |          | <b>FACTORY INSTALLED ELECTRIC HEAT</b> |           |                         |          |          |
| 14 = 14-1/2"<br>17 = 17-1/2"<br>21 = 21"<br>24 = 24-1/2"  |             |          |  |           | <b>COIL WIDTH MATCH</b> |          |          |
| Sales Code  |             |          |  |           |                         |          |          |
| Engineering Revision  |             |          |  |           |                         |          |          |

| MODULAR BLOWERS and ELECTRIC FURNACE<br>ACCESSORY PART NUMBER IDENTIFICATION GUIDE  |                     |          |          |            |                       |          |          |
|---|---------------------|----------|----------|------------|-----------------------|----------|----------|
| DIGIT POSITION  | 1                   | 2        | 3        | 4,5,6      | 7,8                   | 9        | 10       |
| A = Accessory   | <b>A</b>            | <b>M</b> | <b>F</b> | <b>001</b> | <b>DF</b>             | <b>A</b> | <b>1</b> |
| C = Cooling<br>H = Heating<br>M = Multi-use (heating and cooling)<br>X = Special  | <b>PRODUCT TYPE</b> |          |          |            |                       |          |          |
| Series  |                     |          |          |            |                       |          |          |
| Product Identifier Number   |                     |          |          |            |                       |          |          |
| DF = Downflow Kit                      NH= No Heat Kit<br>OT = 2-stage Outdoor Thermostat<br>SP = Single Point Wiring Kit |                     |          |          |            | <b>ACCESSORY TYPE</b> |          |          |
| Sales Code  |                     |          |          |            |                       |          |          |
| Engineering Revision  |                     |          |          |            |                       |          |          |

# Small Package Units

| MODEL NUMBER IDENTIFICATION GUIDE                                     |             |             |             |          |                                      |            |                |                                  |          |                     |
|---|-------------|-------------|-------------|----------|--------------------------------------|------------|----------------|----------------------------------|----------|---------------------|
| DIGIT POSITION  | 1           | 2           | 3           | 4        | 5,6                                  | 7,8,9      | 10             | 11,12                            | 13       | 14                  |
|   | <b>P</b>    | <b>G</b>    | <b>S</b>    | <b>4</b> | <b>36</b>                            | <b>060</b> | <b>K</b>       | <b>GP</b>                        | <b>0</b> | <b>D</b>            |
| P = Package   | <b>UNIT</b> |             |             |          |                                      |            |                |                                  |          |                     |
| A = Air Conditioner   |             |             |             |          |                                      |            |                |                                  |          |                     |
| H = Heat Pump   |             |             |             |          |                                      |            |                |                                  |          |                     |
| D = Dual Fuel   |             |             |             |          |                                      |            |                |                                  |          |                     |
| G = Gas/Electric  |             | <b>TYPE</b> |             |          |                                      |            |                |                                  |          |                     |
| D = Standard  |             |             |             |          |                                      |            |                |                                  |          |                     |
| J = Dedicated Horizontal (AC or HP only)                              |             |             |             |          |                                      |            |                |                                  |          |                     |
| S = Mainline with SS HX   |             |             | <b>TIER</b> |          |                                      |            |                |                                  |          |                     |
| 4 = 14  |             |             |             |          |                                      |            |                |                                  |          |                     |
| 5 = 15  |             |             |             |          | <b>SEER</b>                          |            |                |                                  |          |                     |
| 24 = 24,000 BTUH = 2 Tons   |             |             |             |          |                                      |            |                |                                  |          |                     |
| 30 = 30,000 BTUH = 2.5 Tons   |             |             |             |          |                                      |            |                |                                  |          |                     |
| 36 = 36,000 BTUH = 3 Tons   |             |             |             |          |                                      |            |                |                                  |          |                     |
| 42 = 42,000 BTUH = 3.5 Tons   |             |             |             |          |                                      |            |                |                                  |          |                     |
| 48 = 48,000 BTUH = 4 Tons   |             |             |             |          |                                      |            |                |                                  |          |                     |
| 60 = 60,000 BTUH = 5 Tons   |             |             |             |          | <b>NOMINAL COOLING BTUH</b>          |            |                |                                  |          |                     |
| 000 = N/A   |             |             |             |          |                                      |            |                |                                  |          |                     |
| 040 = 40,000  |             |             |             |          |                                      |            |                |                                  |          |                     |
| 060 = 60,000  |             |             |             |          |                                      |            |                |                                  |          |                     |
| 090 = 90,000  |             |             |             |          |                                      |            |                |                                  |          |                     |
| 115 = 115,000   |             |             |             |          |                                      |            |                |                                  |          |                     |
| 120 = 120,000   |             |             |             |          |                                      |            |                |                                  |          |                     |
| 130 = 130,000   |             |             |             |          | <b>NOMINAL HEATING BTUH (input)*</b> |            |                |                                  |          |                     |
| K = 208/230-1-60  |             |             |             |          |                                      |            | <b>VOLTAGE</b> |                                  |          |                     |
| 00 = No Options   |             |             |             |          |                                      |            |                |                                  |          |                     |
| TP = Tin Plated Evap Main Tubes                                       |             |             |             |          |                                      |            |                |                                  |          |                     |
| GP = Tin Plated Evap Main Tubes plus Stainless Steel Heat Exchanger * |             |             |             |          |                                      |            |                | <b>FACTORY INSTALLED OPTIONS</b> |          |                     |
| 0 = Standard  |             |             |             |          |                                      |            |                |                                  |          |                     |
| 1 = Low NOx *   |             |             |             |          |                                      |            |                |                                  |          | <b>FEATURE CODE</b> |
| Sales Model Digit   |             |             |             |          |                                      |            |                |                                  |          |                     |

\* Gas/electric or Dual Fuel models only

# Small Package Units

| MODEL NOMENCLATURE   |          |          |           |           |            |          |           |          |          |          |
|--|----------|----------|-----------|-----------|------------|----------|-----------|----------|----------|----------|
|  | 1        | 2        | 3,4       | 5,6       | 7,8,9      | 10       | 11,12     | 13       | 14       | 15       |
| <b>MODEL SERIES</b>  | <b>P</b> | <b>G</b> | <b>R5</b> | <b>36</b> | <b>090</b> | <b>K</b> | <b>00</b> | <b>0</b> | <b>C</b> | <b>1</b> |
| P = Package<br>A = Air Conditioner<br>H = Heat Pump<br>G = Gas/Electric<br>D = Dual Fuel<br>TYPE   |          |          |           |           |            |          |           |          |          |          |
| R5 = Mainline<br>TIER  |          |          |           |           |            |          |           |          |          |          |
| 24 = 24,000 BTUH = 2 Tons<br>36 = 36,000 BTUH = 3 Tons<br>48 = 48,000 BTUH = 4 Tons<br>60 = 60,000 BTUH = 5 Tons<br>NOMINAL CLG CAPACITY                               |          |          |           |           |            |          |           |          |          |          |
| 000 = no factory heat<br>040 = 40,000 BTU/hr<br>060 = 60,000 BTU/hr<br>090 = 90,000 BTU/hr<br>115 = 115,000 BTU/hr<br>130 = 130,000 BTU/hr<br>NOMINAL HTG BTUH (input) |          |          |           |           |            |          |           |          |          |          |
| K = 208/230-1-60<br>H = 208/230-3-60<br>VOLTAGE  |          |          |           |           |            |          |           |          |          |          |
| GP = Tin Coated Copper Evap Main Tubes plus Stainless Steel Heat Exchanger<br>GS = Stainless Steel Heat Exchanger<br>FACTORY INSTALLED OPTIONS                         |          |          |           |           |            |          |           |          |          |          |
| 0 = Standard<br>1 = Low NOx<br>FEATURE CODE  |          |          |           |           |            |          |           |          |          |          |
| Sales Model Digit  |          |          |           |           |            |          |           |          |          |          |
| Engineering Digit  |          |          |           |           |            |          |           |          |          |          |

| MODEL NOMENCLATURE  |          |          |           |           |            |          |           |          |          |          |
|---|----------|----------|-----------|-----------|------------|----------|-----------|----------|----------|----------|
|   | 1        | 2        | 3,4       | 5,6       | 7,8,9      | 10       | 11,12     | 13       | 14       | 15       |
| <b>MODEL SERIES</b>   | <b>P</b> | <b>A</b> | <b>R5</b> | <b>36</b> | <b>000</b> | <b>K</b> | <b>00</b> | <b>0</b> | <b>C</b> | <b>1</b> |
| P = Package<br>A = Air Conditioner<br>H = Heat Pump<br>R5 = Mainline<br>TIER  |          |          |           |           |            |          |           |          |          |          |
| 24 = 24,000 BTUH = 2 Tons<br>36 = 36,000 BTUH = 3 Tons<br>42 = 42,000 BTUH = 3 1/2 Tons<br>48 = 48,000 BTUH = 4 Tons<br>60 = 60,000 BTUH = 5 Tons<br>NOMINAL CLG CAPACITY |          |          |           |           |            |          |           |          |          |          |
| 000 = no factory heat<br>NOMINAL HTG BTUH (input)   |          |          |           |           |            |          |           |          |          |          |
| K = 208/230-1-60<br>H = 208/230-3-60<br>VOLTAGE   |          |          |           |           |            |          |           |          |          |          |
| 00 = No options<br>TP – Tin Plated Evaporator Main Tubes<br>FACTORY INSTALLED OPTIONS   |          |          |           |           |            |          |           |          |          |          |
| 0 = Standard<br>FEATURE CODE  |          |          |           |           |            |          |           |          |          |          |
| Sales Model Digit   |          |          |           |           |            |          |           |          |          |          |
| Engineering Digit   |          |          |           |           |            |          |           |          |          |          |

# Geothermal Heat Pump

| UNIT MODEL NUMBER IDENTIFICATION GUIDE  |           |            |          |          |          |          |          |          |          |          |           |          |
|---|-----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Digit Position:   | 1,2       | 3,4,5      | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14,15     | 16       |
| Example Part Number:  | <b>HB</b> | <b>024</b> | <b>V</b> | <b>T</b> | <b>L</b> | <b>C</b> | <b>D</b> | <b>C</b> | <b>C</b> | <b>1</b> | <b>XX</b> | <b>1</b> |
| HB = Geothermal Package<br><b>MODEL</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
| 018 = 18,000 BTUH = 1.5 tons<br>024 = 24,000 BTUH = 2 tons<br>030 = 30,000 BTUH = 2.5 tons<br>036 = 36,000 BTUH = 3 tons<br>042 = 42,000 BTUH = 3.5 tons<br>048 = 48,000 BTUH = 4 tons<br>060 = 60,000 BTUH = 5 tons<br><b>NOMINAL CAPACITY</b> |           |            |          |          |          |          |          |          |          |          |           |          |
| V = Vertical<br>H = Horizontal<br><b>CABINET CONFIGURATION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| T = Top (vertical)<br>E = End (Horizontal)<br>S = Side (horizontal)<br><b>DISCHARGE AIR CONFIGURATION</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
| L = Left<br>R = Right<br><b>RETURN AIR CONFIGURATION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| C = Copper (source)<br>N = Cupronickel (source)<br><b>COAX OPTIONS</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| D = with Desuperheater<br>X = without Desuperheater<br><b>HOT WATER OPTION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| C = Constant Torque X-13<br><b>FAN/MOTOR OPTIONS</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| C = Coated fins, Tin Plated Hair Pins<br><b>AIR COIL COATING</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| 1 = 208-230/60/1<br><b>VOLTAGE</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| XX<br><b>FUTURE USE</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
| 1<br><b>ENGINEERING DIGIT</b>   |           |            |          |          |          |          |          |          |          |          |           |          |

# Geothermal Heat Pump

| <b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
|--|-----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Digit Position:  | 1,2       | 3,4,5      | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14,15     | 16       |
| Example Part Number:   | <b>HP</b> | <b>024</b> | <b>V</b> | <b>T</b> | <b>L</b> | <b>C</b> | <b>D</b> | <b>E</b> | <b>T</b> | <b>1</b> | <b>XX</b> | <b>1</b> |
| HP = Geothermal Package<br><b>MODEL</b><br><br>024 = 24,000 BTUH = 2 tons<br>036 = 36,000 BTUH = 3 tons<br>048 = 48,000 BTUH = 4 tons<br>060 = 60,000 BTUH = 5 tons<br>072 = 72,000 BTUH = 6.5 tons<br><p style="text-align: right;"><b>NOMINAL CAPACITY</b></p> |           |            |          |          |          |          |          |          |          |          |           |          |
| V = Vertical<br>H = Horizontal<br>C = Counterflow<br><p style="text-align: right;"><b>CABINET CONFIGURATION</b></p>  |           |            |          |          |          |          |          |          |          |          |           |          |
| T = Top (vertical)<br>B = Bottom (vertical)<br>E = End (Horizontal)<br>S = Side (horizontal)<br><p style="text-align: right;"><b>DISCHARGE AIR CONFIGURATION</b></p>   |           |            |          |          |          |          |          |          |          |          |           |          |
| L = Left<br>R = Right<br><p style="text-align: right;"><b>RETURN AIR CONFIGURATION</b></p>   |           |            |          |          |          |          |          |          |          |          |           |          |
| C = Copper (source)<br>N = Cupronickel (source)<br><p style="text-align: right;"><b>COAX OPTIONS</b></p>   |           |            |          |          |          |          |          |          |          |          |           |          |
| D = with Desuperheater<br>X = without Desuperheater<br><p style="text-align: right;"><b>HOT WATER OPTION</b></p>   |           |            |          |          |          |          |          |          |          |          |           |          |
| E = ECM<br><p style="text-align: right;"><b>FAN/MOTOR OPTIONS</b></p>  |           |            |          |          |          |          |          |          |          |          |           |          |
| T = Tin Plated Hair Pins<br><p style="text-align: right;"><b>AIR COIL COATING</b></p>  |           |            |          |          |          |          |          |          |          |          |           |          |
| 1 = 208-230/60/1<br><p style="text-align: right;"><b>VOLTAGE</b></p>   |           |            |          |          |          |          |          |          |          |          |           |          |
| XX<br><p style="text-align: right;"><b>FUTURE USE</b></p>  |           |            |          |          |          |          |          |          |          |          |           |          |
| 1<br><p style="text-align: right;"><b>ENGINEERING DIGIT</b></p>  |           |            |          |          |          |          |          |          |          |          |           |          |

# Geothermal Split Heat Pump

| UNIT MODEL NUMBER IDENTIFICATION GUIDE  |           |            |          |          |          |          |          |          |          |          |           |          |
|---|-----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Digit Position:   | 1,2       | 3,4,5      | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14,15     | 16       |
| Example Part Number:  | <b>HS</b> | <b>024</b> | <b>S</b> | <b>X</b> | <b>X</b> | <b>C</b> | <b>D</b> | <b>X</b> | <b>X</b> | <b>1</b> | <b>XX</b> | <b>1</b> |
| HS = Geothermal Split<br><b>MODEL</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
| 024 = 24,000 BTUH = 2 tons<br>036 = 36,000 BTUH = 3 tons<br>048 = 48,000 BTUH = 4 tons<br>060 = 60,000 BTUH = 5 tons<br><b>NOMINAL CAPACITY</b> |           |            |          |          |          |          |          |          |          |          |           |          |
| S = Split System<br><b>CABINET CONFIGURATION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| X = None (split or water-to-water)<br><b>DISCHARGE AIR CONFIGURATION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| X = None (split or water-to-water)<br><b>RETURN AIR CONFIGURATION</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
| C = Copper (source)<br>N = Cupronickel (source)<br><b>COAX OPTIONS</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| D = with Desuperheater<br>X = without Desuperheater<br><b>HOT WATER OPTION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| X = None<br><b>FAN/MOTOR OPTIONS</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| X = No air coil<br><b>AIR COIL COATING</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| 1 = 208-230/60/1<br><b>VOLTAGE</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| XX<br><b>FUTURE USE</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
| 1<br><b>ENGINEERING DIGIT</b>   |           |            |          |          |          |          |          |          |          |          |           |          |

# Water-to-Water Geothermal Heat Pump

| UNIT MODEL NUMBER IDENTIFICATION GUIDE  |           |            |          |          |          |          |          |          |          |          |           |          |
|---|-----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
| Digit Position:   | 1,2       | 3,4,5      | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14,15     | 16       |
| Example Part Number:  | <b>HW</b> | <b>024</b> | <b>W</b> | <b>X</b> | <b>X</b> | <b>D</b> | <b>D</b> | <b>X</b> | <b>X</b> | <b>1</b> | <b>XX</b> | <b>1</b> |
| HW = Geothermal Water to Water<br><b>MODEL</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| 024 = 24,000 BTUH = 2 tons<br>036 = 36,000 BTUH = 3 tons<br>048 = 48,000 BTUH = 4 tons<br>060 = 60,000 BTUH = 5 tons<br>072 = 72,000 BTUH = 6 tons<br><b>NOMINAL CAPACITY</b> |           |            |          |          |          |          |          |          |          |          |           |          |
| W = Water-to-Water<br><b>CABINET CONFIGURATION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| X = None (split or water-to-water)<br><b>DISCHARGE AIR CONFIGURATION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| X = None (split or water-to-water)<br><b>RETURN AIR CONFIGURATION</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
| D = Copper (source & load)<br>E = Cupronickel (source & load)<br>F = Copper (source), Cupronickel (load)<br>G = Cupronickel (source), Copper (load)<br><b>COAX OPTIONS</b>    |           |            |          |          |          |          |          |          |          |          |           |          |
| D = with Desuperheater<br>X = without Desuperheater<br><b>HOT WATER OPTION</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| X = None<br><b>FAN/MOTOR OPTIONS</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| X = No air coil<br><b>AIR COIL COATING</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| 1 = 208-230/60/1<br><b>VOLTAGE</b>  |           |            |          |          |          |          |          |          |          |          |           |          |
| XX<br><b>FUTURE USE</b>   |           |            |          |          |          |          |          |          |          |          |           |          |
| 1<br><b>ENGINEERING DIGIT</b>   |           |            |          |          |          |          |          |          |          |          |           |          |



# Residential Air Conditioners



# HVA9

## High-Efficiency up to 19.0 SEER Variable-Speed Air Conditioner with Observer® Communicating Control System

2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



Recommended  
(Sold separately)



### Refrigeration Circuit

- Variable-speed compressor operates at five stages with capacity range as wide as 25 - 100%
- High-pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil

### Performance

- Up to 13.0 EER
- Integrated inverter control enables five-stage operation with complete Observer Communicating System
- Observer Wall Control with version 5.0 or newer software required for five-stage operation
- Also capable of two-stage operation with two-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- Outdoor temperature sensor factory installed
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Only two control wires required from communicating indoor unit to condenser
- External high- and low-refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min and max staging with Observer Communicating Wall Control

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



Qualifying models only.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| HVA924GKA    | 2           | 24,000         | 13.5                  | 20                   | 31-13/16 x 23-1/8 x 23-1/8<br>(807 x 587 x 587)   | 150 /128 (68/58)               |
| HVA925GKA†   | 2           | 24,000         | 23.6                  | 40                   | 38-1/2 x 23-1/8 x 23-1/8<br>(980 x 587 x 587)     | 177/152 (80/69)                |
| HVA936GKA    | 3           | 36,000         | 24.2                  | 40                   | 38-1/2 x 23-1/8 x 23-1/8<br>(980 x 587 x 587)     | 177/152 (80/69)                |
| HVA937GKA†   | 3           | 36,000         | 26.0                  | 40                   | 38-15/16 x 31-3/16 x 31-3/16<br>(989 x 242 x 242) | 242/205 (110/93)               |
| HVA948GKA    | 4           | 48,000         | 27.3                  | 40                   | 38-15/16 x 31-3/16 x 31-3/16<br>(989 x 242 x 242) | 242/205 (110/93)               |
| HVA949GKA†   | 4           | 48,000         | 26.0                  | 40                   | 43-11/16 x 35 x 35<br>(1111 x 889 x 889)          | 285/249 (129/113)              |
| HVA960GKA    | 5           | 60,000         | 40.0                  | 60                   | 42-5/16 x 31-3/16 x 31-3/16<br>(1075 x 792 x 792) | 268/229 (121/104)              |

† Meets ENERGY STAR® criteria when matched with appropriate coil.

# HCA7

## High-Efficiency up to 17.0 SEER Two-Stage Air Conditioner with Observer® Communicating Control System

2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



Recommended  
(Sold separately)

### Refrigeration Circuit

- Copeland Scroll™ UltraTech™ compressors on all models
- Filter drier supplied with every unit for field installation
- External high- and low-refrigerant service ports
- High- and low-pressure switches
- Copper tube/aluminum fin coil

### Performance

- Communicating, self-configuring operation when used with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Only two control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)      | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|--|--------------------------------|
| HCA724GKA    | 2           | 24,000         | 14.5                  | 20                   | 35-7/16 x 31-3/16 x 31-3/16<br>(900 x 792 x 792) | 222/183 (101/83)               |
| HCA736GKA    | 3           | 36,000         | 19.8                  | 25                   | 35-7/16 x 31-3/16 x 31-3/16<br>(900 x 792 x 792) | 256/217 (116/98)               |
| HCA748GKA    | 4           | 48,000         | 27.8                  | 40                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)           | 326/283 (148/128)              |
| HCA760GKB    | 5           | 60,000         | 37.3                  | 60                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)           | 327/284 (148/129)              |

# HSA6

## Up to 16.0 SEER Single-Stage Air Conditioner with Observer® Communicating Control System

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



Recommended  
(Sold separately)



### Refrigeration Circuit

- Scroll compressors on all models
- Filter drier supplied with every unit for field installation
- External high- and low-refrigerant service ports
- Copper tube/aluminum fin coil

### Performance

- Communicating, self-configuring operation when used with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Easy access service valves on all models
- Innovative control box design
- High- and low-pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)      | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|--|--------------------------------|
| HSA618GKA    | 1-1/2       | 18,000         | 11.8                  | 20                   | 28-9/16 x 31-3/16 x 31-3/16<br>(726 x 792 x 792) | 213/176 (96/80)                |
| HSA624GKA    | 2           | 24,000         | 17.6                  | 25                   | 28-9/16 x 31-3/16 x 31-3/16<br>(726 x 792 x 792) | 212/176 (96/80)                |
| HSA630GKA    | 2-1/2       | 30,000         | 16.7                  | 25                   | 32 x 31-3/16 x 31-3/16<br>(813 x 792 x 792)      | 223/187 (101/85)               |
| HSA636GKA    | 3           | 36,000         | 18.1                  | 30                   | 29-7/8 x 35 x 35<br>(760 x 889 x 889)            | 243/200 (110/91)               |
| HSA642GKA    | 3-1/2       | 42,000         | 23.6                  | 40                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)           | 297/253 (135/115)              |
| HSA648GKA    | 4           | 48,000         | 26.1                  | 40                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)           | 340/295 (155/114)              |
| HSA660GKA    | 5           | 60,000         | 28.0                  | 40                   | 46-7/8 x 35 x 35<br>(1191 x 889 x 889)           | 374/327 (169/148)              |



Recommended  
(Sold separately)

# HSA5

## 14.0 SEER Single-Stage Air Conditioner with Observer® Communicating Control System

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Copeland Scroll™ compressors on all models
- Filter drier supplied with every unit for field installation
- External high- and low-refrigerant service ports
- Copper tube/aluminum fin coil

### Performance

- Communicating, self-configuring operation when used with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Easy access service valves on all models
- Innovative control box design
- High- and low-pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Warranty\*

- Three-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| HSA518GKA    | 1-1/2       | 18,000         | 11.8                  | 20                   | 28-11/16 x 31-3/16 x 31-3/16<br>(729 x 793 x 793) | 213/176 (97/80)                |
| HSA524GKA    | 2           | 24,000         | 17.6                  | 25                   | 28-11/16 x 31-3/16 x 31-3/16<br>(729 x 793 x 793) | 213/176 (97/80)                |
| HSA530GKA    | 2-1/2       | 30,000         | 16.8                  | 25                   | 32-1/8 x 31-3/16 x 31-3/16<br>(816 x 793 x 793)   | 199/135 (90/75)                |
| HSA536GKA    | 3           | 36,000         | 18.1                  | 30                   | 35-1/2 x 31-3/16 x 31-3/16<br>(902 x 793 x 793)   | 211/177 (96/80)                |
| HSA542GKA    | 3-1/2       | 42,000         | 22.3                  | 35                   | 28-11/16 x 31-3/16 x 31-3/16<br>(729 x 793 x 793) | 237/203 (108/92)               |
| HSA548GKA    | 4           | 48,000         | 20.8                  | 35                   | 28-11/16 x 31-3/16 x 31-3/16<br>(729 x 793 x 793) | 238/204 (108/93)               |
| HSA560GKA    | 5           | 60,000         | 27.5                  | 40                   | 32-1/8 x 31-3/16 x 31-3/16<br>(816 x 793 x 793)   | 257/225 (117/102)              |

# H4A3

## Efficient 13.0 SEER Air Conditioner Environmentally Balanced R-410A Refrigerant

2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Copeland Scroll™ compressors on all models
- Filter drier supplied with every unit for field installation
- External high- and low-refrigerant service ports
- Copper tube/aluminum fin coil

### Performance

- Two-speed fan motors factory wired on all models
- Compressor Sound Jacket standard

### Easy-to-Install and Service

- Comfort Alert™ diagnostics device on all models
- Easy access service valves on all models
- Innovative control box design
- High- and low-pressure switches
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Warranty\*

- One-year No Hassle Replacement™ limited warranty
- Five-year compressor limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| H4A318GKF    | 1-1/2       | 18,000         | 11.8                  | 20                   | 25-3/16 x 23-1/8 x 23-1/8<br>(640 x 587 x 587)    | 143/117 (65/53)                |
| H4A324GKF    | 2           | 24,000         | 17.6                  | 25                   | 28-11/16 x 31-3/16 x 31-3/16<br>(729 x 793 x 793) | 213/176 (97/80)                |
| H4A330GKF    | 2-1/2       | 30,000         | 16.8                  | 25                   | 32-1/8 x 31-3/16 x 31-3/16<br>(816 x 793 x 793)   | 199/165 (90/75)                |
| H4A336GKN    | 3           | 36,000         | 21.9                  | 35                   | 25-3/16 x 31-3/16 x 31-3/16<br>(640 x 793 x 793)  | 196/160 (89/73)                |
| H4A342GKN    | 3-1/2       | 42,000         | 23.5                  | 40                   | 32-1/8 x 31-3/16 x 31-3/16<br>(816 x 793 x 793)   | 230/195 (104/89)               |
| H4A348GKN    | 4           | 48,000         | 26.0                  | 40                   | 35-1/2 x 31-3/16 x 31-3/16<br>(902 x 793 x 793)   | 243/203 (110/92)               |
| H4A360GKN    | 5           | 60,000         | 34.2                  | 50                   | 28-11/16 x 31-3/16 x 31-3/16<br>(729 x 793 x 793) | 250/215 (113/98)               |



# N4A7

## Efficient up to 17.0 SEER/12.0-12.5 EER Air Conditioner Environmentally Balanced R-410A Refrigerant

2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Two-stage scroll compressors on all models
- Filter drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)     | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| N4A724GKA    | 2           | 24,000         | 14.5                  | 25                   | 32-1/2 x 31-3/16 x 31-3/16<br>(901 x 792 x 792) | 206/167 (93/76)                |
| N4A736GKA    | 3           | 36,000         | 19.8                  | 30                   | 32-1/2 x 31-3/16 x 31-3/16<br>(901 x 792 x 792) | 230/191 (104/87)               |
| N4A748GKA    | 4           | 48,000         | 27.8                  | 40                   | 38-7/8 x 35 x 35<br>(988 x 889 x 889)           | 295/253 (134/115)              |
| N4A760GKA    | 5           | 60,000         | 37.3                  | 60                   | 38-7/8 x 35 x 35<br>(988 x 889 x 889)           | 299/258 (136/117)              |

# NXA6

## High-Efficiency up to 16.0 SEER Air Conditioner Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Scroll compressors on all models
- Filter drier supplied with every unit for field installation
- Copper tube/aluminum fin coil
- 48 and 60 models for higher SEER, lower capacity
- 49 and 61 models for higher capacity, lower SEER

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)      | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|--|--------------------------------|
| NXA618GKA    | 1-1/2       | 18,000         | 11.8                  | 20                   | 28-11/16 x 25-3/4 x 25-3/4<br>(729 x 654 x 654)  | 154/125 (70/57)                |
| NXA624GKA    | 2           | 24,000         | 17.7                  | 30                   | 28-5/16 x 31-3/16 x 31-3/16<br>(719 x 792 x 792) | 183/147 (85/67)                |
| NXA630GKA    | 2-1/2       | 30,000         | 16.8                  | 25                   | 32-5/16 x 31-3/16 x 31-3/16<br>(821 x 792 x 792) | 188/153 (85/69)                |
| NXA636GKA    | 3           | 36,000         | 18.1                  | 30                   | 28-5/16 x 35 x 35<br>(719 x 889 x 889)           | 204/165 (93/75)                |
| NXA642GKA    | 3-1/2       | 42,000         | 23.6                  | 40                   | 39-1/8 x 35 x 35<br>(994 x 889 x 889)            | 254/213 (115/96)               |
| NXA648GKA    | 4           | 48,000         | 26.1                  | 40                   | 39-1/8 x 35 x 35<br>(994 x 889 x 889)            | 317/264 (144/120)              |
| NXA649GKA    | 4           | 48,000         | 38.4                  | 40                   | 39-1/8 x 35 x 35<br>(994 x 889 x 889)            | 269/231 (122/105)              |
| NXA660GKA    | 5           | 60,000         | 28.0                  | 40                   | 45-15/16 x 35 x 35<br>(1167 x 889 x 889)         | 310/272 (141/123)              |





# N4A6

Efficient up to 16.5 SEER/12.2-13.0 EER Air Conditioner  
Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

## Refrigeration Circuit

- Scroll compressors on all models
- Filter drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

## Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

## Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

## Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

## Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)     | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| N4A618GKA    | 1-1/2       | 18,000         | 11.7                  | 20                   | 25 x 25-3/4 x 25-3/4<br>(635 x 654 x 654)       | 145/122 (66/55)                |
| N4A624GKA    | 2           | 24,000         | 14.4                  | 25                   | 32-5/16 x 25-3/4 x 25-3/4<br>(821 x 654 x 654)  | 148/123 (67/56)                |
| N4A630GKA    | 2-1/2       | 30,000         | 16.8                  | 25                   | 39-1/8 x 31-3/16 x 31-3/16<br>(994 x 792 x 792) | 201/164 (91/74)                |
| N4A636GKA    | 3           | 36,000         | 18.2                  | 30                   | 28-5/16 x 35 x 35<br>(719 x 889 x 889)          | 204/165 (93/75)                |
| N4A642GKA    | 3-1/2       | 42,000         | 21.8                  | 35                   | 28-5/16 x 35 x 35<br>(719 x 889 x 889)          | 247/210 (112/95)               |
| N4A648GKA    | 4           | 48,000         | 26.1                  | 40                   | 39-1/8 x 35 x 35<br>(993 x 889 x 889)           | 317/264 (144/120)              |
| N4A660GKA    | 5           | 60,000         | 28.0                  | 40                   | 45-15/16 x 35 x 35<br>(1167 x 889 x 889)        | 310/272 (141/123)              |

# NXA4

## Efficient 14.0 SEER Air Conditioner Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Scroll compressors on all models
- Filter drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| NXA418GKC    | 1-1/2       | 18,000         | 11.7                  | 20                   | 24-13/16 x 23-1/8 x 23-1/8<br>(630 x 587 x 587)   | 134/123 (61/56)                |
| NXA424GKC    | 2           | 24,000         | 14.1                  | 20                   | 25 x 25-3/4 x 25-3/4<br>(635 x 654 x 654)         | 140/119 (84/54)                |
| NXA430GKC    | 2-1/2       | 30,000         | 16.8                  | 25                   | 31-13/16 x 31-3/16 x 31-3/16<br>(808 x 792 x 792) | 186/151 (84/68)                |
| NXA436GKC    | 3           | 36,000         | 18.7                  | 30                   | 24-13/16 x 31-3/16 x 31-3/16<br>(630 x 792 x 792) | 151/134 (87/68)                |
| NXA442GKC    | 3-1/2       | 42,000         | 22.3                  | 35                   | 39-1/8 x 31-3/16 x 31-3/16<br>(994 x 792 x 792)   | 232/192 (105/87)               |
| NXA448GKC    | 4           | 48,000         | 20.9                  | 35                   | 28-7/16 x 31-3/16 x 31-3/16<br>(722 x 792 x 792)  | 200/182 (91/82)                |
| NXA460GKC    | 5           | 60,000         | 27.5                  | 40                   | 31-13/16 x 31-3/16 x 31-3/16<br>(808 x 792 x 792) | 218/197 (99/89)                |



# N4A5

## Efficient 14.0 SEER/11.7-12.2 EER Air Conditioner Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Scroll compressors on all models
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| N4A518GKC    | 1-1/2       | 18,000         | 11.7                  | 20                   | 25 x 25-3/4 x 25-3/4<br>(635 x 654 x 654)         | 145/122 (66/55)                |
| N4A524GKC    | 2           | 24,000         | 14.1                  | 20                   | 32-5/16 x 25-3/4 x 25-3/4<br>(821 x 654 x 654)    | 148/123 (67/56)                |
| N4A530GKC    | 2-1/2       | 30,000         | 16.8                  | 25                   | 31-13/16 x 31-3/16 x 31-3/16<br>(808 x 792 x 792) | 186/151 (84/69)                |
| N4A536GKC    | 3           | 36,000         | 18.1                  | 30                   | 35-3/16 x 31-3/16 x 31-3/16<br>(894 x 792 x 792)  | 171/151 (78/69)                |
| N4A542GKC    | 3-1/2       | 42,000         | 22.3                  | 35                   | 31-3/16 x 28-7/16 x 28-7/16<br>(792 x 722 x 722)  | 226/191 (103/87)               |
| N4A548GKC    | 4           | 48,000         | 20.9                  | 35                   | 28-7/16 x 31-3/16 x 31-3/16<br>(722 x 792 x 792)  | 200/182 (91/83)                |
| N4A560GKC    | 5           | 60,000         | 27.5                  | 40                   | 31-13/16 x 31-3/16 x 31-3/16<br>(808 x 792 x 792) | 218/197 (99/89)                |

# N4A4-C

## Coastal 14.0 SEER Air Conditioner R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Scroll compressors on all models
- Filter drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Baked-on powder coat finish on all sides
- Corrosion protection epoxy phenolic coated aluminum fins
- Coated, weather-resistant cabinet screws
- Coastal coated inlet grille with 3/8" (10mm) grill spacing for extra protection

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| N4A418CKA    | 1-1/2       | 18,000         | 11.7                  | 20                   | 28-7/16 x 23-1/8 x 23-1/8<br>(722 x 587 x 587)    | 133/111 (60/50)                |
| N4A424CKA    | 2           | 24,000         | 14.1                  | 25                   | 28-7/16 x 31-3/16 x 31-3/16<br>(722 x 792 x 792)  | 170/136 (77/62)                |
| N4A430CKA    | 2-1/2       | 30,000         | 16.8                  | 25                   | 24-13/16 x 31-3/16 x 31-3/16<br>(630 x 792 x 792) | 183/152 (83/69)                |
| N4A436CKA    | 3           | 36,000         | 17.8                  | 30                   | 24-13/16 x 31-3/16 x 31-3/16<br>(630 x 792 x 792) | 185/155 (84/70)                |
| N4A442CKA    | 3-1/2       | 42,000         | 22.3                  | 35                   | 28-7/16 x 31-3/16 x 31-3/16<br>(722 x 792 x 792)  | 220/189 (100/86)               |
| N4A448CKA    | 4           | 48,000         | 24.5                  | 40                   | 35-3/4 x 31-3/16 x 31-3/16<br>(908 x 792 x 792)   | 233/233 (106/90)               |
| N4A460CKA    | 5           | 60,000         | 31.7                  | 50                   | 39-1/8 x 35 x 35<br>(993 x 889 x 889)             | 289/248 (131/113)              |



# NH4A4

## 14.0 SEER Horizontal Discharge Air Conditioner For Use with Ducted Indoor Units Environmentally Balanced R-410A Refrigerant 1-1/2 – 5 Tons Split System, 208 / 230 Volt, Single-Phase

### Refrigeration Circuit

- 14.0 SEER/11.7 - 12.2 EER
- Scroll compressors on all models
- Factory supplied filter drier
- High-pressure switch
- Line lengths up to 250 feet (76.2m)

### Easy-to-Install and Service

- Small footprint
- Easy access service valves on all models
- Factory charged with R-410A refrigerant

### Built to Last

- Low-ambient operation (down to 0°F/-17.8°C)
- Ball bearing fan motor

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number        | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)      | Ship/Operating Weight lbs (kg) |
|---------------------|-------------|----------------|-----------------------|----------------------|--|--------------------------------|
| <b>208/230-1-60</b> |             |                |                       |                      |  |                                |
| NH4A418AKA          | 1-1/2       | 18,000         | 11.8                  | 20                   | 31-1/8 x 36-15/16 x 14-9/16<br>(790 x 938 x 370) | 166/146 (75/66)                |
| NH4A424AKA          | 2           | 24,000         | 14.1                  | 25                   | 31-1/8 x 36-15/16 x 14-9/16<br>(790 x 938 x 370) | 168/148 (76/67)                |
| NH4A430AKA          | 2-1/2       | 30,000         | 18.3                  | 30                   | 37-1/8 x 44-1/2 x 17-1/16<br>(943 x 1130 x 433)  | 213/183 (97/83)                |
| NH4A436AKA          | 3           | 36,000         | 18.8                  | 30                   | 37-1/8 x 44-1/2 x 17-1/16<br>(943 x 1130 x 433)  | 214/184 (97/84)                |
| NH4A448AKA          | 4           | 48,000         | 24.3                  | 40                   | 37-1/8 x 44-1/2 x 17-1/16<br>(943 x 1130 x 433)  | 243/213 (110/97)               |
| NH4A460AKA          | 5           | 60,000         | 31.1                  | 50                   | 43-1/8 x 44-1/2 x 17-1/16<br>(1095 x 1130 x 433) | 275/245 (125/111)              |

# N4A3

## Efficient 13.0 SEER Air Conditioner Environmentally Balanced R-410A Refrigerant

2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Scroll compressors on all models
- Filter drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) spacing for extra protection (hail guard)

### Warranty\*

- Five-year compressor limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| N4A318AKF    | 1-1/2       | 18,000         | 11.8                  | 20                   | 25-5/16 x 23-1/8 x 23-1/8<br>(643 x 587 x 587)    | 130/107 (59/49)                |
| N4A318GKF    | 1-1/2       | 18,000         | 11.8                  | 20                   |   |                                |
| N4A324AKG    | 2           | 24,000         | 14.3                  | 25                   | 25-5/16 x 23-1/8 x 23-1/8<br>(643 x 587 x 587)    | 127/107 (58/49)                |
| N4A324GKG    | 2           | 24,000         | 14.3                  | 25                   |   |                                |
| N4A330AKG    | 2-1/2       | 30,000         | 16.6                  | 25                   | 28-11/16 x 25-3/4 x 25-3/4<br>(729 x 654 x 654)   | 149/126 (68/57)                |
| N4A330GKG    | 2-1/2       | 30,000         | 16.6                  | 25                   |   |                                |
| N4A336AKF    | 3           | 36,000         | 18.1                  | 30                   | 25-5/16 x 31-3/16 x 31-3/16<br>(642 x 792 x 792)  | 151/134 (68/61)                |
| N4A336GKF    | 3           | 36,000         | 18.1                  | 30                   |   |                                |
| N4A342AKN    | 3-1/2       | 42,000         | 23.5                  | 40                   | 32-5/16 x 31-3/16 x 31-3/16<br>(821 x 792 x 792)  | 218/190 (99/86)                |
| N4A342GKN    | 3-1/2       | 42,000         | 23.5                  | 40                   |   |                                |
| N4A348AKG    | 4           | 48,000         | 24.3                  | 40                   | 35-1/2 x 31-3/16 x 31-3/16<br>(901 x 792 x 792)   | 205/175 (93/79)                |
| N4A348GKG    | 4           | 48,000         | 24.3                  | 40                   |   |                                |
| N4A360AKN    | 5           | 60,000         | 29.0                  | 50                   | 28-11/16 x 31-3/16 x 31-3/16<br>(729 x 792 x 792) | 232/199 (106/91)               |
| N4A360GKN    | 5           | 60,000         | 29.0                  | 50                   |   |                                |

A = 2" (51 mm) spacing inlet grille  
G = 3/8" (10 mm) spacing inlet grille



# R4A5

## Efficient 14.0 SEER/11.7 -12.2 EER Air Conditioner Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase 60 Hz

### Refrigeration Circuit

- Scroll compressors on all models
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 2" (51mm) spacing or 3/8" (10mm) spacing for extra protection

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| R4A518*KB    | 1-1/2       | 18,000         | 11.7                  | 20                   | 25-5/16 x 25-3/4 x 25-3/4<br>(642 x 654 x 654)    | 145/122 (66/55)                |
| R4A524*KB    | 2           | 24,000         | 14.1                  | 20                   | 32-1/16 x 25-3/4 x 25-3/4<br>(815 x 654 x 654)    | 148/123 (67/56)                |
| R4A530*KB    | 2-1/2       | 30,000         | 16.8                  | 25                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 186/151 (84/69)                |
| R4A536*KB    | 3           | 36,000         | 18.1                  | 30                   | 35-1/16 x 31-3/16 x 31-3/16<br>(891 x 792 x 792)  | 171/151 (78/69)                |
| R4A542*KB    | 3-1/2       | 42,000         | 22.3                  | 35                   | 28-1/4 x 31-3/16 x 31-3/16<br>(718 x 792 x 792)   | 226/191 (103/87)               |
| R4A548*KB    | 4           | 48,000         | 20.9                  | 35                   | 28-1/4 x 31-3/16 x 31-3/16<br>(718 x 792 x 792)   | 200/182 (91/83)                |
| R4A560*KB    | 5           | 60,000         | 27.5                  | 40                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 218/197 (99/89)                |

\* A= 2" (51 mm) spacing inlet grille  
G = 3/8" (10 mm) spacing inlet grille

# R4A4

## Efficient 14.0 SEER Air Conditioner Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Scroll compressors on all models
- Filter drier supplied with every unit for field installation
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 2" (51mm) spacing or 3/8" (10mm) spacing for extra protection

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| R4A418AKB    | 1-1/2       | 18,000         | 11.7                  | 20                   | 23-7/8 x 23-1/8 x 23-1/8<br>(632 x 587 x 587)     | 134/123 (61/56)                |
| R4A418GKB    |             |                |                       |                      |   |                                |
| R4A424AKB    | 2           | 24,000         | 14.1                  | 20                   | 25-5/16 x 25-3/4 x 25-3/4<br>(642 x 654 x 654)    | 140/119 (84/54)                |
| R4A424GKB    |             |                |                       |                      |   |                                |
| R4A430AKB    | 2-1/2       | 30,000         | 16.8                  | 25                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 186/151 (84/68)                |
| R4A430GKB    |             |                |                       |                      |   |                                |
| R4A436AKB    | 3           | 36,000         | 18.1                  | 30                   | 24-7/8 x 31-3/16 x 31-3/16<br>(632 x 792 x 792)   | 151/134 (87/87)                |
| R4A436GKB    |             |                |                       |                      |   |                                |
| R4A442AKB    | 3-1/2       | 42,000         | 22.3                  | 35                   | 38-7/16 x 31-3/16 x 31-3/16<br>(977 x 792 x 792)  | 232/192 (105/87)               |
| R4A442GKB    |             |                |                       |                      |   |                                |
| R4A448AKB    | 4           | 48,000         | 20.8                  | 35                   | 28-1/4 x 31-3/16 x 31-3/16<br>(718 x 792 x 792)   | 200/182 (91/82)                |
| R4A448GKB    |             |                |                       |                      |   |                                |
| R4A460AKB    | 5           | 60,000         | 27.5                  | 40                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 218/197 (99/89)                |
| R4A460GKB    |             |                |                       |                      |   |                                |

