



# H4H4

## DX 1400

### Product Specifications

## HIGH EFFICIENCY 14 SEER HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT 1½ THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz

### REFRIGERATION CIRCUIT

- Copeland Scroll™ compressors on all models
- Crankcase Heater factory installed
- 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

### PERFORMANCE

- 2-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
- Compressor access panel
- New, innovative control box design
- External high and low refrigerant service ports
- Fan motor in-line disconnect plug
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

### BUILT TO LAST

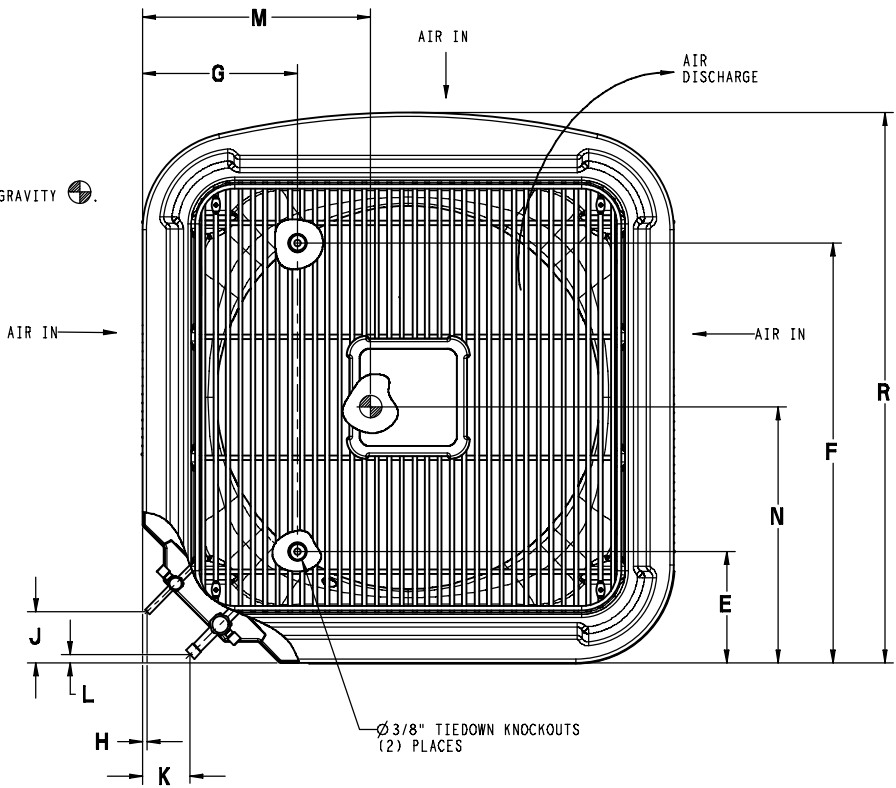
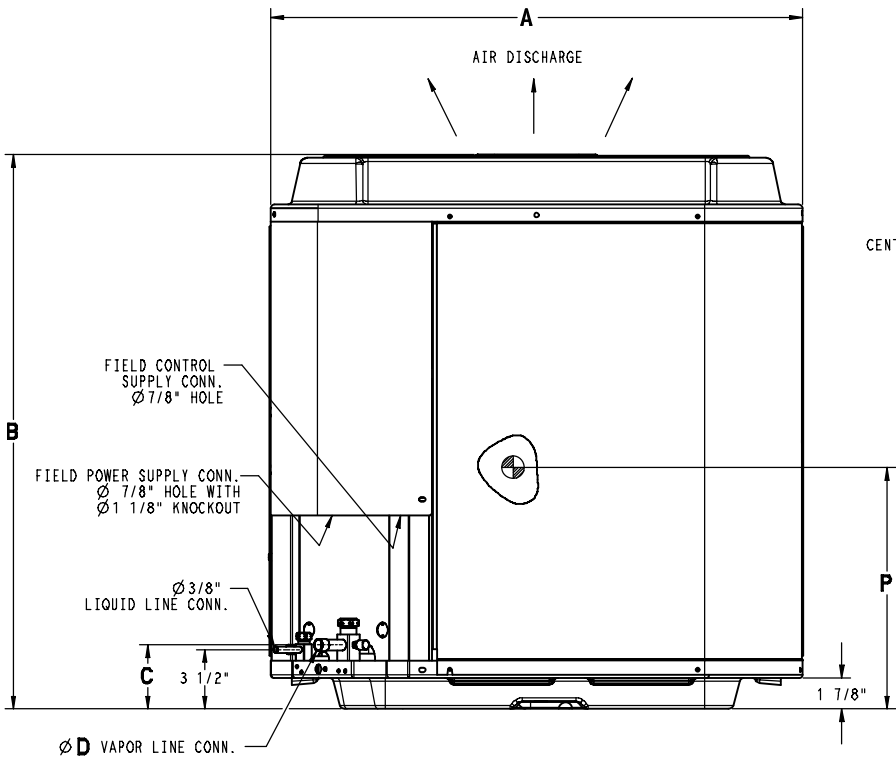
- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- SermaGard® coated cabinet screws
- Coated inlet grille with ⅜" spacing for extra protection
- Corner Posts for extra strength and style
- 7 year No-Hassle replacement limited warranty
- 10 year limited compressor, 7 year limited coil, and 5 year limited parts warranties



Rated in accordance with ARI Standard 240.  
Certification applies only when used with proper components as listed with ARI.



| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions height x width x depth (in) | Ship / Operating Weight (lbs) |
|--------------|-------------|----------------|-----------------------|----------------------|--------------------------------------------------|-