A = 2" (51 mm) spacing inlet grille  
G = 3/8" (10 mm) spacing inlet grille





# R4A3

## Efficient 13.0 SEER Air Conditioner Environmentally Balanced R-410A Refrigerant

**2 – 5 Tons Split System**  
**208 / 230 Volt, Single-Phase, 60 Hz**

### Refrigeration Circuit

- Scroll compressors on all models
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 2" (51mm) spacing or 3/8" (10mm) spacing for extra protection

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| R4A318AKH    | 1-1/2       | 18,000         | 11.8                  | 20                   | 24-7/8 x 23-1/8 x 23-1/8<br>(630 x 587 x 587)     | 124/108 (56/49)                |
| R4A318GKH    | 1-1/2       | 18,000         | 11.8                  | 20                   | 24-7/8 x 23-1/8 x 23-1/8<br>(630 x 587 x 587)     | 124/108 (56/49)                |
| R4A324AKH    | 2           | 24,000         | 14.3                  | 25                   | 24-7/8 x 23-1/8 x 23-1/8<br>(630 x 587 x 587)     | 127/107 (58/49)                |
| R4A324GKH    | 2           | 24,000         | 14.3                  | 25                   | 24-7/8 x 23-1/8 x 23-1/8<br>(630 x 587 x 587)     | 127/107 (58/49)                |
| R4A330AKH    | 2-1/2       | 30,000         | 16.6                  | 25                   | 28-11/16 x 25-3/4 x 25-3/4<br>(729 x 654 x 654)   | 149/126 (68/57)                |
| R4A330GKH    | 2-1/2       | 30,000         | 16.6                  | 25                   | 28-11/16 x 25-3/4 x 25-3/4<br>(729 x 654 x 654)   | 149/126 (68/57)                |
| R4A336AKH    | 3           | 36,000         | 18.1                  | 30                   | 24-7/8 x 31-3/16 x 31-3/16<br>(630 x 792 x 792)   | 151/134 (68/61)                |
| R4A336GKH    | 3           | 36,000         | 18.1                  | 30                   | 24-7/8 x 31-3/16 x 31-3/16<br>(630 x 792 x 792)   | 151/134 (68/61)                |
| R4A342AKH    | 3-1/2       | 42,000         | 23.5                  | 40                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 186/172 (85/78)                |
| R4A342GKH    | 3-1/2       | 42,000         | 23.5                  | 40                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 186/172 (85/78)                |
| R4A348AKH    | 4           | 48,000         | 24.3                  | 40                   | 35-1/16 x 31-3/16 x 31-3/16<br>(891 x 792 x 792)  | 205/175 (93/79)                |
| R4A348GKH    | 4           | 48,000         | 24.3                  | 40                   | 35-1/16 x 31-3/16 x 31-3/16<br>(891 x 792 x 792)  | 205/175 (93/79)                |
| R4A360AKH    | 5           | 60,000         | 34.4                  | 50                   | 28-1/4 x 31-3/16 x 31-3/16<br>(718 x 792 x 792)   | 218/203 (99/92)                |
| R4A360GKH    | 5           | 60,000         | 34.4                  | 50                   | 28-1/4 x 31-3/16 x 31-3/16<br>(718 x 792 x 792)   | 218/203 (99/92)                |

A = 2" (51 mm) spacing inlet grille  
G = 3/8" (10 mm) spacing inlet grille

# Accessories

## Residential Air Conditioners

| HSA6, HSA5, H4A3, NXA4, NXA6, N4A3, N4A4, N4A5, N4A6, R4A5, R4A4, R4A3 (R-410A Air Conditioner) |   |                    |                            |
|---|---|--------------------|----------------------------|
| Part Number   | Description   | Used on Model Size |                            |
| NASA001CH   | Crankcase Heater for Scroll Compressor (208/230 V)                                    | H4A3               | 42, 48, 60                 |
|   |   | HSA5               | 42                         |
|   |   | HSA6               | 42, 48, 60                 |
|   |   | N4A3               | 36, 42, 48, 60             |
|   |   | N4A4               | 42, 48                     |
|   |   | N4A5               | 42, 48, 60                 |
|   |   | N4A6               | 42, 48, 60                 |
|   |   | NXA4               | 42, 48, 60                 |
|   |   | NXA6               | 42, 48, 49, 60, 61         |
|   |   | R4A5               | 42, 48, 60                 |
|   |   | R4A4               | 42, 48, 60                 |
|   |   | R4A3               | 36, 42, 48, 60             |
| NASA003CH   | Crankcase Heater for Scroll Compressor (208/230 V) (factory installed on some models) | H4A3               | 18, 24, 30, 36             |
|   |   | HSA6               | 18, 24, 30, 36             |
|   |   | HSA5               | 24, 30, 36                 |
|   |   | N4A5               | 24, 30, 36                 |
|   |   | N4A3               | ALL                        |
|   |   | H4A3               | ALL                        |
|   |   | N4A4               | 18, 24, 30, 36             |
|   |   | N4A6               | 18, 24, 30, 36             |
|   |   | NXA4               | 18, 24, 30, 36             |
|   |   | NXA6               | 18, 24, 30, 36             |
|   |   | R4A4               | 18, 24, 30                 |
|   |   | R4A5               | 18, 24, 30, 36             |
| NASA00501CH   | Crankcase Heater for Scroll Compressor (208/230 V)                                    | HSA5               | 48, 60                     |
| NASA003SC   | Hard Start Kit  | H4A3               | ALL                        |
|   |   | N4A3               | ALL                        |
|   |   | N4A4               | 42                         |
|   |   | R4A3               | ALL                        |
| NASA005SC   | Hard Start Kit  | N4A5               | ALL                        |
|   |   | N4A4               | 18, 24, 36, 48, 60         |
| NASA014SC   | Hard Start Kit  | HSA6               | ALL                        |
|   |   | HSA5               | ALL                        |
| TSTAT0201CW   | Observer® Self-Configuring Communication Wall Control                                 | HSA6               | ALL                        |
|   |   | HSA5               | ALL                        |
| NASA001SJ   | Sound Jacket, Compressor (factory installed on some models)                           | N4A3               | 18, 24, 30, 36, 42, 48     |
|   |   | N4A4               | 18, 24, 30, 36, 42, 48     |
|   |   | N4A6               | 18, 24, 30, 36, 42, 48     |
|   |   | N4A5               | 18, 24, 30, 36, 42, 48     |
|   |   | NXA4               | 42, 48                     |
|   |   | NXA6               | 18, 24, 30, 36, 42, 48, 49 |
|   |   | R4A3               | 18, 24, 30, 36, 42, 48     |
|   |   | R4A4               | 42, 48                     |
| R4A5  | 18, 24, 30, 36, 42, 48  |                    |                            |

# Accessories

## Residential Air Conditioners

| HSA6, HSA5, H4A3, NXA4, NXA6, N4A3, N4A4, N4A5, N4A6, R4A5, R4A4, R4A3 (R-410A Air Conditioner) |  |                    |                    |
|---|--|--------------------|--------------------|
| Part Number   | Description  | Used on Model Size |                    |
| NASA003SJ   | Sound Jacket, Compressor<br>(factory installed on some models)               | N4A3               | 60                 |
|   |  | N4A4               | 60                 |
|   |  | N4A6               | 60                 |
|   |  | N4A5               | 60                 |
|   |  | NXA4               | 60                 |
|   |  | NXA6               | 60, 61             |
|   |  | R4A3               | 60                 |
|   |  | R4A4               | 60                 |
| NASA002SJ   | Sound Jacket, Compressor   | R4A5               | 60                 |
|   |  | NXA4               | 18, 24, 30         |
|   |  | R4A4               | 18, 24, 30         |
| NAEA40501TX   | TXV Kit, R-410A – for use with copper or tin fan coils                       | ALL                | 18, 24, 30         |
| NAEA40601TX   | TXV Kit, R-410A – for use with copper or tin fan coils                       | ALL                | 36, 42             |
| NAEA40701TX   | TXV Kit, R-410A – for use with copper or tin fan coils                       | ALL                | 48, 49, 60, 61     |
| NAEB40501TX   | TXV Kit, R-410A – for use with aluminum fan coils                            | ALL                | 18, 24, 30         |
| NAEB40601TX   | TXV Kit, R-410A – for use with aluminum fan coils                            | HSA5               | 36                 |
|   |  | ALL                | 36, 42             |
| NAEB40701TX   | TXV Kit, R-410A – for use with aluminum fan coils                            | HSA5               | 42, 48, 60         |
|   |  | ALL                | 48, 49, 60, 61     |
| NASA001SC   | Start Component – PTC Deluxe   | ALL                |                    |
| NASA00201FS   | Evaporator Freeze Thermostat   | ALL                |                    |
| NASA403PS   | Low-Pressure Switch, AC, R-410A<br>(factory installed on some models)        | ALL                |                    |
| NASA404PS   | High-Pressure Switch, AC or HP, R-410A<br>(factory installed on some models) | ALL                |                    |
| NASA401LS   | Liquid Line Solenoid Valve, R-410A   | ALL                |                    |
| NASA001TD   | Time Delay Relay, Indoor Blower  | ALL                |                    |
| NASA00201WS   | Winter Start Control   | ALL                |                    |
| NASA001WS   | Winter Start Control   | ALL                |                    |
| NASA001AC   | Anti-Cycle Timer (5-minute delay)  | ALL                |                    |
| NASA401LA   | Low-Ambient Pressure Switch  | ALL                |                    |
| NASA001SF   | Support Feet, 4" (102 mm) tall (4 blocks)                                    | N4A3               | 42, 48, 60         |
|   |  | N4A4               | 24, 30, 42, 48, 60 |
|   |  | N4A6               | 30, 42, 48, 60     |
|   |  | N4A5               | 42, 48, 60         |
|   |  | H4A3               | 30, 42, 48, 60     |
|   |  | R4A5               | 42, 48, 60         |
| NASA00201SF   | Support Feet, 4" (102 mm) tall (5 blocks)                                    | N4A3               | 30, 36             |
|   |  | N4A4               | 18                 |
|   |  | N4A6               | 18, 30, 36         |
|   |  | N4A5               | 18, 30, 36         |
|   |  | NXA4               | ALL                |
|   |  | HSA5               | ALL                |
|   |  | H4A3               | 18, 24, 36         |
| R4A5  | 18, 24, 36   |                    |                    |

# Accessories Residential Air Conditioners

| <b>N4A7 (Two-Stage Air Conditioner)</b>                                  |  |                           |
|--|--|---------------------------|
| <b>Part Number</b>   | <b>Description</b>   | <b>Used on Model Size</b> |
| NASA00601CH  | Crankhouse Heater for Scroll Compressor  | 24, 36                    |
| NASA001SC  | Start Component - PTC Device   | ALL                       |
| NASA00201FS  | Evaporator Freeze Thermostat   | ALL                       |
| NASA401LS  | Liquid Line Solenoid Valve, R-410A   | ALL                       |
| NASA001TD  | Time Delay Relay, Indoor Blower  | ALL                       |
| NASA00201WS  | Winter Start Control   | ALL                       |
| NASA001AC  | Anti-Cycle Timer (5-minute delay)  | ALL                       |
| NASA012SC  | Hard Start Kit (capacitor and relay)   | ALL                       |
| NASA401LA  | Low-Ambient Kit (pressure switch), R-410A  | ALL                       |
| NASA001SF  | Support Feet, 4" (102 mm) tall   | 42                        |
| NASA00201SJ  | Sound Jacket Compressor  | 24, 36                    |
| NASA00101SJ  | Sound Jacket Compressor  | 48, 60                    |
| NAEA40501TX  | TXV Kit, R-410A - for use with copper or tin fan coils                                 | 24                        |
| NAEA40601TX  | TXV Kit, R-410A - for use with copper or tin fan coils                                 | 36                        |
| NAEA40701TX  | TXV Kit, R-410A - for use with copper or tin fan coils                                 | 48, 60                    |
| NAEB40501TX  | TXV Kit, R-410A - for use with aluminum fan coils                                      | 24                        |
| NAEB40601TX  | TXV Kit, R-410A - for use with aluminum fan coils                                      | 36                        |
| NAEB40701TX  | TXV Kit, R-410A - for use with aluminum fan coils                                      | 48, 60                    |
| <b>HCA724-60GKA2/B1 (R-410A Two-Stage Communicating Air Conditioner)</b> |  |                           |
| <b>Part Number</b>   | <b>Description</b>   | <b>Used on Model Size</b> |
| TSTAT0201CW  | Observer® Self-Configuring Communicating Wall Control                                  | ALL                       |
| NASA401LS  | Liquid Line Solenoid Valve, R-410A   | ALL                       |
| NASA001TD  | Time Delay Relay, Indoor Blower  | ALL                       |
| NASA001SF  | Support Feet, 4" (102 mm) tall (4 blocks)  |                           |
| NASA00201SF  | Support Feet, 4" (102 mm) tall (5 blocks)  | ALL                       |
| NASA012SC  | Hard Start Kit   | 24, 36                    |
| NASA013SC  | Hard Start Kit   | 48, 60                    |
| NASA00201FS  | Evaporator Freeze Thermostat   | ALL                       |
| NASA00201WS  | Winter Start Control   | ALL                       |
| NASA401LA  | Low-Ambient Pressure Kit   | ALL                       |
| NASA01001CH  | Crankcase Heater for Scroll Compressor (208/230 V)<br>(factory installed on 48 and 60) | 24, 36                    |
| <b>HVA9 (R-410A Five-Stage Communicating Air Conditioner)</b>            |  |                           |
| <b>Part Number</b>   | <b>Description</b>   | <b>Used on Model Size</b> |
| TSTAT0201CW  | Observer® Self-Configuring Communicating Wall Control                                  | ALL                       |
| NASA00106SS  | Snow Stand Kit   | 60                        |
| NASA001SF  | Support Feet, 4" (102 mm) tall (4 blocks)  | ALL                       |
| NASA00201SF  | Support Feet, 4" (102 mm) tall (5 blocks)  | ALL                       |
| NAEA40501TX  | TXV Kit, R-410A for use on copper or tin fin coils                                     | 24, 25                    |
| NAEA40601TX  | TXV Kit, R-410A for use on copper or tin fin coils                                     | 36, 37                    |
| NAEA40701TX  | TXV Kit, R-410A for use on copper or tin fin coils                                     | 48, 49, 60                |
| NAEB40501TX  | TXV Kit, R-410A for use on aluminum fin coils  | 24, 25                    |
| NAEB40601TX  | TXV Kit, R-410A for use on aluminum fin coils  | 36, 37                    |
| NAEB40701TX  | TXV Kit, R-410A for use on aluminum fin coils  | 48, 49, 60                |
| 1187979  | Vapor Line Muffler (FAST Parts)  | ALL                       |

Some accessories may be factory installed. Refer to product specifications for exact accessory match.

# Accessories

## Residential Ducted Horizontal Air Conditioner – NH4A4

| Kit Number  | Description                  | Unit Size (Voltage/Series) |     |     |     |     |     |     |     |     |     |     |     |
|-------------|------------------------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|             |                              | 18                         | 24  | 30  | 36  | 36  | 36  | 48  | 48  | 48  | 60  | 60  | 60  |
|             |                              | AKA                        | AKA | AKA | AKA | AHA | ALA | AKA | AHA | ALA | AKA | AHA | ALA |
| NASA003CH   | Crankcase Heater             | X                          | X   | X   | X   | X   |     |     |     |     |     |     |     |
| NASA001CH   | Crankcase Heater             |                            |     |     |     |     |     | X   | X   |     | X   | X   |     |
| NASA004CH   | Crankcase Heater             |                            |     |     |     |     | X   |     |     |     |     |     |     |
| NASA00301CH | Crankcase Heater             |                            |     |     |     |     |     |     |     | X   |     |     | X   |
| NASA00201FS | Evaporator Freeze Stat       | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA001TD   | Time Delay Relay             | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA00201WS | Winter Start Control         | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA401LA   | Low-Ambient Kit              | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA00201WB | Wind Baffle                  | X                          | X   |     |     |     |     |     |     |     |     |     |     |
| NASA00301WB | Wind Baffle                  |                            |     | X   | X   | X   | X   | X   | X   | X   |     |     |     |
| NASA00401WB | Wind Baffle                  |                            |     |     |     |     |     |     |     |     | X   | X   | X   |
| NASA00101SG | Stacking Kit                 | X                          | X   |     |     |     |     |     |     |     |     |     |     |
| NASA00201SG | Stacking Kit                 |                            |     | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA00101WM | Wall Mounting Kit            | X                          | X   |     |     |     |     |     |     |     |     |     |     |
| NASA00201WM | Wall Mounting Kit            |                            |     | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA404PS   | Low-Pressure Switch Kit      | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| 1177810     | Sound Blanket Kit            |                            |     |     |     |     |     | X   | X   | X   | X   | X   | X   |
| NASA401LS   | Solenoid Valve Kit           | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA003SC   | Capacitor Relay Start Assist | X                          | X   | X   | X   |     |     | X   |     |     | X   |     |     |



# Residential Heat Pumps



# HVH8

## High-Efficiency up to 19.0 SEER Variable-Speed Heat Pump with Observer® Communicating Control System

2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



Recommended  
(Sold separately)



### Refrigeration Circuit

- Variable-speed compressor operates at five stages with capacity range as wide as 25 - 100%
- Electronic expansion valve (EXV) for precise heating control
- High-pressure switch
- Suction pressure transducer
- Pressure equalizer valve for easy starting
- Compressor discharge temperature sensor
- Coil temperature sensor
- Copper tube/aluminum fin coil
- Internal crankcase heater standard
- Suction line accumulator factory installed

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Performance

- Up to 13.0 EER and 11.0 HSPF
- Integrated inverter control enables five-stage operation with Observer Communicating System with version 5.0 or newer software required for five-stage operation
- Also capable of two-stage operation with two-stage thermostat
- Self-configuring installation with Observer Communicating Wall Control
- Compact ECM fan motor driven by integrated inverter control
- Outdoor temperature sensor factory installed
- High performance compressor sound shield standard
- Isolation compressor grommets
- Enhanced dehumidification

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Only two control wires required from communicating indoor unit to condenser
- External high- and low-refrigerant service ports
- Factory charged with R-410A refrigerant
- Adjustments for min. and max. staging with Observer Communicating Wall Control



Qualifying models only.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x L x W (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| HVH824GKA    | 2           | 24,000         | 13.5                  | 20                   | 31-13/16 x 23-1/8 x 23-1/8<br>(807 x 587 x 587)   | 154/132 (70/60)                |
| HVH825GKA†   | 2           | 24,000         | 23.6                  | 40                   | 38-1/2 x 23-1/8 x 23-1/8<br>(980 x 587 x 587)     | 181/156 (82/71)                |
| HVH836GKA    | 3           | 36,000         | 24.4                  | 40                   | 38-1/2 x 23-1/8 x 23-1/8<br>(980 x 587 x 587)     | 181/156 (82/71)                |
| HVH837GKA†   | 3           | 36,000         | 26.0                  | 40                   | 38-15/16 x 31-3/16 x 31-3/16<br>(989 x 242 x 242) | 244/207 (111/94)               |
| HVH848GKA    | 4           | 48,000         | 31.4                  | 50                   | 38-15/16 x 31-3/16 x 31-3/16<br>(989 x 792 x 792) | 244/207 (111/94)               |
| HVH860GKA    | 5           | 60,000         | 40.8                  | 60                   | 42-5/16 x 31-3/16 x 31-3/16<br>(1075 x 792 x 792) | 272/233 (123/106)              |

† Meets ENERGY STAR® criteria when matched with appropriate coil.





Recommended  
(Sold separately)

# HCH6

## High-Efficiency up to 16.0 SEER Two-Stage Heat Pump with Observer® Communicating Control System

2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Copeland Scroll™ UltraTech™ compressors on all models
- Crankcase heater factory installed
- Suction line accumulator factory installed
- Bi-flow filter drier supplied with every unit for field installation
- Integrated solid-state control with Time-Temperature Defrost
- High- and low-pressure switches
- Discharge gas thermostat
- Copper tube/aluminum fin coil

### Performance

- Communicating, self-configuring operation when used with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Ball bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Only two control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm) | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| HCH624GKA1   | 2           | 24,000         | 16.4                  | 25                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)      | 292/249 (132/113)              |
| HCH624GKA3   | 2           | 24,000         | 16.2                  | 25                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)      | 292/249 (132/113)              |
| HCH636GKA1   | 3           | 36,000         | 21.8                  | 35                   | 43-1/2 x 35 x 35<br>(1105 x 889 x 889)      | 313/270 (142/123)              |
| HCH636GKA2   | 3           | 36,000         | 23.7                  | 40                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)      | 313/270 (142/123)              |
| HCH648GKA1   | 4           | 48,000         | 34.8                  | 50                   | 46-7/8 x 35 x 35<br>(1191 x 889 x 889)      | 345/302 (157/137)              |
| HCH648GKA2   | 4           | 48,000         | 29.8                  | 50                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)      | 345/302 (157/137)              |
| HCH660GKA1   | 5           | 60,000         | 30.1                  | 50                   | 46-7/8 x 35 x 35<br>(1191 x 889 x 889)      | 369/323 (167/147)              |
| HCH660GKA2   | 5           | 60,000         | 37.5                  | 60                   | 46-7/8 x 35 x 35<br>(1191 x 889 x 889)      | 369/323 (167/147)              |

# HSH6

## 16.0 SEER Single-Stage Heat Pump with Observer® Communicating Control System

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



Recommended  
(Sold separately)



### Refrigeration Circuit

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter drier supplied with every unit for field installation
- Integrated solid-state control with Time-Temperature Defrost
- External high- and low-refrigerant service ports
- Copper tube/aluminum fin coil

### Performance

- Communicating, self-configuring operation when used with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Easy access service valves on all models
- Innovative control box design
- High- and low-pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty (when installed with Observer Wall Control)
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)     | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| HSH618GKA    | 1-1/2       | 18,000         | 13.6                  | 20                   | 31-3/16 x 31-3/16 x 35-1/2<br>(793 x 793 x 902) | 213/181 (97/82)                |
| HSH624GKA    | 2           | 24,000         | 15.5                  | 25                   | 35 x 35 x 33-5/8<br>(889 x 889 x 854)           | 232/194 (105/88)               |
| HSH630GKA    | 2-1/2       | 30,000         | 19.9                  | 30                   | 35 x 35 x 33-5/8<br>(889 x 889 x 854)           | 267/229 (121/104)              |
| HSH636GKA    | 3           | 36,000         | 21.6                  | 35                   | 35 x 35 x 33-5/8<br>(889 x 889 x 854)           | 275/237 (125/108)              |
| HSH642GKA    | 3-1/2       | 42,000         | 27.8                  | 40                   | 35 x 35 x 33-5/8<br>(889 x 889 x 854)           | 293/255 (133/116)              |
| HSH648GKA    | 4           | 48,000         | 31.8                  | 45                   | 35 x 35 x 33-5/8<br>(889 x 889 x 854)           | 298/260 (135/118)              |
| HSH660GKA    | 5           | 60,000         | 33.9                  | 50                   | 35 x 35 x 47-3/16<br>(889 x 889 x 1199)         | 363/317 (165/144)              |



Recommended  
(Sold separately)

# HSH5

## Up to 15.0 SEER Single-Stage Heat Pump with Observer® Communicating Control System

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter drier supplied with every unit for field installation
- Integrated solid-state control with Time-Temperature Defrost
- External high- and low-refrigerant service ports
- Copper tube/aluminum fin coil

### Performance

- Communicating, self-configuring operation when used with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Easy access service valves on all models
- Innovative control box design
- High- and low-pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)      | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|--|--------------------------------|
| HSH518GKA    | 1-1/2       | 18,000         | 11.8                  | 20                   | 28-9/16 x 31-3/16 x 31-3/16<br>(726 x 792 x 792) | 219/184 (99/83)                |
| HSH524GKA    | 2           | 24,000         | 16.5                  | 25                   | 33-5/16 x 35 x 35<br>(846 x 889 x 889)           | 257/215 (117/98)               |
| HSH530GKA    | 2-1/2       | 30,000         | 18.1                  | 30                   | 33-5/16 x 35 x 35<br>(846 x 889 x 889)           | 259/218 (117/99)               |
| HSH536GKA    | 3           | 36,000         | 22.1                  | 35                   | 36-11/16 x 35 x 35<br>(932 x 889 x 889)          | 273/230 (124/104)              |
| HSH542GKA    | 3-1/2       | 42,000         | 27.6                  | 40                   | 29-7/8 x 35 x 35<br>(760 x 889 x 889)            | 305/263 (135/119)              |
| HSH548GKA    | 4           | 48,000         | 28.5                  | 40                   | 33-5/16 x 35 x 35<br>(846 x 889 x 889)           | 323/279 (146/126)              |
| HSH560GKA    | 5           | 60,000         | 34.2                  | 50                   | 40-1/8 x 35 x 35<br>(1019 x 889 x 889)           | 357/314 (162/142)              |

# HSH4

## 14.0 SEER Single-Stage Heat Pump with Observer® Communicating Control System

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



Recommended  
(Sold separately)



### Refrigeration Circuit

- Copeland Scroll™ UltraTech™ compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter drier supplied with every unit for field installation
- Integrated solid-state control with Time-Temperature Defrost
- External high- and low-refrigerant service ports
- Copper tube/aluminum fin coil

### Built to Last

- High-gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)
- Corner posts for extra strength and style

### Performance

- Communicating, self-configuring operation when used with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Compressor sound blanket standard
- Isolation compressor grommets

### Warranty\*

- Three-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty (including compressor and coil) – With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Easy-to-Install and Service

- Text based diagnostics with Observer Communicating Wall Control
- Easy access service valves on all models
- Innovative control box design
- High- and low-pressure switches
- Only two screws to access control panel
- Factory charged with R-410A refrigerant



### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)    | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|--|--------------------------------|
| HSH418GKA    | 1-1/2       | 18,000         | 11.8                  | 20                   | 28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793) | 219/184 (99/84)                |
| HSH424GKA    | 2           | 24,000         | 17.6                  | 25                   | 28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793) | 195/164 (89/73)                |
| HSH430GKA    | 2-1/2       | 30,000         | 18.3                  | 30                   | 28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793) | 216/182 (98/83)                |
| HSH436GKA    | 3           | 36,000         | 20.0                  | 30                   | 28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793) | 228/194 (103/88)               |
| HSH442GKA    | 3-1/2       | 42,000         | 24.0                  | 40                   | 28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793) | 252/221 (114/100)              |
| HSH448GKA    | 4           | 48,000         | 25.2                  | 40                   | 28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793) | 252/221 (114/100)              |
| HSH460GKA    | 5           | 60,000         | 32.0                  | 50                   | 28-11/16 x 31-3/16 x 31-3/16 (729 x 793 x 793) | 267/236 (121/107)              |



# N4H6

Efficient Up to 17.5 SEER Heat Pump  
Environmentally Balanced R-410A Refrigerant

2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase

## Refrigeration Circuit

- Two-stage scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High- and low-pressure switches
- Copper tube/aluminum fin coil

## Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection

## Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

## Warranty\*

- Five-year compressor limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

## Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm) | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| N4H624GKA    | 2           | 24,000         | 16.2                  | 25                   | 38-7/8 x 35 x 35<br>(988 x 889 x 889)       | 277/233 (126/106)              |
| N4H636GKA    | 3           | 36,000         | 23.7                  | 40                   | 38-7/8 x 35 x 35<br>(988 x 889 x 889)       | 289/245 (131/111)              |
| N4H648GKA    | 4           | 48,000         | 29.5                  | 50                   | 38-7/8 x 35 x 35<br>(988 x 889 x 889)       | 315/271 (143/123)              |
| N4H660GKA    | 5           | 60,000         | 37.5                  | 60                   | 45-11/16 x 35 x 35<br>(1161 x 889 x 889)    | 340/294 (154/133)              |

# NXH6

## High-Efficiency 16.0 SEER Heat Pump Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter drier included for field installation
- Integrated solid-state control with Time-Temperature Defrost
- High- and low-pressure switches
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)     | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| NXH618GKA    | 1-1/2       | 18,000         | 13.6                  | 20                   | 35-1/2 x 31-3/16 x 31-3/16<br>(901 x 793 x 793) | 199/167 (90/76)                |
| NXH624GKA    | 2           | 24,000         | 15.5                  | 25                   | 32-1/16 x 35 x 35<br>(815 x 889 x 889)          | 210/172 (95/78)                |
| NXH630GKA    | 2-1/2       | 30,000         | 19.9                  | 30                   | 32-1/16 x 35 x 35<br>(815 x 889 x 889)          | 245/207 (111/94)               |
| NXH636GKA    | 3           | 36,000         | 21.6                  | 35                   | 32-1/16 x 35 x 35<br>(815 x 889 x 889)          | 253/215 (115/98)               |
| NXH642GKA    | 3-1/2       | 42,000         | 27.8                  | 40                   | 32-1/16 x 35 x 35<br>(815 x 889 x 889)          | 271/233 (123/106)              |
| NXH648GKA    | 4           | 48,000         | 31.8                  | 45                   | 32-1/16 x 35 x 35<br>(815 x 889 x 889)          | 276/238 (125/108)              |
| NXH660GKA    | 5           | 60,000         | 33.9                  | 50                   | 45-11/16 x 35 x 35<br>(1161 x 889 x 889)        | 334/288 (152/131 )             |



# NXH5

## High-Efficiency Up to 15.0 SEER Heat Pump Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter drier included for field installation
- Integrated solid-state control with Time-Temperature Defrost
- High- and low-pressure switches
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

### Warranty\*

- Five-year parts limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| NXH518GKA    | 1-1/2       | 18,000         | 11.8                  | 20                   | 28-15/16 x 31-3/16 x 31-3/16<br>(735 x 792 x 792) | 207/169 (94/77)                |
| NXH524GKA    | 2           | 24,000         | 16.5                  | 25                   | 32-5/16 x 35 x 35<br>(821 x 889 x 889)            | 233/200 (106/91)               |
| NXH530GKA    | 2-1/2       | 30,000         | 18.1                  | 30                   | 32-5/16 x 35 x 35<br>(821 x 889 x 889)            | 242/196 (110/89)               |
| NXH536GKA    | 3           | 36,000         | 22.1                  | 35                   | 35-3/4 x 35 x 35<br>(908 x 889 x 889)             | 257/215 (117/98)               |
| NXH537GKA    | 3           | 36,000         | 22.1                  | 35                   | 35-3/4 x 35 x 35<br>(908 x 889 x 889)             | 297/255 (135/116)              |
| NXH542GKA    | 3-1/2       | 42,000         | 27.6                  | 40                   | 28-15/16 x 35 x 35<br>(735 x 889 x 889)           | 290/245 (132/111)              |
| NXH548GKA    | 4           | 48,000         | 28.5                  | 40                   | 28-15/16 x 35 x 35<br>(735 x 889 x 889)           | 303/260 (137/118)              |
| NXH560GKA    | 5           | 60,000         | 34.2                  | 50                   | 39-1/8 x 35 x 35<br>(994 x 889 x 889)             | 345/294 (157/133)              |

# N4H4

## Efficiency 14.0 SEER Heat Pump Environmentally Sound R-410A Refrigerant



1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Scroll compressors on all models
- Suction line accumulator factory installed
- Integrated solid state control with Time-Temperature Defrost
- High- and low-pressure switches
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Painted cabinet finish over galvanized steel
- Models available with coated inlet grille with 3/8" (10mm) spacing grille

### Warranty\*

- Five-year compressor limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| N4H418GKG    | 1-1/2       | 18,000         | 11.8                  | 20                   | 35-1/4 x 23-1/8 x 23-1/8<br>(899 x 587 x 587)     | 166/136 (75/61)                |
| N4H424GKG    | 2           | 24,000         | 14.2                  | 25                   | 35-1/4 x 25-3/4 x 25-3/4<br>(895 x 654 x 654)     | 175/144 (79/65)                |
| N4H430GKG    | 2-1/2       | 30,000         | 16.9                  | 30                   | 31-13/16 x 31-3/16 x 31-3/16<br>(808 x 792 x 792) | 180/158 (82/72)                |
| N4H436GKG    | 3           | 36,000         | 20.0                  | 30                   | 28-7/16 x 31-3/16 x 31-3/16<br>(722 x 792 x 792)  | 201/170 (91/77)                |
| N4H442GKG    | 3-1/2       | 42,000         | 24.0                  | 40                   | 39-1/8 x 31-3/16 x 31-3/16<br>(994 x 792 x 792)   | 235/201 (107/91)               |
| N4H448GKG    | 4           | 48,000         | 25.2                  | 40                   | 28-7/16 x 31-3/16 x 31-3/16<br>(722 x 792 x 792)  | 232/197 (105/89)               |
| N4H460GKG    | 5           | 60,000         | 32.0                  | 50                   | 31-13/16 x 31-3/16 x 31-3/16<br>(808 x 792 x 792) | 248/212 (113/96)               |





# N4H4-C

**Coastal 14.0 SEER Heat Pump  
14.0 SEER/11.5-11.7 EER/8.2 HSPF R-410A Refrigerant**

**2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz**

## Refrigeration Circuit

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter drier included for field installation
- Integrated solid-state control with Time-Temperature Defrost
- High- and low-pressure switches
- Copper tube/aluminum fin coil

## Built to Last

- Baked-on powder coat finish on all sides
- Corrosion protection epoxy phenolic coated aluminum fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection (hail guard)

## Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

## Warranty\*

- Five-year compressor limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

## Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)      | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|--|--------------------------------|
| N4H418CKG    | 1-1/2       | 18,000         | 12.4                  | 20                   | 35-3/4 x 25-3/4 x 25-3/4<br>(895 x 654 x 654)    | 162/136 (73/61)                |
| N4H424CKG    | 2           | 24,000         | 14.7                  | 25                   | 38-7/8 x 31-3/16 x 31-3/16<br>(988 x 792 x 792)  | 195/160 (89/72)                |
| N4H430CKG    | 2-1/2       | 30,000         | 18.3                  | 30                   | 28-7/16 x 31-3/16 x 31-3/16<br>(722 x 792 x 792) | 196/162 (89/73)                |
| N4H436CKG    | 3           | 36,000         | 21.5                  | 35                   | 32-1/16 x 31-3/16 x 31-3/16<br>(815 x 792 x 792) | 225/189 (102/86)               |
| N4H442CKG    | 3-1/2       | 42,000         | 31.2                  | 50                   | 28-7/16 x 31-3/16 x 31-3/16<br>(722 x 792 x 792) | 237/203 (108/92)               |
| N4H448CKG    | 4           | 48,000         | 28.0                  | 40                   | 35-1/2 x 31-3/16 x 31-3/16<br>(901 x 792 x 792)  | 259/223 (117/101)              |
| N4H460CKG    | 5           | 60,000         | 32.5                  | 50                   | 38-7/8 x 31-3/16 x 31-3/16<br>(988 x 792 x 792)  | 269/233 (122/106)              |

# NH4H4

**14.0 SEER Horizontal Discharge Heat Pump  
For Use with Ducted Indoor Units  
Environmentally Sound R-410A Refrigerant  
1-1/2 – 5 Tons Split System, 208 / 230 Volt, Single-Phase**



## Refrigeration Circuit

- 14.0-16.0 SEER/11.0-13.0 EER/8.2-9.0 HSPF
- Scroll compressors on all models
- Factory-supplied filter-drier
- High- and low-pressure switches
- Line lengths up to 250 feet (76.2m)
- Accumulator

## Easy-to-Install and Service

- Small footprint
- Easy access service valves on all models
- Factory charged with R-410A refrigerant

## Built to Last

- Low-ambient operation (down to 0°F/-17.8°C)
- Ball bearing fan motor

## Warranty\*

- Five-year compressor limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

## Unit Performance Data

| Model Number        | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)      | Ship/Operating Weight lbs (kg) |
|---------------------|-------------|----------------|-----------------------|----------------------|--|--------------------------------|
| <b>208/230-1-60</b> |             |                |                       |                      |  |                                |
| NH4H418AKA          | 1-1/2       | 18,000         | 11.8                  | 20                   | 25-1/8 x 36-15/16 x 14-9/16<br>(638 x 938 x 370) | 170/150 (77/68)                |
| NH4H424AKA          | 2           | 24,000         | 16.5                  | 25                   | 31-1/8 x 36-15/16 x 14-9/16<br>(790 x 938 x 370) | 181/161 (82/73)                |
| NH4H430AKA          | 2-1/2       | 30,000         | 17.2                  | 30                   | 37-1/8 x 44-1/2 x 17-1/16<br>(943 x 1130 x 433)  | 226/196 (89/103)               |
| NH4H436AKA          | 3           | 36,000         | 19.0                  | 30                   | 37-1/8 x 44-1/2 x 17-1/16<br>(943 x 1130 x 433)  | 197/227 (103/89)               |
| NH4H448AKA          | 4           | 48,000         | 28.8                  | 50                   | 43-1/8 x 44-1/2 x 17-1/16<br>(1095 x 1130 x 433) | 276/246 (125/112)              |
| NH4H460AKA          | 5           | 60,000         | 33.4                  | 50                   | 43-1/8 x 44-1/2 x 17-1/16<br>(1095 x 1130 x 433) | 288/258 (131/117)              |



# R4H4

## High-Efficiency 14.0 SEER Heat Pump Environmentally Balanced R-410A Refrigerant

1-1/2 – 5 Tons Split System  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Scroll compressors on all models
- Suction line accumulator factory installed
- Integrated solid-state control with Time-Temperature Defrost
- High- and low-pressure switches
- Copper tube/aluminum fin coil

### Easy-to-Install and Service

- Easy access service valves on all models
- External high- and low-refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### Built to Last

- Painted cabinet finish over galvanized steel
- Coated inlet grille with 3/8" (10mm) spacing for extra protection

### Warranty\*

- Five-year compressor limited warranty
- Five-year compressor limited warranty (including compressor and coil)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coil)

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions H x W x D (sq) in (mm)       | Ship/Operating Weight lbs (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|---|--------------------------------|
| R4H418AKC    | 1-1/2       | 18,000         | 11.8                  | 20                   | 35-1/16 x 23-1/8 x 23-1/8<br>(891 x 587 x 587)    | 166/136 (75/61)                |
| R4H418GKC    | 1-1/2       | 18,000         | 11.8                  | 20                   | 35-1/16 x 23-1/8 x 23-1/8<br>(891 x 587 x 587)    | 166/136 (75/61)                |
| R4H424AKC    | 2           | 24,000         | 14.2                  | 25                   | 35-1/2 x 25-3/4 x 25-3/4<br>(901 x 654 x 654)     | 175/144 (79/65)                |
| R4H424GKC    | 2           | 24,000         | 14.2                  | 25                   | 35-1/2 x 25-3/4 x 25-3/4<br>(901 x 654 x 654)     | 175/144 (79/65)                |
| R4H430AKC    | 2-1/2       | 30,000         | 18.3                  | 30                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 180/158 (82/72)                |
| R4H430GKC    | 2-1/2       | 30,000         | 18.3                  | 30                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 180/158 (82/72)                |
| R4H436AKC    | 3           | 36,000         | 20.0                  | 30                   | 28-1/4 x 31-3/16 x 31-3/16<br>(630 x 792 x 792)   | 201/170 (91/77)                |
| R4H436GKC    | 3           | 36,000         | 20.0                  | 30                   | 28-1/4 x 31-3/16 x 31-3/16<br>(630 x 792 x 792)   | 201/170 (91/77)                |
| R4H442AKC    | 3-1/2       | 42,000         | 24.0                  | 40                   | 38-7/16 x 31-3/16 x 31-3/16<br>(977 x 792 x 792)  | 235/201 (107/91)               |
| R4H442GKC    | 3-1/2       | 42,000         | 24.0                  | 40                   | 38-7/16 x 31-3/16 x 31-3/16<br>(977 x 792 x 792)  | 235/201 (107/91)               |
| R4H448AKC    | 4           | 48,000         | 25.2                  | 40                   | 28-1/4 x 31-3/16 x 31-3/16<br>(718 x 792 x 792)   | 232/197 (105/89)               |
| R4H448GKC    | 4           | 48,000         | 25.2                  | 40                   | 28-1/4 x 31-3/16 x 31-3/16<br>(718 x 792 x 792)   | 232/197 (105/89)               |
| R4H460AKC    | 5           | 60,000         | 32.0                  | 50                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 248/212 (113/96)               |
| R4H460GKC    | 5           | 60,000         | 32.0                  | 50                   | 31-11/16 x 31-3/16 x 31-3/16<br>(804 x 792 x 792) | 248/212 (113/96)               |

A = 2" (51 mm) spacing inlet grille G = 3/8" (10 mm) spacing inlet grille

Specifications subject to change without notice.

# Accessories

## Residential Heat Pumps

| HSH6, HSH5, HSH4, N4H6, NXH6, NXH5, N4H4, R4H4 |   |                              |                        |
|--|---|------------------------------|------------------------|
| Part Number                                    | Description   | Model                        | Used on Size           |
| NASA00501CH                                    | Crankhouse Heater for Scroll Compressor (208/230 V)<br>(factory installed on some models) | HSH6                         | 42, 48                 |
|  |   | HSH5                         | 36, 42                 |
|  |   | HSH4                         | 42, 60                 |
|  |   | NXH5                         | 42                     |
| NASA00601CH                                    | Crankhouse Heater for Scroll Compressor (208/230 V)<br>(factory installed on some models) | N4H4-C                       | 24, 30, 36, 42         |
|  |   | HSH6                         | 18, 24, 30             |
|  |   | HSH5                         | 18, 24, 30             |
|  |   | HSH4                         | 18, 24, 30             |
| NASA001CH                                      | Crankhouse Heater for Scroll Compressor<br>(single-phase, 208/230 V)                      | NXH5                         | 24                     |
|  |   | N4H4-C                       | 48, 60                 |
|  |   | N4H4-G                       | 42, 48, 60             |
|  |   | R4H4                         | 42, 48, 60             |
| NASA003CH                                      | Crankhouse Heater for Scroll Compressor<br>(single-phase, 208/230 V)                      | NXH6, NXH5                   | 48, 60                 |
|  |   | N4H4-C                       | 18                     |
|  |   | N4H4-G                       | 18, 24, 30, 36         |
|  |   | R4H4                         | 18, 24, 30, 36         |
| NASA003SC                                      | Hard Start Kit<br>(single-phase units only)   | N4H6                         | 24, 36                 |
|  |   | NXH5                         | 18, 30, 36             |
|  |   | HSH6                         | 36, 60                 |
|  |   | N4H4-C                       | 18                     |
| NASA005SC                                      | Hard Start Kit  | N4H4-G                       | ALL                    |
|  |   | R4H4                         | ALL                    |
|  |   | N4H6                         | ALL                    |
|  |   | NXH6                         | 36, 60                 |
| NASA007SC                                      | Hard Start Kit  | NXH5                         | 18, 30, 36             |
|  |   | N4H4-C                       | 24, 30, 36, 42, 48, 60 |
| NASA014SC                                      | Hard Start Kit (Capacitor & Relay)  | HSH4                         | 42, 48, 60             |
| NASA001SJ                                      | Sound Jacket, Compressor<br>(factory installed on some models)                            | HSH6, NXH6                   | 18, 24, 30, 42, 48     |
|  |   | N4H4-C                       | 18, 24, 30, 36, 42, 48 |
|  |   | HSH4                         | 48                     |
|  |   | N4H6                         | 36, 48                 |
|  |   | NXH5                         | ALL                    |
| NASA002SJ                                      | Sound Jacket, Compressor<br>(factory installed on some models)                            | N4H4-G, R4H4                 | 36, 42, 48             |
|  |   | N4H6                         | 24                     |
| NASA003SJ                                      | Sound Jacket, Compressor<br>(factory installed on some models)                            | N4H4-G, R4H4                 | 18, 24, 30             |
|  |   | N4H4-C, N4H4-G<br>R4H4, N4H6 | 60                     |
| NASA00201SJ                                    | Sound Jacket, Compressor  | HSH4                         | 42, 60                 |
| NASA00101SJ                                    | Sound Jacket, Compressor  | NXH6                         | 18, 24, 30, 36         |
| NASA00101SJ                                    | Sound Jacket, Compressor  | NXH6                         | 42, 48, 60             |

Some accessories may be factory installed. Refer to product specifications for exact accessory match.

# Accessories

## Residential Heat Pumps

| HSH6, HSH5, HSH4, N4H6, NXH6, NXH5, N4H4, R4H4 – Continued |  |                                 |                                 |
|--|--|---------------------------------|---------------------------------|
| Part Number  | Description  | Model                           | Used on Size                    |
| TSTAT0201CW  | Observer® Self-Configuring Communicating Wi-Fi® Wall Control | HSH6                            | ALL                             |
|  |  | HSH5, HSH4                      |                                 |
| NAEB40501TX  | TXV Kit, R-410A - for use with aluminum piston coils         | ALL                             | 18, 24, 30                      |
|  |  | N4H7                            | 24                              |
| NAEB40601TX  | TXV Kit, R-410A - for use with aluminum piston coils         | ALL                             | 36, 42                          |
|  |  | HSH4, N4H7                      | 36                              |
| NAEB40701TX  | TXV Kit, R-410A - for use with aluminum piston coils         | HSH4                            | 42, 48, 60                      |
|  |  | ALL                             | 48, 60                          |
| NAEA40501TX  | TXV Kit, R-410A - for use with copper or tin piston coils    | ALL                             | 18, 24, 30                      |
| NAEA40601TX  |  | ALL                             | 36, 42                          |
| NAEA40701TX  |  | ALL                             | 48, 60                          |
| NASA00201FS  | Evaporator Freeze Thermostat                                 |                                 | ALL                             |
| NASA001LS  | Liquid Line Solenoid Valve, HP, R-22 or R-410A               |                                 | ALL                             |
| NASA401LS  | Liquid Line Solenoid Valve, HP, R-22 or R-410A               |                                 | ALL HSH4                        |
| NASA001TD  | Time Delay Relay, Indoor Blower                              |                                 | ALL                             |
| NASA001AC  | Anti-Cycle Timer (5-minute delay)                            |                                 | ALL                             |
| NASA001SC  | Start Component - PTC Device                                 |                                 | ALL                             |
| NASA401LA  | Low-Ambient Pressure Switch                                  |                                 | ALL                             |
| NASA00101IK  | Low-Ambient Isolation Relay Kit                              |                                 | ALL                             |
| NASA001SF  | Support Feet, 4" (102 mm) tall (4 blocks)                    |                                 | 31-1/4" and 35" Width Units     |
| NASA00201SF  | Support Feet, 4" (102 mm) tall (5 blocks)                    |                                 | 23-1/8" and 25-3/4" Width Units |
| HCH624-60GKA1 (R-410A Two-Stage Communicating Heat Pump)   |  |                                 |                                 |
| Part Number  | Description  | Used on Model Size              |                                 |
| NASA001LS  | Liquid Line Solenoid Valve, R-410A                           | ALL                             |                                 |
| NASA001TD  | Time Delay Relay, Indoor Blower                              | ALL                             |                                 |
| NASA001SF  | Support Feet, 4" (102 mm) tall (4 blocks)                    | 31-1/4" and 35" Width Units     |                                 |
| NASA00201SF  | Support Feet, 4" (102 mm) tall (5 blocks)                    | 23-1/8" and 25-3/4" Width Units |                                 |
| NASA010SC  | Hard Start Kit   | 24                              |                                 |
| NASA011SC  | Hard Start Kit   | 36                              |                                 |
| NASA012SC  | Hard Start Kit   | 48                              |                                 |
| NASA013SC  | Hard Start Kit   | 60                              |                                 |
| TSTAT0201CW  | Observer® Self-Configuring Communicating Wi-Fi® Wall Control | ALL                             |                                 |
| HCH624-60GKA2/3 (R-410A Two-Stage Communicating Heat Pump) |  |                                 |                                 |
| NASA401LS  | Liquid Line Solenoid Valve, R-410A                           | ALL                             |                                 |
| NASA001TD  | Time Delay Relay, Indoor Blower                              | ALL                             |                                 |
| NASA001SF  | Support Feet, 4" (102 mm) tall (4 blocks)                    | 31-1/4" and 35" Width Units     |                                 |
| NASA00201SF  | Support Feet, 4" (102 mm) tall (5 blocks)                    | 23-1/8" and 25-3/4" Width Units |                                 |
| NASA012SC  | Hard Start Kit   | 24, 36                          |                                 |
| NASA015SC  | Hard Start Kit   | 48, 60                          |                                 |
| TSTAT0201CW  | Observer® Self-Configuring Communicating Wi-Fi® Wall Control | ALL                             |                                 |

Some accessories may be factory installed. Refer to product specifications for exact accessory match.

# Accessories

## Residential Heat Pumps

| HVH8 (R-410A, Five-Stage Communicating Heat Pump) |  |                        |
|---|--|------------------------|
| Part Number                                       | Description  | Used on Model Size     |
| TSTAT0201CW                                       | Observer® Self-Configuring Communicating Wi-Fi® Wall Control | ALL                    |
| NASA00201SF                                       | Support Feet, 4" (102 mm) tall                               | 24, 25, 36, 37, 48, 60 |
| NASA00201FS*                                      | Freeze Thermostat Kit  | ALL                    |
| NAEA40501TX                                       | TXV Kit, R-410A - for use with copper or tin piston coils    | 24, 25                 |
| NAEA40601TX                                       |  | 36, 37                 |
| NAEA40701TX                                       |  | 48, 60                 |
| NAEB40501TX                                       | TXV Kit, R-410A - for use with aluminum piston coils         | 24, 25                 |
| NAEB40601TX                                       |  | 36, 37                 |
| NAEB40701TX                                       |  | 48, 60                 |
| 1187979   | Vapor Line Muffler   | ALL                    |

\* Non-communicating

## Residential Ducted Horizontal Heat Pumps – NH4H4

| Kit Number  | Description                  | Unit Size (Voltage/Series) |     |     |     |     |     |     |     |     |     |     |     |
|-------------|------------------------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|             |                              | 18                         | 24  | 30  | 36  | 36  | 36  | 48  | 48  | 48  | 60  | 60  | 60  |
|             |                              | AKA                        | AKA | AKA | AKA | AHA | ALA | AKA | AHA | ALA | AKA | AHA | ALA |
| NASA00601CH | Crankcase Heater             | X                          | X   | S   | S   | S   | S   |     |     |     |     |     |     |
| NASA00501CH | Crankcase Heater             |                            |     |     |     |     |     | X   | X   |     | X   | X   |     |
| NASA00301CH | Crankcase Heater             |                            |     |     |     |     |     |     |     | X   |     |     | X   |
| NASA001SC   | PTC Start Assist             | X                          | X   | X   | X   |     |     | X   |     |     | X   |     |     |
| NASA00201FS | Evaporator Freeze Stat       | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA001TD   | Time Delay Relay             | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA00101IK | Isolation Relay              | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA401LA   | Low-Ambient Kit              | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA00101WB | Wind Baffle                  | X                          |     |     |     |     |     |     |     |     |     |     |     |
| NASA00201WB | Wind Baffle                  |                            | X   |     |     |     |     |     |     |     |     |     |     |
| NASA00301WB | Wind Baffle                  |                            |     | X   | X   | X   | X   |     |     |     |     |     |     |
| NASA00401WB | Wind Baffle                  |                            |     |     |     |     |     | X   | X   | X   | X   | X   | X   |
| NASA00101WM | Wall Mounting Kit            | X                          | X   |     |     |     |     |     |     |     |     |     |     |
| NASA00201WM | Wall Mounting Kit            |                            |     | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| 1177810     | Sound Blanket Kit            | X                          | X   | X   | X   | X   | X   |     |     |     |     |     |     |
| NASA001LS   | Solenoid Valve Kit           | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |
| NASA003SC   | Capacitor Relay Start Assist | X                          | X   | X   | X   |     |     | X   |     |     | X   |     |     |
| NASA001AC   | Cycle Protector              | X                          | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |

X = Accessory  
S = Standard

# 90% Condensing Gas Furnaces



# G9MAE

## Up to 98% AFUE Communicating, Modulating Gas Furnace



Recommended  
(Sold separately)



### Easier to Sell

- Up to 98% AFUE in upflow and horizontal positions
- Up to 96.7% AFUE in downflow
- Modulating heating operation (40% - 100% capacity)
- Observer® Communicating Control System
- Xtra SEER variable-speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

### Quieter

- Operates at quieter, lower heating rates
- Variable-speed induced draft combustion blower
- Variable-speed ECM blower motor
- Insulated steel cabinet

### Easy-to-Install and Service

- Direct vent (two-pipe) or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889 mm) high, for ease of installation and room for service
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least 12 different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Simple troubleshooting of gas valve
- Self-configuring and communicating control
- Slide out heat exchanger assembly and blower assembly

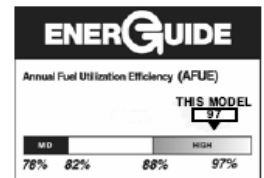
### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



Qualifying models only.



### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency Range AFUE |          | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Shipping Weight lbs (kg) |
|---------------|-----------------------|-----------------------|----------|--|---|--------------------------|
|               |                       | Upflow/Hz             | Downflow |  |   |                          |
| G9MAE0601714A | 60,000                | 97.0%                 | 95.0%    | 510-1335                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 154 (69)                 |
| G9MAE0602120A | 60,600                | 98.0%                 | 96.7%    | 510-1905                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 159 (70)                 |
| G9MAE0801714A | 80,000                | 97.0%                 | 95.0%    | 490-1375                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 164 (74)                 |
| G9MAE0802120A | 80,000                | 97.0%                 | 95.0%    | 750-1945                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 169 (77)                 |
| G9MAE1002122A | 100,000               | 97.0%                 | 95.0%    | 715-2160                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 179 (80)                 |
| G9MA1002422A  | 120,000               | 97.0%                 | 95.0%    | 885-2185                                       | 35 x 24-1/2 x 29-1/2 (889 x 622 x 750)      | 203 (91)                 |



# G9MVE

## Up to 96% AFUE, Communicating, Two-Stage Gas Furnace



Recommended  
(Sold separately)

### Easier to Sell

- Up to 96% AFUE, all models, all positions
- All models earn the ENERGY STAR®
- Series 'A2' approved for Twinning applications (0601714, 0801716, 1002120, and 1202422) with accessory (order separately)
- Series 'A4' (or greater) allow 15 Amp breaker (0802120, 1002120 and 1202422) with accessory (order separately)
- Two-stage heating operation
- Observer® Communicating Control System
- Xtra SEER variable-speed ECM blower motor
- Supports single- and two-stage cooling units
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor

### Quieter

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Variable-speed ECM blower motor
- Fully insulated steel cabinet

### Easy-to-Install and Service

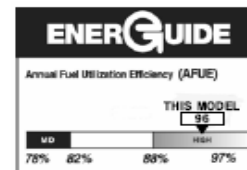
- Direct vent (two-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889 mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Self-configuring and communicating control
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency Range AFUE |          | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Shipping Weight lbs (kg) |
|---------------|-----------------------|-----------------------|----------|--|---|--------------------------|
|               |                       | Upflow/Hz             | Downflow |  |   |                          |
| G9MVE0401410A | 40,000                | 96.0%                 | 95.0%    | 440-905  | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 121 (54)                 |
| G9MVE0401712A | 40,000                | 96.0%                 | 95.0%    | 385-1065                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 131 (59)                 |
| G9MVE0601412A | 60,000                | 95.0%                 | 95.0%    | 420-1065                                       | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 132 (60)                 |
| G9MVE0601714A | 60,000                | 96.0%                 | 95.0%    | 435-1475                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 142 (64)                 |
| G9MVE0801716A | 80,000                | 96.0%                 | 95.0%    | 555-1610                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 152 (68)                 |
| G9MVE0802120A | 80,000                | 96.0%                 | 95.0%    | 440-2005                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 156 (71)                 |
| G9MVE1002120A | 100,000               | 96.0%                 | 95.0%    | 405-2005                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 166 (75)                 |
| G9MVE1202422A | 120,000               | 96.0%                 | 95.0%    | 480-2115                                       | 35 x 24-1/2 x 29-1/2 (889 x 622 x 750)      | 190 (86)                 |

# G9MXT

## Up to 96% AFUE Two-Stage, ECM Gas Furnace



### Easier to Sell

- Up to 96% AFUE in upflow and horizontal positions
- 95.0% AFUE in downflow
- California NOx approved
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for twinning applications (0601412 through 1202422) with accessory (order accessory)
- Dehumidification feature in cooling
- Electronic air cleaner terminal
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

### Quieter

- Operates at quieter, lower heating rates
- Two-speed induced draft combustion blower
- Insulated steel cabinet

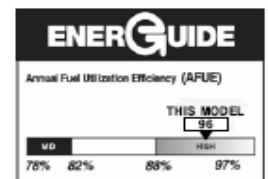
### Easy-to-Install and Service

- Direct vent (two-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- 35" (889 mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least 12 different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency Range AFUE |          | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Shipping Weight lbs (kg) |
|---------------|-----------------------|-----------------------|----------|--|---|--------------------------|
|               |                       | Upflow/Hz             | Downflow |  |   |                          |
| G9MXT0401410A | 40,000                | 96.0%                 | 95.0%    | 385-925  | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 125 (56)                 |
| G9MXT0401712A | 40,000                | 96.0%                 | 95.0%    | 330-1085                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 135 (61)                 |
| G9MXT0601412A | 60,000                | 96.0%                 | 95.0%    | 620-1090                                       | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 136 (62)                 |
| G9MXT0601714A | 60,000                | 96.0%                 | 95.0%    | 530-1505                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 146 (66)                 |
| G9MXT0801716A | 80,000                | 96.0%                 | 95.0%    | 920-1610                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 156 (70)                 |
| G9MXT0802120A | 80,000                | 96.0%                 | 95.0%    | 795-2015                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 161 (73)                 |
| G9MXT1002120A | 100,000               | 96.0%                 | 95.0%    | 1105-2110                                      | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 171 (77)                 |
| G9MXT1202422A | 120,000               | 96.0%                 | 95.0%    | 1215-2055                                      | 35 x 24-1/2 x 29-1/2 (889 x 622 x 750)      | 195 (88)                 |



# G9MXE

## Up to 96% AFUE, Single-Stage ECM Gas Furnace

### Easier to Sell

- Up to 96% AFUE in upflow and horizontal positions
- 95% AFUE in downflow position
- Xtra SEER ECM blower motor
- Supports single- and two-stage cooling units
- Approved for twinning applications (0601714 through 1202422) with accessory (order separately)
- Approved for manufactured housing/mobile home applications with accessory (order separately)
- Dehumidification feature in cooling
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

### Warranty\*

- One-year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Tougher

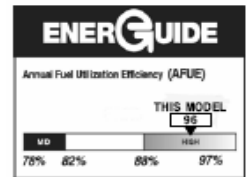
- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

### Quieter

- Insulated blower compartment

### Easy-to-Install and Service

- Direct vent (two-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889 mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least 12 different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly

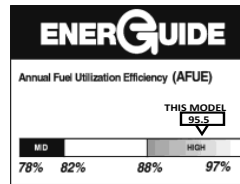


### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency Range AFUE |          | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Shipping Weight lbs (kg) |
|---------------|-----------------------|-----------------------|----------|--|---|--------------------------|
|               |                       | Upflow/Hz             | Downflow |  |   |                          |
| G9MXE0261410A | 26,000                | 96.0%                 | 95.0%    | 375-895  | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 118 (54)                 |
| G9MXE0401410A | 40,000                | 96.0%                 | 95.0%    | 385-925  | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 120 (54)                 |
| G9MXE0401712A | 40,000                | 96.0%                 | 95.0%    | 330-1085                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 135 (61)                 |
| G9MXE0601412A | 60,000                | 95.5%                 | 95.0%    | 620-1090                                       | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 136 (62)                 |
| G9MXE0601714A | 60,000                | 96.0%                 | 95.0%    | 530-1505                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 141 (63)                 |
| G9MXE0801716A | 80,000                | 96.0%                 | 95.0%    | 920-1610                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 151 (98)                 |
| G9MXE0802120A | 80,000                | 96.0%                 | 95.0%    | 796-2015                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 156 (71)                 |
| G9MXE102120A  | 100,000               | 96.0%                 | 95.0%    | 1105-2110                                      | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 166 (75)                 |
| G9MXE120422A  | 120,000               | 96.0%                 | 95.0%    | 1215-2055                                      | 35 x 24-1/2 x 29-1/2 (889 x 622 x 750)      | 190 (85)                 |

# N9MSE

## Up to 95.5% AFUE Single-Stage Gas Furnace



### Easier to Sell

- Up to 95.5% AFUE in upflow and horizontal positions
- Up to 95.0% AFUE in downflow position
- California NOx approved
- Certified to leak 2% or less of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed
- Approved for twinning applications (0601410 through 1202420) with accessory (order separately)
- Approved for manufactured housing/mobile home applications with accessory (order separately)

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

### Warranty\*

- 20-year heat exchanger limited warranty
- Five-year parts limited warranty – With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Easy-to-Install and Service

- Direct vent (two-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal and electronic air cleaner terminal
- 35" (889 mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least 12 different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly

### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency Range AFUE |          | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Shipping Weight lbs (kg) |
|---------------|-----------------------|-----------------------|----------|--|---|--------------------------|
|               |                       | Upflow/Hz             | Downflow |  |   |                          |
| N9MSE0261408A | 26,000                | 95.5%                 | 95.0%    | 440-775  | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 120 (54)                 |
| N9MSE0401410A | 40,000                | 95.5%                 | 95.0%    | 625-905  | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 123 (55)                 |
| N9MSE0401712A | 40,000                | 95.5%                 | 95.0%    | 620-1050                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 134 (61)                 |
| N9MSE0601410A | 60,000                | 95.5%                 | 95.0%    | 675-1130                                       | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 127 (57)                 |
| N9MSE0601714A | 60,000                | 95.5%                 | 95.0%    | 650-1420                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 144 (65)                 |
| N9MSE0801716A | 80,000                | 95.5%                 | 95.0%    | 810-1600                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 154 (69)                 |
| N9MSE0802120A | 80,000                | 95.5%                 | 95.0%    | 1335-1970                                      | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 162 (73)                 |
| N9MSE1002114A | 100,000               | 95.5%                 | 95.0%    | 915-1545                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 169 (76)                 |
| N9MSE1002120A | 100,000               | 95.5%                 | 95.0%    | 1345-2065                                      | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 169 (76)                 |
| N9MSE1202420A | 120,000               | 95.5%                 | 95.0%    | 1320-2105                                      | 35 x 24-1/2 x 29-1/2 (889 x 622 x 750)      | 186 (84)                 |
| N9MSE1402420A | 140,000               | 95.5%                 | 94.4%    | 1290-2035                                      | 35 x 24-1/2 x 29-1/2 (889 x 622 x 750)      | 190 (86)                 |

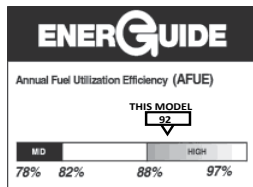


# N9MSB

## 92.1% AFUE, Single-Stage Gas Furnace

### Easier to Sell

- 92.1% AFUE, all models, all positions
- Approved for twinning applications (0601412 through 1202420) with accessory (order separately)
- Approved for manufactured housing/mobile home applications (0401410 through 1202420) with accessory (order separately)
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed



### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

### Warranty\*

- 20-year heat exchanger limited warranty
- Five-year parts limited warranty – With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Easy-to-Install and Service

- Direct vent (two-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889 mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least 12 different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly

### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency Range AFUE |          | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Shipping Weight lbs (kg) |
|---------------|-----------------------|-----------------------|----------|--|---|--------------------------|
|               |                       | Upflow/Hz             | Downflow |  |   |                          |
| N9MSB0401410C | 40,000                | 92.1%                 | 92.1%    | 595-970  | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 121 (55)                 |
| N9MSB0401712C | 40,000                | 92.1%                 | 92.1%    | 655-1140                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 125 (57)                 |
| N9MSB0601412C | 60,000                | 92.1%                 | 92.1%    | 645-1155                                       | 35 x 14-3/16 x 29-1/2 (889 x 361 x 750)     | 127 (57)                 |
| N9MSB0601716C | 60,000                | 92.1%                 | 92.1%    | 985-1505                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 142 (65)                 |
| N9MSB0801716B | 80,000                | 92.1%                 | 92.1%    | 760-1555                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 151 (69)                 |
| N9MSB0802120C | 80,000                | 92.1%                 | 92.1%    | 865-1885                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 159 (72)                 |
| N9MSB1002116C | 100,000               | 92.1%                 | 92.1%    | 890-1490                                       | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 166 (76)                 |
| N9MSB1002120C | 100,000               | 92.1%                 | 92.1%    | 1475-1970                                      | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 166 (76)                 |
| N9MSB1202420C | 120,000               | 92.1%                 | 92.1%    | 1450-2050                                      | 35 x 24-1/2 x 29-1/2 (889 x 622 x 750)      | 184 (84)                 |

# R9MSB

## 92.1% AFUE Single-Stage Gas Furnace



### Easier to Sell

- 92.1% AFUE, all models, all positions
- Approved for manufactured housing/mobile home applications with accessory (order separately)
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water column with all present air inlets, air outlets, and condensate drain port(s) sealed

### Tougher

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- High-quality, corrosion-resistant, one-piece steel cabinet

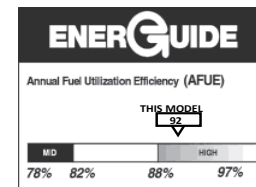
### Easy-to-Install and Service

- Direct vent (two-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal and electronic air cleaner terminal
- 35" (889 mm) high, for ease of installation
- Simplified, factory installed internal condensate drain system
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- At least 12 different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory kit (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger assembly and blower assembly

### Warranty\*

- 20-year heat exchanger limited warranty
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency Range AFUE |          | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Shipping Weight lbs (kg) |
|---------------|-----------------------|-----------------------|----------|--|---|--------------------------|
|               |                       | Upflow/Hz             | Downflow |  |   |                          |
| R9MSB0601716B | 60,000                | 92.1%                 | 92.1%    | 985-1505                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 142 (65)                 |
| R9MSB0801716A | 80,000                | 92.1%                 | 92.1%    | 760-1555                                       | 35 x 17-1/2 x 29-1/2 (889 x 445 x 750)      | 151 (69)                 |
| R9MSB1002120B | 100,000               | 92.1%                 | 92.1%    | 1475-1970                                      | 35 x 21 x 29-1/2 (889 x 533 x 750)          | 166 (76)                 |
| R9MSB1202420B | 120,000               | 92.1%                 | 92.1%    | 1450-2050                                      | 35 x 24-1/2 x 29-1/2 (889 x 622 x 750)      | 184 (84)                 |

# 80% Gas Furnaces



# G8MVL

## 80% AFUE Variable-Speed, Two-Stage Gas Furnace



Recommended  
(Sold separately)



### Easier to Sell

- 80% AFUE
- Series 'B' approved for Twinning applications (0902116, 1002122, and 1352422) with accessory (order separately)
- Supports two-stage cooling units
- Observer® Communicating Control System
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- California NOx approved

### Tougher

- Variable-speed ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece pre-painted steel cabinet

### Quieter

- Two-stage operation
- Two-stage induced draft blower
- In-shot burners
- Insulated blower compartment

### Easy-to-Install and Service

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- 20-year heat exchanger limited warranty
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Upflow/Hz | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Operating Weight lbs (kg) |
|---------------|-----------------------|-----------|--|---|---------------------------|
| G8MVL0451412B | 44,000                | 80.0%     | 410-1175                                       | 33-1/3 x 14-3/16 x 29<br>(847 x 360 x 737)  | 107 (49)                  |
| G8MVL0701716B | 66,000                | 80.0%     | 805-1685                                       | 33-1/3 x 17-1/2 x 29<br>(847 x 445 x 737)   | 126 (57)                  |
| G8MVL0902116B | 88,000                | 80.0%     | 725-1770                                       | 33-1/3 x 21 x 29<br>(847 x 533 x 737)       | 146 (66)                  |
| G8MVL1102122B | 110,000               | 80.0%     | 700-2230                                       | 33-1/3 x 21 x 29<br>(847 x 533 x 737)       | 152 (69)                  |
| G8MVL1352422B | 132,000               | 80.0%     | 920-2290                                       | 33-1/3 x 24-1/2 x 29<br>(847 x 622 x 737)   | 163 (74)                  |





# G8MTL

## 80% AFUE Two-Stage Gas Furnace

### Easier to Sell

- 80% AFUE
- Supports two-stage cooling units
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water gauge with all present air inlets, air outlets, and condensate drain port(s) sealed

### Tougher

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece pre-painted steel cabinet

### Quieter

- Two-stage operation
- Two-stage induced draft blower
- In-shot burners
- Blower compartment insulated

### Easy-to-Install and Service

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- 20-year heat exchanger limited warranty
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Upflow/Hz | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Operating Weight lbs (kg) |
|---------------|-----------------------|-----------|--|---|---------------------------|
| G8MTL0451412A | 44,000                | 80.0%     | 745-1175                                       | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 107 (49)                  |
| G8MTL0701412A | 66,000                | 80.0%     | 670-1240                                       | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 115 (52)                  |
| G8MTL0901714A | 88,000                | 80.0%     | 1065-1385                                      | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 127 (58)                  |
| G8MTL1102122A | 110,000               | 80.0%     | 1180-2235                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 152 (69)                  |

# N8MXL

## 80% AFUE Single-Stage Gas Furnace



### Easier to Sell

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- California NOx approved
- Cabinet air leakage less than 2.0% at 1.0 in. water column and cabinet air leakage less than 1.4% at 0.5 in. water column when tested in accordance with ASHRAE standard 193

### Tougher

- ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece pre-painted steel cabinet

### Quieter

- In-shot burners

### Easy-to-Install and Service

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Warranty\*

- 20-year heat exchanger limited warranty
- 10-year parts limited warranty with timely registration
- Five-year parts limited warranty if not registered within 90 days of original installation

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency AFUE | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Operating Weight lbs (kg) |
|---------------|-----------------------|-----------------|--|---|---------------------------|
| N8MXL0451412A | 44,000                | 80.0%           | 415-1080                                       | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 104 (47)                  |
| N8MXL0701712A | 66,000                | 80.0%           | 385-1005                                       | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 126 (57)                  |
| N8MXL0701716A | 66,000                | 80.0%           | 875-1435                                       | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 126 (57)                  |
| N8MXL0901714A | 88,000                | 80.0%           | 750-1210                                       | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 127 (58)                  |
| N8MXL0902116A | 88,000                | 80.0%           | 845-1445                                       | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 140 (64)                  |
| N8MXL0902120A | 88,000                | 80.0%           | 915-1980                                       | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 140 (64)                  |
| N8MXL1102120A | 110,000               | 80.0%           | 990-2040                                       | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 152 (69)                  |
| N8MXL1352420A | 132,000               | 80.0%           | 1025-1810                                      | 33-1/3 x 24-1/2 x 29 (847 x 622 x 737)      | 163 (74)                  |



# N8MSN, N8MSL

## 80% AFUE Single-Stage Gas Furnace

### Easier to Sell

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water gauge with all present air inlets, air outlets, and condensate drain port(s) sealed

### Warranty\*

- 20-year heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Tougher

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece pre-painted steel cabinet

### Quieter

- In-shot burners

### Easy-to-Install and Service

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency AFUE | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Operating Weight lbs (kg) |
|---------------|-----------------------|-----------------|--|---|---------------------------|
| N8MSN0451408A | 44,000                | 80.0%           | 580-835  | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 107 (49)                  |
| N8MSN0451412A | 44,000                | 80.0%           | 1040-1160                                      | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 107 (49)                  |
| N8MSN0701408A | 66,000                | 80.0%           | 595-870  | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 111 (50)                  |
| N8MSN0701412A | 66,000                | 80.0%           | 1050-1200                                      | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 115 (52)                  |
| N8MSN0701716A | 66,000                | 80.0%           | 1240-1505                                      | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 126 (57)                  |
| N8MSN0901714B | 88,000                | 80.0%           | 1065-1385                                      | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 127 (58)                  |
| N8MSN0902116A | 88,000                | 80.0%           | 1375-1635                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 140 (64)                  |
| N8MSN0902120A | 88,000                | 80.0%           | 1715-2025                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 146 (66)                  |
| N8MSN1101712A | 110,000               | 80.0%           | 1155-1355                                      | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 135 (61)                  |
| N8MSN1102116A | 110,000               | 80.0%           | 1310-1655                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 146 (66)                  |
| N8MSN1102122A | 110,000               | 80.0%           | 1650-2205                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 152 (69)                  |
| N8MSN1352116A | 132,000               | 80.0%           | 1380-1710                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 149 (68)                  |
| N8MSN1352422A | 132,000               | 80.0%           | 1705-2160                                      | 33-1/3 x 24-1/2 x 29 (847 x 622 x 737)      | 163 (74)                  |
| N8MSN1552420A | 154,000               | 80.0%           | 1695-2215                                      | 33-1/3 x 24-1/2 x 29 (847 x 622 x 737)      | 170 (77)                  |

# N8MSN, N8MSL con't

## 80% AFUE Single-Stage Gas Furnace

### Unit Performance Data

| Model Number          | Heating Input (MBTUH) | Efficiency AFUE | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Operating Weight lbs (kg) |
|-----------------------|-----------------------|-----------------|--|---|---------------------------|
| <b>Low NOx Models</b> |                       |                 |  |   |                           |
| N8MSL0451408A         | 44,000                | 80.0%           | 580-835  | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 107 (49)                  |
| N8MSL0451412A         | 44,000                | 80.0%           | 1040-1160                                      | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 107 (49)                  |
| N8MSL0701408A         | 66,000                | 80.0%           | 595-870  | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 111 (50)                  |
| N8MSL0701412A         | 66,000                | 80.0%           | 1050-1200                                      | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 115 (52)                  |
| N8MSL0701716A         | 66,000                | 80.0%           | 1240-1505                                      | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 126 (57)                  |
| N8MSL0901714B         | 88,000                | 80.0%           | 1065-1385                                      | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 127 (58)                  |
| N8MSL0902116A         | 88,000                | 80.0%           | 1375-1635                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 140 (64)                  |
| N8MSL0902120A         | 88,000                | 80.0%           | 1715-2025                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 146 (66)                  |
| N8MSL1101712A         | 110,000               | 80.0%           | 1155-1355                                      | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 135 (61)                  |
| N8MSL1102116A         | 110,000               | 80.0%           | 1310-1655                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 146 (66)                  |
| N8MSL1102122A         | 110,000               | 80.0%           | 1650-2205                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 152 (69)                  |
| N8MSL1352116A         | 132,000               | 80.0%           | 1380-1710                                      | 33-1/3 x 21 x 29 (847 x 533 x 737)          | 149 (68)                  |
| N8MSL1352422A         | 132,000               | 80.0%           | 1705-2160                                      | 33-1/3 x 24-1/2 x 29 (847 x 622 x 737)      | 163 (74)                  |
| N8MSL1552420A         | 154,000               | 80.0%           | 1695-2215                                      | 33-1/3 x 24-1/2 x 29 (847 x 622 x 737)      | 170 (77)                  |



# R8MXL

## 80% AFUE Single-Stage Gas Furnace

### Easier to Sell

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- California NOx approved
- Cabinet air leakage less than 2.0% at 1.0 in. water column and cabinet air leakage less than 1.4% at 0.5 in. water column when tested in accordance with ASHRAE standard 193

### Tougher

- ECM blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece pre-painted steel cabinet

### Quieter

- In-shot burners

### Easy-to-Install and Service

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position vent elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Warranty\*

- 20-year heat exchanger limited warranty
- 10-year parts limited warranty with timely registration
- Five-year parts limited warranty if not registered within 90 days of original installation

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency AFUE | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Operating Weight lbs (kg) |
|---------------|-----------------------|-----------------|--|---|---------------------------|
| R8MXL0451412A | 44,000                | 80.0%           | 415-1080                                       | 33-1/3 x 14-3/16 x 29 (847 x 360 x 737)     | 104 (47)                  |
| R8MXL0701712A | 66,000                | 80.0%           | 385-1005                                       | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 126 (57)                  |
| R8MXL0701716A | 66,000                | 80.0%           | 875-1435                                       | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 126 (57)                  |
| R8MXL0901714A | 88,000                | 80.0%           | 750-1210                                       | 33-1/3 x 17-1/2 x 29 (847 x 445 x 737)      | 127 (58)                  |
| R8MXL0902116A | 88,000                | 80.0%           | 845-1445                                       | 33-1/3 x 21 x 29 (847 x 553 x 737)          | 140 (64)                  |
| R8MXL0902120A | 88,000                | 80.0%           | 915-1980                                       | 33-1/3 x 21 x 29 (847 x 553 x 737)          | 140 (64)                  |
| R8MXL1102120A | 110,000               | 80.0%           | 990-2040                                       | 33-1/3 x 21 x 29 (847 x 553 x 737)          | 152 (69)                  |
| R8MXL1352420A | 132,000               | 80.0%           | 1025-1810                                      | 33-1/3 x 24-1/2 x 29 (847 x 622 x 737)      | 163 (74)                  |

# R8MSN, R8MSL

## 80% AFUE Single-Stage Gas Furnace



### Easier to Sell

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- Twinning furnaces of same heating and cooling sizes
- California NOx approved
- Certified 2% or less leakage of nominal air conditioning CFM delivered when pressurized to 1-inch water gauge with all present air inlets, air outlets, and condensate drain port(s) sealed

### Tougher

- PSC blower motor
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece prepainted steel cabinet

### Quieter

- In-shot burners

### Easy-to-Install and Service

- 33-1/3" (847mm) high, for ease of installation
- Innovative knobs for easy door removal and secure attachment
- Factory shipped for natural gas with propane gas conversion kits available
- Four position – upflow/downflow/horizontal (left/right) installation
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### Warranty\*

- 20-year heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number  | Heating Input (MBTUH) | Efficiency AFUE | Cooling Capacity CFM range @ .5 in wc (125 PA) | Operating Dimensions H x W x D (sq) in (mm) | Operating Weight lbs (kg) |
|---------------|-----------------------|-----------------|--|---|---------------------------|
| R8MSN0451412A | 44,000                | 80.0%           | 1040-1160                                      | 33-1/3 x 14-3/16 x 29<br>(847 x 360 x 737)  | 107 (49)                  |
| R8MSN0701412A | 66,000                | 80.0%           | 1050-1200                                      | 33-1/3 x 14-3/16 x 29<br>(847 x 360 x 737)  | 115 (52)                  |
| R8MSN0902120A | 88,000                | 80.0%           | 1715-2025                                      | 33-1/3 x 21 x 29<br>(847 x 533 x 737)       | 146 (66)                  |
| R8MSN1102122A | 110,000               | 80.0%           | 1650-2205                                      | 33-1/3 x 21 x 29<br>(847 x 533 x 737)       | 152 (69)                  |
| Low NOx       |                       |                 |  |   |                           |
| R8MSL0451412A | 44,000                | 80.0%           | 1040-1160                                      | 33-1/3 x 14-3/16 x 29<br>(847 x 360 x 737)  | 107 (49)                  |
| R8MSL0701412A | 66,000                | 80.0%           | 1050-1200                                      | 33-1/3 x 14-3/16 x 29<br>(847 x 360 x 737)  | 115 (52)                  |
| R8MSL0902120A | 88,000                | 80.0%           | 1715-2025                                      | 33-1/3 x 21 x 29<br>(847 x 533 x 737)       | 146 (66)                  |
| R8MSL1102122A | 110,000               | 80.0%           | 1650-2205                                      | 33-1/3 x 21 x 29<br>(847 x 533 x 737)       | 152 (69)                  |

# Accessories

## Gas Furnaces

| Model Number                                 | Description   | Used with Models  |
|--|---|---|
| <b>Twinning Kit</b>                          |   |   |
| NAHA00601WK                                  | Allows operation of two identical size model furnaces.                            | All G8MT and N8MS Models  |
| NAHA00701WK                                  | Allows operation of two identical size model furnaces.                            | G9MXT, G9MXE, N9MSB, N9MSE<br>060/080/100/120k Models                     |
| NAHA00801WK                                  | Allows operation of two identical size model furnaces.                            | G9MVE (A2 Series), G8MVL (B Series)<br>060/080/90/100/110/120/135k Models |
| <b>Gas Conversion Kits</b>                   |   |   |
| <b>Natural Gas to Propane Gas</b>            |   |   |
| NAHD00901LP                                  | Natural gas to propane conversion kit.<br>Allows field conversion to propane gas. | All N8MX, N8MS, G9MXE, N9MSE, N9MSB<br>Models                             |
| NAHB01001LP                                  | Natural gas to propane conversion kit.<br>Allows field conversion to propane gas. | All G8MVL, G8MTL,<br>G9MAE, G9MVE, G9MXT Models                           |
| NAHA01201LP                                  | Natural gas to propane conversion kit.<br>Allows field conversion to propane gas. | All 26K<br>G9MXE, N9MSE Models  |
| <b>Mobile Home Conversion Kit</b>            |   |   |
| NAHB0101MH                                   | Single-stage conversion kit   | G9MXE, N9MS<br>40,000 to 120,000 Models                                   |
| <b>Propane Gas to Natural Gas</b>            |   |   |
| NAHD00901NG                                  | Propane to natural gas conversion kit.<br>Allows field conversion to natural gas. | All N8MX, N8MS,<br>G9MXE, N9MSE, N9MSB Models                             |
| NAHB01001NG                                  | Propane to natural gas conversion kit.<br>Allows field conversion to natural gas. | All G8MVL, G8MTL,<br>G9MAE, G9MVE, G9MXT Models                           |
| NAHA01201NG                                  | Natural gas to propane conversion kit.<br>Allows field conversion to natural gas. | All 26K<br>G9MXE, N9MSE Models  |
| <b>Neutralizer Kit</b>                       |   |   |
| NAHA001NK<br>612833+                         | Condensate neutralizer kit for condensing gas furnaces.                           | All 90+ furnaces if required  |
| <b>Coil Adapter</b>                          |   |   |
| NAHB00101CA                                  | Coil Adapter Kit with no offset   | All G9MAE, G9MVE, G9MXT,<br>G9MXE, N9MSB, N9MSE                           |
| NAHB00201CA                                  | Coil Adapter Kit with single offset   | All G9MAE, G9MVE, G9MXT,<br>G9MXE, N9MSB, N9MSE                           |
| NAHB00301CA                                  | Coil Adapter Kit with double offset   | All G9MAE, G9MVE, G9MXT,<br>G9MXE, N9MSB, N9MSE                           |
| <b>Return Air Base (Upflow Applications)</b> |   |   |
| NAHA01401RA                                  | Return Air Kit 14.2" Wide   | All G9MAE, G9MVE, G9MXT,<br>G9MXE, N9MSB, N9MSE                           |
| NAHA01701RA                                  | Return Air Kit 17.5" Wide   | All G9MAE, G9MVE, G9MXT,<br>G9MXE, N9MSB, N9MSE                           |
| NAHA02101RA                                  | Return Air Kit 21" Wide   | All G9MAE, G9MVE, G9MXT,<br>G9MXE, N9MSB, N9MSE                           |
| NAHA02401RA                                  | Return Air Kit 24.5" Wide   | All G9MAE, G9MVE, G9MXT,<br>G9MXE, N9MSB, N9MSE                           |

+ Must be ordered from Service Parts

(A)=Series A, (B)=Series B, (C)=Series D and (D)=Series D

# Accessories

## Gas Furnaces

| Model Number       | Description                               | Used with Models                           |
|--------------------|---|--|
| <b>Filter Kits</b> |   |  |
| NAHB00501FF*       | Bottom return filter rack 14"             | All 14" G8M, N8MX, N8MS, G9M, N9MS         |
| NAHB00601FF*       | Bottom return filter rack 17"             | All 17" G8M, N8MX, N8MS, G9M, N9MS         |
| NAHA00506FB†       | Washable filter, 1-inch 16 x 25" (6 pack) | All 17" and 14" G8M, N8MX, N8MS, G9M, N9MS |
| NAHB00701FF*       | Bottom return filter rack 21"             | All 21" G8M, N8MX, N8MS, G9M, N9MS         |
| NAHB00801FF*       | Bottom return filter rack 24"             | All 24" G8M, N8MX, N8MS, G9M, N9MS         |
| NAHA00706FB        | Washable filter, 1-inch 24 x 25" (6 pack) | All 21" and 24" G8M, N8MX, N8MS, G9M, N9MS |
| NAHB00501FF        | External side return filter rack 16 x 25" | All G8M, N8MX, N8MS, G9M, N9MS             |

\* Washable filter included with rack † Suitable for side return filter rack and 17" external bottom filter rack

| Model Number                                 | Description   | Used with Models  |
|--|---|---|
| <b>Combustible Floor Subbases</b>            |   |   |
| NAHA01101SB                                  | Combustible Floor Subbase<br>(not required when evaporator coil case is use)                                | Counterflow G8M, N8MX, N8MS, G9M, N9MS                    |
| <b>High Altitude Kit and Pressure Switch</b> |   |   |
| NAHA00201HL                                  | High Altitude Kit   | G8MVL and G8MTL   |
| <b>Warning Label Replacement Kit</b>         |   |   |
| NAHB00301WL                                  | To replace warning and operating labels   | All G8M, N8MX, N8MS furnace                               |
| <b>Vent Kits</b>                             |   |   |
| NAHB00301VC                                  | Downflow vent guard<br>(not required when vent is routed through cabinet)                                   | All G8M, N8MX, N8MS furnaces in the downflow applications |
| NAHA00101VC                                  | Internal Vent Kit (through the cabinet)   | All G9M, N9MS furnaces                                    |
| NAHA00301VT                                  | 2" Direct Vent Termination Bracket  | All G9M, N9MS furnaces                                    |
| NAHA00401VT                                  | 3" Direct Vent Termination Bracket  | All G9M, N9MS furnaces                                    |
| NAHA00401CV<br>1011129+                      | 3" (76.2 mm) Concentric Vent Kit allows single wall penetration for two pipe direct vent applications (90+) | G9M, N9MS (see vent tables)                               |
| NAHA002CV                                    | 2" (50.8 mm) Concentric Vent Kit allows single wall penetration for two pipe direct vent applications (90+) | G9M, N9MS (see vent tables)                               |
| 1188419 (Fast No.)                           | Inlet Air Pipe Coupling for polypropylene vent systems  | All G9M, N9MS furnaces                                    |
| <b>Masonry Chimney Adapter</b>               |   |   |
| NAHA00301DH                                  | Chimney Adapter Kit 5"  | G8M, N8MX, N8MS<br>Greater than or equal to 135,000 Btuh  |
| NAHA00401DH                                  | Chimney Adapter Kit 4"  | G8M, N8MX, N8MS - Less than 135,000 Btuh                  |
| <b>Freeze Protection</b>                     |   |   |
| NAHA00101HH                                  | Condensate drain line protection  | All G9M, N9MS furnaces                                    |
| NAHA00201HH                                  | Condensate freeze protection  | All G9M, N9MS furnaces                                    |
| <b>Horizontal Installation Kit</b>           |   |   |
| NAHA00101HV                                  | Trap Grommet (direct vent application only)   | All G9M, N9MS furnaces                                    |
| <b>Drain Accessory Kit</b>                   |   |   |
| NAHA00110DA                                  | 1/2" CPVC to 3/4" PVC (10 pack)   | All G9M, N9MS furnaces                                    |
| NAHA00101CT                                  | External Drain Kit  | All G9M, N9MS furnaces                                    |
| <b>Motor Simulator Kit</b>                   |   |   |
| NAHA00101MS                                  | Motor Simulation Kit  | All G9MAE furnaces  |
| <b>Lower Amp Kit</b>                         |   |   |
| NAHA00101PC                                  | Lower Amp/Power Choke Kit for 5T and 5.5T ECM-PWM   | G9MVE 802120A4, 1002120A4, 1202422A4                      |

+ Must be ordered from Service Parts



# Oil Furnaces



# OUF

## Hi-Boy Upflow Oil Furnace



Available in Canada Only

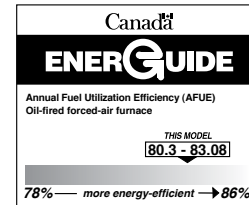
### Features

- Fan control switch for continuous low speed
- Accessory terminals pre-wired for easy add-on electronic air cleaner and power humidifier
- Air conditioning ready for easy add-on
- Large external front clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- Furnaces available with your choice of high-efficiency Riello or Beckett burners (Burners ordered and shipped separately)
- Test ports factory installed to provide efficient access for set-up and service
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Approved for 1" (25mm) clearance to combustibles for tight installations
- Ceramic combustion chamber withstands temperature of 2600° F (1427° C) with unique self aligning design
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Approved chimney or direct vent applications
- Efficient AFUE up to 86.1% Canada, 84.8% US
- Front flue (breach)

### Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

### Unit Performance Data

| Model Number | Input (MBTUH)     | Efficiency AFUE |             | Cooling Capacity @ .5 in wc (125 Pa) | Dimensions H x W x D* (sq) in (mm)       | Operating Weight lbs (kg) |
|--------------|-------------------|-----------------|-------------|--------------------------------------|--|---------------------------|
|              |                   | Canada          | US          |                                      |  |                           |
| OUF105A12C   | 70,000 - 105,000  | 80.9 - 86.1     | 79.4 - 84.8 | 2 - 3 ton                            | 48 x 21 x 23.4<br>(1219 x 533 x 594)     | 200 (91)                  |
| OUF160B18C   | 119,000 - 159,600 | 81.3 - 85.4     | 80.0 - 84.3 | 3.5 - 5 ton                          | 58-1/4 x 25 x 27.4<br>(1480 x 635 x 696) | 248 (112)                 |

\*Depth without the burner.

# OLF, OLR

## Lo-Boy Upflow Oil Furnace

Available in Canada Only



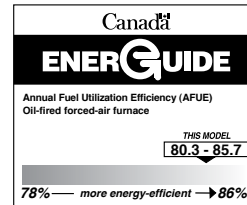
### Features

- Fan control switch for continuous fan operation
- Accessory terminals pre-wired for easy add-on electronic air cleaner and power humidifier
- Air conditioning ready for easy add-on
- Large external front clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port (some models only)
- Furnaces available with your choice of high-efficiency Riello or Beckett burners (Burners ordered and shipped separately)
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Approved for 1" (25mm) clearance to combustibles for tight installations
- Ceramic combustion chamber withstands temperature of 2600° F (1427° C) with unique self aligning design
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Approved chimney or some direct vent applications with accessories
- Efficient AFUE up to 85.7% Canada, 85.1% US
- OLF - Front flue (breach)
- OLR - Rear flue (breach)

### Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

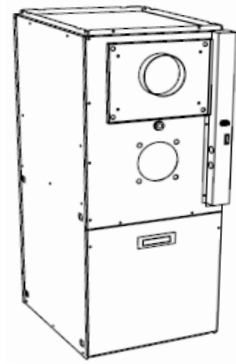
### Unit Performance Data

| Model Number | Input (MBTUH)     | Efficiency AFUE |             | Cooling Capacity @ .5 in wc (125 Pa) | Dimensions H x W x D* (sq) in (mm)    | Operating Weight lbs (kg) |
|--------------|-------------------|-----------------|-------------|--------------------------------------|---------------------------------------|---------------------------|
|              |                   | Canada          | US          |                                      |                                       |                           |
| OLR105A12D   | 70,000 - 105,000  | 83.7 - 86.8     | 80.5 - 85.7 | 1.5 - 3 ton                          | 32 x 21 x 43.4<br>(813 x 533 x 1102)  | 200 (91)                  |
| OLF105A12C   | 70,000 - 105,000  | 81.9 - 85.9     | 78.7 - 86.0 | 1.5 - 3 ton                          | 32 x 21 x 43.4<br>(813 x 533 x 1102)  | 207 (94)                  |
| OLR160B20C   | 119,000 - 159,600 | 80.4 - 85.1     | 78.7 - 83.1 | 1.5 - 5 ton                          | 40 x 25 x 51.4<br>(1016 x 635 x 1306) | 235 (107)                 |

\*Depth without the burner.

# OMF

## Hi-Boy Multi-Position Oil Furnace



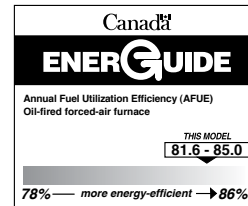
### Features

- Stainless steel, heavy gauge heat exchanger quickly transfers heat to the ambient air
- Multi-position, four-way multi-poise unit that opens up installation possibilities
- Low profile – OMF098 is 40-3/4" (1035mm) high, OMF112 is 41-1/2" (1054 mm) high, OMF 154 is 47-7/8" (1216 mm) high
- Sound attenuator, integrated inside secondary heat exchanger
- High density acoustic wool dampens combustion sound
- Choice of high static pressure oil burners: Beckett AFG and NX, Riello 40 (burners must be ordered separately)
- Inspection port external for easy access and sealed, adjust combustion parameters and simplify inspections
- Approved for chimney vent and sealed combustion installations
- High quality, high-gloss baked finish
- Efficient AFUE up to 87.0% Canada, 86.4% US
- Front flue (breach)

### Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



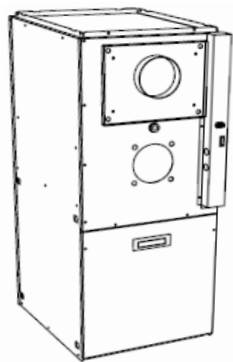
ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

### Unit Performance Data

| Model Number | Input (MBTUH)     | Efficiency AFUE |               | Cooling Capacity @ .5 in wc (125 Pa) | Dimensions H x W x D* (sq) in (mm)          | Operating Weight lbs (kg) |
|--------------|-------------------|-----------------|---------------|--------------------------------------|---|---------------------------|
|              |                   | Canada          | US            |                                      |   |                           |
| OMF098J10B   | 70,000 - 98,000   | 84.0 - 87.0     | 83.3 - 86.4   | 2.5 ton                              | 40-3/4 x 16-7/8 x 21-1/2 (1035 x 429 x 546) | 125 (57)                  |
| OMF112K14A   | 95,200 - 112,000  | 85.5 - 87.1     | 85.3 - 85.8   | 3.5 ton                              | 41-1/2 x 21-3/4 x 25-3/4 (1054 x 553 x 654) | 153 (70)                  |
| OMF154L20A   | 126,000 - 154,000 | 85.3† - 87.0†   | 85.0† - 86.1† | 5 ton                                | 47-7/8 x 28-1/2 x 25 (1216 x 724 x 635)     | 200 (90)                  |

\* Depth without the burner

† Meets ENERGY STAR® Guidelines (Only specific firing rates meet the ENERGY STAR guidelines).



# OMV

## Hi-Boy Multi-Position, Variable-Speed Oil Furnace

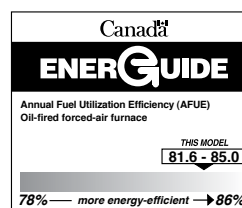
### Features

- Stainless steel, heavy gauge heat exchanger quickly transfers heat to the ambient air
- Multi-position, four way multi-poise unit that opens-up installation possibilities
- Low profile - OMV098 is 40-3/4" (1035 mm) high, OMV112 is 41-1/2" (1054 mm) high, OMF154 is 47-7/8" (1216 mm) high
- Sound attenuator, integrated inside secondary heat exchanger
- High density acoustic wool dampens combustion sound
- Variable-speed blower ECM motor that provides true constant CFM capabilities
- Dehumidification with variable-speed ECM motor allows modulation of blower speed to better extract humidity
- Choice of high static pressure oil burners: Beckett AFG and NX, Riello 40 (Burners must be ordered separately)
- Inspection port/clean outs external for easy access and sealed, adjust combustion parameters and simplify inspections parameters and perform inspections easily with this sealed, spring-loaded access port
- Approved for chimney vent and sealed combustion installations
- High quality, high-gloss baked finish
- Efficient AFUE up to 86.7% Canada, 86.3% US
- Front flue (breech)

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

### Unit Performance Data

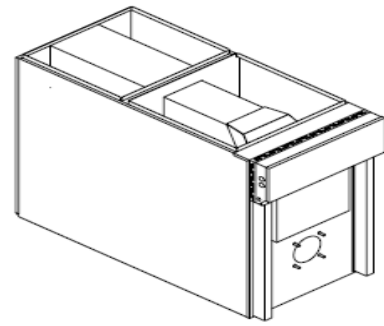
| Model Number | Input (MBTUH)     | Efficiency AFUE |               | Cooling Capacity @ .5 in wc (125 Pa) | Dimensions H x W x D* (sq) in (mm)          | Operating Weight lbs (kg) |
|--------------|-------------------|-----------------|---------------|--------------------------------------|---|---------------------------|
|              |                   | Canada          | US            |                                      |   |                           |
| OMV098J12B   | 70,000 - 98,000   | 87.0†           | 85.0† - 86.4† | 3 ton                                | 40-3/4 x 16-7/8 x 21-1/2 (1035 x 429 x 546) | 125 (57)                  |
| OMV112K14A   | 95,200 - 112,000  | 85.5† - 87.1†   | 85.3† - 85.8† | 3.5 ton                              | 41-1/2 x 21-3/4 x 25-3/4 (1054 x 553 x 654) | 153 (70)                  |
| OMV154L20A   | 126,000 - 154,000 | 85.3† - 87.0†   | 85.0† - 86.3  | 5 ton                                | 47-7/8 x 28-1/2 x 25 (1216 x 724 x 635)     | 200 (90)                  |

\* Depth without the burner

† Meets ENERGY STAR® Guidelines (Only specific firing rates meet the ENERGY STAR guidelines).

# OLR

## Lo-Boy Upflow Oil Furnace



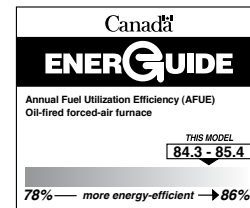
### Features

- Stainless steel, heavy gauge heat exchanger quickly transfers heat to the ambient air
- Multi-speed direct drive motors permanently lubricated for long life performance
- Easy access control panel
- Low profile OLR098 is 33-3/4" (857mm) high, OLR112 is 33-3/4" (857mm) high, OLR154 is 39-1/4" (997mm) high
- Sound attenuator, high density acoustic wool dampens combustion sound
- Choice of high static pressure oil burners: Beckett AFG and NX, Riello 40 (burners must be ordered separately)
- Inspection port external for easy access and sealed, adjust combustion parameters and simplify inspections
- Accessories included, barometric draft regulator, internal filter rack and air filter
- High quality, high-gloss baked finish
- Efficient AFUE up to 87.0% Canada, 86.4% US
- Approved for chimney vent and sealed combustion installations

### Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

### Unit Performance Data

| Model Number | Input (MBTUH)     | Efficiency AFUE |             | Cooling Capacity @ .5 in wc (125 Pa) | Dimensions H x W x D* (sq) in (mm)      | Operating Weight lbs (kg) |
|--------------|-------------------|-----------------|-------------|--------------------------------------|---|---------------------------|
|              |                   | Canada          | US          |                                      |   |                           |
| OLR098A12A   | 77,000 - 98,000   | 85.4 - 87.9     | 85.0 - 86.9 | 3 ton                                | 33-3/4 x 21 x 47 (857 x 533 x 1194)     | 175 (79)                  |
| OLR112A16A   | 95,200 - 112,000  | 86.4 - 88.1     | 85.9 - 87.2 | 4 ton                                | 33-3/4 x 21 x 48 (857 x 533 x 1219)     | 195 (89)                  |
| OLR154F20A   | 126,000 - 154,000 | 86.1 - 87.7     | 85.5 - 87.5 | 5 ton                                | 39-1/4 x 24-7/8 x 52 (997 x 632 x 1320) | 270 (123)                 |

\* Depth without the burner



# OLR 210

## Lo-Boy Oil Furnace

Available in Canada Only

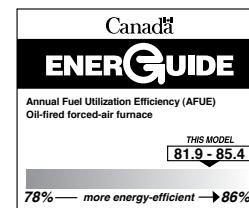
### Features

- Fan control switch for continuous low speed
- Large external front clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- Furnaces are available with your choice of high-efficiency Riello or Beckett burners (burners ordered and shipped separately)
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Efficient AFUE up to 86.7% Canada, 85.4% US
- OLR - Rear flue (breach)

### Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

### Unit Performance Data

| Model Number | Input (MBTUH)     | Efficiency AFUE |             | Cooling Capacity @ .5 in wc (125 Pa) | Dimensions H x W x D* (sq) in (mm)          | Operating Weight lbs (kg) |
|--------------|-------------------|-----------------|-------------|--------------------------------------|---|---------------------------|
|              |                   | Canada          | US          |                                      |   |                           |
| OLR210F19C   | 168,000 - 210,000 | 84.6 - 86.7     | 83.1 - 85.4 | 5 ton                                | 36-1/2 x 20-1/4 x 50-5/8 (918 x 533 x 1286) | 240 (109)                 |

\* Depth without the burner

# OLR350

## Lo-Boy Upflow Oil Furnace



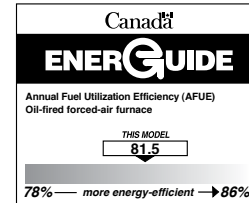
### Features

- Fan control switch for continuous speed
- Large external rear clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- Furnaces are available with your choice of high-efficiency Riello or Beckett burners (burners ordered and shipped separately)
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Efficient AFUE up to 81.5%
- Not air conditioning ready
- Rear flue (breach)

### Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



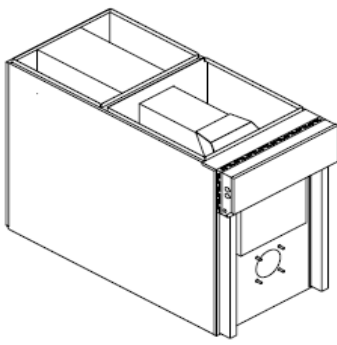
### Unit Performance Data

| Model Number | Input (MBTUH)     | Efficiency AFUE |      | Dimensions H x W x D* (sq) in (mm)          | Operating Weight lbs (kg) |
|--------------|-------------------|-----------------|------|---|---------------------------|
|              |                   | Canada          | US   |   |                           |
| OLR350H28B   | 245,000 - 350,800 | 81.5            | 81.5 | 46-7/8 x 26 x 66-7/8<br>(1191 x 660 x 1699) | 400 (181)                 |

\* Depth without the burner.

### Build to Order Only





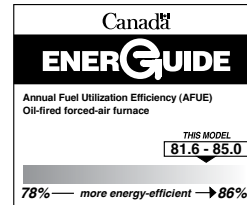
### Features

- Stainless steel, heavy gauge heat exchanger quickly transfers heat to the ambient air
- Variable-speed ECM motor that provides true constant CFM capabilities
- Fan control switch for continuous operation
- Easy access control panel
- Low profile OLV098 is 33-3/4" (857 mm) high, OLV112 is 33-3/4" (857 mm) high, OLV154 is 39-1/4" (997mm) high
- Sound attenuator, high density acoustic wool dampens combustion sound
- Choice of high-efficiency, high-static pressure oil burners Riello or Beckett AFG and NX burners (burners ordered and shipped separately)
- Inspection port external for easy access and sealed, adjust combustion parameters and simplify inspections
- Accessories included, barometric draft regulator, internal filter rack and air filter
- High quality, high-gloss baked finish
- Efficient AFUE up to 88.1% Canada, 87.5% US
- Approved for chimney vent and sealed combustion installations

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

### Unit Performance Data

| Model Number | Input (MBTUH)     | Efficiency AFUE |               | Cooling Capacity @ .5 in wc (125 Pa) | Dimensions H x W x D* (sq) in (mm)      | Operating Weight lbs (kg) |
|--------------|-------------------|-----------------|---------------|--------------------------------------|---|---------------------------|
|              |                   | Canada          | US            |                                      |   |                           |
| OLV098A12A   | 70,000 - 98,000   | 85.4† - 87.0†   | 85.0† - 86.9† | 3 ton                                | 33-3/4 x 21 x 47 (857 x 533 x 1194)     | 175 (80)                  |
| OLV112A16A   | 81,100 - 112,000  | 86.4† - 88.1†   | 85.9† - 87.2† | 4 ton                                | 33-3/4 x 21 x 48 (857 x 533 x 1219)     | 195 (89)                  |
| OLV154F20A   | 107,700 - 154,000 | 86.1† - 87.7†   | 85.5† - 87.5† | 5 ton                                | 39-1/4 x 27-7/8 x 52 (997 x 632 x 1320) | 270 (123)                 |

\* Depth without the burner.

† Meets ENERGY STAR® Guidelines

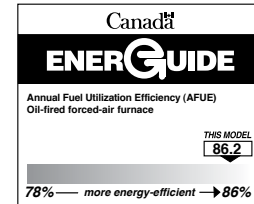
# OTF210

## Upflow/Horizontal Oil Furnace



### Features

- Fan control switch for continuous speed
- Large external rear clean out for easy cleaning
- Clean out sealed from blower compartment (no soot to spread)
- Easy access control panel
- Sight glass/view port
- Furnaces are available with your choice of high-efficiency Riello or Beckett burners (burners ordered and shipped separately)
- Easy access heat exchanger manufactured from heavy gauge steel
- Multi-speed direct drive motors permanently lubricated for long life performance
- Heavy-duty insulated cabinet for quiet operation
- Precision balanced blower ensures quiet, efficient air distribution
- Raised cabinet base allows air to circulate under the cabinet, eliminates dampness
- Approved chimney vent applications
- Efficient AFUE up to 86.3% Canada, 85.0% US
- Air conditioning ready
- Front flue (breach)



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

### Unit Performance Data

| Model Number | Input (MBTUH)    | Efficiency AFUE |             | Cooling Capacity @ .5 in wc (125 Pa) | Dimensions H x W x D* (sq) in (mm)      | Operating Weight lbs (kg) |
|--------------|------------------|-----------------|-------------|--------------------------------------|---|---------------------------|
|              |                  | Canada          | US          |                                      |   |                           |
| OTF210G21B   | 68,000 - 210,000 | 84.4 - 86.3     | 82.9 - 85.0 | 5 ton                                | 52-3/4 x 24-1/4 x 34 (1340 x 616 x 864) | 250 (113)                 |

\* Depth without the burner

# Accessories

## Oil Furnaces

| Model Number       | Description  | Used with Models   |
|--------------------|--|--|
| <b>Oil Burners</b> |  |  |
| N01F034            | Riello 40-BF3 Oil Burner for 5" Breech Models (Direct)         | OLF105, OLR105, OUF105   |
| N01F035            | Riello 40-BF5 Oil Burner (Direct)                              | OLR160   |
| N01F040            | Riello 40-F5 Oil Burner  | OTF210   |
| N01F041            | Riello 40 Oil Burner   | OLR350   |
| N01F049            | Riello 40-F3 Oil Burner for 5" Breech Models (Chimney)         | OLF105, OLR105, OUF105   |
| N01F050            | Riello 40-F5 Oil Burner for 6" Breech Models (Chimney)         | OLR160   |
| N01F051            | Riello Oil Burner (Chimney)                                    | OMF112, OMV112, OLR112, OLV112   |
| N01F052            | Riello Oil Burner (Direct)                                     | OMF112, OMV112, OLR112, OLV112   |
| N01F053            | Riello Oil Burner (Chimney)                                    | OLR154, OLV154   |
| N01F054            | Riello (Chimney Venting)                                       | OMF098, OMV098, OLR098, OLV098   |
| N01F055            | Riello Oil Burner (Direct)                                     | OMF098, OMV098, OLR098, OLV098   |
| N01F056            | Riello Oil Burner (Direct)                                     | OLR154, OLV154   |
| N01J038            | Beckett AF11-85 Oil Burner for 5" Breech Models (Direct Vent)  | OLF105, OLR105, OUF105   |
| N01J039            | Beckett AFG-F3 Oil Burner for 6" Breech Models (Chimney)       | OLR160   |
| N01J040            | Beckett AFG-F0 Oil Burner for 5" Breech Models (Chimney)       | OLF105, OLR105, OUF105   |
| N01J041            | Beckett AF11-150 Oil Burner for 6" Breech Models (Direct Vent) | OLR160   |
| N01J045            | Beckett AFG-F6 Oil Burner (Shipped with Nozzle 1.25 - 70W)     | OTF210   |
| N01J046            | Riello 40 Oil Burner   | OLR350   |
| N01J050            | Beckett NX Oil Burner  | OMF098, OLR098, OLV098, OMV098   |
| N01J052            | Beckett NX Oil Burner  | OMF112, OLR112, OLV112, OMV112   |
| N01J053            | Beckett Oil Burner (Chimney or Direct)                         | OLR154, OLV154, OMF154, OMV154   |
| <b>Nozzles</b>     |  |  |
| N03F014            | Nozzle, Oil Burner, Delavan, 0.50 GPH/60° A (w/burner)         | OLR105, OLF105, OUF105, OMF098, OMV098, OLR098, OLV098                 |
| N03F015            | Nozzle, Oil Burner, Delavan, 0.50 GPH/70° A Riello (w/burner)  | OLR105, OLF105, OUF105, OMF098, OMV098, OLR098, OLV098, OMF112, OMV112 |
| N03F018            | Nozzle, Oil Burner, Delavan, 0.40 GPH/70° A Riello             | OMF098, OMV098   |
| N03F027            | Nozzle, Oil Burner, Delavan, 0.40 GPH/70° A Beckett            | OMF098, OMV098, OLF105, OLR105   |
| N03G010            | Nozzle, Oil Burner, Delavan, 0.50 GPH/60° W                    | OLF105, OLR105, OUF105   |
| N03G011            | Nozzle, Oil Burner, Delavan, 0.60 GPH/60° W                    | OLF105, OLR105, OUF105, OLF140   |
| N03G012            | Nozzle, Oil Burner, Delavan, 1.00 GPH/70° W                    | OLR350, OTF210, OLF140, OLR210   |
| N03G013            | Nozzle, Oil Burner, Delavan, 1.10 GPH/70° W                    | OTF210, OLR210   |
| N03H001            | Nozzle, Oil Burner, Delavan, 1.00 GPH/70° B                    | OLR160   |
| N03H008            | Nozzle, Oil Burner, Delavan, 0.85 GPH/70° B                    | OLR160   |
| N03H013            | Nozzle, Oil Burner, Delavan, 0.75 GPH/70° B                    | OLR160   |
| N03H014            | Nozzle, Oil Burner, Delavan, 0.60 GPH/70° B                    | OUF105, OLR105, OLF105   |

# Accessories

## Oil Furnaces

| Model Number                  | Description   | Used with Models  |
|-------------------------------|---|---|
| <b>Vestibule Kits</b>         |   |   |
| LBVEST1M                      | Vestibule Kit for 5" Breech Low Boy Models                              | OLF105, OLR105, NOLF105   |
| LBVEST2M                      | Vestibule Kit for 6" Breech Low Boy Models                              | OLR160  |
| HBVEST1M                      | Vestibule Kit for 5" Breech High Boy Models                             | OUR105  |
| <b>Vent Terminal Kits</b>     |   |   |
| VTK1                          | Vent Terminal Kit for 5" Breech Models                                  | OLF105, OLR105, OUF105  |
| VTK2                          | Vent Terminal Kit for 6" Breech Models                                  | OLR160  |
| IFV323                        | 3" Ø x 20' (76 mm x 7 m)<br>Insulated Flex Vent for 5" Breech Models    | OLF105, OLR105, OUF105  |
| IFV415                        | 4" Ø x 15' (102 mm x 4.6 m)<br>Insulated Flex Vent for 6" Breech Models | OLR160  |
| IFV423                        | 4" Ø x 20' (102 mm x 7 m)<br>Insulated Flex Vent for 6" Breech Models   | OLR160  |
| IFV508                        | 5" Ø x 10' (127 mm x 2.4 m)<br>Insulated Flex Vent for 8' Breech Models | OLR154, OLV154, OMF154, OMV154                                    |
| IFV520                        | 5" Ø x 20' (127 mm x 6 m)<br>Insulated Flex Vent for 20' Breech Models  | OLR154, OLV154, OMF154, OMV154                                    |
| IFV09820                      | 4" Ø x 20' (102 mm x 6 m)<br>Insulated Flex Vent for 4" Breech Models   | OMF098, OMV098, OLR098, OLV098,<br>OLR112, OLV112, OMF112, OMV112 |
| <b>Floor Base</b>             |   |   |
| DFB102                        | Downflow Subbase  | OMF098, OMV098  |
| DFB103                        | Downflow Subbase  | OMF112, OMV112  |
| DFB104                        | Downflow Subbase  | OMF154, OMV154  |
| FRB101                        | Floor Return Base   | OMF098, OMV098  |
| <b>Coil Adapter</b>           |   |   |
| OCA20                         | Oil Coil Adapter (Cased Coil Adapter, (20" x 20"))                      | OLR105, OLF105, OUF105, NOLF105                                   |
| OCA24                         | Oil Coil Adapter (Cased Coil Adapter, (24" x 24"))                      | OLR160  |
| <b>Additional Accessories</b> |   |   |
| B30083                        | External Filter Rack 20" x 20"  | OUF105  |
| CAS2B                         | Outside Air Intake for NO1J040  | OLF105, OLR105, OUF105, OLR160                                    |
| CAD1                          | 25' Flexible Air Duct for CAS2B   | OLF105, OLR105, OUF105, OLR160                                    |
| Z06F007                       | Draft Regulator   | OTF210  |
| C7001025                      | Riello Two-Pipe Change Over Kit   | OLF105, OLR105  |
| Z08F001+                      | 7 Micron Media Filter and Head  | OLF, OLR, OCF, OUF  |
| Z08F004+                      | 7 Micron Media Filter   | OLF, OLR, OCF, OUF  |

+ Must be ordered from Service Parts

# Fan Coils, Evaporator Coils and Blower Coils



# FCM4X

## Fan Coils with Observer® Communicating Control System

2 – 5 Tons



Recommended  
(Sold separately)



### Features

- Easier troubleshooting, providing faster service and repair
- Multi-position installation
- Communicating, self configuring when used with Observer Communicating Wall Control
- Aluminum tube, aluminum fin evaporator coil
- Bi-flow hard-shutoff R-410A TXV metering device
- HUD approved for manufactured housing
- Sweat connections
- Primary and secondary brass drain connections
- Energy-efficient variable-speed ECM Motor
- Ultra-low power consumption during fan only operation
- High duct static capability
- Pre-painted galvanized sheet metal cabinet insulation with vapor barrier
- Cabinet construction designed to prevent cabinet sweating
- Meets requirements of a 2% cabinet leakage rate when tested at 1-inch water column of static pressure
- Modular cabinet on 5-ton model
- 208/230-1-60 supply voltage
- Multiple electrical entry for application flexibility
- Low voltage terminal strip
- Easy plug connection provided for quick installation of accessory heater packages
- Factory supplied washable filter easily removed  
- no tools required

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty  
– With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | CFM (L/s)  | Operating Dimensions H x W x D (sq) in (mm)        | Filter Size in (mm)             | Shipping Weight lbs (kg) |
|--------------|-------------|----------------|------------|--|---------------------------------|--------------------------|
| FCM4X2400AL  | 2           | 24,000         | 800 (378)  | 42-11/16 x 17-5/8 x 22-1/16<br>(1084 x 448 x 560)  | 16-3/8 x 21-1/2<br>(416 x 546)  | 135 (61)                 |
| FCM4X3600AL  | 3           | 36,000         | 1200 (566) | 53-7/16 x 21-1/8 x 22-1/16<br>(1357 x 537 x 560)   | 19-7/8 x 21-1/2<br>(505 x 546)  | 150 (68)                 |
| FCM4X4800AL  | 4           | 48,000         | 1600 (755) | 53-7/16 x 21-1/8 x 22-1/16<br>(1357 x 537 x 560)   | 19-7/8 x 21-1/2<br>(505 x 546)  | 172 (78)                 |
| FCM4X6000AL  | 5           | 60,000         | 1750 (826) | 59-3/16 x 24-11/16 x 22-1/16<br>(1503 x 627 x 560) | 23-5/16 x 21-1/2<br>(592 x 546) | 207 (94)                 |



# FVM4X

## Variable-Speed Fan Coils

2 – 5 Tons

### Features

- Supports two-stage outdoor units
- Available for Environmentally Sound R-410A systems
- Bolt-on, hard shut-off TXV metering device factory installed on all models
- Aluminum tube, aluminum fin evaporator coil
- Sweat connections
- Primary and secondary drain fittings with brass inserts
- Time delay relay (TDR)
- Field installed heater packages from 5 kW - 30 kW available separately
- HUD approved for manufactured housing
- 208/230-1-60 supply voltage
- Multi-position installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with accessory kits)
- Filter (washable) factory supplied
- Heat staging option
- Dehumidification function with standardized logic
- One-inch (25 mm) thick insulation with R value of 4.2

### Performance

- Variable-speed ECM motor on all models
- Adjustable cooling and heating on/off delay
- Heat Pump Comfort option to provide higher than normal heating air delivery temperature
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate of 1-inch water column

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty – With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Easy-to-Install and Service

- Multiple electrical entry locations
- TXV and manifold positioned to the side for easier cleaning
- Zero clearance without heaters

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | CFM (L/s) Range |            | Operating Dimensions H x W x D (sq) in (mm)     | Filter Size in (mm)          | Shipping Weight lbs (kg) |
|--------------|-------------|----------------|-----------------|------------|---|------------------------------|--------------------------|
|              |             |                | Low             | High       |   |                              |                          |
| FVM4X2400BL  | 2           | 24,000         | 350 (165)       | 1200 (566) | 42-11/16 x 17-5/8 x 22-1/16 (1084 x 448 x 560)  | 16-3/8 x 21-1/2 (416 x 546)  | 135 (61)                 |
| FVM4X3600BL  | 3           | 36,000         | 415 (196)       | 1400 (661) | 53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560)   | 19-7/8 x 21-1/2 (505 x 546)  | 150 (68)                 |
| FVM4X4800BL  | 4           | 48,000         | 425 (201)       | 1600 (755) | 53-7/16 x 21-1/8 x 22-1/16 (1357 x 537 x 560)   | 19-7/8 x 21-1/2 (505 x 546)  | 172 (78)                 |
| FVM4X6000BL  | 5           | 60,000         | 540 (255)       | 2000 (944) | 59-3/16 x 24-11/16 x 22-1/16 (1503 x 627 x 560) | 23-5/16 x 21-1/2 (592 x 546) | 207 (94)                 |

# FXM4X

## Fan Coils

1-1/2 – 5 Tons  
Environmentally Sound R-410A Systems



### Features

- TXV metering device factory installed
- ECM five-speed motor
- Sweat connections
- Primary and secondary drain fittings with brass inserts
- Three amp automotive type fuse in wire harness
- Multiple electrical entry locations
- Time delay relay (TDR) programmed in motor
- Field installed heater packages from 5 kW – 30 kW available separately
- HUD approved for manufactured housing
- 208/230-1-60 supply voltage
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1-inch water column
- One-inch thick insulation with R value of 4.2
- Multi-position installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kits)
- No Heat (Plug) Kit factory installed
- Filter (washable) factory supplied

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Nominal Btu/hr | CFM (L/s)  | Operating Dimensions H x W x D (sq) in (mm)        | Filter Size in (mm)             | Shipping Weight lbs (kg) |
|--------------|-------------|----------------|------------|--|---------------------------------|--------------------------|
| FXM4X1800A   | 1-1/2       | 18,000         | 600 (283)  | 49-5/8 x 17-5/8 x 22-1/16<br>(1261 x 448 x 560)    | 16-3/8 x 21-1/2<br>(416 x 546)  | 122 (55)                 |
| FXM4X1800AL  | 1-1/2       | 18,000         | 600 (283)  | 49-5/8 x 17-5/8 x 22-1/16<br>(1261 x 448 x 560)    | 16-3/8 x 21-1/2<br>(416 x 546)  | 122 (55)                 |
| FXM4X2400AL  | 2           | 24,000         | 800 (378)  | 49-5/8 x 17-5/8 x 22-1/16<br>(1261 x 448 x 560)    | 19-7/8 x 21-1/2<br>(505 x 546)  | 122 (55)                 |
| FXM4X3000AL  | 2-1/2       | 30,000         | 1000 (472) | 53-7/16 x 21-1/8 x 22-1/16<br>(1357 x 537 x 560)   | 19-7/8 x 21-1/2<br>(505 x 546)  | 146 (66)                 |
| FXM4X3600AL  | 3           | 36,000         | 1200 (566) | 49-5/8 x 21-1/8 x 22-1/16<br>(1261 x 537 x 560)    | 19-7/8 x 21-1/2<br>(505 x 546)  | 157 (71)                 |
| FXM4X4200AL  | 3-1/2       | 42,000         | 1400 (661) | 49-5/8 x 21-1/8 x 22-1/16<br>(1261 x 537 x 560)    | 23-5/16 x 21-1/2<br>(592 x 546) | 157 (71)                 |
| FXM4X4800AL  | 4           | 48,000         | 1600 (755) | 53-7/16 x 24-11/16 x 22-1/16<br>(1357 x 627 x 560) | 23-5/16 x 21-1/2<br>(592 x 546) | 185 (84)                 |
| FXM4X6000AL  | 5           | 60,000         | 2000 (944) | 59-3/16 x 24-11/16 x 22-1/16<br>(1503 x 627 x 560) | 23-5/16 x 21-1/2<br>(592 x 546) | 201 (91)                 |

A = Coppertube, Aluminum Fin Evaporator Coil  
AL = Aluminum Tube, Aluminum Fin Evaporator Coil





# FEM4P

## Fan Coils

1-1/2 – 4 tons  
Environmentally Sound R-410A Systems

### Features

- Factory installed piston metering device with Teflon® ring
- ECM five-speed motor
- Sweat connections
- Aluminum tube, aluminum fin evaporator
- Primary and secondary drain fittings with brass inserts
- Low voltage circuit protective fuse (3 amp) inline on wire harness
- Multiple electrical entry locations
- Time delay relay (TDR)
- Field installed heater packages from 5 kW – 30 kW available separately
- HUD approved for manufactured housing
- 208/230-1-60 supply voltage
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1-inch water column
- One-inch thick insulation with R value of 4.2
- Multi-position installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kits)
- No Heat (Plug) Kit factory installed
- Filter (washable) factory supplied

### Warranty\*

- One-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | CFM (L/s)  | Operating Dimensions H x W x D (sq) in (mm)        | Filter Size in (mm)            | Shipping Weight lbs (kg) |
|--------------|-------------|------------|--|--------------------------------|--------------------------|
| FEM4P1800AL  | 1-1/2       | 600 (283)  | 42-11/16 x 14-5/16 x 22-1/16<br>(1084 x 364 x 560) | 13 x 21-1/2<br>(330 x 546)     | 112 (51)                 |
| FEM4P2400AL  | 2           | 800 (378)  | 42-11/16 x 14-5/16 x 22-1/16<br>(1084 x 364 x 560) | 13 x 21-1/2<br>(330 x 546)     | 112 (51)                 |
| FEM4P3000AL  | 2-1/2       | 1000 (472) | 49-5/8 x 17-5/8 x 22-1/16<br>(1261 x 448 x 560)    | 16-3/8 x 21-1/2<br>(416 x 546) | 122 (55)                 |
| FEM4P3600AL  | 3           | 1200 (566) | 49-5/8 x 17-5/8 x 22-1/16<br>(1261 x 448 x 560)    | 16-3/8 x 21-1/2<br>(416 x 546) | 122 (55)                 |
| FEM4P4200AL  | 3-1/2       | 1400 (661) | 49-5/8 x 21-1/8 x 22-1/16<br>(1261 x 537 x 560)    | 19-7/8 x 21-1/2<br>(505 x 546) | 157 (71)                 |
| FEM4P4800AL  | 4           | 1600 (755) | 49-5/8 x 21-1/8 x 22-1/16<br>(1261 x 537 x 560)    | 19-7/8 x 21-1/2<br>(505 x 546) | 157 (71)                 |

# FEM4X

## Fan Coils



### 1-1/2 – 5 Tons Environmentally Sound R-410A Systems

#### Features

- Available for environmentally sound R-410A systems
- Factory installed TXV metering device
- Sweat connections
- Aluminum tube, aluminum fin evaporator
- Primary and secondary drain fittings with brass inserts
- Multiple electrical entry locations
- Time delay relay (TDR)
- Field installed heater packages from 5 kW – 30 kW available separately
- HUD approved for manufactured housing
- 208/230-1-60 supply voltage
- Units tested and certified by manufacturer to achieve a 2% or less leakage rate at 1-inch water column
- One-inch thick insulation with R value of 4.2
- ECM five-speed motor
- Multi-position installation – upflow or horizontal left standard, horizontal right with minor modification (field convertible to downflow with available accessory kit)
- Low voltage circuit protective fuse (3 amp) inline on wire harness
- No Heat (Plug) Kit factory installed
- Filter (washable) available as accessory

#### Warranty\*

- One-year No Hassle Replacement™ limited warranty
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

#### Unit Performance Data

| Model Number | Size (tons) | Nominal CFM (L/s) | Operating Dimensions H x W x D (sq) in (mm)        | Filter Size in (mm)            | Shipping Weight lbs (kg) |
|--------------|-------------|-------------------|--|--------------------------------|--------------------------|
| FEM4X1800BL  | 1-1/2       | 600 (283)         | 42-11/16 x 14-5/16 x 22-1/16<br>(1084 x 364 x 560) | 13 x 21-1/2<br>(330 x 546)     | 112 (51)                 |
| FEM4X2400CL  | 2           | 800 (378)         | 49-5/8 x 17-5/8 x 22-1/16<br>(1261 x 448 x 560)    | 16-3/8 x 21-1/2<br>(416 x 546) | 122 (55)                 |
| FEM4X3000BL  | 2-1/2       | 1000 (472)        | 49-5/8 x 17-5/8 x 22-1/16<br>(1261 x 448 x 560)    | 16-3/8 x 21-1/2<br>(416 x 546) | 122 (55)                 |
| FEM4X3600BL  | 3           | 1200 (566)        | 49-5/8 x 17-5/8 x 22-1/16<br>(1261 x 448 x 560)    | 16-3/8 x 21-1/2<br>(416 x 546) | 122 (55)                 |
| FEM4X4200BL  | 3-1/2       | 1400 (661)        | 49-5/8 x 21-1/8 x 22-1/16<br>(1261 x 537 x 560)    | 19-7/8 x 21-1/2<br>(505 x 546) | 157 (71)                 |
| FEM4X4800BL  | 4           | 1600 (755)        | 49-5/8 x 21-1/8 x 22-1/16<br>(1261 x 537 x 560)    | 19-7/8 x 21-1/2<br>(505 x 546) | 157 (71)                 |
| FEM4X6000BL  | 5           | 1750 (826)        | 53-7/16 X 21-1/8 X 22-1/16<br>(1357 X 537 X 560)   | 19-7/8 x 21-1/2<br>(505 x 546) | 175 (79)                 |



# FMA4X, FMA4P

## Apartment Fan Coils

1-1/2 – 3 Tons

### All Models

- Upflow application only
- Accessory field installed electric heat kits available in 5, 7.5, or 10 kW
- 208/230-1-60 supply voltage
- Front return convertible to bottom return
- Cabinet exterior is galvanized sheet metal
- Sealed to meet 2% cabinet leakage when tested at 1.0 in water column of static pressure
- Fully insulated for conditioned space (not to be installed in unconditioned spaces)

### FMA4P

- For use with R-410A refrigerant or R-22 with accessory R-22 TXV

### FMA4X

- R-410A refrigerant TXV standard or for use with R-22 with accessory R-22 TXV

### Performance

- PSC motor on all FMA4P
- ECM motor on all FMA4X
- Motor suspended on rubber grommets for quieter operation
- Fresh air intake holes (capped from factory)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Easy-to-Install and Service

- Units fit between standard stud spacings
- All service access is located in the front
- Primary and secondary drain connections exit from the bottom
- No return air ductwork required in specific applications
- Wall hanging brackets included with the unit

### Unit Performance Data

| Model Number | Size (tons) | Nominal BTU | Nominal CFM (L/s) |            | Operating Dimensions H x W x D (sq) in (mm) | Filter Size in (mm) | Shipping Weight lbs (kg) |
|--------------|-------------|-------------|-------------------|------------|---|---------------------|--------------------------|
| FMA4P1800AT  | 1-1/2       | 18,000      | 450 (212)         | 675 (319)  | 36-1/2 x 20-1/2 x 15 (928 x 521 x 381)      | 16 x 20 (406 x 508) | 99 (45)                  |
| FMA4P2400AT  | 2           | 24,000      | 600 (283)         | 900 (425)  | 36-1/2 x 20-1/2 x 15 (928 x 521 x 381)      | 16 x 20 (406 x 508) | 99 (45)                  |
| FMA4P3000AT  | 2-1/2       | 30,000      | 750 (354)         | 1125 (531) | 39-1/2 x 22 x 19 (1004 x 559 x 483)         | 20 x 20 (508 x 508) | 121 (55)                 |
| FMA4P3600AT  | 3           | 36,000      | 900 (425)         | 1350 (637) | 39-1/2 x 22 x 19 (1004 x 559 x 483)         | 20 x 20 (508 x 508) | 121 (55)                 |
| FMA4X1800AT  | 1-1/2       | 18,000      | 450 (212)         | 675 (319)  | 36-1/2 x 20-1/2 x 15 (928 x 521 x 381)      | 16 x 20 (406 x 508) | 99 (45)                  |
| FMA4X2400AT  | 2           | 24,000      | 600 (283)         | 900 (425)  | 36-1/2 x 20-1/2 x 15 (928 x 521 x 381)      | 16 x 20 (406 x 508) | 99 (45)                  |
| FMA4X3000AT  | 2-1/2       | 30,000      | 750 (354)         | 1125 (531) | 39-1/2 x 22 x 19 (1004 x 559 x 483)         | 20 x 20 (508 x 508) | 121 (55)                 |
| FMA4X3600AT  | 3           | 36,000      | 900 (425)         | 1350 (637) | 39-1/2 x 22 x 19 (1004 x 559 x 483)         | 20 x 20 (508 x 508) | 121 (55)                 |

AT = Tin-Plated Copper Tube, Aluminum Fin

Specifications subject to change without notice.

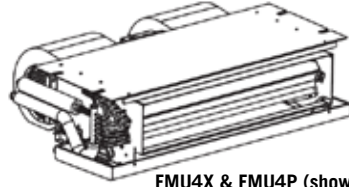
# FMU4X, FMU4P, FMC4X, FMC4P

## Horizontal Fan Coils

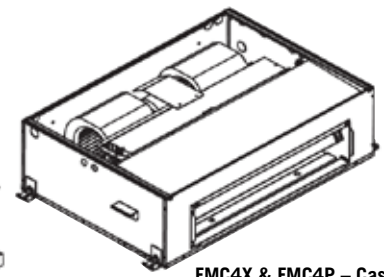
1-1/2 – 3 Tons

FMU4P and FMC4P – 1-1/2, 2, 2-1/2, and 3 Tons

FMU4X and FMC4X – 1-1/2, 2, and 2-1/2 Tons



FMU4X & FMU4P (shown) –  
Uncased Horizontal Fan Coil



FMC4X & FMC4P – Cased  
Horizontal Fan Coil (unit  
pictured upside down)

### All Models

- Horizontal application only
- For use with R-410A refrigerant or R-22 with accessory TXV
- Accessory field installed electric heat kits available in 3, 5, 6, 7.5, or 10 kW
- 40 VA 208/230-1-60 supply voltage
- FMU4P and FMC4P use R-410A piston metering device
- FMU4X and FMC4X use R-410A TXV metering device
- R-22 capable with accessory R-22 TXV

### FMC4X and FMC4P

- Horizontal return applications require field fabricated bottom cover
- Cabinets meet the requirement of 2% cabinet leakage rate at 1-inch water column of static pressure
- Cabinets constructed to prevent cabinet sweating
- Refrigerant lines and electrical connections can be run out the back or side of casing
- Primary and secondary drain connections exit from the back or side of the cabinet

### Performance

- PSC motor on all models

### Easy-to-Install and Service

- A-coil design for maximum surface area
- Multiple electrical, refrigerant lineset and drain line entry for application flexibility
- Primary and secondary drain connections exit from the back or side of the cabinet
- Supports furred-down ceiling open return and ducted return applications
- Sweat connections for long term reliability
- Grooved copper tube/aluminum fin coils

### Warranty\*

- Five-year parts limited warranty – With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number   | Size (tons) | Nominal CFM (L/s) | Operating Dimensions H x W x D (sq) in (mm) | Shipping Weight lbs (kg) |
|----------------|-------------|-------------------|---|--------------------------|
| <b>Uncased</b> |             |                   |   |                          |
| FMU4P1800AT    | 1-1/2       | 600 (283)         | 10-1/4 x 37-1/4 x 26-3/8 (260 x 946 x 670)  | 75 (34)                  |
| FMU4P2400AT    | 2           | 800 (378)         | 10-1/4 x 37-1/4 x 26-3/8 (260 x 946 x 670)  | 75 (34)                  |
| FMU4P3000AT    | 2-1/2       | 1000 (472)        | 10-1/4 x 49-1/4 x 26-3/8 (260 x 1251 x 670) | 93 (42)                  |
| FMU4P3600AT    | 3           | 1200 (566)        | 10-1/4 x 49-1/4 x 26-3/8 (260 x 1251 x 670) | 93 (42)                  |
| FMU4X1800AT    | 1-1/2       | 600 (283)         | 10-1/4 x 37-1/4 x 26-3/8 (260 x 946 x 670)  | 75 (34)                  |
| FMU4X2400AT    | 2           | 800 (378)         | 10-1/4 x 37-1/4 x 26-3/8 (260 x 946 x 670)  | 75 (34)                  |
| FMU4X3000AT    | 2-1/2       | 1000 (472)        | 10-1/4 x 49-1/4 x 26-3/8 (260 x 1251 x 670) | 93 (42)                  |
| <b>Cased</b>   |             |                   |   |                          |
| FMC4P1800AT    | 1-1/2       | 600 (283)         | 11 x 39-3/4 x 27-3/4 (282 x 1010 x 704)     | 109 (49)                 |
| FMC4P2400AT    | 2           | 800 (378)         | 11 x 39-3/4 x 27-3/4 (282 x 1010 x 704)     | 109 (49)                 |
| FMC4P3000AT    | 2-1/2       | 1000 (472)        | 11 x 51-3/4 x 27-3/4 (282 x 1315 x 704)     | 135 (61)                 |
| FMC4P3600AT    | 3           | 1200 (566)        | 11 x 51-3/4 x 27-3/4 (282 x 1315 x 704)     | 135 (61)                 |
| FMC4X1800AT    | 1-1/2       | 600 (283)         | 11 x 39-3/4 x 27-3/4 (282 x 1010 x 704)     | 109 (49)                 |
| FMC4X2400AT    | 2           | 800 (378)         | 11 x 39-3/4 x 27-3/4 (282 x 1010 x 704)     | 109 (49)                 |
| FMC4X3000AT    | 2-1/2       | 1000 (472)        | 11 x 51-3/4 x 27-3/4 (282 x 1315 x 704)     | 135 (61)                 |

AT = Tin-Plated Copper Tube, Aluminum Fin

Specifications subject to change without notice.

# Accessories

## Fan Coil (Piston)

| Part Number                | Description   | Use With FEM4P                                      |
|----------------------------|---|---|
| EBAC01DSC                  | Disconnect Kit  | Use with All Single-Phase Heaters<br>5kW – 10kW     |
| EBAC01NCB                  | Downflow Base Kit   | 1800, 2400  |
| EBAC02NCB                  | Downflow Base Kit   | 3000, 3600  |
| EBAC03NCB                  | Downflow Base Kit   | 4200, 4800  |
| EBAC01DFS                  | Downflow Conversion Kit – Slope Coil  | 1800, 2400, 3000, 3600                              |
| EBAC02DFA                  | Downflow Conversion Kit – “A” Coil  | 4200, 4800  |
| EBAC01SPK                  | Single Point Wiring Kit   | Only for use with<br>15kW and 20kW Fused Heaters    |
| EBAC01FKS                  | Filter Kit (washable, box of 12)  | 1800, 2400  |
| EBAC01FKM                  | Filter Kit (washable, box of 12)  | 3000, 3600  |
| EBAC01FKL                  | Filter Kit (washable, box of 12)  | 4200, 4800  |
| EBAC01PLG                  | No Heat (Plug) Kit (box of six)   | FEM4P – ALL (Factory Installed)                     |
| EBAC01GSK                  | Downflow Gasket Kit   | ALL (required for horizontal right<br>and downflow) |
| NAEA20101TX                | TXV Kit, R-22, Copper and Tin Coils Only  | 1800, 2400, 3000, 3600, 4200                        |
| NAEA20201TX                | TXV Kit, R-22, Copper and Tin Coils Only  | 4800  |
| NAEA40501TX                | TXV Kit, R-410A, Copper and Tin Coils Only  | 1800, 2400, 3000                                    |
| NAEA40601TX                | TXV Kit, R-410A, Copper and Tin Coils Only  | 3600, 4200  |
| NAEA40701TX                | TXV Kit, R-410A, Copper and Tin Coils Only  | 4800  |
| NAEB40501TX                | TXV Kit, R-410A, Aluminum Coils Only  | 1800AL, 2400AL, 3000AL                              |
| NAEB40601TX                | TXV Kit, R-410A, Aluminum Coils Only  | 3600AL, 4200AL                                      |
| NAEB40701TX                | TXV Kit, R-410A, Aluminum Coils Only  | 4800AL  |
| NAEB20101TX                | TXV Kit, R-22, Aluminum Coils Only  | 1800AL, 2400AL, 3000AL, 3600AL, 4200AL              |
| NAEB20201TX                | TXV Kit, R-22, Aluminum Coils Only  | 4800AL  |
| NASA00201FR                | 16" X 20" X 1" (406 X 508 X 250 mm)   | 3000, 3600  |
| NASA00301FR                | 20" X 20" X 1" (508 X 508 X 250 mm)   | 4200, 4800  |
| Electric Heaters for FEM4P |   |   |
| EHK05AKN                   | 5 kW, Single-Phase, No Internal Circuit Protection  | ALL   |
| EHK05AKB                   | 5 kW, Single-Phase with Circuit Breakers  | ALL   |
| EHK07AKN                   | 8 kW, Single-Phase, No Internal Circuit Protection  | ALL   |
| EHK07AKB                   | 8 kW, Single-Phase with Circuit Breakers  | ALL   |
| EHK09AKCN                  | 9 kW, Supplied as Single-Phase, Field Convertible to<br>Three-Phase, No Internal Circuit Protection | 3600, 4200, 4800                                    |
| EHK10AKN                   | 10 kW, Single-Phase, No Internal Circuit Protection   | ALL   |
| EHK10AKB                   | 10 kW, Single-Phase with Circuit Breakers   | ALL   |
| EHK15AKF                   | 15 kW, Single-Phase with Fuses  | 2400, 3000, 3600, 4200, 4800                        |
| EHK15AKB                   | 15 kW, Single-Phase with Circuit Breakers   | 2400, 3000, 3600, 4200, 4800                        |
| EHK15AHN                   | 15 kW, Three-Phase, No Internal Circuit Protection  | 3600, 4200, 4800                                    |

# Accessories

## Fan Coil (Piston)

| <b>Electric Heaters for FEM4P</b>                    |  |                        |
|--|--|------------------------|
| <b>Part Number</b>                                   | <b>Description</b>   | <b>Use With</b>        |
| EHK18AHN   | 18kW, Three-Phase, No Internal Circuit Protection                            | 4200, 4800             |
| EHK20AKF   | 20 kW, Single-Phase with Fuses   | 3000, 3600, 4200, 4800 |
| EHK20AKB   | 20 kW, Single-Phase with Circuit Breakers                                    | 3000, 3600, 4200, 4800 |
| EHK25AHCF  | 24 kW, Supplied as Three-Phase, Field Convertible to Single-Phase with Fuses | 4800                   |
| EHK30AHCF  | 30 kW, Supplied as Three-Phase, Field Convertible to Single-Phase with Fuses | 4800                   |
| <b>Accessories for use with FMA4P</b>                |  |                        |
| AMWK001WG  | Louvered Wall Panel with Frame (6 Pack)                                      | 18, 24                 |
| AMWK002WG  | Louvered Wall Panel with Frame (6 Pack)                                      | 30, 36                 |
| NAEA20101TX  | TXV Kit, R-22  | 18, 24, 30, 36         |
| NAEA40501TX  | TXV Kit, R-410A  | 18, 24, 30             |
| NAEA40601TX  | TXV Kit, R-410A  | 36                     |
| <b>Electric Heaters for FMA4P</b>                    |  |                        |
| EHK205B  | 5 kW, Single-Phase   | ALL                    |
| EHK208B  | 7.5 kW, Single-Phase   | ALL                    |
| EHK210B  | 10 kW, Single-phase  | ALL                    |
| <b>Accessories for use with FMU4P and FMC4P</b>      |  |                        |
| NASA00101GF  | Louvered Wall Panel with Filter Rack – Small                                 | 18, 24                 |
| NASA00201GF  | Louvered Wall Panel with Filter Rack – Large                                 | 30, 36                 |
| NASA00101CC  | Access Panel – Small   | 18, 24                 |
| NASA00201CC  | Access Panel – Large   | 30, 36                 |
| NAEA20101TX  | TXV Kit, R-22  | 18, 24, 30, 36         |
| NAEA40501TX  | TXV Kit, R-410A  | 18, 24, 30             |
| NAEA40601TX  | TXV Kit, R-410A  | 36                     |
| <b>Electric Heaters for use with FMU4P and FMC4P</b> |  |                        |
| EHK305B  | 5 kW, Single-Phase   | ALL                    |
| EHK308B  | 7.5 kW, Single-Phase   | ALL                    |
| EHK310B  | 10 kW, Single-phase  | ALL                    |

# Accessories

## Fan Coil (TXV)

| Part Number  | Description  | FCM4X   | FVM4X            | FXM4X   | FEM4X                                  |
|--------------|--|---|------------------|---|--|
| EBAC01DSC    | Disconnect Kit   | Use with all single-phase heaters 5 kW – 10kW           |                  |   |  |
| EBAC01NCB    | Downflow Base Kit  | 2400, 3600, 4800  | –                | –   | 1800B, 2400B                           |
| EBAC02NCB    | Downflow Base Kit  | –   | 2400             | 1800, 2400  | 2400C, 3000B, 3600B                    |
| EBAC03NCB    | Downflow Base Kit  | –   | 3600, 4800       | 3000, 3600, 4200                                    | 4200B, 4800B, 6000B                    |
| EBAC04NCB    | Downflow Base Kit  | 6000B   | 6000B            | 4800, 6000  | –                                      |
| EBAC01DFS    | Downflow Conversion Kit – Slope Coil                             | 3600  | 3600             | 1800, 2400, 3000                                    | 1800B, 2400C, 3000B, 3600B             |
| EBAC02DFA    | Downflow Conversion Kit – A-Coil                                 | 2400, 4800, 6000  | 2400, 4800, 6000 | 3600, 4200, 4800, 6000                              | 4200B, 4800B, 6000B                    |
| EBAC01SPK    | Single Point Wiring Kit  | Only for use with 15 kW and 20 kW fused heaters         |                  |   |  |
| QOU14100JBAF | Single Point Wiring Kit – Square D® – Jumper Bar Assembly        | Only for use with EHK15AKB and EHK20AKB breaker heaters |                  |   |  |
| EBAC01FKS    | Filter Kit<br>(Washable, Box of 12)                              | –   | –                | –   | 1800B                                  |
| EBAC01FKM    |  | 2400*   | 2400*            | 1800*, 2400*  | 2400C, 3000B, 3600B                    |
| EBAC01FKL    |  | 3600*, 4800*  | 3600*, 4800*     | 3000*, 3600*, 4200*                                 | 4200B*, 4800B*, 6000B                  |
| EBAC01FKX    |  | 6000B   | 6000B            | 4800, 6000  | –                                      |
| NASA00101FR  | 12" X 20" x 1"<br>(306 x 508 x 250 mm)                           | –   | –                | –   | 1800B                                  |
| NASA00201FR  | 16" X 20" x 1"<br>(406 x 508 x 250 mm)                           | 2400  | 2400             | 1800, 2400  | 2400C, 3000B, 3600B                    |
| NASA00301FR  | 20" X 20" x 1"<br>(508 x 508 x 250 mm)                           | 3600, 4800  | 3600, 4800       | 3000, 3600, 4200                                    | 4200B, 4800B, 6000B                    |
| NASA00401FR  | Standard Filter Rack (qty 2)<br>(12" x 20" x 1" filter required) | 6000B   | 6000B            | 4800, 6000  | –                                      |
| EBAC01PLG    | No Heat (Plug) Kit (Box of 6)                                    | ALL (factory installed)                                 |                  |   |  |
| EBAC01GSK    | Horizontal and Downflow Gasket Kit                               | ALL<br>(required for horizontal right only)             |                  | ALL<br>(required for horizontal right and downflow) |  |
| NAEA20101TX  | TXV Kit, R-22,<br>Copper and Tin Coils Only                      | 2400, 3600  | 2400, 3600       | 1800, 2400, 3000, 3600, 4200                        | 1800, 2400, 3000, 3600, 4200           |
| NAEA20201TX  |  | 4800  | 4800             | 4800  | 4800, 6000                             |
| NAEA20301TX  |  | 6000  | 6000             | 6000  | –                                      |
| NAEB20101TX  | TXV Kit, R-22,<br>Aluminum Coils Only                            | 2400AL, 3600AL  | 2400AL, 3600AL   | 1800AL, 2400AL, 3000AL, 3600AL, 4200AL              | 1800BL, 2400CL, 3000BL, 3600BL, 4200BL |
| NAEB20201TX  |  | 4800AL  | 4800AL           | 4800AL  | 4800AL                                 |
| NAEB20301TX  |  | 6000AL  | 6000AL           | 6000AL  | 6000BL                                 |

\*Factory Supplied

# Accessories

## Fan Coil (TXV)

| <b>EHC Electric Heaters for FCM4X</b>                |  |  |
|--|--|--|
| <b>Part Number</b>                                   | <b>Description</b>   | <b>Use with</b>                          |
| EHC09AKCN  | 9 kW, Supplied as Single-Phase, No Internal Circuit Protection                                   | ALL                                      |
| EHC15AKF   | 15 kW, Single-Phase with Fuses   | ALL                                      |
| EHC15AKB   | 15 kW, Single-Phase with Circuit Breakers  | ALL                                      |
| EHC20AKF   | 20 kW, Single-Phase with Fuses   | ALL                                      |
| EHC20AKB   | 20 kW, Single-Phase with Circuit Breakers  | ALL                                      |
| EHC25AHCF  | 25 kW, Supplied as Three-Phase, Field Convertible to Single-Phase with Fuses                     | ALL                                      |
| EHC30AHCF  | 30 kW, Supplied as Three-Phase, Field Convertible to Single-Phase with Circuit Breakers          | 4800, 6000                               |
| <b>EHK Electric Heaters for FCM4X</b>                |  |  |
| EHK05AKN   | 5 kW, Single-Phase, No Internal Circuit Protection   | ALL                                      |
| EHK05AKB   | 5 kW, Single-Phase with Circuit Breakers   | ALL                                      |
| EHK07AKN   | 8 kW, Single-Phase, No Internal Circuit Protection   | ALL                                      |
| EHK07AKB   | 8 kW, Single-Phase with Circuit Breakers   | ALL                                      |
| EHK09AKCN  | 9 kW, Supplied as Single-Phase, Field Convertible to three-phase, No Internal Circuit Protection | 3600, 4800, 6000                         |
| EHK10AKN   | 10 kW, Single-Phase, No Internal Circuit Protection  | ALL                                      |
| EHK10AKB   | 10 kW, Single-Phase with Circuit Breakers  | ALL                                      |
| EHK15AKF   | 15 kW, Single-phase with Fuses   | ALL                                      |
| EHK15AKB   | 15 kW, Single-Phase with Circuit Breakers  | ALL                                      |
| EHK15AHN   | 15 kW, Three-Phase, No Internal Circuit Protection   | ALL                                      |
| EHK18AHN   | 18 kW, Three-phase, No Internal Circuit Protection   | 4800, 6000                               |
| EHK20AKF   | 20 kW, Single-Phase with Fuses   | ALL                                      |
| EHK20AKB   | 20 kW, Single-Phase with Circuit Breakers  | ALL                                      |
| EHK25AHCF  | 24 kW, Supplied as Three-Phase, Field Convertible to Single-Phase with Fuses                     | 4800, 6000                               |
| EHK30AHCF  | 30 kW, Supplied as Three-Phase, Field Convertible to Single-Phase with Fuses                     | 4800, 6000                               |
| <b>EHK Electric Heaters for FVM, FXM4X, FEM, FSM</b> |  |  |
| EHK05AKN   | 5 kW, Single-Phase, No Internal Circuit Protection   | ALL                                      |
| EHK05AKB   | 5 kW, Single-Phase with Circuit Breakers   | ALL                                      |
| EHK07AKN   | 8 kW, Single-Phase, No Internal Circuit Protection   | ALL                                      |
| EHK07AKB   | 8 kW, Single-Phase with Circuit Breakers   | ALL                                      |
| EHK09AKCN  | 9 kW, Supplied as Single-Phase, Field Convertible to Three-Phase, No Internal Circuit Protection | 3600B, 4200B, 4800B, 6000B               |
| EHK10AKN   | 10 kW, Single-Phase, No Internal Circuit Protection  | ALL                                      |
| EHK10AKB   | 10 kW, Single-Phase with Circuit Breakers  | ALL                                      |
| EHK14AKF   | 15 kW, Single-Phase with Fuses   | 2400C, 3000B, 3600B, 4200B, 4800B, 6000B |
| EHK15AKB   | 15 kW, Single-Phase with Circuit Breakers  | 2400C, 3000B, 3600B, 4200B, 4800B, 6000B |
| EHK15AHN   | 15 kW, Three-Phase, No Internal Circuit Protection   | 3600, 4200, 4800, 6000                   |
| EHK18AHN   | 18 kW, Three-Phase, No Internal Circuit Protection   | 4200, 4800, 6000                         |
| EHK20AKF   | 20 kW, Single-Phase with Fuses   | 3000, 3600, 4200, 4800, 6000             |
| EHK20AKB   | 20 kW, Single-Phase with Circuit Breakers  | 3000, 3600, 4200, 4800, 6000             |



# Accessories

## Fan Coil (TXV)

| <b>EHK Electric Heaters for FVM, FXM4X, FEM</b> |   |                 |
|---|---|-----------------|
| <b>Part Number</b>                              | <b>Description</b>  | <b>Use with</b> |
| EHK25AHCF                                       | 24 kW, Supplied as Three-Phase,<br>Field Convertible to Single-Phase with Fuses | 4800B, 6000B    |
| EHK30AHCF                                       | 30 kW, Supplied as Three-Phase,<br>Field Convertible to Single-phase with Fuses | 4800B, 6000B    |
| <b>MV and MF</b>                                |   |                 |
| AMF016DFB1                                      | Downflow Kit  | 16              |
| <b>Electric Heaters for MV and MF Series</b>    |   |                 |
| EHIA00KN10                                      | No Heat Kit   | 08, 12, 16, 20  |
| EHIA05KB10                                      | 5 kW, Single-Phase with C.B.  | 08, 12, 16, 20  |
| EHIA05KN10                                      | 5 kW, Single-Phase with T.B.  | 08, 12, 16, 20  |
| EHIA07KB10                                      | 7.5 kW, Single-Phase with C.B.  | 08, 12, 16, 20  |
| EHIA07KN10                                      | 7.5 kW, Single-Phase with T.B.  | 08, 12, 16, 20  |
| EHIA10KB10                                      | 10 kW, Single-Phase with C.B.   | 08, 12, 16, 20  |
| EHIA10KN10                                      | 10 kW, Single-Phase with T.B.   | 08, 12, 16, 20  |
| EHIA15KB10                                      | 15 kW, Single-Phase with C.B.   | 08, 12, 16, 20  |
| EHIA20KB10                                      | 20 kW, Single-Phase with C.B.   | 12, 16, 20      |
| EHIA25KB10                                      | 25 kW, Single-Phase with C.B.   | 16, 20          |
| EHIA10HB10                                      | 10 kW, Three-Phase with C.B.  | 12, 16, 20      |
| EHIA15HB10                                      | 15 kW, Three-Phase with C.B.  | 12, 16, 20      |
| EHIA20HB10                                      | 20 kW, Three-Phase with C.B.  | 16, 20          |
| EHIA25HB10                                      | 25 kW, Three-Phase with C.B.  | 16, 20          |
| <b>Accessories for FMA4X</b>                    |   |                 |
| EHK205B   | 5 kW, Single-Phase  | ALL             |
| EHK208B   | 7.5 kW, Single-Phase  | ALL             |
| EHK210B   | 10 kW, Single-Phase   | ALL             |
| AMWK001WG                                       | Louvered Wall Panel with Frame (6 pack)   | 18, 24          |
| AMWK002WG                                       | Louvered Wall Panel with Frame (6 pack)   | 30, 36          |
| NAEA20101TX                                     | TXV Kit, R-22   | 18, 24, 30, 36  |
| NAEA40501TX                                     | TXV Kit, R-410A   | 18, 24, 30      |
| NAEA40601TX                                     | TXV Kit, R-410A   | 36              |
| <b>Accessories for FMU4X and FMC4X</b>          |   |                 |
| EHK305B   | 5 kW, Single-Phase  | ALL             |
| EHK308B   | 7.5 kW, Single-Phase  | ALL             |
| EHK310B   | 10 kW, Single-Phase   | ALL             |
| NASA00101GF                                     | Louvered Wall Panel with Filter Rack – Small                                    | 18, 24          |
| NASA00201GF                                     | Louvered Wall Panel with Filter Rack – Large                                    | 30, 36          |
| NASA00101CC                                     | Access Panel – Small  | 18, 24          |
| NASA00201CC                                     | Access Panel – Large  | 30, 36          |
| NAEA20101TX                                     | TXV Kit, R-22   | 18, 24, 30, 36  |
| NAEA40501TX                                     | TXV Kit, R410A  | 18, 24, 30      |
| NAEA40601TX                                     | TXV Kit, R410A  | 36              |

# EAM4X

## Multi-Position Evaporator Coils Cased A-Coils

1-1/2 – 5 Tons



### Features

- Bolt-on R-410A TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections (additional two for horizontal installation)
- Two-piece delta plate for easier removal and cleaning
- Cabinet widths match flush with ICP gas furnaces
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, 22-gauge, pre-painted steel cabinet
- Multi-position installation - upflow, downflow, or horizontal
- One or two UV light knock-outs provided on cabinet (depending on size)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in (mm) |
|--------------|-------------|--|
| EAMA4X18L14A | 1-1/2       | 25-13/16 x 14-3/16 x 20-5/8 (659 x 361 x 524)  |
| EAMA4X19L17A | 1-1/2       | 25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)   |
| EAMA4X24L14A | 2           | 25-13/16 x 14-3/16 x 20-5/8 (659 x 361 x 524)  |
| EAMA4X24L17A | 2           | 25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)   |
| EAMA4X25L17A | 2           | 29-3/4 x 17-1/2 x 20-5/8 (757 x 445 x 524)     |
| EAMA4X30L14A | 2-1/2       | 25-13/16 x 14-3/16 x 20-5/8 (659 x 361 x 524)  |
| EAMA4X30L17A | 2-1/2       | 25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)   |
| EAMA4X36L17A | 3           | 25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)   |
| EAMA4X36L21A | 3           | 29-3/4 x 21 x 20-5/8 (757 x 533 x 524)         |
| EAMA4X37L17A | 3           | 25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)   |
| EAMA4X37L21A | 3           | 29-3/4 x 21 x 20-5/8 (757 x 533 x 524)         |
| EAMA4X42L21A | 3-1/2       | 29-3/4 x 21 x 20-5/8 (757 x 533 x 524)         |
| EAMA4X42L24A | 3-1/2       | 29-3/4 x 24-1/2 x 20-5/8 (757 x 622 x 524)     |
| EAMA4X43L21A | 3-1/2       | 29-3/4 x 21 x 20-5/8 (757 x 533 x 524)         |
| EAMA4X48L21A | 4           | 29-3/4 x 21 x 20-5/8 (757 x 533 x 524)         |
| EAMA4X48L24A | 4           | 29-3/4 x 21 x 20-5/8 (757 x 533 x 524)         |
| EAMA4X60L21A | 5           | 35 x 21 x 20-5/8 (889 x 533 x 524)             |
| EAMA4X60L24A | 5           | 35 x 24-1/2 x 20-5/8 (889 x 622 x 524)         |
| EAMA4X61L24A | 5           | 35 x 24-1/2 x 20-5/8 (889 x 622 x 524)         |



# EAD4X

## Upflow or Downflow Evaporator Coils Cased A-Coils

1-1/2 – 5 Tons

### Features

- Bolt-on R-410A TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections (additional two for horizontal installation)
- Two-piece delta plate for easier removal and cleaning
- Cabinet widths match flush with ICP gas furnaces
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, 22-gauge, pre-painted steel cabinet
- Vertical installation – upflow or downflow
- One or two UV light knock-outs provided on cabinet (depending on size)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in (mm) |
|--------------|-------------|--|
| EAD4X19L17A  | 1-1/2       | 25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)   |
| EAD4X25L17A  | 2           | 29-3/4 x 17-1/2 x 20-5/8 (757 x 445 x 524)     |
| EAD4X37L17A  | 3           | 25-13/16 x 17-1/2 x 20-5/8 (659 x 445 x 524)   |
| EAD4X37L21A  | 3           | 29-3/4 x 21 x 20-5/8 (757 x 533 x 524)         |
| EAD4X43L21A  | 3-1/2       | 29-3/4 x 21 x 20-5/8 (757 x 533 x 524)         |
| EAD4X61L24A  | 5           | 35 x 24-1/2 x 20-5/8 (889 x 622 x 524)         |

# EAA4X

## Upflow and Downflow Evaporator Coils Uncased A-Coils

1-1/2 – 5 Tons



### Features

- Bolt-on R-410A TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two-piece delta plate for easier removal and cleaning
- Hemmed flanges for safer handling
- Vertical installation – upflow or downflow
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in. (mm) |
|--------------|-------------|---|
| EAA4X18L14A  | 1-1/2       | 13-5/8 x 13 x 20-1/8 (346 x 330 x 511)          |
| EAA4X24L14A  | 2           | 17-3/4 x 13 x 20-1/8 (451 x 330 x 511)          |
| EAA4X24L17A  | 2           | 21-7/8 x 13 x 20-1/8 (556 x 330 x 511)          |
| EAA4X30L14A  | 2-1/2       | 17-1/4 x 16-5/16 x 20-1/8 (451 x 414 x 511)     |
| EAA4X30L17A  | 2-1/2       | 21-7/8 x 16-5/16 x 20-1/8 (545 x 414 x 511)     |
| EAA4X36L17A  | 3           | 23-9/16 x 16-5/16 x 20-1/8 (598 x 414 x 511)    |
| EAA4X36L21A  | 3           | 23 x 19-13/16 x 20-1/8 (584 x 503 x 511)        |
| EAA4X42L21A  | 3-1/2       | 25-1/16 x 19-13/16 x 20-1/8 (637 x 503 x 511)   |
| EAA4X48L21A  | 4           | 25-5/16 x 19-13/16 x 20-1/8 (643 x 503 x 511)   |
| EAA4X48L24A  | 4           | 24-13/16 x 23-5/16 x 20-1/8 (630 x 592 x 511)   |
| EAA4X60L24A  | 5           | 31-1/16 x 23-5/16 x 20-1/8 (789 x 592 x 511)    |



# END4X

## Vertical Evaporator Coils Cased N-Coils

1-1/2 – 5 Tons  
Environmentally Sound R-410A Systems

### Features

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Cabinet widths match flush with ICP 14-3/16", 17-1/2", 21" and 24-1/2" gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)
- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Upflow or downflow installation (cased use only)
- Compact design
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in. (mm) |
|--------------|-------------|---|
| END4X18L14A  | 1-1/2       | 12-5/8 x 14-3/16 x 21 (321 x 360 x 533)         |
| END4X19L17A  | 1-1/2       | 17 x 17-1/2 x 21 (432 x 445 x 533)              |
| END4X24L14A  | 2           | 14-5/8 x 14-3/16 x 21 (372 x 360 x 533)         |
| END4X24L17A  | 2           | 14-5/8 x 17-1/2 x 21 (372 x 445 x 533)          |
| END4X30L14A  | 2-1/2       | 17 x 14-3/16 x 21 (432 x 360 x 533)             |
| END4X30L17A  | 2-1/2       | 17 x 17-1/2 x 21 (432 x 445 x 533)              |
| END4X31L17A  | 2-1/2       | 23-1/4 x 17-1/2 x 21 (591 x 445 x 533)          |
| END4X36L17A  | 3           | 17 x 17-1/2 x 21 (432 x 445 x 533)              |
| END4X36L21A  | 3           | 17 x 21 x 21 (432 x 533x 533)                   |
| END4X37L17A  | 3           | 27-3/16 x 17-1/2 x 21 (691 x 445 x 533)         |
| END4X42L17A  | 3-1/2       | 21-1/8 x 17-1/2 x 21 (537 x 445 x 533)          |
| END4X42L21A  | 3-1/2       | 19 x 21 x 21 (483 x 533 x 533)                  |
| END4X43L24A  | 3-1/2       | 26-5/16 x 24-1/2 x 21 (669 x 622 x 533)         |
| END4X48L21A  | 4           | 22-1/16 x 21 x 21 (560 x 533 x 533)             |
| END4X48L24A  | 4           | 22-1/16 x 24-1/2 x 21 (560 x 622 x 533)         |
| END4X60L24A  | 5           | 26-7/8 x 24-1/2 x 21 (683 x 622 x 533)          |
| END4X61L24A  | 5           | 32-7/16 x 24-1/2 x 21 (824 x 622 x 533)         |

# ENW4X

## Vertical Evaporator Coils Cased N-Coils

3 – 5 Tons  
Environmentally Sound R-410A Systems



### Features

- Drain pan raised 2" (51 mm) and block-off plate factory installed – for installing wider coil on narrower furnace
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Upflow or downflow installation (cased use only)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in. (mm) |
|--------------|-------------|---|
| ENW4X36L17A  | 3           | 19-13/16 x 17-1/2 x 21 (503 x 445 x 533)        |
| ENW4X42L21A  | 3-1/2       | 21-13/16 x 21 x 21 (432 x 533 x 533)            |
| ENW4X48L21A  | 4           | 24-7/8 x 21 x 21 (632 x 533 x 533)              |
| ENW4X60L24A  | 5           | 29-1/8 x 24-1/2 x 21 (740 x 622 x 533)          |



# ENH4X

## Horizontal Evaporator Coils Cased N-Coils

2 – 5 Tons  
Environmentally Sound R-410A Systems

### Features

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Cabinet widths match flush with ICP 17-1/2", 21" and 24-1/2" gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)
- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet
- Horizontal installation
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in. (mm) |
|--------------|-------------|---|
| ENH4X24L17A  | 2           | 19 x 17-1/2 x 20-3/4 (483 x 445 x 527)          |
| ENH4X30L17A  | 2-1/2       | 22-1/16 x 17-1/2 x 20-3/4 (560 x 445 x 527)     |
| ENH4X31L17A  | 2-1/2       | 27-1/2 x 17-1/2 x 20-3/4 (699 x 445 x 527)      |
| ENH4X36L17A  | 3           | 22-1/16 x 17-1/2 x 20-3/4 (560 x 445 x 527)     |
| ENH4X42L21A  | 3-1/2       | 22-1/16 x 21 x 20-3/4 (560 x 533 x 527)         |
| ENH4X43L21A  | 3-1/2       | 30-1/8 x 21 x 20-3/4 (766 x 533 x 527)          |
| ENH4X48L21A  | 4           | 28-1/16 x 21 x 20-3/4 (713 x 533 x 527)         |
| ENH4X60L24A  | 5           | 29 x 24-1/2 x 20-3/4 (737 x 622 x 527)          |
| ENH4X61L24A  | 5           | 29-1/16 x 24-1/2 x 20-3/4 (737 x 622 x 527)     |

# EDM4X

## Cased Multi-Position A-Coils

1-1/2 – 5 Tons

Environmentally Sound R-410A Systems

Widths Match 15-1/2, 19-1/4, 22-3/4, 24-1/2 ICP Gas Furnaces



### Features

- Removable front access panel
- Easy slide-out coil for inspection
- Two UV light knock-outs provided on cabinet
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Multi-position installation – upflow, downflow or horizontal
- Sturdy, 22-gauge, pre-painted steel cabinet
- Upflow or downflow installation (cased use only)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Coil Features

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections
- Two-piece delta plate for easier removal and cleaning

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq in. (mm)) |
|--------------|-------------|---|
| EDM4X18BAL   | 1-1/2       | 25-7/8 x 15-5/8 x 20-5/8 (657 x 397 x 524)      |
| EDM4X24BAL   | 2           | 25-7/8 x 15-5/8 x 20-5/8 (657 x 397 x 524)      |
| EDM4X24FAL   | 2           | 25-7/8 x 19-1/4 x 20-5/8 (657 x 489 x 524)      |
| EDM4X30BAL   | 2-1/2       | 25-7/8 x 15-5/8 x 20-5/8 (657 x 397 x 524)      |
| EDM4X30FAL   | 2-1/2       | 25-7/8 x 19-1/4 x 20-5/8 (657 x 489 x 524)      |
| EDM4X36BAL   | 3           | 29-3/4 x 15-5/8 x 20-5/8 (756 x 397 x 524)      |
| EDM4X36FAL   | 3           | 29-3/4 x 19-1/4 x 20-5/8 (756 x 489 x 524)      |
| EDM4X36JAL   | 3           | 29-3/4 x 22-7/8 x 20-5/8 (756 x 581 x 524)      |
| EDM4X42FAL   | 3-1/2       | 29-3/4 x 19-1/4 x 20-5/8 (756 x 489 x 524)      |
| EDM4X42JAL   | 3-1/2       | 29-3/4 x 19-1/4 x 20-5/8 (756 x 489 x 524)      |
| EDM4X42LAL   | 3-1/2       | 29-3/4 x 22-7/8 x 20-5/8 (756 x 581 x 524)      |
| EDM4X48FAL   | 4           | 35 x 19-1/4 x 20-5/8 (889 x 489 x 524)          |
| EDM4X48JAL   | 4           | 29-3/4 x 22-7/8 x 20-5/8 (756 x 581 x 524)      |
| EDM4X48LAL   | 4           | 29-3/4 x 24-1/2 x 20-5/8 (756 x 622 x 524)      |
| EDM4X60JAL   | 5           | 35 x 22-7/8 x 20-5/8 (889 x 581 x 524)          |
| EDM4X60LAL   | 5           | 35 x 24-1/2 x 20-5/8 (881 x 622 x 524)          |





# ENA4X

## Vertical Evaporator Coils Uncased N-Coils

1-1/2 – 5 Tons  
Environmentally Sound R-410A Systems

### Features

- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Upflow or downflow installation (plenum use only)
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

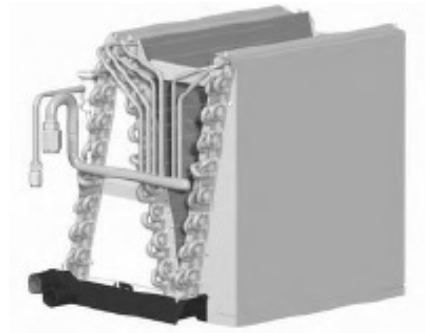
### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in. (mm) |
|--------------|-------------|---|
| ENA4X18L14A  | 1-1/2       | 10-7/8 x 12-7/8 x 19-3/8 (276 x 327 x 492)      |
| ENA4X19L17A  | 1-1/2       | 14-11/16 x 16-1/4 x 19-3/8 (373 x 413 x 492)    |
| ENA4X24L14A  | 2           | 12-7/8 x 12-7/8 x 19-3/8 (327 x 327 x 492)      |
| ENA4X24L17A  | 2           | 12-11/16 x 16-1/4 x 19-3/8 (322 x 413 x 492)    |
| ENA4X30L14A  | 2-1/2       | 14-7/8 x 12-7/8 x 19-3/8 (378 x 327 x 492)      |
| ENA4X30L17A  | 2-1/2       | 14-11/16 x 16-1/4 x 19-3/8 (373 x 413 x 492)    |
| ENA4X31L17A  | 2-1/2       | 20-3/4 x 16-1/4 x 19-3/8 (527 x 413 x 492)      |
| ENA4X36L17A  | 3           | 14-11/16 x 16-1/4 x 19-3/8 (373 x 413 x 492)    |
| ENA4X36L21A  | 3           | 14-7/16 x 19-5/8 x 19-3/8 (367 x 499 x 492)     |
| ENA4X37L17A  | 3           | 24-3/4 x 16-1/4 x 19-3/8 (629 x 413 x 492)      |
| ENA4X42L21A  | 3-1/2       | 16-1/2 x 19-5/8 x 19-3/8 (419 x 499 x 492)      |
| ENA4X43L24A  | 3-1/2       | 24-3/8 x 23-1/8 x 19-3/8 (619 x 587 x 492)      |
| ENA4X48L21A  | 4           | 20-9/16 x 19-5/8 x 19-3/8 (522 x 499 x 492)     |
| ENA4X48L24A  | 4           | 20-5/16 x 23-1/8 x 19-3/8 (516 x 587 x 492)     |
| ENA4X60L24A  | 5           | 24-3/8 x 23-1/8 x 19-3/8 (619 x 587 x 492)      |
| ENA4X61L24A  | 5           | 30-1/2 x 23-1/8 x 19-3/8 (774 x 587 x 492)      |

# EMA4X

## Coils for Manufactured Housing

### 2, 3 and 4 Tons Environmentally Sound R-410A Systems



#### Features

- Designed for mobile home downflow gas furnaces
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- “N” evaporator design to keep height at a minimum
- Shipped with condensate drain hose and trap
- Shipped with fittings and adapter plates
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

#### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

#### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in. (mm) |
|--------------|-------------|---|
| EMA4X24DAL   | 2           | 12-5/8 x 17-7/8 x 19-9/16 (321 x 454 x 497)     |
| EMA4X36DAL   | 3           | 14-11/16 x 17-7/8 x 19-9/16 (373 x 454 x 497)   |
| EMA4X48DAL   | 4           | 18-3/4 x 17-7/8 x 19-9/16 (476 x 454 x 497)     |



# EHD4X

## Cased Horizontal Duct Coils

2 – 5 Tons  
Environmentally Sound R-410A Systems

### Features

- Horizontal, bi-directional airflow
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Slide-out feature for easy cleaning
- Pre-painted steel cabinet
- Aluminum main tubing and aluminum fins (copper stubs for field connection)

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Size (tons) | Operating Dimensions<br>H x W x D (sq) in. (mm) |
|--------------|-------------|---|
| EHD4X24AAL   | 2           | 28-3/8 x 11-3/4 x 24-1/16 (721 x 298 x 637)     |
| EHD4X30AAL   | 2-1/2       | 28-3/8 x 11-3/4 x 24-1/16 (721 x 298 x 637)     |
| EHD4X36AAL   | 3           | 28-3/8 x 11-3/4 x 28-13/16 (721 x 298 x 732)    |
| EHD4X42AAL   | 3-1/2       | 28-3/8 x 11-3/4 x 28-13/16 (721 x 298 x 732)    |
| EHD4X48AAL   | 4           | 30-3/8 x 11-3/4 x 28-13/16 (772 x 298 x 732)    |
| EHD4X60AAL   | 5           | 30-3/8 x 11-3/4 x 38-15/16 (772 x 298 x 989)    |

# MB

## Modular Blower Cabinet



2, 3 and 4 Tons

### Features

- Air conditioning ready
- Heat pump ready (no electric heat)
- Upflow, downflow, horizontal right or left applications
- Three speed PSC motor on all models
- Thermosetting powder coated steel cabinet
- 115V-1-60 supply voltage
- Matches with AC and HP cased coils

### Service

- Direct drive slide-out blower assembly

### Quality

- Internally lined with 1/2" (12.7 mm) insulation

### Warranty\*

- Five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions,  
including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Nominal Tons | Nominal CFM | Motor HP | Operating Dimensions H x W x D (sq) in. (mm) | Unit Wt. lbs (kg) | Ship Wt. lbs (kg) |
|--------------|--------------|-------------|----------|--|-------------------|-------------------|
| MB080014C    | 2            | 800         | 1/3      | 24 x 14-1/2 x 20-1/2<br>(610 x 360 x 521)    | 54 (25)           | 58 (26)           |
| MB120017C    | 3            | 1200        | 1/2      | 24 x 17-1/2 x 20-1/2<br>(610 x 445 x 521)    | 58 (26)           | 62 (28)           |
| MB160021C    | 4            | 1600        | 1/2      | 25 x 21 x 20-1/2<br>(635 x 533 x 521)        | 70 (32)           | 75 (34)           |
| MB200024C    | 5            | 2000        | 3/4      | 25 x 24-1/2 x 20-1/2<br>(635 x 622 x 521)    | 73 (33)           | 79 (36)           |



# MF

## Modular Electric Furnace

2, 3, 4 and 5 Tons

### Features

- Modular blower cabinet, air conditioning or heat pump ready
- Upflow, horizontal right or left applications
- Downflow requires sub-base accessory
- Electronic fan control board
- Three speed PSC motor on all models
- Matches with AC and HP cased coils (hot water coil may be used, but doesn't match case size)
- Accepts accessory two-stage outdoor thermostats
- 208/230-1-60 supply voltage
- Requires a "NO HEAT KIT" if installed without electric heat
- Field installed electric heater packages from 5kW-25kW, single- or three-phase available separately

### Service

- Direct drive slide-out blower assembly

### Quality

- Internally lined with 1/2" (12.7 mm) insulation
- Thermosetting powder coated steel cabinet

### Warranty\*

- Five-year parts limited warranty

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Nominal Tons | Nominal CFM | Motor HP | Operating Dimensions H x W x D (sq) in. (mm) | Unit Wt. lbs (kg) | Ship Wt. lbs (kg) |
|--------------|--------------|-------------|----------|--|-------------------|-------------------|
| MF080014C    | 2            | 800         | 1/3      | 24 x 14-1/2 x 20-1/2<br>(610 x 360 x 521)    | 54 (25)           | 58 (26)           |
| MF120017C    | 3            | 1200        | 1/2      | 24 x 17-1/2 x 20-1/2<br>(610 x 445 x 521)    | 58 (26)           | 62 (28)           |
| MF160021C    | 4            | 1600        | 1/2      | 25 x 21 x 20-1/2<br>(635 x 533 x 521)        | 70 (32)           | 75 (34)           |
| MF200024C    | 5            | 2000        | 3/4      | 25 x 24-1/2 x 20-1/2<br>(635 x 622 x 521)    | 73 (33)           | 79 (36)           |

# MV

## Modular Variable-Speed Blower Cabinet

2, 3, 4 and 5 Tons



### Features

- Variable-speed modular blower
- Supports two-stage outdoor units
- Dehumidification speed: 80% airflow
- Efficient low continuous fan selection: 50% airflow
- Upflow, horizontal right or left applications
- Downflow requires sub-base accessory
- Electronic fan control board
- Adjustable blower time delay
- Accepts accessory two-stage outdoor thermostats
- Matches with AC and HP cased coils
- 208/230-1-60 supply voltage
- Requires a "NO HEAT KIT" if installed without electric heat
- Field installed electric heater packages from 5kW-25kW, single- or three-phase available separately

### Service

- Direct drive slide-out blower assembly

### Quality

- Internally lined with 1/2" (12.7 mm) insulation
- Thermosetting powder coated steel cabinet

### Warranty\*

- Five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Nominal Tons | Nominal CFM | Motor HP | Operating Dimensions H x W x D (sq) in. (mm) | Unit Wt. lbs (kg) | Ship Wt. lbs (kg) |
|--------------|--------------|-------------|----------|--|-------------------|-------------------|
| MV080014C    | 2            | 800         | 1/2      | 24 x 14-1/2 x 20-1/2<br>(610 x 360 x 521)    | 54 (25)           | 58 (26)           |
| MV120017C    | 3            | 1200        | 1/2      | 24 x 17-1/2 x 20-1/2<br>(610 x 445 x 521)    | 58 (26)           | 62 (28)           |
| MV0160021C   | 4            | 1600        | 3/4      | 25 x 21 x 20-1/2<br>(635 x 533 x 521)        | 70 (32)           | 75 (34)           |
| MV200024C    | 5            | 2000        | 3/4      | 25 x 24-1/2 x 20-1/2<br>(635 x 622 x 521)    | 73 (33)           | 79 (36)           |

# Ductless Systems



# DLCDAR, DLCDHR, DLFDAB, DLFDHB

Outdoor Cooling Only, Outdoor Heat Pump,  
Indoor Cooling Only, Indoor Heat Pump  
High Wall Ductless Split System  
Sizes 09-36



## High Wall Standard Features

- Variable-speed (Inverter)
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto louver mode
- X-Fan mode
- Dehumidifying mode
- Four fan speeds
- Sleep mode
- Quiet operation
- 46° F heating mode (heating setback)
- I FEEL function

## Control Features

- Wireless remote control (standard)
- Wired remote control (optional)

## Unit Performance Data

### Cooling Only – Variable-Speed System

| System Tons | System Btuh | Volt-PH @ 60Hz | SEER | EER  | Indoor Model Number | Outdoor Model Number |
|-------------|-------------|----------------|------|------|---------------------|----------------------|
| 0.75        | 9,000       | 115-1          | 16.0 | 9.6  | DLFDAB09J1A         | DLCDAR09J1A          |
| 1           | 12,000      | 115-1          | 16.0 | 10.6 | DLFDAB12J1A         | DLCDAR12J1A          |
| 0.75        | 9,000       | 208/230-1      | 16.0 | 10.0 | DLFDAB09K1A         | DLCDAR09K1A          |
| 1           | 12,000      | 208/230-1      | 16.0 | 9.3  | DLFDAB12K1A         | DLCDAR12K1A          |
| 1.5         | 18,000      | 208/230-1      | 16.0 | 10.0 | DLFDAB18K1A         | DLCDAR18K1A          |
| 1.83        | 22,000      | 208/230-1      | 16.0 | 9.8  | DLFDAB24K1A         | DLCDAR24K1A          |

### Heating Only with Factory Installed Base Pan Heater – Variable-Speed System

| System Tons | System Btuh | Volt-PH @ 60Hz | SEER | EER  | HSPF | Indoor Model Number | Outdoor Model Number |
|-------------|-------------|----------------|------|------|------|---------------------|----------------------|
| 0.75        | 9,000       | 115-1          | 16.0 | 9.6  | 9.0  | DLFDHB09J1A         | DLCDHR09J1A          |
| 1           | 12,000      | 115-1          | 16.0 | 10.6 | 9.0  | DLFDHB12J1A         | DLCDHR12J1A          |
| 0.75        | 9,000       | 208/230-1      | 16.0 | 10.0 | 9.0  | DLFDHB09K1A         | DLCDHR09K1A          |
| 1           | 12,000      | 208/230-1      | 16.0 | 9.3  | 9.0  | DLFDHB12K1A         | DLCDHR12K1A          |
| 1.5         | 18,000      | 208/230-1      | 16.0 | 9.0  | 9.0  | DLFDHB18K1A         | DLCDHR18K1A          |
| 1.83        | 22,000      | 208/230-1      | 16.0 | 9.8  | 9.0  | DLFDHB24K1A         | DLCDHR24K1A          |
| 2.33        | 28,000      | 208/230-1      | 18.0 | 10.4 | 8.2  | DLFDHB30K1A         | DLCDHR30K1A          |
| 2.8         | 33,600      | 208/230-1      | 18.0 | 8.6  | 8.2  | DLFDHB36K1A         | DLCDHR36K1A          |

## Accessories

| Ordering Number | Description          | For Models  |
|-----------------|----------------------|-------------|
| KSACN0201AAA    | Wired Remote Control | All Systems |





# DLCAHB-Outdoor, DLFAHH-Indoor

## High Wall Ductless Split System

Sizes 09-18

### High Wall Standard Features

- Variable-speed (Inverter), two-stage compressor
- Modes: Cool, Heat, Dry, Fan, Auto
- 80% heating capacity at -22° F
- Auto louver mode
- 180° vertical air supply
- X-Fan mode
- Dehumidifying mode
- Seven fan speeds
- Sleep mode
- Quiet operation
- 46° F heating mode (heating setback)
- I FEEL function

### Control Features

- Wireless remote control (standard)

### Unit Performance Data

#### Heat Pump with Factory Installed Base Pan Heater – Variable-Speed System

| System Tons | System Btuh | Volt-PH @ 60Hz | SEER | EER  | HSPF | Indoor Model Number | Outdoor Model Number |
|-------------|-------------|----------------|------|------|------|---------------------|----------------------|
| 0.75        | 9,000       | 208/230-1      | 30.5 | 15.8 | 10.3 | DLFAHH09K1A         | DLCAHB09K1A          |
| 1           | 12,000      | 208/230-1      | 23.0 | 12.8 | 10.3 | DLFAHH12K1A         | DLCAHB12K1A          |
| 1.5         | 18,000      | 208/230-1      | 21.0 | 12.5 | 10.3 | DLFAHH18K1A         | DLCAHB18K1A          |

Wireless remote control included with indoor unit. Wired remote control not available.

# DLCBHR-Outdoor DLFAAH, DLFDHB, DLFBHC, DLFBHD, DLFBHF

## Multi-Zone Ductless Split System

Sizes 18-56

### High Wall Standard Features

- Variable-speed (Inverter)
- Built-in base pan heater
- Quiet operation
- Connect up to nine multiple style indoor units
  - High wall (DLFAHH and DLFBHB)
  - Cassette (DLFBHC)
  - Ducted (DLFBHD)
  - Floor Console (DLFBHF)



DLFBHB



DLFAHH



DLFBHD



DLFBHC



DLFBHF



### Control Features

- Wireless remote controller included with each indoor unit
- Wired remote controller included with ducted and cassette indoor unit (optional DLFBHB high wall)



Branch Box



18k / 24k / 30k



36k / 42k



18k / 24k / 30k

### Unit Performance Data

#### Outdoor Unit – Heat Pump with Factory Installed Base Pan Heater – Variable-Speed System

| System Tons | System Btuh | Volt-PH @ 60Hz | Min # of Indoor Units | Max # of Indoor Units | SEER | EER  | HSPF | Outdoor Model Number |
|-------------|-------------|----------------|-----------------------|-----------------------|------|------|------|----------------------|
| 1.5         | 18,000      | 208/230-1      | 2                     | 2                     | 22.0 | 10.9 | 9.0  | DLCBHR18K1A          |
| 2           | 24,000      | 208/230-1      | 2                     | 3                     | 20.5 | 10.2 | 11.0 | DLCBHR24K1A          |
| 2.5         | 30,000      | 208/230-1      | 2                     | 4                     | 21.0 | 12.0 | 10.2 | DLCBHR30K1A          |
| 3           | 36,000      | 208/230-1      | 2                     | 4                     | 21.0 | 12.1 | 10.2 | DLCBHR36K1A          |
| 3.5         | 42,000      | 208/230-1      | 2                     | 5                     | 21.0 | 10.4 | 10.2 | DLCBHR42K1A          |
| 4           | 48,000      | 208/230-1      | 2                     | 8                     | 16.0 | 9.5  | 8.2  | DLCBHR48K1A          |
| 4.67        | 56,000      | 208/230-1      | 2                     | 9                     | 16.0 | 9.4  | 8.2  | DLCBHR56K1A          |

Note: All ports do not need to be used at time of the original installation. Future system expansion is possible.

Branch Box is required on sizes 48 and 56; sold separately.

#### High Wall DLFAHH Indoor Unit

| Unit Tons | Unit Btuh | Volt-PH @ 60Hz | Indoor Model Number |
|-----------|-----------|----------------|---------------------|
| 0.75      | 9,000     | 208/230-1      | DLFAHH09K1A         |
| 1         | 12,000    | 208/230-1      | DLFAHH12K1A         |
| 1.5       | 18,000    | 208/230-1      | DLFAHH18K1A         |

Note: Wireless remote controller included with each indoor unit. Wired remote control not available.

# DLCBHR-Outdoor DLFAAH, DLFDHB, DLFBHC, DLFBHD, DLFBHF con't Multi-Zone Ductless Split System

Sizes 18-56

## Unit Performance Data

### High Wall DLFBHB Indoor Unit

| Unit Tons | Unit Btuh | Volt-PH @ 60Hz | Indoor Model Number |
|-----------|-----------|----------------|---------------------|
| 0.75      | 9,000     | 208/230-1      | DLFBHB09K1A         |
| 1         | 12,000    | 208/230-1      | DLFBHB12K1A         |
| 1.5       | 18,000    | 208/230-1      | DLFBHB18K1A         |
| 2         | 24,000    | 208/230-1      | DLFBHB24K1A         |

**Note:** Wireless remote controller included with each indoor unit. Wired remote control not available.

### Cassette Indoor Unit

| Unit Tons | Unit Btuh | Volt-PH @ 60Hz | Indoor Model Number | Grille Model Number |
|-----------|-----------|----------------|---------------------|---------------------|
| 1         | 12,000    | 208/230-1      | DLFBHC12K1A         | DLFBHC01K1A         |
| 1.5       | 18,000    | 208/230-1      | DLFBHC18K1A         | DLFBHC01K1A         |
| 2         | 24,000    | 208/230-1      | DLFBHC24K1A         | DLFBHC02K1A         |

**Note:** Wireless and wired remote controller included with each indoor unit. Condensate pump factory installed on indoor unit.  
**Grille is required; sold separately.**

### Ducted Indoor Unit

| Unit Tons | Unit Btuh | Volt-PH @ 60Hz | Indoor Model Number |
|-----------|-----------|----------------|---------------------|
| 0.75      | 9,000     | 208/230-1      | DLFBHD09K1A         |
| 1         | 12,000    | 208/230-1      | DLFBHD12K1A         |
| 1.5       | 18,000    | 208/230-1      | DLFBHD18K1A         |
| 1.75      | 21,000    | 208/230-1      | DLFBHD21K1A         |
| 2         | 24,000    | 208/230-1      | DLFBHD24K1A         |

**Note:** Wireless and wired remote controller included with each indoor unit.  
Condensate pump factory installed on indoor unit.

### Floor Console Indoor Unit

| Unit Tons | Unit Btuh | Volt-PH @ 60Hz | Indoor Model Number |
|-----------|-----------|----------------|---------------------|
| 0.75      | 9,000     | 208/230-1      | DLFBHF09K1A         |
| 1         | 12,000    | 208/230-1      | DLFBHF12K1A         |
| 1.5       | 18,000    | 208/230-1      | DLFBHF18K1A         |

**Note:** Wireless remote controller included with each indoor unit. Wired remote control not available.

### Accessories

| Ordering Number | Description                 | For Models                   |
|-----------------|-----------------------------|------------------------------|
| KSACN0201AAA    | Wired Remote Control        | DLFBHB Indoor Unit Only      |
| DLFBHC01K1A     | Grille/Ceiling Panel        | Cassette Indoor Units 12, 18 |
| DLFBHC02K1A     | Grille/Ceiling Panel        | Cassette Indoor Units 24     |
| KSAUI0201AAA    | Multi Two-Port Branch Box   | Multi-Zone 48, 56 (230v)     |
| KASUI0401AAA    | Multi Three-Port Branch Box | Multi-Zone 48, 56 (230v)     |
| KSAUI0501AAA    | Y-Type Branch Tube          | Multi-Zone 48, 56 (230v)     |

# DLCCAR, DLCCHR, DLFCAB, DLFCHB

Outdoor Cooling Only, Outdoor Heat Pump,  
Indoor Cooling Only, Indoor Heat Pump  
High Wall Ductless Split System

Sizes 09-36



## High Wall Standard Features

- Variable-speed (Inverter)
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto louver mode
- X-Fan mode
- Dehumidifying mode
- Four fan speeds
- Sleep mode
- Quiet operation
- 46° F heating mode (heating setback)
- I FEEL function

## Control Features

- Wireless remote control (standard)
- Wired remote control (optional)

## Unit Performance Data

### Cooling Only – Variable-Speed System

| System Tons | System Btuh | Volt-PH @ 60Hz | SEER | EER  | Indoor Model Number | Outdoor Model Number |
|-------------|-------------|----------------|------|------|---------------------|----------------------|
| 0.75        | 9,000       | 115-1          | 23.0 | 13.0 | DLFCAB09J1A         | DLCCAR09J1A          |
| 1           | 12,000      | 115-1          | 22.0 | 13.0 | DLFCAB12J1A         | DLCCAR12J1A          |
| 0.75        | 9,000       | 208/230-1      | 23.0 | 14.0 | DLFCAB09K1A         | DLCCAR09K1A          |
| 1           | 12,000      | 208/230-1      | 22.0 | 13.0 | DLFCAB12K1A         | DLCCAR12K1A          |
| 1.5         | 18,000      | 208/230-1      | 20.0 | 13.0 | DLFCAB18K1A         | DLCCAR18K1A          |
| 1.83        | 22,000      | 208/230-1      | 20.0 | 13.3 | DLFCAB24K1A         | DLCCAR24K1A          |
| 2.33        | 28,000      | 208/230-1      | 18.0 | 10.4 | DLFCAB30K1A         | DLCCAR30K1A          |
| 2.8         | 33,600      | 208/230-1      | 18.0 | 8.2  | DLFCAB36K1A         | DLCCAR36K1A          |

Wireless remote control included with indoor unit.

### Heat Pump with Factory Installed Base Pan Heater – Variable-Speed System

| System Tons | System Btuh | Volt-PH @ 60Hz | SEER | EER  | HSPF | Indoor Model Number | Outdoor Model Number |
|-------------|-------------|----------------|------|------|------|---------------------|----------------------|
| 0.75        | 9,000       | 115-1          | 23.0 | 12.9 | 10.5 | DLFCHB09J1A         | DLCCHR09J1A          |
| 1           | 12,000      | 115-1          | 22.0 | 12.5 | 10.2 | DLFCHB12J1A         | DLCCHR12J1A          |
| 0.75        | 9,000       | 208/230-1      | 23.0 | 14.3 | 10.5 | DLFCHB09K1A         | DLCCHR09K1A          |
| 1           | 12,000      | 208/230-1      | 22.0 | 12.5 | 10.1 | DLFCHB12K1A         | DLCCHR12K1A          |
| 1.5         | 18,000      | 208/230-1      | 20.0 | 12.5 | 10.0 | DLFCHB18K1A         | DLCCHR18K1A          |
| 1.83        | 22,000      | 208/230-1      | 20.0 | 12.5 | 10.0 | DLFCHB24K1A         | DLCCHR24K1A          |
| 2.33        | 28,000      | 208/230-1      | 18.0 | 10.4 | 9.0  | DLFCHB30K1A         | DLCCHR30K1A          |
| 2.8         | 33,600      | 208/230-1      | 18.0 | 8.2  | 9.0  | DLFCHB36K1A         | DLCCHR36K1A          |

Wireless remote control included with indoor unit.

# Small Packaged Products



# PGR5

Up to 16.0 SEER, Up to 12.5 EER Package Gas/Electric

2 – 5 Tons

208 / 230 Volt, Single-Phase, 60 Hz



## Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Tin-coated copper evaporator coil standard
- Two-stage scroll compressors standard on all models
- Two-stage gas valve and two-speed inducer motor on all models

## Built to Last

- Hail guard (3/8" spacing) wire grilles standard
- Induced-draft combustion and venting
- High-efficiency ECM indoor blower motor on all models
- Pre-painted steel cabinet
- Direct spark ignition
- Stainless steel tubular heat exchanger standard
- Vertical condenser fan discharge
- Full perimeter steel base rails
- Crankcase heaters on select models
- High- and low-pressure switches provide added reliability for the compressor

## Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

## Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- 10-year parts limited warranty (including compressor and coils) and lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty and 20-year heat exchanger limited warranty if not registered within 90 days of original installation

\* See warranty certificate for complete details and restrictions.

## Unit Performance Data

| Model Number   | Net Capacity<br>BTU/h<br>High/Low | SEER | EER  | Input BTU/h    | Efficiency<br>AFUE % | Unit Dimensions<br>H x W x D Inches (mm)          | Operating<br>Weight lbs (kg) |
|----------------|-----------------------------------|------|------|----------------|----------------------|---|------------------------------|
| PGR524040KGP*B | 23,000                            | 15.0 | 12.0 | 40,000/26,000  | 81.0                 | 44-1/8 x 48-3/16 x 32-5/8<br>(1121 x 1224 x 829)  | 344 (156)                    |
| PGR524060KGP*B | 23,000                            | 15.0 | 12.0 | 60,000/39,000  | 81.0                 | 44-1/8 x 48-3/16 x 32-5/8<br>(1121 x 1224 x 829)  | 344 (156)                    |
| PGR530040KGP*B | 29,000                            | 15.0 | 12.0 | 40,000/26,000  | 81.0                 | 44-1/8 x 48-3/16 x 32-5/8<br>(1121 x 1224 x 829)  | 351 (159)                    |
| PGR530060KGP*B | 29,000                            | 15.0 | 12.0 | 60,000/39,000  | 81.0                 | 44-1/8 x 48-3/16 x 32-5/8<br>(1121 x 1224 x 829)  | 351 (159)                    |
| PGR536060KGP*B | 35,400                            | 16.0 | 12.5 | 60,000/39,000  | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1122) | 447 (203)                    |
| PGR536090KGP*B | 35,400                            | 16.0 | 12.5 | 90,000/58,500  | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1122) | 447 (203)                    |
| PGR542060KGP*B | 42,000                            | 16.0 | 12.5 | 60,000/39,000  | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1122) | 447 (203)                    |
| PGR542090KGP*B | 42,000                            | 16.0 | 12.5 | 90,000/58,500  | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1122) | 447 (203)                    |
| PGR548090KGP*B | 47,500                            | 16.0 | 12.3 | 90,000/58,500  | 81.0                 | 50-3/4 x 48-3/16 x 44-1/8<br>(1289 x 1224 x 1122) | 492 (223)                    |
| PGR548115KGP*B | 47,500                            | 16.0 | 12.3 | 115,000/75,000 | 81.0                 | 50-3/4 x 48-3/16 x 44-1/8<br>(1289 x 1224 x 1122) | 492 (223)                    |
| PGR548130KGP*B | 47,500                            | 16.0 | 12.3 | 127,000/84,500 | 81.0                 | 50-3/4 x 48-3/16 x 44-1/8<br>(1289 x 1224 x 1122) | 492 (223)                    |
| PGR560090KGP*B | 57,000                            | 16.0 | 12.3 | 90,000/58,500  | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1122) | 512 (232)                    |
| PGR560115KGP*B | 57,000                            | 16.0 | 12.3 | 115,000/75,000 | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1122) | 512 (232)                    |
| PGR560130KGP*B | 57,000                            | 16.0 | 12.3 | 127,000/84,500 | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1122) | 512 (232)                    |

\* 0 = Standard, 1 = Low NOx



# PGS4

Up to 14.5 SEER Package Gas/Electric

2 – 5 Tons  
208 / 230 Volt, Single-Phase, 60 Hz

## Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Tin-coated copper evaporator coil standard
- Dehumidification mode (airflow reduction) on all models

## Built to Last

- Stainless steel tubular heat exchanger
- Factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (GC) (Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)
- Hail guard (3/8" spacing) wire grilles on all models
- Induced-draft combustion and venting
- Direct spark ignition
- High-efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High-pressure switch provides added reliability for the compressor

## Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

## Warranty\*

- Three-year No Hassle Replacement™ limited warranty
- 10-year parts limited warranty (including compressor and coils) with timely registration
- Five-year parts limited warranty and 20-year heat exchanger limited warranty if not registered within 90 days of original installation

\* See warranty certificate for complete details and restrictions.

## Unit Performance Data

| Model Number   | Cooling               |      |      | Heating     |                      | Unit Dimensions<br>H x W x D Inches (mm)          | Operating<br>Weight lbs (kg) |
|----------------|-----------------------|------|------|-------------|----------------------|---|------------------------------|
|                | Net Capacity<br>BTU/h | SEER | EER  | Input BTU/h | Efficiency<br>AFUE % |   |                              |
| PGS424040KGP*E | 23,600                | 14.0 | 11.5 | 40,000      | 81.0                 | 43-3/4 x 48-3/16 x 32-5/8<br>(1111 x 1224 x 829)  | 304 (138)                    |
| PGS424060KGP*E | 23,600                | 14.0 | 11.5 | 60,000      | 81.0                 | 43-3/4 x 48-3/16 x 32-5/8<br>(1111 x 1224 x 829)  | 304 (138)                    |
| PGS430040KGC*E | 28,600                | 14.0 | 11.5 | 40,000      | 81.0                 | 45-3/4 x 48-3/16 x 32-5/8<br>(1162 x 1224 x 829)  | 336 (152)                    |
| PGS430040KGP*E | 28,600                | 14.0 | 11.5 | 40,000      | 81.0                 | 45-3/4 x 48-3/16 x 32-5/8<br>(1162 x 1224 x 829)  | 336 (152)                    |
| PGS430060KGC*E | 28,600                | 14.0 | 11.5 | 60,000      | 81.0                 | 45-3/4 x 48-3/16 x 32-5/8<br>(1162 x 1224 x 829)  | 336 (152)                    |
| PGS430060KGP*E | 28,600                | 14.0 | 11.5 | 60,000      | 81.0                 | 45-3/4 x 48-3/16 x 32-5/8<br>(1162 x 1224 x 829)  | 336 (152)                    |
| PGS436060KGC*E | 34,800                | 14.0 | 11.5 | 60,000      | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 349 (158)                    |
| PGS436060KGP*E | 34,800                | 14.0 | 11.5 | 60,000      | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 349 (158)                    |
| PGS436090KGC*E | 34,800                | 14.0 | 11.5 | 90,000      | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 349 (158)                    |
| PGS436090KGP*E | 34,800                | 14.0 | 11.5 | 90,000      | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 349 (158)                    |
| PGS442060KGC*E | 41,000                | 14.0 | 11.5 | 60,000      | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1122) | 413 (187)                    |
| PGS442060KGP*E | 41,000                | 14.0 | 11.5 | 60,000      | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1122) | 413 (187)                    |
| PGS442090KGC*E | 41,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1122) | 413 (187)                    |
| PGS442090KGP*E | 41,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1122) | 413 (187)                    |

\* 0 = Standard, 1 = Low NOx

# PGS4 (con't)

Up to 14.5 SEER Package Gas/Electric

## Unit Performance Data

| Model Number   | Cooling               |      |      | Cooling     |                      | Unit Dimensions<br>H x W x D Inches (mm)          | Operating<br>Weight lbs (kg) |
|----------------|-----------------------|------|------|-------------|----------------------|---|------------------------------|
|                | Net Capacity<br>BTU/h | SEER | EER  | Input BTU/h | Efficiency<br>AFUE % |   |                              |
| PGS448090KGC*E | 47,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGS448090KGP*E | 47,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGS448115KGC*E | 47,000                | 14.0 | 11.5 | 115,000     | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGS448115KGP*E | 47,000                | 14.0 | 11.5 | 115,000     | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGS448130KGC*E | 47,000                | 14.0 | 11.5 | 127,000     | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGS448130KGP*E | 47,000                | 14.0 | 11.5 | 127,000     | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGS460090KGC*E | 57,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGS460090KGP*E | 57,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGS460115KGC*E | 57,000                | 14.0 | 11.5 | 115,000     | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGS460115KGP*E | 57,000                | 14.0 | 11.5 | 115,000     | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGS460130KGC*E | 57,000                | 14.0 | 11.5 | 127,000     | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGS460130KGP*E | 57,000                | 14.0 | 11.5 | 127,000     | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |

\* 0 = Standard, 1 = Low NOx

GP = Tin-plated evaporator main tubes plus stainless steel heat exchanger.

GC = Low cabinet air leakage plus tin-coated copper evaporator main tubes (30-60 sizes).





# PGD4

Up to 14.5 SEER Package Gas/Electric

2 – 5 Tons  
208 / 230 Volt, Single-Phase, 60 Hz

## Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models

## Built to Last

- Wire grilles with 2" spacing on all models
- Tin-coated copper evaporator main tubes (TP) as factory installed option
- Induced-draft combustion and venting
- Direct spark ignition
- High-efficiency ECM indoor blower motor on all models
- Aluminized steel tubular heat exchanger
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High-pressure switch provides added reliability for the compressor

## Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

## Warranty\*

- 15-year heat exchanger limited warranty
- 10-year parts limited warranty (including compressor and coils) with timely registration
- Five-year parts limited warranty and 15-year heat exchanger limited warranty if not registered within 90 days of original installation

\* See warranty certificate for complete details and restrictions.

## Unit Performance Data

| Model Number   | Cooling               |      |      | Heating     |                      | Unit Dimensions<br>H x W x D Inches (mm)          | Operating<br>Weight lbs (kg) |
|----------------|-----------------------|------|------|-------------|----------------------|---|------------------------------|
|                | Net Capacity<br>BTU/h | SEER | EER  | Input BTU/h | Efficiency<br>AFUE % |   |                              |
| PGD424040K00*E | 23,600                | 14.0 | 11.5 | 40,000      | 81.0                 | 43-3/4 x 48-3/16 x 32-5/8<br>(1111 x 1224 x 829)  | 304 (138)                    |
| PGD424040KTP*E | 23,600                | 14.0 | 11.5 | 40,000      | 81.0                 | 43-3/4 x 48-3/16 x 32-5/8<br>(1111 x 1224 x 829)  | 304 (138)                    |
| PGD424060K00*E | 23,600                | 14.0 | 11.5 | 60,000      | 81.0                 | 43-3/4 x 48-3/16 x 32-5/8<br>(1111 x 1224 x 829)  | 304 (138)                    |
| PGD424060KTP*E | 23,600                | 14.0 | 11.5 | 60,000      | 81.0                 | 43-3/4 x 48-3/16 x 32-5/8<br>(1111 x 1224 x 829)  | 304 (138)                    |
| PGD430040K00*E | 28,600                | 14.0 | 11.5 | 40,000      | 81.0                 | 45-3/4 x 48-3/16 x 32-5/8<br>(1162 x 1224 x 829)  | 336 (152)                    |
| PGD430040KTP*E | 28,600                | 14.0 | 11.5 | 40,000      | 81.0                 | 45-3/4 x 48-3/16 x 32-5/8<br>(1162 x 1224 x 829)  | 336 (152)                    |
| PGD430060K00*E | 28,600                | 14.0 | 11.5 | 60,000      | 81.0                 | 45-3/4 x 48-3/16 x 32-5/8<br>(1162 x 1224 x 829)  | 336 (152)                    |
| PGD430060KTP*E | 28,600                | 14.0 | 11.5 | 60,000      | 81.0                 | 45-3/4 x 48-3/16 x 32-5/8<br>(1162 x 1224 x 829)  | 336 (152)                    |
| PGD436060K00*E | 34,200                | 14.0 | 11.5 | 60,000      | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 349 (158)                    |
| PGD436060KTP*E | 34,200                | 14.0 | 11.5 | 60,000      | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 349 (158)                    |
| PGD436090K00*E | 34,200                | 14.0 | 11.5 | 90,000      | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 349 (158)                    |
| PGD436090KTP*E | 34,200                | 14.0 | 11.5 | 90,000      | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 349 (158)                    |
| PGD442060K00*E | 41,000                | 14.0 | 11.5 | 60,000      | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1123) | 413 (187)                    |
| PGD442060KTP*E | 41,000                | 14.0 | 11.5 | 60,000      | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1123) | 413 (187)                    |
| PGD442090K00*E | 41,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1123) | 413 (187)                    |
| PGD442090KTP*E | 41,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 44-3/4 x 48-3/16 x 44-1/8<br>(1137 x 1224 x 1123) | 413 (187)                    |

# PGD4 (con't)

Up to 14.5 SEER Package Gas/Electric

## Unit Performance Data

| Model Number   | Cooling               |      |      | Heating     |                      | Unit Dimensions<br>H x W x D Inches (mm)          | Operating<br>Weight lbs (kg) |
|----------------|-----------------------|------|------|-------------|----------------------|---|------------------------------|
|                | Net Capacity<br>BTU/h | SEER | EER  | Input BTU/h | Efficiency<br>AFUE % |   |                              |
| PGD448090K00*E | 47,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGD448090KTP*E | 47,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGD448115K00*E | 47,000                | 14.0 | 11.5 | 115,000     | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGD448115KTP*E | 47,000                | 14.0 | 11.5 | 115,000     | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGD448130K00*E | 47,000                | 14.0 | 11.5 | 127,000     | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGD448130KTP*E | 47,000                | 14.0 | 11.5 | 127,000     | 81.0                 | 52-3/4 x 48-3/16 x 44-1/8<br>(1340 x 1224 x 1123) | 438 (199)                    |
| PGD460090K00*E | 57,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGD460090KTP*E | 57,000                | 14.0 | 11.5 | 90,000      | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGD460115K00*E | 57,000                | 14.0 | 11.5 | 115,000     | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGD460115KTP*E | 57,000                | 14.0 | 11.5 | 115,000     | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGD460130K00*E | 57,000                | 14.0 | 11.5 | 127,000     | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |
| PGD460130KTP*E | 57,000                | 14.0 | 11.5 | 127,000     | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1123) | 455 (206)                    |

\* 0 = Standard, 1 = Low NOx

00 = Standard

TP = Tin-plated evaporator main tubes plus stainless steel heat exchanger.



# PDS4

## Up to 14.5 SEER Package Dual Fuel Heat Pump

2 – 5 Tons  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Scroll compressor standard on all models
- Tin-coated copper evaporator main tubes standard
- Dehumidification mode (airflow reduction) on all models

### Built to Last

- Stainless steel tubular heat exchanger standard
- Factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (GC), (Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)
- Hail guard (3/8" spacing) wire grilles standard all models
- Pre-painted steel cabinet
- Induced-draft combustion and venting
- Direct spark ignition
- High-efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High- and low-pressure switches provide added reliability for the compressor

### Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating, heat pump heating and electric cooling
- Low NOx units available

### Warranty\*

- Three-year No Hassle Replacement™ limited warranty
- 10-year parts limited warranty (including compressor and coils) with timely registration and lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty and 20-year heat exchanger limited warranty if not registered within 90 days of original installation

\* See warranty certificate for complete details and restrictions.

### Unit Performance Data

| Model Number   | Cooling           |      |      | Heating           |      |                |                      | Unit Dimensions<br>H x W x D Inches (mm)         | Operating Weight<br>lbs (kg) |
|----------------|-------------------|------|------|-------------------|------|----------------|----------------------|--|------------------------------|
|                | Capacity<br>BTU/h | SEER | EER  | Capacity<br>BTU/h | HSPF | Input<br>BTU/h | Efficiency<br>AFUE % |  |                              |
| PDS424040KGP*E | 23,000            | 14.5 | 12.0 | 22,600            | 8.0  | 40,000         | 81.0                 | 47-3/4 x 48-3/16 x 32-5/8<br>(1213 x 1224 x 829) | 311 (141)                    |
| PDS424060KGP*E | 23,000            | 14.5 | 12.0 | 22,600            | 8.0  | 60,000         | 81.0                 | 47-3/4 x 48-3/16 x 32-5/8<br>(1213 x 1224 x 829) | 311 (141)                    |
| PDS430040KGC*E | 28,600            | 14.0 | 11.5 | 28,400            | 8.0  | 40,000         | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829) | 351 (159)                    |
| PDS430040KGP*E | 28,600            | 14.0 | 11.5 | 28,400            | 8.0  | 40,000         | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829) | 351 (159)                    |
| PDS430060KGC*E | 28,600            | 14.0 | 11.5 | 28,400            | 8.0  | 60,000         | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829) | 351 (159)                    |
| PDS430060KGP*E | 28,600            | 14.0 | 11.5 | 28,400            | 8.0  | 60,000         | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829) | 351 (159)                    |

\* 0 = Standard, 1 = Low NOx

# PDS4 (con't)

## Up to 14.5 SEER Dual Fuel Heat Pump

### Unit Performance Data

| Model Number   | Cooling           |      |      | Heating           |      |                |                      | Unit Dimensions<br>H x W x D Inches (mm)          | Operating<br>Weight<br>lbs (kg) |
|----------------|-------------------|------|------|-------------------|------|----------------|----------------------|---|---------------------------------|
|                | Capacity<br>BTU/h | SEER | EER  | Capacity<br>BTU/h | HSPF | Input<br>BTU/h | Efficiency<br>AFUE % |   |                                 |
| PDS436060KGC*E | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 60,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 387 (176)                       |
| PDS436060KGP*E | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 60,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 387 (176)                       |
| PDS436090KGC*E | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 90,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 387 (176)                       |
| PDS436090KGP*E | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 90,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 387 (176)                       |
| PDS442060KGC*E | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 60,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 435 (197)                       |
| PDS442060KGP*E | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 60,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 435 (197)                       |
| PDS442090KGC*E | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 90,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 435 (197)                       |
| PDS442090KGP*E | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 90,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 435 (197)                       |
| PDS448090KGC*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 90,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDS448090KGP*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 90,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDS448115KGC*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 115,000        | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDS448115KGP*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 115,000        | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDS448130KGC*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 130,000        | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDS448130KGP*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 130,000        | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDS460090KGC*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 90,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |
| PDS460090KGP*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 90,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |
| PDS460115KGC*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 115,000        | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |
| PDS460115KGP*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 115,000        | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |
| PDS460130KGC*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 130,000        | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |
| PDS460130KGP*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 130,000        | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |

\* 0 = Standard, 1 = Low NOx



# PDD4

## Up to 14.5 SEER Package Dual Fuel Heat Pump

2 – 5 Tons  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Scroll compressor standard on all models
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models

### Built to Last

- Wire grilles with 2" spacing on all models
- Pre-painted steel cabinet
- Induced-draft combustion and venting
- Direct spark ignition
- High-efficiency ECM indoor blower motor on all models
- Aluminized steel tubular heat exchanger
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High- and low-pressure switches provide added reliability for the compressor

### Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating, heat pump heating and electric cooling
- Low NOx units available

### Warranty\*

- 15-year heat exchanger limited warranty
- 10-year parts limited warranty (including compressor and coils) with timely registration
- Five-year parts limited warranty if not registered within 90 days of original installation

\* See warranty certificate for complete details and restrictions.

### Unit Performance Data

| Model Number   | Cooling           |      |      | Heating           |      |                |                      | Unit Dimensions<br>H x W x D Inches (mm)          | Operating<br>Weight<br>lbs (kg) |
|----------------|-------------------|------|------|-------------------|------|----------------|----------------------|---|---------------------------------|
|                | Capacity<br>BTU/h | SEER | EER  | Capacity<br>BTU/h | HSPF | Input<br>BTU/h | Efficiency<br>AFUE % |   |                                 |
| PDD424040K00*E | 23,000            | 14.5 | 12.0 | 22,600            | 8.0  | 40,000         | 81.0                 | 47-3/4 x 48-3/16 x 32-5/8<br>(1213 x 1224 x 829)  | 311 (141)                       |
| PDD424060K00*E | 23,000            | 14.5 | 12.0 | 22,600            | 8.0  | 60,000         | 81.0                 | 47-3/4 x 48-3/16 x 32-5/8<br>(1213 x 1224 x 829)  | 311 (141)                       |
| PDD430040K00*E | 28,600            | 14.0 | 14.0 | 28,400            | 8.0  | 40,000         | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 351 (159)                       |
| PDD430060K00*E | 28,600            | 14.0 | 14.0 | 28,400            | 8.0  | 60,000         | 81.0                 | 51-3/4 x 48-3/16 x 32-5/8<br>(1315 x 1224 x 829)  | 351 (159)                       |
| PDD436060K00*E | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 60,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 387 (176)                       |
| PDD436090K00*E | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 90,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 387 (176)                       |
| PDD442060K00*E | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 60,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 435 (197)                       |
| PDD442090K00*E | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 90,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 435 (197)                       |
| PDD448090K00*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 90,000         | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDD448115K00*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 115,000        | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDD448130K00*E | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 130,000        | 81.0                 | 54-3/4 x 48-3/16 x 44-1/8<br>(1391 x 1224 x 1122) | 456 (207)                       |
| PDD460090K00*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 90,000         | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |
| PDD460115K00*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 115,000        | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |
| PDD460130K00*E | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 130,000        | 81.0                 | 48-3/4 x 48-3/16 x 44-1/8<br>(1238 x 1224 x 1122) | 487 (221)                       |

\* 0 = Standard, 1 = Low NOx

Specifications subject to change without notice.

# PAR5

## Up to 16.0 SEER, Up to 12.5 EER Package Air Conditioner

2 – 5 Tons

208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Tin-coated copper evaporator coil standard
- Enhanced dehumidification feature on high-stage cooling with use of a dehumidistat
- Two-stage scroll compressors standard on all models

### Built to Last

- Hail guard (3/8" spacing) wire grilles standard
- Multi-speed ECM blower motor standard on all models
- Pre-painted steel cabinet
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High- and low-pressure switches provide added reliability for the compressor

### Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty for models with tin-coated copper evaporator coil
- Five-year parts limited warranty (including compressor and coils)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coils)

\* See warranty certificate for complete details. For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number   | Net Capacity<br>BTU/h<br>High | Standard CFM<br>High/Low | SEER | EER  | Unit Dimensions<br>H x W x D Inches (mm)           | Operating<br>Weight lbs (kg) |
|----------------|-------------------------------|--------------------------|------|------|--|------------------------------|
| PAR524000KTP0A | 23,000                        | 800/600                  | 15.0 | 12.0 | 44-1/8 x 48-3/16 x 31-3/16<br>(1121 x 1224 x 792)  | 327 (148)                    |
| PAR530000KTP0A | 29,000                        | 1000/750                 | 15.0 | 12.0 | 46-1/8 x 48-3/16 x 31-3/16<br>(1172 x 1224 x 829)  | 334 (152)                    |
| PAR536000KTP0A | 35,400                        | 1200/900                 | 16.0 | 12.5 | 44-3/4 x 48-1/4 x 42-15/16<br>(1137 x 1226 x 1091) | 389 (176)                    |
| PAR542000KTP0A | 42,000                        | 1400/1050                | 16.0 | 12.5 | 50-3/4 x 48-1/4 x 42-15/16<br>(1289 x 1226 x 1091) | 392 (178)                    |
| PAR548000KTP0A | 47,500                        | 1600/1200                | 16.0 | 12.3 | 48-3/4 x 48-1/4 x 42-15/16<br>(1238 x 1226 x 1091) | 444 (201)                    |
| PAR560000KTP0A | 57,000                        | 1750/1200                | 16.0 | 12.3 | 54-3/4 x 48-1/4 x 42-15/16<br>(1391 x 1226 x 1091) | 464 (211)                    |



# PHR5

Up to 15.5 SEER, Up to 12.5 EER, Up to 8.5 HSPF  
Package Heat Pump

2 – 5 Tons  
208 / 230 Volt, Single-Phase, 60 Hz

## Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Tin-coated copper evaporator coil standard
- Enhanced dehumidification feature on high-stage cooling with use of a dehumidistat
- Two-stage scroll compressors standard on all models

## Built to Last

- Hail guard (3/8" spacing) wire grilles standard
- Multi-speed ECM blower motor standard on all models
- Pre-painted steel cabinet
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High- and low-pressure switches provide added reliability for the compressor

## Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications

## Warranty\*

- Five-year No Hassle Replacement™ limited warranty for models with tin-coated copper evaporator coil
- Five-year parts limited warranty (including compressor and coils)
  - With timely registration, an additional five-year parts limited warranty (including compressor and coils)

\* See warranty certificate for complete details.  
For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

## Unit Performance Data

| Model Number   | Net Capacity<br>BTU/h<br>High | Standard CFM<br>High/Low | SEER | EER  | HSPF | COP | Unit Dimensions<br>H x W x D Inches (mm)          | Operating<br>Weight lbs (kg) |
|----------------|-------------------------------|--------------------------|------|------|------|-----|---|------------------------------|
| PHR524000KTP0B | 22,800                        | 855/675                  | 15.0 | 12.0 | 8.2  | 3.9 | 51-3/4 x 47 x 32-5/8<br>(1315 x 1194 x 829)       | 338 (153)                    |
| PHR530000KTP0B | 29,400                        | 1000/775                 | 15.0 | 12.0 | 8.2  | 3.7 | 51-3/4 x 47 x 32-5/8<br>(1315 x 1194 x 829)       | 384 (174)                    |
| PHR536000KTP0A | 34,000                        | 1200/900                 | 15.0 | 12.0 | 8.2  | 3.7 | 44-3/4 x 48-1/4 x 44-3/16<br>(1137 x 1226 x 1122) | 413 (187)                    |
| PHR542000KTP0A | 42,000                        | 1400/1050                | 15.0 | 12.0 | 8.2  | 3.6 | 50-3/4 x 48-1/4 x 44-3/16<br>(1289 x 1226 x 1122) | 444 (201)                    |
| PHR548000KTP0A | 47,500                        | 1600/1200                | 15.0 | 12.5 | 8.2  | 3.7 | 48-3/4 x 48-1/4 x 44-3/16<br>(1238 x 1226 x 1122) | 447 (203)                    |
| PHR560000KTP0A | 57,000                        | 1750/1200                | 15.0 | 12.0 | 8.5  | 3.5 | 54-3/4 x 48-1/4 x 44-3/16<br>(1391 x 1226 x 1122) | 503 (228)                    |

# PAD4

## Up to 14.5 SEER, 12.0 EER Package Air Conditioner

2 – 5 Tons

208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Dehumidification mode (airflow reduction) on all models

### Built to Last

- Factory installed option for low cabinet air leakage and tin-coated copper evaporator main tubes (LC)
- Available with optional factory installed tin-coated copper evaporator coil with 3/8" spacing wire grilles standard as hail guard (TP), all other models have 2" spacing wire grilles (Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)
- High-efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High-pressure switch provides added reliability for the compressor

### Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications

### Warranty\*

- Three-year No Hassle Replacement™ limited warranty for tin-coated 'TP' models
- 10-year parts limited warranty (including compressor and coils) with timely registration
- Five-year parts limited warranty if not registered within 90 days of original installation

\* See warranty certificate for complete details and restrictions.

### Unit Performance Data

| Model Number   | Net Capacity<br>BTU/h<br>High | SEER | EER  | Unit Dimensions<br>H x W x D Inches (mm)       | Operating<br>Weight lbs<br>(kg) |
|----------------|-------------------------------|------|------|--|---------------------------------|
| PAD424000K000E | 23,000                        | 14.0 | 11.5 | 43-3/4 x 48-3/16 x 32-5/8 (1111 x 1224 x 829)  | 304 (138)                       |
| PAD424000KTPOE | 23,000                        | 14.0 | 11.5 | 43-3/4 x 48-3/16 x 32-5/8 (1111 x 1224 x 829)  | 304 (138)                       |
| PAD430000K000E | 28,600                        | 14.0 | 11.5 | 45-3/4 x 48-3/16 x 32-5/8 (1162 x 1224 x 829)  | 336 (152)                       |
| PAD430000KLCOE | 28,600                        | 14.0 | 11.5 | 45-3/4 x 48-3/16 x 32-5/8 (1162 x 1224 x 829)  | 336 (152)                       |
| PAD430000KTPOE | 28,600                        | 14.0 | 11.5 | 45-3/4 x 48-3/16 x 32-5/8 (1162 x 1224 x 829)  | 336 (152)                       |
| PAD436000K000E | 34,800                        | 14.0 | 11.5 | 51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)  | 349 (158)                       |
| PAD436000KLCOE | 34,800                        | 14.0 | 11.5 | 51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)  | 349 (158)                       |
| PAD436000KTPOE | 34,800                        | 14.0 | 11.5 | 51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)  | 349 (158)                       |
| PAD442000K000E | 40,000                        | 14.0 | 11.5 | 44-3/4 x 48-1/4 x 44-3/16 (1137 x 1226 x 1123) | 413 (187)                       |
| PAD442000KLCOE | 40,000                        | 14.0 | 11.5 | 44-3/4 x 48-1/4 x 44-3/16 (1137 x 1226 x 1123) | 413 (187)                       |
| PAD442000KTPOE | 40,000                        | 14.0 | 11.5 | 44-3/4 x 48-1/4 x 44-3/16 (1137 x 1226 x 1123) | 413 (187)                       |
| PAD448000K000E | 46,000                        | 14.0 | 11.5 | 52-3/4 x 48-1/4 x 44-3/16 (1340 x 1226 x 1123) | 438 (199)                       |
| PAD448000KLCOE | 46,000                        | 14.0 | 11.5 | 52-3/4 x 48-1/4 x 44-3/16 (1340 x 1226 x 1123) | 438 (199)                       |
| PAD460000K000E | 56,000                        | 14.0 | 11.5 | 54-3/4 x 48-1/4 x 44-3/16 (1391 x 1226 x 1123) | 455 (206)                       |
| PAD460000KLCOE | 56,000                        | 14.0 | 11.5 | 54-3/4 x 48-1/4 x 44-3/16 (1391 x 1226 x 1123) | 455 (206)                       |





# PHD4

## Up to 14.5 SEER, Up to 12.5 EER Package Air Conditioner

2 – 5 Tons  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Scroll compressor standard on all models
- Short-cycling protection for the compressor is built into the defrost control board
- Dehumidification mode (airflow reduction) on all models

### Built to Last

- Factory installed optional for tin-coated copper evaporator coil with 3/8" spacing wire grilles standard as hail guard (TP)
- Factory installed option for low cabinet air leakage and factory installed tin-coated copper evaporator main tubes (LC) (Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)
- Direct drive high-efficiency ECM indoor blower motor on all models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High- and low-pressure switches provide added reliability for the compressor

### Easy-to-Install and Service

- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination electric heating and cooling

### Warranty\*

- Three-year No Hassle Replacement™ limited warranty for tin-coated 'TP' models
- 10-year parts limited warranty (including compressor and coils) with timely registration

\* See warranty certificate for complete details and restrictions.

### Unit Performance Data

| Model Number   | Cooling           |      |      | Heating           |      | Unit Dimensions<br>H x W x D Inches (mm)        | Operating<br>Weight lbs (kg) |
|----------------|-------------------|------|------|-------------------|------|---|------------------------------|
|                | Capacity<br>BTU/h | SEER | EER  | Capacity<br>BTU/h | HSPF |   |                              |
| PHD424000K000F | 23,000            | 14.5 | 12.5 | 22,600            | 8.0  | 47-3/4 x 48-3/16 x 32-5/8 (1213 x 1224 x 829)   | 311 (141)                    |
| PHD424000KTPOF | 23,000            | 14.5 | 12.5 | 22,600            | 8.0  | 47-3/4 x 48-3/16 x 32-5/8 (1213 x 1224 x 829)   | 311 (141)                    |
| PHD430000K000F | 28,600            | 14.0 | 11.5 | 28,400            | 8.0  | 51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)   | 351 (159)                    |
| PHD430000KLCOF | 28,600            | 14.0 | 11.5 | 28,400            | 8.0  | 51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)   | 351 (159)                    |
| PHD430000KTPOF | 28,600            | 14.0 | 11.5 | 28,400            | 8.0  | 51-3/4 x 48-3/16 x 32-5/8 (1315 x 1224 x 829)   | 351 (159)                    |
| PHD436000K000F | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 48-3/4 x 48-3/16 x 44-3/16 (1137 x 1224 x 1122) | 387 (176)                    |
| PHD436000KLCOF | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 48-3/4 x 48-3/16 x 44-3/16 (1137 x 1224 x 1122) | 387 (176)                    |
| PHD436000KTPOF | 34,200            | 14.0 | 11.5 | 34,400            | 8.0  | 48-3/4 x 48-3/16 x 44-3/16 (1137 x 1224 x 1122) | 387 (176)                    |
| PHD442000K000F | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122) | 435(197)                     |
| PHD442000KLCOF | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122) | 435(197)                     |
| PHD442000KTPOF | 41,000            | 14.0 | 11.5 | 40,000            | 8.0  | 54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122) | 435(197)                     |
| PHD448000K000F | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122) | 456 (207)                    |
| PHD448000KLCOF | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122) | 456 (207)                    |
| PHD448000KTPOF | 48,000            | 14.0 | 12.0 | 46,000            | 8.0  | 54-3/4 x 48-3/16 x 44-3/16 (1238 x 1224 x 1122) | 456 (207)                    |
| PHD460000K000F | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 48-3/4 x 48-3/16 x 44-3/16 (1391 x 1224 x 1122) | 487 (221)                    |
| PHD460000KLCOF | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 48-3/4 x 48-3/16 x 44-3/16 (1391 x 1224 x 1122) | 487 (221)                    |
| PHD460000KTPOF | 57,500            | 14.0 | 11.5 | 57,500            | 8.0  | 48-3/4 x 48-3/16 x 44-3/16 (1391 x 1224 x 1122) | 487 (221)                    |

# PAJ4

## Up to 14.5 SEER, R-410A Package Air Conditioner for Manufactured Housing, Residential and Light Commercial Applications

2 – 5 Tons

208 / 230 Volt, Single-Phase, 60 Hz



### Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Liquid refrigerant filter driers
- Copper tube/aluminum fin condenser and evaporator coils

### Built to Last

- Cabinet air leakage less than 2.0% at 1-inch water column and cabinet air leakage less than 1.4% at 0.5-inch water column when tested in accordance with ASHRAE Standard 193 (Models with factory installed options are identified with letters in the 11th and 12th positions in the model number)
- Vibration isolation provides quiet operation
- Compressors have internal over current protection
- Direct-drive multi-speed blower motor standard on all models
- No-rust base pan with integrated drain pan standard on all units
- Durable pre-painted steel cabinet
- Louvered coil enclosure for protection against vandalism and hail damage
- Aerodynamic fan blade design reduces the overall sound
- All models available with optional factory installed tin-coated copper evaporator coil (These models are identified with letters TP in the 11th and 12th positions in the model number)

### Easy-to-Install and Service

- Light weight, compact construction ideal for manufactured housing and residential applications
- Hand holds built into the unit base pan
- Compact, fully self-contained, electric cooling unit with horizontal supply and return ducts
- Easy panel accessibility for maintenance and installation
- Accessory electric heaters with single point connections
- Designed to be serviced from both the side and front

### Warranty\*

- 10-year parts limited warranty (including compressor and coils) with timely registration
- Five-year parts limited warranty if not registered within 90 days of original installation

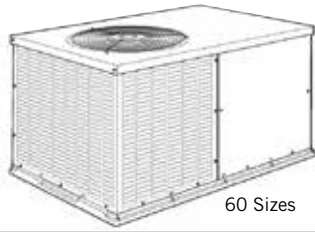
\* See warranty certificate for complete details and restrictions.

### Unit Performance Data

| Model Number   | Nominal Tons | Capacity BTU/h | SEER | EER  | Unit Dimensions H x W x D Inches (mm) | Operating Weight lbs (kg) |
|----------------|--------------|----------------|------|------|---------------------------------------|---------------------------|
| PAJ424000K000A | 2.0          | 22,400         | 14.0 | 11.5 | 30-1/8 x 51 x 32 (765 x 1295 x 813)   | 230 (104)                 |
| PAJ424000KTPOA | 2.0          | 22,400         | 14.0 | 11.5 | 30-1/8 x 51 x 32 (765 x 1295 x 813)   | 230 (104)                 |
| PAJ430000K000A | 2.5          | 28,600         | 14.0 | 11.5 | 30-1/8 x 51 x 32 (765 x 1295 x 813)   | 249 (113)                 |
| PAJ430000KTPOA | 2.5          | 28,600         | 14.0 | 11.5 | 30-1/8 x 51 x 32 (765 x 1295 x 813)   | 249 (113)                 |
| PAJ436000K000A | 3.0          | 35,000         | 14.0 | 11.5 | 30-1/8 x 51 x 32 (765 x 1295 x 813)   | 272 (123)                 |
| PAJ436000KTPOA | 3.0          | 35,000         | 14.0 | 11.5 | 30-1/8 x 51 x 32 (765 x 1295 x 813)   | 272 (123)                 |
| PAJ442000K000A | 3.5          | 41,000         | 14.5 | 11.5 | 34-1/8 x 51 x 32 (867 x 1295 x 813)   | 275 (125)                 |
| PAJ442000KTPOA | 3.5          | 41,000         | 14.5 | 11.5 | 34-1/8 x 51 x 32 (867 x 1295 x 813)   | 275 (125)                 |
| PAJ448000K000A | 4.0          | 47,000         | 14.0 | 11.5 | 42-1/8 x 51 x 32 (1070 x 1295 x 813)  | 318 (144)                 |
| PAJ448000KTPOA | 4.0          | 47,000         | 14.0 | 11.5 | 42-1/8 x 51 x 32 (1070 x 1295 x 813)  | 318 (144)                 |
| PAJ460000K000A | 5.0          | 54,000         | 14.0 | 11.3 | 42-1/8 x 51 x 32 (1070 x 1295 x 813)  | 344 (156)                 |
| PAJ460000KTPOA | 5.0          | 54,000         | 14.0 | 11.3 | 42-1/8 x 51 x 32 (1070 x 1295 x 813)  | 344 (156)                 |



24-48 Sizes



60 Sizes

# PHJ4

## Up to 14.5 SEER, R-410A Package Heat Pump for Manufactured Housing, Residential and Light Commercial Applications

2 – 5 Tons  
208 / 230 Volt, Single-Phase, 60 Hz

### Refrigeration Circuit

- Environmentally balanced R-410A refrigerant
- Liquid refrigerant filter driers
- Copper tube/aluminum fin condenser and evaporator coils

### Built to Last

- Vibration isolation provides quiet operation
- Compressors have internal over current protection
- Direct-drive multi-speed blower motor standard on all models
- No-rust base pan with integrated drain pan standard on all units
- Durable pre-painted steel cabinet
- Louvered coil enclosure for protection against vandalism and hail damage
- Aerodynamic fan blade design reduces the overall sound
- All models available with optional factory installed tin-coated copper evaporator coil (These models are identified with letters TP in the 11th and 12th positions in the model number)

### Warranty\*

- 10-year parts limited warranty (including compressor and coils) with timely registration
- Five-year parts limited warranty if not registered within 90 days of original installation

\* See warranty certificate for complete details and restrictions.

### Easy-to-Install and Service

- Light weight, compact construction ideal for manufactured housing and residential applications
- Hand holds built into the unit base pan
- Compact, fully self-contained, electric cooling and heating unit with horizontal supply and return ducts
- Easy panel accessibility for maintenance and installation
- Accessory electric heaters with single point connections
- Designed to be serviced from both the side and front
- Cabinet air leakage less than 2.0% at 1-inch water column and cabinet air leakage less than 1.4% at 0.5-inch water column when tested in accordance with ASHRAE Standard 193
- All models available with optional factory installed tin-coated copper evaporator coil (Models with factory installed options are identified with letters TP in the 11th and 12th positions in the model number)

### Unit Performance Data

| Model Number   | Cooling        |      |      | Heating        |      | Unit Dimensions<br>H x W x D Inches (mm) | Operating<br>Weight lbs (kg) |
|----------------|----------------|------|------|----------------|------|--|------------------------------|
|                | Capacity BTU/h | SEER | EER  | Capacity BTU/h | HSPF |  |                              |
| PHJ424000K000A | 24,000         | 14.5 | 11.5 | 23,400         | 8.0  | 30-1/8 x 51 x 32<br>(765 x 1295 x 813)   | 253 (115)                    |
| PHJ424000KTPOA | 24,000         | 14.5 | 11.5 | 23,400         | 8.0  | 30-1/8 x 51 x 32<br>(765 x 1295 x 813)   | 253 (115)                    |
| PHJ430000K000A | 29,800         | 14.5 | 11.5 | 28,600         | 8.0  | 34-1/8 x 51 x 32<br>(867 x 1295 x 813)   | 283 (128)                    |
| PHJ430000KTPOA | 29,800         | 14.5 | 11.5 | 28,600         | 8.0  | 34-1/8 x 51 x 32<br>(867 x 1295 x 813)   | 283 (128)                    |
| PHJ436000K000A | 36,000         | 14.5 | 11.5 | 34,400         | 8.0  | 34-1/8 x 51 x 32<br>(867 x 1295 x 813)   | 285 (130)                    |
| PHJ436000KTPOA | 36,000         | 14.5 | 11.5 | 34,400         | 8.0  | 34-1/8 x 51 x 32<br>(867 x 1295 x 813)   | 285 (130)                    |
| PHJ442000K000A | 42,000         | 14.5 | 11.5 | 40,000         | 8.0  | 42-1/8 x 51 x 32<br>(1070 x 1295 x 813)  | 339 (154)                    |
| PHJ442000KTPOA | 42,000         | 14.5 | 11.5 | 40,000         | 8.0  | 42-1/8 x 51 x 32<br>(1070 x 1295 x 813)  | 339 (154)                    |
| PHJ448000K000A | 46,500         | 14.0 | 11.5 | 45,000         | 8.0  | 42-1/8 x 51 x 32<br>(1070 x 1295 x 813)  | 358 (163)                    |
| PHJ448000KTPOA | 46,500         | 14.0 | 11.5 | 45,000         | 8.0  | 42-1/8 x 51 x 32<br>(1070 x 1295 x 813)  | 358 (163)                    |
| PHJ460000K000A | 55,000         | 14.0 | 11.0 | 56,000         | 8.0  | 42-1/8 x 51 x 32<br>(1070 x 1295 x 813)  | 425 (193)                    |
| PHJ460000KTPOA | 55,000         | 14.0 | 11.0 | 56,000         | 8.0  | 42-1/8 x 51 x 32<br>(1070 x 1295 x 813)  | 425 (193)                    |

# Accessories

## PAR5, PHR5, PGR5 Single-Phase Models

| Model Number            | Description   | Use With          |
|-------------------------|---|-------------------|
| <b>Electric Heaters</b> |   | <b>PHR5</b>       |
| Model                   | Nominal Capacity (kW) – Fused/Stages  |                   |
| CPHEATER052A0*          | 3.8 / 5.0 - No / 1  | 24 - 36           |
| CPHEATER064A0*          | 3.8 / 5.0 - Yes / 1   | ALL               |
| CPHEATER069A0*          | 5.4 / 7.2 - No / 2  | 24                |
| CPHEATER070A0*          | 5.4 / 7.2 - Yes / 2   | ALL               |
| CPHEATER050A0*          | 7.5 / 10.0 - Yes / 2  | ALL               |
| CPHEATER066A0*          | 11.3 / 15.0 - Yes / 2   | 30 - 60           |
| CPHEATER054A0*          | 15.0 / 20.0 - Yes / 2   | 42 - 60           |
| <b>Economizer</b>       |   | <b>PDR5, PAR5</b> |
| Model                   | Nominal Capacity (kW)   | Use With          |
| ECD-SDSML-JC2-ADB*      | Two-stage compatible vertical economizer with Jade Honeywell W7220 controller, Honeywell actuator, and dry bulb sensor.   | 24 - 30           |
| ECD-SDLGS-JC2-ADB*      |   | 36 - 42           |
| ECD-SDLGB-JC2-ADB*      |   | 48 - 60           |
| ECH-SDSML-JC2-ADB*      | Two-stage compatible horizontal economizer with Jade Honeywell W7220 controller, Honeywell actuator, and dry bulb sensor. | 24 - 30           |
| ECH-SDLGS-JC2-ADB*      |   | 36 - 42           |
| ECH-SDLGB-JC2-ADB*      |   | 48 - 60           |

\*Contact MicroMetl Customer Service at 1-800-662-4822 to order.

| <b>Thermostats</b> |  |          |
|--------------------|--|----------|
| Model              | Description  | Use With |
| TSTAT0408          | Universal Programmable Thermostat with Humidity Sensing and Control, Dual Fuel compatible, two-stage cool, two-stage gas heat, two-stage HP heat, two-stage electric heat              | ALL      |
| TSTAT0201CW        | Observer® Communicating Touchscreen Thermostat with Humidity Sensing and Control, Dual Fuel compatible, two-stage cool, two-stage gas heat, two-stage HP heat, two-stage electric heat | ALL†     |
| NAXA00101DB        | Daughter Board, use with communicating thermostat TSTAT0201CW and non-communicating equipment  | ALL      |

\*Relay 1184479 is required with this Low-Ambient Control when used in heat pump application.

†Daughter board required for use with TSTAT0201CW and non-communicating unit.

## Accessories PAR5, PHR5, PGR5 Single-Phase Models

| Model Number  | Description   | Use with<br>PGR5, PAR5, PHR5 |
|---|---|------------------------------|
| <b>Curbs</b>  |   |                              |
| CPRFCURB011A00  | Roof Curb, 14" High   | 24 - 60                      |
| CPRFCURB013A00  | Roof Curb, 14" High   | 36 - 60                      |
| Note: CPRFCURB011A00 can be used with 36-60 units with some overhang.   |   |                              |
| <b>Adapter Curbs*</b>   |   |                              |
| CPADCURB001A00  | Adapter Curb, for use with NPRFCURB006A00 & NPRFCURB007A00  | 24 - 30                      |
| CPADCURB002A00  | Adapter Curb, for use with NPRFCURB008A00 & NPRFCURB009A00  | 36 - 60                      |
| *Can also be used when replacing other manufacturer's older generation units that contain a composite base without a metal base rail. |   |                              |
| <b>Concentric Adaptors (use with curb only)</b>   |   |                              |
| NPCONADP001A00  | For 18" round duct (*use with curb CPRFCURB011A00)  | Small Curb                   |
| NPCONADP002A00  | For 18" round duct (*use with curb CPRFCURB013A00)  | Large Curb                   |
| <b>Dampers</b>  |   |                              |
| CPMANDPRO07A00  | Manual Outside Air Damper –<br>(includes filter rack and 1" filter – same as CPFILTRK kit)  | 24 - 30                      |
| CPMANDPRO08A00  |   | 36 - 42                      |
| CPMANDPRO09A00  |   | 48 - 60                      |
| <b>Internal Filter Racks</b>  |   |                              |
| CPFILTRK007A00  | Internal Filter Rack (includes 1" filters)  | 24 - 30                      |
| CPFILTRK008A00  | Internal Filter Rack (includes 1" filters)  | 36 - 42                      |
| CPFILTRK009A00  | Internal Filter Rack (includes 1" filters)  | 48 - 60                      |
| <b>Crankcase Heater (factory installed on some models)</b>  |   |                              |
| CPCRKHTR008A00  | Crankcase Heater  | 24 - 36                      |
| CPCRKHTR004A00  | Crankcase Heater  | 42 - 48                      |
| <b>Low-Ambient, Anti-Cycle Timer, Compressor Start Assist</b>   |   |                              |
| CPLOWAMB001A00  | Low-Ambient Control – Enables cooling system to operate down to 0° F by cycling condenser fan on and off.*  | ALL                          |
| NRTIMEGD001A00  | Five Minute Compressor Delay  | ALL                          |
| NPHSTART001A00  | PTC Compressor Start Assist Kit   | ALL                          |
| <b>Gas Conversion Kits</b>  |   |                              |
| NPLPCONV013C00  | Natural to LP Conversion Kit (0 - 2000')  | ALL                          |
| NPLPCONV014C00  | Natural to LP Conversion Kit (2001' - 6000')  | ALL                          |
| NPNGCONV004B00  | LP to Natural Gas Conversion Kit (0 - 2000')  | ALL                          |
| <b>Flue Discharge Deflector</b>   |   |                              |
| CRFLUEDS001A00  | Directs flue gas exhaust 90° upward from current discharge. Designed to allow tighter distances between unit and combustible surfaces. 24" height. AGA certified. | ALL                          |
| <b>Duct Transitions</b>   |   |                              |
| NPDUCFLG002A00  | Square to 14" round (one set of two, use with horizontal duct flanges only)   | 24 - 48                      |
| <b>Electric Heaters</b>   |   | <b>PAR5</b>                  |
| <b>Model</b>  | <b>Nominal Capacity (kW) – Fused/Stages</b>   |                              |
| CPHEATER052A0*  | 3.8 / 5.0 - No / 1  | ALL                          |
| CPHEATER064A0*  | 3.8 / 5.0 - Yes / 1   | ALL                          |
| CPHEATER069A0*  | 5.4 / 7.2 - No / 2  | ALL                          |
| CPHEATER070A0*  | 5.4 / 7.2 - Yes / 2   | ALL                          |
| CPHEATER065A0*  | 7.5 / 10.0 - No / 2   | 24 - 42                      |
| CPHEATER050A0*  | 7.5 / 10.0 - Yes / 2  | ALL                          |
| CPHEATER051A0*  | 11.3 / 15.0 - Yes / 2   | 30 - 42                      |
| CPHEATER066A0*  | 11.3 / 15.0 - Yes / 2   | 30 - 60                      |
| CPHEATER053A0*  | 15.0 / 20.0 - Yes / 2   | 42                           |
| CPHEATER054A0*  | 15.0 / 20.0 - Yes / 2   | 42 - 60                      |

\*Relay 1184479 is required with this Low-Ambient Control when used in heat pump application.

Specifications subject to change without notice.

# Accessories

## PGS4-E, PGD4-E, PDS4-E, PDD4-E, PAD4-E, PHD4-E Single-Phase Models

| Model Number   | Description   | Use With   |                  |         |
|--|---|------------|------------------|---------|
|  |   | PDS4, PDD4 | PGD4, PGS4, PAD4 | PHD4    |
| <b>Curbs</b>   |   |            |                  |         |
| CPRFCURB011A00   | Roof Curb, 14" High   | 24 - 30    | 24 - 60          | 24 - 30 |
| CPRFCURB013A00   | Roof Curb, 14" High   | 36 - 60    | 42 - 60          | 36 - 60 |
| <b>Note:</b> CPRFCURB011A00 can be used with PGD442-60, PGS442-60, PAD442-60 units with some overhang.                                       |   |            |                  |         |
| <b>Adapter Curbs*</b>  |   |            |                  |         |
| CPADCURB001A00   | Adapter Curb, for use with NPRFCURB006A00 and NPRFCURB007A00  | 24 - 30    | 24 - 36          | 24 - 30 |
| CPADCURB002A00   | Adapter Curb, for use with NPRFCURB008A00 and NPRFCURB009A00  | 36 - 60    | 42 - 60          | 36 - 60 |
| <b>*Can also be used when replacing other manufacturer's older generation units that contain a composite base without a metal base rail.</b> |   |            |                  |         |
| <b>Concentric Adaptors (Use with curb only)</b>  |   |            |                  |         |
| NPCONADP001A00   | For 18" round duct (use with curb CPRFCURB011A00)   | Small Curb |                  |         |
| NPCONADP002A00   | For 18" round duct (use with curb CPRFCURB013A00)   | Large Curb |                  |         |
| <b>Economizers</b>   |   |            |                  |         |
| CPECOMZR007B00   | Dedicated Vertical Economizer – Internal with solid state controller, gear driven, fully modulating damper, spring return actuator, up to 50% barometric relief, supply and dry bulb outdoor air sensors. Includes filter rack with 1" filters.*            | 24 - 30    | 24 - 36          | 24 - 30 |
| CPECOMZR008A00   |   | 42, 48     | 42, 48           | 42, 48  |
| CPECOMZR009A00   |   | 36, 60     | 60               | 36, 60  |
| CPECOMZR010A00   | Dedicated Horizontal Economizer – Internal with solid state controller, fully modulating damper, spring return actuator, supply and dry bulb outdoor air sensor, and low-ambient compressor lockout switch included. Includes filter rack with 1" filters.* | 24 - 30    | 24 - 36          | 24 - 30 |
| CPECOMZR011A00   |   | 42, 48     | 42, 48           | 42, 48  |
| CPECOMZR012A00   |   | 36, 60     | 60               | 36, 60  |
| CPRLYKIT001A00   | Economizer Relay for Heat Pumps   | ALL        | ALL              | ALL     |
| <b>Dampers</b>   |   |            |                  |         |
| CPMANDPR007A00   | Manual Outside Air Damper – Includes filter rack and 1" filter (same as CPFILTRK kit)   | 24 - 30    | 24 - 36          | 24 - 30 |
| CPMANDPR008A00   |   | 42, 48     | 42 - 48          | 42, 48  |
| CPMANDPR009A00   |   | 36, 60     | 60               | 36, 60  |
| <b>Internal Filter Racks</b>   |   |            |                  |         |
| CPFILTRK007A00   | Internal Filter Rack (includes 1" filters)  | 24 - 30    | 24 - 36          | 24 - 30 |
| CPFILTRK008A00   | Internal Filter Rack (includes 1" filters)  | 42, 48     | 42, 48           | 42, 48  |
| CPFILTRK009A00   | Internal Filter Rack (includes 1" filters)  | 36, 60     | 60               | 36, 60  |
| <b>Low-Ambient, Anti-Cycle Timer, Compressor Start Assist</b>  |   |            |                  |         |
| CPLOWAMB001A00*  | Low-Ambient Control – Enables cooling system to operate down to 0° F by cycling condenser fan on and off.*  | ALL        | ALL              | ALL     |
| NRTIMEGD001A00   | Five Minute Compressor Delay  | ALL        | ALL              | ALL     |
| NPHSTART002A00   | PTC Compressor Start Assist Kit   | ALL        | ALL              | ALL     |
| <b>Crankcase Heater - Belly Band Type</b>  |   |            |                  |         |
| CPCRKHTR008A00   | 240V Crankcase Heater   | 24 - 36    | 24, 36           | 24 - 36 |
| CPCRKHTR004A00   | 240V Crankcase Heater (included on 48 and 60 size models)   | 42 - 60    | 30, 42 - 60      | 42 - 60 |
| <b>Gas Conversion Kits</b>   |   |            |                  |         |
| NPLPCONV013C00   | Natural to LP Conversion Kit (0 - 2000')  | ALL        | ALL              | ALL     |
| NPLPCONV014C00   | Natural to LP Conversion Kit (2001' - 6000')  | ALL        | ALL              | ALL     |
| NPNGCONV004C00   | LP to Natural Gas Conversion Kit (0 - 2000')  | ALL        | ALL              | ALL     |

\*Relay 1184479 is required with this Low-Ambient Control when used in heat pump application.

# Accessories

## PGS4-E, PGD4-E, PDS4-E, PDD4-E, PAD4-E, PHD4-E Single-Phase Models

| Model Number  | Description   | Use With    |                  |         |
|---|---|-------------|------------------|---------|
|   |   | PDS4, PDD4  | PGD4, PGS4, PAD4 | PHD4    |
| <b>Flue Discharge Deflector</b>                       |   |             |                  |         |
| CRFLUEDS001A00  | Directs flue gas exhaust 90° upward from current discharge. Designed to allow tighter distances between unit and combustible surfaces. 24" height. AGA certified. | ALL         | ALL              | ALL     |
| <b>Duct Transitions</b>                               |   |             |                  |         |
| NPDUCFLG002A00  | Square to 14" round<br>(one set of two, use with horizontal duct flanges only)  | 24 - 48     | 24 - 48          | 24 - 48 |
| <b>Low-Pressure Switch</b>                            |   |             |                  |         |
| CPLPCTL001A00   | Low-Pressure Switch Kit (standard on 24 size)   | –           | 30 - 60          | –       |
| <b>Factory Installed on PGS4 and PAD4 "TP" Models</b> |   |             |                  |         |
| NAPA00501GR   | 3/8" spacing dense wire grilles 14"   | –           | 24               | –       |
| NAPA00701GR   | 3/8" spacing dense wire grilles 16"   | –           | 30               | –       |
| NAPA01401GR   | 3/8" spacing dense wire grilles 22"   | –           | 36               | –       |
| NAPA00601GR   | 3/8" spacing dense wire grilles 14"   | –           | 42               | –       |
| NAPA01201GR   | 3/8" spacing dense wire grilles 16"   | –           | 48               | –       |
| NAPA01301GR   | 3/8" spacing dense wire grilles 24"   | –           | 60               | –       |
| <b>Factory Installed on PDS4 and PHD4 "TP" Models</b> |   | <b>PDD4</b> |                  |         |
| NAPA00901GR   | 3/8" spacing dense wire grilles 18"   | 24          | –                | 24      |
| NAPA01401GR   | 3/8" spacing dense wire grilles 22"   | 30          | –                | 30      |
| NAPA01001GR   | 3/8" spacing dense wire grilles 18"   | 36          | –                | 36      |
| NAPA01301GR   | 3/8" spacing dense wire grilles 24"   | 42 - 48     | –                | 42 - 48 |
| NAPA01001GR   | 3/8" spacing dense wire grilles 18"   | 60          | –                | 60      |
| <b>Electric Heaters – PAD4</b>                        |   |             |                  |         |
| <b>Model</b>  | <b>Nominal Capacity (kW)</b>  |             |                  |         |
| CPHEATER052A0*  | 3.8 / 5.0   | –           | ALL              |         |
| CPHEATER064A0*  | 3.8 / 5.0   | –           | ALL              |         |
| CPHEATER069A0*  | 5.4 / 7.2   | –           | ALL              |         |
| CPHEATER070A0*  | 5.4 / 7.2   | –           | ALL              |         |
| CPHEATER065A0*  | 7.5 / 10.0  | –           | 24 - 42          |         |
| CPHEATER050A0*  | 7.5 / 10.0  | –           | ALL              |         |
| CPHEATER051A0*  | 11.3 / 15.0   | –           | 30 - 42          |         |
| CPHEATER066A0*  | 11.3 / 15.0   | –           | 30 - 60          |         |
| CPHEATER053A0*  | 15.0 / 20.0   | –           | 42               |         |
| CPHEATER054A0*  | 15.0 / 20.0   | –           | 42 - 60          |         |
| <b>Electric Heaters – PHD4</b>                        |   |             |                  |         |
| <b>Model</b>  | <b>Nominal Capacity (kW)</b>  |             |                  |         |
| CPHEATER052A0*  | 3.8 / 5.0   | –           |                  | 24 - 36 |
| CPHEATER064A0*  | 3.8 / 5.0   | –           |                  | ALL     |
| CPHEATER069A0*  | 5.4 / 7.2   | –           |                  | 24      |
| CPHEATER070A0*  | 5.4 / 7.2   | –           |                  | ALL     |
| CPHEATER050A0*  | 7.5 / 10.0  | –           |                  | ALL     |
| CPHEATER066A0*  | 11.3 / 15.0   | –           |                  | 30 - 60 |
| CPHEATER054A0*  | 15.0 / 20.0   | –           |                  | 42 - 60 |

\*Relay 1184479 is required with this Low-Ambient Control when used in heat pump application.

Specifications subject to change without notice.

# Accessories

## PAJ4, PHJ4 Single-Phase Models

| Model Number                      | Description   | Use With |         |
|-----------------------------------|---|----------|---------|
|                                   |   | PAJ4     | PHJ4    |
| <b>Compressor Start Kit</b>       |   |          |         |
| CPHSTART002A00                    | Compressor Start Kit assists compressor start-up by providing additional starting torque on single-phase units only.  | ALL      | ALL     |
| <b>Crankcase Heater</b>           |   |          |         |
| CPCRKHTR008A00                    | Crankcase Heater provides anti-floodback protection for low-load cooling applications (240V)  | 24 - 36  | 24 - 36 |
| CPCRKHTR004A00                    | Crankcase Heater provides anti-floodback protection for low-load cooling applications (240V)  | 42 - 60  | 42 - 60 |
| <b>Low-Ambient Kit</b>            |   |          |         |
| CPLOWAMB001A00                    | Low-Ambient Kit (Motormaster II Control) allows the use of mechanical cooling system to operate down to 0° F (-18° C) when properly installed   | ALL      | ALL     |
| <b>Time Guard II</b>              |   |          |         |
| NRTIMEGD001A00                    | Automatically prevents the compressor from restarting for at least 4 minutes and 45 seconds after shutdown of the compressor. Not required when a corporate programmable thermostat is applied. | ALL      | ALL     |
| <b>Accessory Electric Heaters</b> |   |          |         |
| Model                             | Nominal Capacity (kW)   | PAJ4     | PHJ4    |
| CPHEATER125A*                     | 3.8 / 5.0 (no circuit breaker)  | 24 - 60  | 24 - 48 |
| CPHEATER126A*                     | 3.8 / 5.0   | 24 - 60  | 24 - 60 |
| CPHEATER127A*                     | 5.6 / 7.5 (no circuit breaker) Two-Stages   | 24 - 60  | 24      |
| CPHEATER128A*                     | 5.6 / 7.5 Two-Stages  | 24 - 60  | 24 - 60 |
| CPHEATER129A*                     | 7.5 / 10.0 (no circuit breaker) Two-Stages  | 24 - 48  | NONE    |
| CPHEATER130A*                     | 7.5 / 10.0 Two-Stages   | 24 - 48  | 24 - 60 |
| CPHEATER131A*                     | 11.3 / 15.0 Two-Stages  | 36 - 60  | 36 - 60 |
| CPHEATER132A*                     | 15.0 / 20.0 Two-Stages  | 48 - 60  | 48 - 60 |



# Controls and Indoor Air Quality



# TSTAT0201CW

## Color Touchscreen Communicating Wall Control



### Wi-Fi® Compatible

#### For use in Single- or Multi-Zone Installations

(Requires a complete Observer® Zoning System and Version 4.02 software or later)

### Features

- Supports Observer System communicating equipment multi-stage heating and cooling operation, including modulating gas furnaces (version 4.02 and later) and inverter compressor sections (ODUs; version 5.02 and later). **NOTE:** The TSTAT0101SC wall control DOES NOT support inverter compressor sections.
- TSTAT0201CW features Remote Access via home Wi-Fi network; see [www.MyObserverComfort.com](http://www.MyObserverComfort.com) for more information and access to iOS and Android mobile apps
- Four-wire (or two-/three-wire depending on the communicating outdoor unit used) installation from each compatible component in the system
- Self configuration with all compatible components in the system
- Simplified programming with options for four daily periods during individual days, all days same, or weekday/weekend schedule; California Title 24 compliant
- Option to use NAXA00101DB Daughter Board for connection with non-communicating system components (single or multi-zone installations)
- Selectable screen backlight brightness, including 30% off
- Supports up to four-stage Heat, two-stage Cool for non-communicating equipment
- Adjustable/resettable filter and service reminders
- High-definition, full-color touchscreen display; QWERTY keyboard for data entry
- Communication with all compatible components in the system
- Enter dealer name and contact info for display during a fault
- Text based diagnostics viewable on screen

### Warranty\*

- 10-year No Hassle Replacement™ limited warranty
- 10-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number | Description                                   |
|--------------|---|
| TSTAT0201CW  | Observer® Wireless Wall Control               |
| TSTAT0406    | Programmable Thermostat                       |
| TSTAT0408    | Programmable Thermostat with Humidity Control |
| NAXA00101DB  | Relay Pack Daughter Board                     |
| 40106750000* | USB Memory Stick Adapter                      |

\*Available through the Literature Ordering System

# Accessories - TSTAT0201CW

| Part Number               | Description   |
|---------------------------|---|
| NAXA00101DB               | Daughter board for use with non-communicating equipment. Converts four-wire signal to conventional multi-wire signals (Y1, Y2, W1, W2, G, O)<br><b>Note:</b> Can be used in either single- or multiple-zone installations.  |
| NAXA00101WA               | Observer® Wireless Access Point for use with TSTAT0201CW model wall control. Provides gateway/router services to an Observer Wi-Fi® network if other Wi-Fi networks are unavailable or unusable. Connects to an existing Ethernet network that provides Internet access. DOES NOT add Wi-Fi capability to the TSTAT0101SC model wall control. |
| TSTATXXSEN01B             | Outdoor Temperature Sensor, use with non-communicating equipment (communicating outdoor equipment factory equipped with OD Temperature Sensor)  |
| TXMBP01                   | Backplate, medium size. Covers wall spots left when replacing larger thermostats  |
| SYSTXGRPLG10              | Communicating Plug, four-wire (DX+, DX-, C, R). Matches connector on control board of communicating indoor and outdoor equipment, 10 pack.  |
| SYSTXIIRRS01              | Remote Room Sensor (not required), requires two-wire stat cable, use one or four with Observer control for optional remote temperature sensing (temperatures averaged). (Use ZONE0101RRS as the zone temperature sensor in zoning applications)   |
| <b>Zoning Accessories</b> |   |
| ZONE0101ZP6               | Observer Zone Panel supports up to six zones and provides basic relay logic for damper operation and serves as the common connection point for the Observer Zoning System.  |
| ZONE0101RRS               | Observer Communicating Room Sensor is a Zone Sensor option for Zones 2 through 6. It provides full setback capabilities (through the Observer wall control interface only) and communicates to Observer Zoning System.  |
| ZONEXXODTS01              | Leaving Air Temperature (LAT) Sensor provides temperature readings to the zoning system to optimize performance and to protect the equipment.   |
| ZDAMPRND06INCB            | Round Dampers, 6" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPRND08INCB            | Round Dampers, 8" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPRND10INCB            | Round Dampers, 10" power open, power closed damper with self-aligning shaft and actuator hub  |
| ZDAMPRND12INCB            | Round Dampers, 12" power open, power closed damper with self-aligning shaft and actuator hub  |
| ZDAMPRND14INCB            | Round Dampers, 8" x 14" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPRND16INCB            | Round Dampers, 16" power open, power closed damper with self-aligning shaft and actuator hub  |
| ZDAMPREC08X10B            | Rectangular Dampers, 8" x 10" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPREC08X14B            | Rectangular Dampers, 8" x 14" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPREC08X18B            | Rectangular Dampers, 8" x 18" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPREC08X24B            | Rectangular Dampers, 8" x 24" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPREC10X10B            | Rectangular Dampers, 10" x 10" power open, power closed damper with self-aligning shaft and actuator hub  |
| ZDAMPREC10X14B            | Rectangular Dampers, 10" x 14" power open, power closed damper with self-aligning shaft and actuator hub  |
| ZDAMPREC10X18B            | Rectangular Dampers, 10" x 18" power open, power closed damper with self-aligning shaft and actuator hub  |
| ZDAMPREC10X24B            | Rectangular Dampers, 10" x 24" power open, power closed damper with self-aligning shaft and actuator hub  |
| ZDAMPBAR8X14              | Rectangular Barometric Bypass, 8" x 14" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPBAR8X24              | Rectangular Barometric Bypass, 8" x 24" power open, power closed damper with self-aligning shaft and actuator hub   |
| ZDAMPACT45DEGR            | 45° Replacement Actuator for Round Dampers  |
| ZDAMPACT90DEGR            | 90° Replacement Actuator for Round Dampers  |

# TSTAT0408

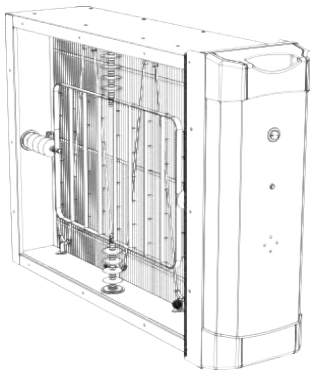


## TSTAT0408 Features

- Seven-day programming
- Dual Fuel System Management
- Four-wire capability with daughter board
- Four-stage Heat, two-stage Cool
- Auto changeover
- Digital dealer contact info display
- Blue backlit display
- Humidity control
- Option to make "H" terminal energized for dehum or de-energized for dehum

## Warranty\*

- Five-year parts limited warranty
- \* For residential applications only.  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



# EAICAA Air Purifier

## Germicidal Air Purifier

### Easier to Sell

- High-efficiency MERV 13
- 96% germicidal/deactivation of human influenza virus, common cold virus and streptococcus bacteria
- Air Purifier is CSA (Canada and US) Listed

### Tougher

- Power supply is a highly reliable, dual voltage compatible, state-of-the-art, solid-state device
- Heavy-gauge steel cabinet supports up to 400 lb. when installed beneath a fan coil or furnace

### Easy-to-Install and Service

- Five distinct cabinet sizes help to ensure a perfect fit to the bottom and side of most fan coils and furnaces. Includes power cords
- Unit can be installed in a horizontal or vertical position, which makes it equally adaptable to horizontal, downflow, or standard upflow applications

### Warranty\*

- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

The Air Purifier is designed for use in the return air duct of a forced air heating, cooling, and ventilation system. It combines superior filtration efficiency, MERV 13, with pathogen-killing technology to deliver maximum air purification.

The Air Purifier is designed to require minimal maintenance. Maintenance is limited to the replacement of the air purification cartridge and inspection/brush cleaning of the ionization array. Frequency of air purifier cartridge replacement and cleaning of the ionization array may vary depending on ductwork design and local environmental conditions.

### Unit Performance Data

| Model Number | Dimensions H x W x D Inches (mm)       | Shipping Weight Lbs (Kg) |
|--------------|--|--------------------------|
| EAICAXX1620  | 18.48 x 7.25 x 24.68 (469 x 184 x 627) | 30 (14)                  |
| EAICAXX2020  | 22.18 x 7.25 x 24.68 (563 x 184 x 627) | 27 (12)                  |
| EAICAXX2420  | 25.68 x 7.25 x 24.68 (652 x 184 x 627) | 28 (12)                  |
| EAICAXX1625  | 18.48 x 7.25 x 27.68 (469 x 184 x 703) | 32 (15)                  |
| EAICAXX2025  | 22.18 x 7.25 x 27.68 (563 x 184 x 703) | 29 (13)                  |

# Accessories

## EAICA Air Purifier

| Accessory Part Number  | Description   | EAICAXX |      |      |      |      |
|--|---|---------|------|------|------|------|
|  |   | 1625    | 2025 | 1620 | 2020 | 2420 |
| KIT140000*   | Filter Enhancement  | X       | -    | -    | -    | -    |
| KIT141000*   | Filter Enhancement  | -       | X    | -    | -    | -    |
| KIT142000*   | Filter Enhancement  | -       | -    | X    | -    | -    |
| KIT143000*   | Filter Enhancement  | -       | -    | -    | X    | -    |
| KIT144000*   | Filter Enhancement  | -       | -    | -    | -    | X    |
| KIT153000*   | Front Door including power supply   | X       | -    | X    | -    | -    |
| KIT154000*   | Front Door including power supply   | -       | X    | -    | X    | -    |
| KIT155000*   | Front Door including power supply   | -       | -    | -    | -    | X    |
| KIT170000*   | Front Screen  | X       | -    | -    | -    | -    |
| KIT171000*   | Front Screen  | -       | X    | -    | -    | -    |
| KIT172000*   | Front Screen  | -       | -    | X    | -    | -    |
| KIT173000*   | Front Screen  | -       | -    | -    | X    | -    |
| KIT174000*   | Front Screen  | -       | -    | -    | -    | X    |
| EAICXCAR1625A02  | Replacement Filter (two pack)   | X       | -    | -    | -    | -    |
| EAICXCAR2025A02  | Replacement Filter (two pack)   | -       | X    | -    | -    | -    |
| EAICXCAR1620A02  | Replacement Filter (two pack)   | -       | -    | X    | -    | -    |
| EAICXCAR2020A02  | Replacement Filter (two pack)   | -       | -    | -    | X    | -    |
| EAICXCAR2420A02  | Replacement Filter (two pack)   | -       | -    | -    | -    | X    |
| <b>Exceptions</b>  |   |         |      |      |      |      |
| EAICAXX1625 and EAICAXX2025 are standard (shipped) with Flow Sensor for Furnaces<br>(if applied with fan coil, KIT160000 – Flow Sensor and KFAPS0110KIT – Fuse Kit are required) |   |         |      |      |      |      |
| KIT160000*   | Flow Sensor (required if no EAC terminals)                                  | X       | X    | Std  | Std  | Std  |
| KFAPS0110KIT   | 240 VAC – Fuse Kit (required if installed with fan coil)                    | X       | X    | Std  | Std  | Std  |
| EAICAXX1620, EAICAXX2020 and EAICAXX2420 are standard (shipped) with Flow Sensor for Fan Coils<br>(if applied with furnace, KIT161000 is required)                               |   |         |      |      |      |      |
| KIT161000*   | Flow Sensor Jumper/Bypass<br>(if installed with furnace with EAC terminals) | Std     | Std  | X    | X    | X    |

\* Order from FAST parts

X = Accessory

S = Standard

# Geothermal



# HP

## R410-A Geothermal Package Heat Pump

2 – 6 Ton



### Easier to Sell

- 3.5 - 4.0 COP, 15.5 - 24.5 EER (Closed Loop)
- 4.0 - 4.6 COP, 19.6 - 30.0 EER (Open Loop)
- 2" filter, MERV 8
- Unit available in vertical upflow, downflow and horizontal
- Compressor blanket
- Fully insulated cabinet with closed cell foam
- Optional supplemental domestic water heating
- Optional cupro-nickel heat exchanger for open loop applications

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- Five-year labor limited warranty
  - With timely registration, an additional five-year labor limited warranty
- 10-year parts limited warranty (including compressor)

\* For residential applications only (owner occupied for No Hassle warranty).  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Tougher

- Two-stage scroll compressor
- Variable-speed ECM blower motor
- Tin-plated copper tubing in air coil

### Easier to Install and Service

- Compatible with many three-stage heat, two-stage cooling programmable thermostats
- Microprocessor control



Qualifying models only.

### Unit Performance Data

| Model Number      | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. |
|-------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|
| HPO24CBLCDDET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24CBLCXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24CBLNDET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24CBLNXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24CBRCDET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24CBRCXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24CBRNDET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24CBRNXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24HELCDDET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HELXET1XX1   | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HELNDET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HELNXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HERCDDET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HERCXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HERNDET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HERNXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HSLCDDET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HSLCXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HSLNDET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HSLNXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HSRCDDET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HSRCXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HSRNDET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24HSRNXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 21-3/4 X 26 X 54-1/2          |
| HPO24VTLCDDET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24VTLXET1XX1   | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24VTLNDET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24VTLNXET1XX1  | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |



Unit Performance Data



| Model Number     | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. |
|------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|
| HPO24VTRCDET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24VTRCXET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24VTRNDET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO24VTRNXET1XX1 | 2           | 24,000         | 17.4                  | 25                   | 47-1/4 X 21-1/2 X 26          |
| HPO36CBLCDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36CBLCXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36CBLNDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36CBLNXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36CBRCDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36CBRCXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36CBRNDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36CBRNXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36HELCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HELCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HELNDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HELNDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HELNXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HERCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HERCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HERCXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HERNDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HERNDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HERNXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSLCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSLCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSLCXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSLNDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSLNDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSLNXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSRCDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSRCDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSRCXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSRNDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSRNDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36HSRNXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 21-3/4 X 26 X 54-1/2          |
| HPO36VTLCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTLCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTLCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTLCDT1XX1  | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTLNDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTLNDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTLNXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTRCDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTRCDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTRCXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTRNDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTRNDET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO36VTRNXET1XX1 | 3           | 36,000         | 23.4                  | 35                   | 47-1/4 X 21-1/2 X 26          |
| HPO48CBLCDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBLCDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBLCXET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBLNDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBLNDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBLNXET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBRCDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBRCDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBRCXET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBRNDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBRNDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HPO48CBRNXET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |

# HP

| Model Number      | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. |
|-------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|
| HP048HELCDDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HELCXET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HELNDDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HELNJET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HERCDET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HERCXET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HERNDET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HERNXET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HSLCDET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HSLCXET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HSLNDET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HSLNJET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HSRCDET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HSRCJET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HSRNDDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048HSRNJET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 21-3/4 X 30 X 68              |
| HP048VTLCDDET1XX1 | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HP048VTLCXET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HP048VTLNDET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HP048VTLNJET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HP048VTRCDET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HP048VTRCXET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HP048VTRNDET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HP048VTRNJET1XX1  | 4           | 48,000         | 33.3                  | 50                   | 47-1/4 X 24 X 32-3/4          |
| HP060CBLCDDET1XX1 | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060CBLCXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060CBLNDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060CBLNJET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060CBRCDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060CBRCJET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060CBRNDDET1XX1 | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060CBRNJET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060HELCDDET1XX1 | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HELCXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HELNDDET1XX1 | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HELNJET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HERCDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HERCXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HERNDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HERNXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HSLCDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HSLCXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HSLNDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HSLNJET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |

| Model Number      | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. |
|-------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|
| HP060HSRCDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HSRCXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HSRNDDET1XX1 | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060HSRNXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 21-3/4 X 30 X 68              |
| HP060VTLCDDET1XX1 | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060VTLCXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060VTLNDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060VTLNXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060VTRCDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060VTRCXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060VTRNDET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP060VTRNXET1XX1  | 5           | 60,000         | 43.0                  | 70                   | 51-1/4 X 26 X 32-1/4          |
| HP072CBLCDDET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072CBLCXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072CBLNDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072CBLNXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072CBRCDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072CBRCXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072CBRNDDET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072CBRNXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072HELCDDET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HELCTXET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HELNDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HELNXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HERCDDET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HERCTXET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HERNDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HERNXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HSLCDDET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HSLCTXET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HSLNDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HSLNXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HSRCDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HSRCXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HSRNDDET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072HSRNXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 21-3/4 X 30 X 78              |
| HP072VTLCDDET1XX1 | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072VTLCXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072VTLNDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072VTLNXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072VTRCDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072VTRCXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072VTRNDET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |
| HP072VTRNXET1XX1  | 6           | 72,000         | 46.2                  | 70                   | 58-1/4 X 26 X 33-1/4          |

# HB

## R410-A Geothermal Package Heat Pump 1.5 – 5 Ton



### Easier to Sell

- 3.7 - 4.3 COP, 18.5 - 21.7 EER (Closed Loop)
- 4.3 - 5.2 COP, 22.7 - 28.1 EER (Open Loop)
- 2" filter, MERV 8
- Unit available in vertical, upflow and horizontal
- Fully insulated cabinet with closed cell foam
- Optional supplemental domestic water heating

### Tougher

- Single-stage scroll compressor (rotary size 018)
- Multi-speed constant torque blower motor
- Tin-plated copper tubing in air coil



Qualifying models only.

### Easier to Install and Service

- Compatible with many three-stage heat, single-stage cooling programmable thermostats
- Microprocessor control

### Warranty\*

- Five-year parts and labor limited warranty (including compressor)
  - With timely registration, an additional five-year parts limited warranty (including compressor)

\* For residential applications only.

See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number     | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. |
|------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|
| HB018HELXCXC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 19-3/4 X 22-1/4 X 45-1/4      |
| HB018HELNXCC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 19-3/4 X 22-1/4 X 45-1/4      |
| HB018HERXCXC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 19-3/4 X 22-1/4 X 45-1/4      |
| HB018HERNXCC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 19-3/4 X 22-1/4 X 45-1/4      |
| HB018HSLXCXC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 19-3/4 X 22-1/4 X 45-1/4      |
| HB018HSLNXCC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 19-3/4 X 22-1/4 X 45-1/4      |
| HB018HSRCXC1XX1  | 1.5         | 18,000         | 12.1                  | 15                   | 19-3/4 X 22-1/4 X 45-1/4      |
| HB018HSRNXC1XX1  | 1.5         | 18,000         | 12.1                  | 15                   | 19-3/4 X 22-1/4 X 45-1/4      |
| HB018VTLXCXC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 39-1/4 X 21-3/4 X 21-3/4      |
| HB018VTLNXCC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 39-1/4 X 21-3/4 X 21-3/4      |
| HB018VTRXCXC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 39-1/4 X 21-3/4 X 21-3/4      |
| HB018VTRNXCC1XX1 | 1.5         | 18,000         | 12.1                  | 15                   | 39-1/4 X 21-3/4 X 21-3/4      |
| HB024HELCDCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HELXCXC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HELNDCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HELNXCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HERCDCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HERXCXC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HERNDCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HERNXCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HSLCDCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HSLXCXC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HSLNDCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HSLNXCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |
| HB024HSRCDCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 22 X 26-1/4 X 54-3/4          |

Unit Performance Data

| Model Number      | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. |
|-------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|
| HB024HSRCXCC1XX1  | 2           | 24,000         | 19.7                  | 30                   | 22 x 26-1/4 x 54-3/4          |
| HB024HSRNDCC1XX1  | 2           | 24,000         | 19.7                  | 30                   | 22 x 26-1/4 x 54-3/4          |
| HB024HSRNXC1XX1   | 2           | 24,000         | 19.7                  | 30                   | 22 x 26-1/4 x 54-3/4          |
| HB024VTLCDCC1XX1  | 2           | 24,000         | 19.7                  | 30                   | 47-1/4 x 21-3/4 x 26-1/4      |
| HB024VTLXCXCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 47-1/4 x 21-3/4 x 26-1/4      |
| HB024VTLNDCC1XX1  | 2           | 24,000         | 19.7                  | 30                   | 47-1/4 x 21-3/4 x 26-1/4      |
| HB024VTLNXCC1XX1  | 2           | 24,000         | 19.7                  | 30                   | 47-1/4 x 21-3/4 x 26-1/4      |
| HB024VTRCDCC1XX1  | 2           | 24,000         | 19.7                  | 30                   | 47-1/4 x 21-3/4 x 26-1/4      |
| HB024VTRXCXCC1XX1 | 2           | 24,000         | 19.7                  | 30                   | 47-1/4 x 21-3/4 x 26-1/4      |
| HB024VTRNDCC1XX1  | 2           | 24,000         | 19.7                  | 30                   | 47-1/4 x 21-3/4 x 26-1/4      |
| HB024VTRNXCC1XX1  | 2           | 24,000         | 19.7                  | 30                   | 47-1/4 x 21-3/4 x 26-1/4      |
| HB030HELCDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HELXCXCC1XX1 | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HELNDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HELNXCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HERCDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HERXCXCC1XX1 | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HERNDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HERNXCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSLCDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSLXCXCC1XX1 | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSLNDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSLNDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSLNXCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSRCDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSRCXCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSRNDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030HSRNXC1XX1   | 2.5         | 30,000         | 20.1                  | 30                   | 22 x 30-1/4 x 68-1/4          |
| HB030VTLCDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 47-1/4 x 24-1/4 x 33-1/2      |
| HB030VTLXCXCC1XX1 | 2.5         | 30,000         | 20.1                  | 30                   | 47-1/4 x 24-1/4 x 33-1/2      |
| HB030VTLNDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 47-1/4 x 24-1/4 x 33-1/2      |
| HB030VTLNXCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 47-1/4 x 24-1/4 x 33-1/2      |
| HB030VTRCDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 47-1/4 x 24-1/4 x 33-1/2      |
| HB030VTRXCXCC1XX1 | 2.5         | 30,000         | 20.1                  | 30                   | 47-1/4 x 24-1/4 x 33-1/2      |
| HB030VTRNDCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 47-1/4 x 24-1/4 x 33-1/2      |
| HB030VTRNXCC1XX1  | 2.5         | 30,000         | 20.1                  | 30                   | 47-1/4 x 24-1/4 x 33-1/2      |
| HB036HELXCXCC1XX1 | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HELXCXCC1XX1 | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HELNDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HELNXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HERCDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HERXCXCC1XX1 | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HERNDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HERNXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |

# HB Unit Performance Data

| Model Number      | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. |
|-------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|
| HB036HSLCDDC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HSLCXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HSLNDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HSLNXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HSRCDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HSRCXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HSRNDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036HSRNXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 22 X 30-1/4 X 68-1/4          |
| HB036VTLCDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 47-1/4 X 24-1/4 X 33-1/2      |
| HB036VTLXCXCC1XX1 | 3           | 36,000         | 26.0                  | 40                   | 47-1/4 X 24-1/4 X 33-1/2      |
| HB036VTLNDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 47-1/4 X 24-1/4 X 33-1/2      |
| HB036VTLNXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 47-1/4 X 24-1/4 X 33-1/2      |
| HB036VTRCDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 47-1/4 X 24-1/4 X 33-1/2      |
| HB036VTRCXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 47-1/4 X 24-1/4 X 33-1/2      |
| HB036VTRNDCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 47-1/4 X 24-1/4 X 33-1/2      |
| HB036VTRNXCC1XX1  | 3           | 36,000         | 26.0                  | 40                   | 47-1/4 X 24-1/4 X 33-1/2      |
| HB042HELCDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HELXCXCC1XX1 | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HELNDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HELNXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HERCDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HERCXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HERNDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HERNXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HSLCDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HSLCXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HSLNDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HSLNXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HSRCDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HSRCXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HSRNDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042HSRNXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 22 X 30-1/4 X 79              |
| HB042VTLCDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB042VTLXCXCC1XX1 | 3.5         | 42,000         | 26.9                  | 40                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB042VTLNDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB042VTLNXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB042VTRCDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB042VTRCXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB042VTRNDCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB042VTRNXCC1XX1  | 3.5         | 42,000         | 26.9                  | 40                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB048HELCDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HELXCXCC1XX1 | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HELNDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HELNXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |

| Model Number      | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. |
|-------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|
| HB024CBLCDDET1XX1 | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HERCXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HERNDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HERNXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HSLCDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HSLCXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HSLNDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HSLNXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HSRCDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HSRCXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HSRNDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048HSRNXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 22 X 32-1/4 X 79              |
| HB048VTLCDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB048VTLXCC1XX1   | 4           | 48,000         | 30.9                  | 50                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB048VTLNDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB048VTLNXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB048VTRCDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB048VTRCXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB048VTRNDCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB048VTRNXCC1XX1  | 4           | 48,000         | 30.9                  | 50                   | 58-1/4 X 26-1/4 X 33-1/2      |
| HB060HELCDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HELCXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HELNDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HELNXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HERCDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HERCXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HERNDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HERNXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HSLCDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HSLCXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HSLNDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HSLNXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HSRCDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HSRCXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HSRNDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060HSRNXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 22 X 30-1/4 X 89-1/4          |
| HB060VTLCDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 66-1/4 X 26-1/4 X 33-1/2      |
| HB060VTLXCC1XX1   | 5           | 60,000         | 38.9                  | 60                   | 66-1/4 X 26-1/4 X 33-1/2      |
| HB060VTLNDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 66-1/4 X 26-1/4 X 33-1/2      |
| HB060VTLNXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 66-1/4 X 26-1/4 X 33-1/2      |
| HB060VTRCDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 66-1/4 X 26-1/4 X 33-1/2      |
| HB060VTRCXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 66-1/4 X 26-1/4 X 33-1/2      |
| HB060VTRNDCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 66-1/4 X 26-1/4 X 33-1/2      |
| HB060VTRNXCC1XX1  | 5           | 60,000         | 38.9                  | 60                   | 66-1/4 X 26-1/4 X 33-1/2      |

# HS

## R410-A Geothermal Split Heat Pump

2 – 5 Ton



### Easier to Sell

- 3.4 - 4.5 COP, 15.4 - 26.4 EER (Closed Loop)
- 3.9 - 5.1 COP, 19.2 - 30.5 EER (Open Loop)
- Compressor blanket
- Fully insulated cabinet with closed cell foam
- Optional supplemental domestic water heating

### Tougher

- Two-stage scroll compressor
- Used with variable-speed fan coil or furnace with evaporator coil



Qualifying models only.

### Easier to Install and Service

- Unit compatible with ICP evaporator coils
- Compatible with FVM4X fan coils
- Microprocessor control
- Compatible with many three-stage heat, two-stage cooling programmable thermostats

### Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- Five-year labor limited warranty
  - With timely registration, an additional five-year labor limited warranty
- 10-year labor limited warranty (including compressor)

\* For residential applications only (owner occupied for No Hassle Replacement warranty). See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### Unit Performance Data

| Model Number     | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D (sq) in. | Operating (Shipping) Wt lbs. |
|------------------|-------------|----------------|-----------------------|----------------------|-------------------------------|------------------------------|
| HS024SXXCDXX1XX1 | 2           | 24,000         | 14.6                  | 25                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS024SXXCXXX1XX1 | 2           | 24,000         | 14.6                  | 25                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS024SXXNDXX1XX1 | 2           | 24,000         | 14.6                  | 25                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS024SXXNXXX1XX1 | 3           | 36,000         | 19.1                  | 30                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS036SXXCDXX1XX1 | 3           | 36,000         | 19.1                  | 30                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS036SXXCXXX1XX1 | 3           | 36,000         | 19.1                  | 30                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS036SXXNDXX1XX1 | 3           | 36,000         | 19.1                  | 30                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS036SXXNXXX1XX1 | 3           | 36,000         | 19.1                  | 30                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS048SXXCDXX1XX1 | 4           | 48,000         | 26.5                  | 45                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS048SXXCXXX1XX1 | 4           | 48,000         | 26.5                  | 45                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS048SXXNDXX1XX1 | 4           | 48,000         | 26.5                  | 45                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS048SXXNXXX1XX1 | 4           | 48,000         | 26.5                  | 45                   | 21-1/2 X 24 X 27-3/8          | 189 (172)                    |
| HS060SXXCDXX1XX1 | 5           | 60,000         | 33.9                  | 60                   | 23-1/4 X 27 X 33-3/8          | 261 (237)                    |
| HS060SXXCXXX1XX1 | 5           | 60,000         | 33.9                  | 60                   | 23-1/4 X 27 X 33-3/8          | 261 (237)                    |
| HS060SXXNDXX1XX1 | 5           | 60,000         | 33.9                  | 60                   | 23-1/4 X 27 X 33-3/8          | 261 (237)                    |
| HS060SXXNXXX1XX1 | 5           | 60,000         | 33.9                  | 60                   | 23-1/4 X 27 X 33-3/8          | 261 (237)                    |





#### Easier to Sell

- 3.0 - 3.2 COP, 14.6 - 22.1 EER (Closed Loop)
- 3.4 - 3.8 COP, 18.8 - 25.7 EER (Open Loop)
- Fully insulated cabinet with fiberglass
- Compressor blanket
- Optional supplemental domestic water heating

#### Tougher

- Two-stage scroll compressor



Qualifying models only.

#### Easier to Install and Service

- Unit designed for variety of hydronic applications
- Microprocessor control

#### Warranty\*

- Five-year No Hassle Replacement™ limited warranty
- Five-year labor limited warranty
  - With timely registration, an additional five-year labor limited warranty
- 10-year parts limited warranty (including compressor)

\* For residential applications only (owner occupied for No Hassle Replacement warranty).  
See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

#### Unit Performance Data

| Model Number      | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D in. | Ship/Operating Weight lbs. |
|-------------------|-------------|----------------|-----------------------|----------------------|--------------------------|----------------------------|
| HW024WXXDDXX1XX1  | 2           | 24,000         | 14.6                  | 25                   | 24-1/8 x 32-1/2 x 24     | 250 (270)                  |
| HW024WXXDXX1XX1   | 2           | 24,000         | 14.6                  | 25                   | 24-1/8 x 32-1/2 x 24     | 250 (270)                  |
| HW024WXXEDXX1XX1  | 2           | 24,000         | 14.6                  | 25                   | 24-1/8 x 32-1/2 x 24     | 250 (270)                  |
| HW024WXXEXXX11XX1 | 2           | 24,000         | 14.6                  | 25                   | 24-1/8 x 32-1/2 x 24     | 250 (270)                  |
| HW024WXXFDXX1XX1  | 2           | 24,000         | 14.6                  | 25                   | 24-1/8 x 32-1/2 x 24     | 250 (270)                  |
| HW024WXXFXXX1XX1  | 2           | 24,000         | 14.6                  | 25                   | 24-1/8 x 32-1/2 x 24     | 250 (270)                  |
| HW024WXXGDXX1XX1  | 2           | 24,000         | 14.6                  | 25                   | 24-1/8 x 32-1/2 x 24     | 250 (270)                  |
| HW024WXXGXXX1XX1  | 2           | 24,000         | 14.6                  | 25                   | 24-1/8 x 32-1/2 x 24     | 250 (270)                  |
| HW036WXXDDXX1XX1  | 3           | 36,000         | 19.1                  | 30                   | 24-1/8 x 32-1/2 x 24     | 270 (290)                  |
| HW036WXXDXX1XX1   | 3           | 36,000         | 19.1                  | 30                   | 24-1/8 x 32-1/2 x 24     | 270 (290)                  |
| HW036WXXEDXX1XX1  | 3           | 36,000         | 19.1                  | 30                   | 24-1/8 x 32-1/2 x 24     | 270 (290)                  |
| HW036WXXEXXX1XX1  | 3           | 36,000         | 19.1                  | 30                   | 24-1/8 x 32-1/2 x 24     | 270 (290)                  |
| HW036WXXFDXX1XX1  | 3           | 36,000         | 19.1                  | 30                   | 24-1/8 x 32-1/2 x 24     | 270 (290)                  |
| HW036WXXFXXX1XX1  | 3           | 36,000         | 19.1                  | 30                   | 24-1/8 x 32-1/2 x 24     | 270 (290)                  |
| HW036WXXGDXX1XX1  | 3           | 36,000         | 19.1                  | 30                   | 24-1/8 x 32-1/2 x 24     | 270 (290)                  |
| HW036WXXGXXX1XX1  | 3           | 36,000         | 19.1                  | 30                   | 24-1/8 x 32-1/2 x 24     | 270 (290)                  |

# HW con't

## R410-A Geothermal Split Heat Pump

### Unit Performance Data

| Model Number      | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Dimensions H x W x D in. | Ship/Operating Weight lbs. |
|-------------------|-------------|----------------|-----------------------|----------------------|--------------------------|----------------------------|
| HW048WXXDDXX1XX1  | 4           | 48,000         | 26.5                  | 45                   | 24-1/8 x 32-1/2 x 24     | 252 (270)                  |
| HW048WXXDXXX1XX1  | 4           | 48,000         | 26.5                  | 45                   | 24-1/8 x 32-1/2 x 24     | 252 (270)                  |
| HW048WXXEDXX1XX1  | 4           | 48,000         | 26.5                  | 45                   | 24-1/8 x 32-1/2 x 24     | 252 (270)                  |
| HW048WXXEXXX11XX1 | 4           | 48,000         | 26.5                  | 45                   | 24-1/8 x 32-1/2 x 24     | 252 (270)                  |
| HW048WXXFDXX1XX1  | 4           | 48,000         | 26.5                  | 45                   | 24-1/8 x 32-1/2 x 24     | 252 (270)                  |
| HW048WXXFXXX1XX1  | 4           | 48,000         | 26.5                  | 45                   | 24-1/8 x 32-1/2 x 24     | 252 (270)                  |
| HW048WXXGDXX1XX1  | 4           | 48,000         | 26.5                  | 45                   | 24-1/8 x 32-1/2 x 24     | 252 (270)                  |
| HW048WXXGXXX1XX1  | 4           | 48,000         | 26.5                  | 45                   | 24-1/8 x 32-1/2 x 24     | 252 (270)                  |
| HW060WXXDDXX1XX1  | 5           | 60,000         | 33.9                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW060WXXDXXX1XX1  | 5           | 60,000         | 33.9                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW060WXXEDXX1XX1  | 5           | 60,000         | 33.9                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW060WXXEXXX1XX1  | 5           | 60,000         | 33.9                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW060WXXFDXX1XX1  | 5           | 60,000         | 33.9                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW060WXXFXXX1XX1  | 5           | 60,000         | 33.9                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW060WXXGDXX1XX1  | 5           | 60,000         | 33.9                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW060WXXGXXX1XX1  | 5           | 60,000         | 33.9                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW072WXXDDXX1XX1  | 6           | 72,000         | 37.1                  | 60                   | 24-1/8 x 32-1/2 x 24     | 340 (360)                  |
| HW072WXXDXXX1XX1  | 6           | 72,000         | 37.1                  | 60                   | 24-1/8 x 32-1/2 x 24     | 360 (380)                  |
| HW072WXXEDXX1XX1  | 6           | 72,000         | 37.1                  | 60                   | 24-1/8 x 32-1/2 x 24     | 360 (380)                  |
| HW072WXXEXXX1XX1  | 6           | 72,000         | 37.1                  | 60                   | 24-1/8 x 32-1/2 x 24     | 360 (380)                  |
| HW072WXXFDXX1XX1  | 6           | 72,000         | 37.1                  | 60                   | 24-1/8 x 32-1/2 x 24     | 360 (380)                  |
| HW072WXXFXXX1XX1  | 6           | 72,000         | 37.1                  | 60                   | 24-1/8 x 32-1/2 x 24     | 360 (380)                  |
| HW072WXXGDXX1XX1  | 6           | 72,000         | 37.1                  | 60                   | 24-1/8 x 32-1/2 x 24     | 360 (380)                  |
| HW072WXXGXXX1XX1  | 6           | 72,000         | 37.1                  | 60                   | 24-1/8 x 32-1/2 x 24     | 360 (380)                  |

### Residential Flow Centers

| Flo-Link Series (Double O-Ring) Pressurized Flow Centers                  |  |
|---|--|
| Part Number   | Description  |
| <b>Flo-Link Foamed Cabinet (Double O-Ring Connections – Brass Valves)</b> |  |
| FCP11BD   | FL1-99 USPS26-99, Three-Speed, 230V, Grundfos  |
| FCP12BD   | FL1-116 UP26-116, Single-Speed, 230V, Grundfos                                       |
| FCP13BD   | FLV1, UPS32-140 (Variable-Speed), 230V, Grundfos                                     |
| FCP21BD   | FL2-99 UPS26-99, Three-Speed, 230V, Grundfos, Quantity: 2                            |
| FCP22BD   | FL2-116 UP26-116, Single-Speed, 230V, Grundfos, Quantity: 2                          |
| FCP24BD   | FLV2, one UPS32-140 (Variable-Speed) and one UPS26-99 (Three-Speed), 230V, Grundfos* |

\*Variable-speed flow centers require a controller package. See Accessory section of Geothermal System Components Catalog.

**Note:** Each unit contains: Mounting hardware and one set of Flo-Link by 1-1/4 in. fusion fittings (loop side).

| Part Number   | Description   |
|---|---|
| <b>Flo-Link Foamed Cabinet (Double O-Ring Connections – Composite Valves)</b> |   |
| FCP11CD   | FL1-99 USPS26-99, Three-Speed, 230V, Grundfos             |
| FCP21CD   | FL2-99 UPS26-99, Three-Speed, 230V, Grundfos, Quantity: 2 |

**Note:** Each unit contains: Mounting hardware and one set of Flo-Link by 1-1/4 in. fusion fittings (loop side).

| Panel Mount Variable-Speed Flow Centers |   |                            |                       |
|---|---|----------------------------|-----------------------|
| Part Number                             | Description                                       |                            |                       |
|   | Variable-Speed Pre-Wired Packages (Panel Mounted) |                            |                       |
|   | Flow Center                                       | Control                    | Connections           |
| FCM13BDT                                | Single Pump, Brass Valves                         | Temperature Difference     | Hose Kit / PE Fusion* |
| FCM13BDF                                | Single Pump, Brass Valves                         | Flow & Temperature Control | Hose Kit / PE Fusion* |
| FCM24BDT                                | Two Pump, Brass Valves                            | Temperature Difference     | Hose Kit / PE Fusion* |
| FCM24BDF                                | Two Pump, Brass Valves                            | Flow & Temperature Control | Hose Kit / PE Fusion* |

\*Kit includes all of the fittings necessary for connecting to the ground loop (1-1/4" PE fusion) and to the heat pump (1" MPT).

| GPM Series (FPT) Pressurized Flow Centers          |  |
|--|--|
| Part Number  | Description  |
| <b>GPM-1 with Foamed Cabinet (FPT Connections)</b> |  |
| FCP11BF  | GPM-1 UPS26-99, Three-Speed, 230V Grundfos               |
| FCP12BF  | GPM-1 UP26-116, Single-Speed, 230V Grundfos              |
| <b>GPM-2 with Foamed Cabinet (FPT Connections)</b> |  |
| FCP21BF  | GPM-2 UPS26-99, Three-Speed, 230V Grundfos, Quantity: 2  |
| FCP22BF  | GPM-2 UP26-116, Single-Speed, 230V Grundfos, Quantity: 2 |
| <b>GPM-3 with Foamed Cabinet (FPT Connections)</b> |  |
| FCP31BF  | GPM-3 UPS26-99, Three-Speed, 230V Grundfos, Quantity: 3  |
| FCP32BF  | GPM-2 UP26-116, Single-Speed, 230V Grundfos, Quantity: 3 |
| <b>GPM-4 with Foamed Cabinet (FPT Connections)</b> |  |
| FCP41BF  | GPM-4 UPS26-99, Three-Speed, 230V Grundfos, Quantity: 4  |
| FCP42BF  | GPM-2 UP26-116, Single-Speed, 230V Grundfos, Quantity: 4 |

**Note:** Each unit contains: Mounting hardware.

# Accessories

## Geothermal

| NP Series Non-Pressurized Flow Center  |  |
|--|--|
| Part Number  | Description  |
| <b>NP<sup>1</sup> with Foamed Cabinet (Flo-Link Double O-Ring Connections)</b>                     |  |
| FCN11CD  | NP <sup>1</sup> UPS26-99, Three-Speed, 230V, Grundfos  |
| FCN12CD  | NP <sup>1</sup> UP26-116, Single-Speed, 230V, Grundfos   |
| <b>NP<sup>2</sup> with Foamed Cabinet (Flo-Link Double O-Ring Connections)</b>                     |  |
| FCN21CD  | NP <sup>2</sup> UPS26-99, Three-Speed, 230V, Grundfos, Quantity: 2                                 |
| FCN22CD  | NP <sup>2</sup> UP26-116, Single-Speed, 230V, Grundfos, Quantity: 2                                |
| <b>NP<sup>V</sup> and NP<sup>V2</sup> with Foamed Cabinet (Flo-Link Double O-Ring Connections)</b> |  |
| FCN13CD  | NP <sup>V</sup> Magna GEO (Variable-Speed), 230V, Grundfos*  |
| FCN24CD  | NP <sup>V2</sup> One Magna GEO (Variable-Speed) and One UPS26-99 (Constant Speed), 230V, Grundfos* |

\*Variable-speed flow centers require a controller package.

**Note:** Requires Flo-Link adapter sets for all connections or connector kit.

| Hose Kits  |  |
|--|--|
| Part Number  | Description  |
| <b>1-inch Hose Kit (MPT @ Flow Center and Heat Pump)</b>               |  |
| HK4MM  | <b>Hose Kit Contents:</b><br>Quantity 1: 12 ft. 1-inch ID Black Hose<br>Quantity 2: Insulating Boot<br>Quantity 2: Insulating Boot Caps<br>Quantity 2: PT Plug, 1/4" MPT<br>Quantity 2: Fitting, 1" MPT x 1" Hose Barb (flow center connection)<br>Quantity 2: Elbow, 1" MPT x 1" Hose Barb with PT Port (heat pump connection)<br>Quantity 8: Hose Clamps   |
| <b>1-inch Hose Kit (Flo-Link Double O-Ring @ Flow Center; MPT™ HP)</b> |  |
| HK4DM  | <b>Hose Kit Contents:</b><br>Quantity 1: 12 ft. 1-inch ID Black Hose<br>Quantity 2: Insulating Boot<br>Quantity 2: Insulating Boot Caps<br>Quantity 2: PT Plug, 1/4" MPT<br>Quantity 2: Fitting, Flo-Link x 1" Hose Barb (flow center connection)<br>Quantity 2: Elbow, 1" MPT x 1" Hose Barb with PT Port (heat pump connection)<br>Quantity 8: Hose Clamps |

| <b>Fittings</b>   |   |
|---|---|
| <b>Part Number</b>  | <b>Description</b>  |
| <b>PE and PVC Adapters</b>                                      |   |
| FIS4D5U   | Flo-Link x 1-1/4" PE Fusion                                       |
| FIS4D4U   | Flo-Link x 1" PE Fusion   |
| FIS4D5P   | Flo-Link x 1-1/4" PVC Glue  |
| <b>Brass Adapters - Hose Barb</b>                               |   |
| FIS4D4B   | Flo-Link x 1" Hose Barb   |
| FIS4D4V   | Flo-Link x 1" Hose Barb (with check valve)                        |
| FIS4D5B   | Flo-Link x 1-1/4" Hose Barb                                       |
| <b>Brass Adapters - Threaded</b>                                |   |
| FIS4D4M   | Flo-Link x 1" MPT   |
| FIS4D4F   | Flo-Link x 1" FPT   |
| FIS4E4M   | Flo-Link (female) x 1" MPT  |
| FIS4D4J   | Flo-Link x 1" FPT Full Port Isolation Valves                      |
| FIN4M4F   | Flo-Link 1" MPT x 1" FPT 45Y angle                                |
| <b>Brass Adapters with Fitting for PT Port</b>                  |   |
| FIS4T4B   | Flo-Link x 1" Hose Barb with Fitting for PT Port                  |
| FIE4T4B   | Flo-Link Elbow x 1" Hose Barb with Fitting for PT Port            |
| FIS4T4M   | Flo-Link x 1" MPT with Fitting for PT Port                        |
| FIE4T4M   | Flo-Link Elbow x 1" MPT with Fitting for PT Port                  |
| FIS4DSS   | Flo-Link x 1-1/8" Sweat with Fitting for PT Port                  |
| FIE4M4F   | Flo-Link 1" MPT x 1" FPT Elbow with PT Plugs and Port             |
| <b>Installation/Service Adapters</b>                            |   |
| FIE4D4C   | Flo-Link x Male Cam Adapter                                       |
| FIS4D3G   | Flo-Link by Male Garden Hose Adapter                              |
| FIS4D3H   | Flo-Link x Female Garden Hose Adapter                             |
| <b>Threaded Fittings, Adapters and Other Fitting Components</b> |   |
| FIE4M4B   | 1" MPT Elbow x 1" Hose Barb with Fitting for PT Port              |
| FIS4M5B   | 1" MPT x 1-1/4" Hose Barb   |
| FIE4A4A   | Insulating Boot Set for 1" Elbows                                 |
| FIS4Z4W   | Water Heater Adapter (Use ASME Rated Water Heater as Buffer Tank) |
| FIS4M4C   | 1" MPT x 1" CAM, Aluminum   |

# Accessories

## Geothermal

| Part Number  | Description   |
|--|---|
| <b>Loop Pressurization</b>                         |   |
| ACPB   | Pressure Battery (Polyethylene Expansion Tank) – Up to 6 Tons   |
| ACGB   | Geo-Booster (Loop Pressurization System – 35 psig)  |
| ACGP   | Geo-Prime Tank*   |
| <b>Pressure/Temperature Plugs</b>                  |   |
| ACPTP1   | 1/4" P/T Plug (each)  |
| ACPTP2   | 1/2" P/T Plug (each)  |
| <b>Controllers for Variable-Speed Flow Centers</b> |   |
| ACVCT  | Grundfos Magna GEO Controller(for NPV and NPV2) – Temperature Control (Hose Kit or PVC Connections – 1/4" MPT Immersion Thermistors Included) |
| ACVCFHB  | Grundfos Magna GEO Controller (for NPV and NPV2) – Temperature and Flow Control for Hose Kit Connections                                      |
| ACVCFPVC   | Grundfos Magna GEO Controller (for NPV and NPV2) – Temperature and Flow Control for PVC Connections   |
| <b>Two Heat Pump Flow Center Sharing Control</b>   |   |
| ACPSRN   | Pump Sharing Relay (Two Units; One Flow Center) with NEMA encl.   |

\*Use with Flo-Link flow centers or insulated pumps. May also be used with GPM flow centers with Flo-Link female x 1" MPT adapter.

| <b>NP Series Connector Kit</b>                                  |  |
|---|--|
| Part Number   | Description  |
| <b>NP Series Hose Kit with Three-Way Flushing/Purging Valve</b> |  |
| ACCKNP  | <p><b>Hose Kit Contents:</b></p> <p>Quantity 1: 12 ft. 1-inch ID Black Hose, 150 psi</p> <p>Quantity 4: Insulating Boot</p> <p>Quantity 2: Elbow, 1" MPT x 1" Hose Barb with PT Port (heat pump connections)</p> <p>Quantity 2: PT Plug, 1/4" MPT</p> <p>Quantity 2: Elbow, 1/4" Plugs, Flo-Link x 1" Hose Barb (flow center connections)</p> <p>Quantity 1: Three-Way Valve, Single, Composite, Flo-Link Fittings</p> <p>Quantity 1: 1-1/4" PE Fusion x Flo-Link (Three-way Valve Connection to Ground Loop)</p> <p>Quantity 1: Flo-Link x 1" Hose Barb (Three-Way Valve Connection to Heat Pump)</p> <p>Quantity 1: 1-1/4" PE Fusion x 1" Hose Barb (Ground Loop Connection to Hose at Flow Center, RH Side)</p> <p>Quantity 12: Hose Clamps</p> |

Compatible with NP Series flow centers and heat pumps with 1" FPT connections.

| <b>Unit Mounting Pad</b> |   |
|--------------------------|---|
| Part Number              | Description                                       |
| ACMP2436                 | 3/4" High Density Rubber Equipment Pad, 24" x 36" |
| ACMP2836                 | 3/4" High Density Rubber Equipment Pad, 28" x 36" |

| Open Loop Accessories            |   |
|----------------------------------|---|
| Part Number                      | Description   |
| <b>Motorized Solenoid Valves</b> |   |
| MVBR3F                           | Valve, Motorized Solenoid, Forged Brass 3/4" FPT, 24V with End Sw |
| MVBR4F                           | Valve, Motorized Solenoid, Forged Brass 1" FPT, 24V with End Sw   |
| <b>Flow Regulator Valves</b>     |   |
| FR2                              | Valve, Flow Regulator, 3/4" FPT x 3/4" FPT, 2 GPM                 |
| FR3                              | Valve, Flow Regulator, 3/4" FPT x 3/4" FPT, 3 GPM                 |
| FR4                              | Valve, Flow Regulator, 3/4" FPT x 3/4" FPT, 4 GPM                 |
| FR5                              | Valve, Flow Regulator, 3/4" FPT x 3/4" FPT, 5 GPM                 |
| FR6                              | Valve, Flow Regulator, 3/4" FPT x 3/4" FPT, 6 GPM                 |
| FR7                              | Valve, Flow Regulator, 3/4" FPT x 3/4" FPT, 7 GPM                 |
| FR8                              | Valve, Flow Regulator, 3/4" FPT x 3/4" FPT, 8 GPM                 |
| FR9                              | Valve, Flow Regulator, 3/4" FPT x 3/4" FPT, 9 GPM                 |

| Fusion and Service Tools          |   |
|-----------------------------------|---|
| Part Number                       | Description   |
| <b>Flush Care and Accessories</b> |   |
| TLFLC2                            | Flush Cart*   |
| TLFLH1                            | Hose Assembly, Flush Cart (set of 2, 10 feet) – 1" CAM Fittings (loop side) |
| FLFLH2                            | Hose Assembly, Flush Cart (set of 2, 10 feet) – 1-1/4" Ball Valves          |
| TLFFLH3                           | Hose Assembly (set of 2, 20 feet) – 1-1/2" CAM Fittings (loop side)**       |
| TLFB100                           | Filter Bag, 100 micron, for Flush Cart (each)                               |
| TLFB001                           | Filter Bag, One micron, for Flush Cart                                      |
| <b>Loop Tools and Accessories</b> |   |
| TLGG0                             | Geo-Gooser Loop Pressurization Device                                       |
| TLDTH                             | Thermometer, Digital with Case  |
| TLPG1                             | Pressure Gauge, 0-100 psig, 3-1/2" dial with PT Adapter                     |
| TLGAD                             | Gauge Adapter P/T Plug with Guard   |
| TLHYD                             | Hydrometer, Alcohols  |
| TLMFI                             | AC Magnetic Field Indicator (check pump operation)                          |
| TLFLK                             | Loop Service and Flush Kit  |

\*B12 Ships with Hose Set with 1-1/4" Ball Valve.

\*\*Ships with 2-CAM male x male adapters. May be used as an extension set or with Flo-Link XL Flow Centers.

| Fusion and Service Tools for NP Series |  |
|--|--|
| Part Number                            | Description  |
| <b>GEO-Meter Flow Meter Tool</b>       |  |
| TLNPFMT                                | Mechanical (variable area) Flow Meter Tool   |
| TLNPBDA                                | Adapter Kit or B and D Flow Meter Tool<br>(allows B & D Tool to be used with NP Series Flow Centers) |

Flow meter tool contains: Tool with fittings, 90° cam x double O-ring adapter, straight cam x double O-ring adapter, B & D adapter, and carrying case.

# Accessories

## Geothermal

| Fusion and Service Tools for NP Series |   |
|--|---|
| Part Number                            | Description   |
| <b>Fusion Tools</b>                    |   |
| TLHFD                                  | Heat Fusion Tool – Double Face  |
| TLFKT                                  | Fusion Tool Kit 3/4", 1-1/4", and 2" Includes:<br>Complete Fusion Tool Set (3/4", 1-1/4" and 2")<br>Heating Tool with Cover, Socket Faces, Cold Rings, 1-1/4" and 2" Chamfer Tools, Tool Box<br>Timer, Temple Sticks, Up to 2" Ratchet Cutter |
| <b>Socket Faces</b>                    |   |
| TLSF3                                  | 3/4" IPS Socket Face Set  |
| TLSF4                                  | 1" IPS Socket Face Set  |
| TLSF5                                  | 1-1/4" IPS Socket Face Set  |
| TLSF6                                  | 1-1/2" IPS Socket Face Set  |
| TLSF8                                  | 2" IPS Socket Face Set  |
| <b>Cold Rings Vice Grip Clamp</b>      |   |
| TLCR3                                  | 3/4" IPS Cold Ring Vice Grip Clamp  |
| TLCR4                                  | 1" IPS Cold Ring Vice Grip Clamp  |
| TLCR5                                  | 1-1/4" IPS Cold Ring Vice Grip Clamp  |
| TLCR6                                  | 1-1/2" IPS Cold Ring Vice Grip Clamp  |
| TLCR8                                  | 2" IPS Cold Ring Vice Grip Clamp  |
| <b>Depth Gauge/Chamfer Tool</b>        |   |
| TLDG3                                  | 3/4" IPS Depth Gauge/Chamfer Tool   |
| TLDG4                                  | 1" IPS Depth Gauge/Chamfer Tool   |
| TLDG5                                  | 1-1/4" IPS Depth Gauge/Chamfer Tool   |
| TLDG6                                  | 1-1/2" IPS Depth Gauge/Chamfer Tool   |
| TLDG8                                  | 2" IPS Depth Gauge/Chamfer Tool   |
| <b>Fusion Tools</b>                    |   |
| TLFHO                                  | Fitting Holder – 2" IPS   |
| TLFTI                                  | Fusion Timer  |
| TLTS5                                  | Temp Stick – PE, 500° F   |
| TLMBR                                  | Mounting Bracket for Fusion Tool  |
| TLFHB                                  | Fusion Tool Heater Bag  |
| <b>Pipe Cutters</b>                    |   |
| TLPC4                                  | PE Cutter – Up to 1"  |
| TLPC5                                  | PE Ratchet Cutter – Up to 1-1/4"  |
| TLPC8                                  | PE Ratchet Cutter – Up to 2"  |

| Auxiliary Heaters |                 |                        |
|-------------------|-----------------|------------------------|
| Part Number       | Description     | Used With              |
| KWBEH0101N05      | Non-Fused 5 Kw  | HP 024-036, HB 018-036 |
| KWBEH0101N10      | Non-Fused 10 Kw | HP 024-036, HB 024-060 |
| KWBEH0101N15      | Breaker 15 Kw   | HP 048-072, HB 036-060 |
| KWBEH0101N20      | Breaker 20 Kw   | HP 060-072, HB 048-060 |

















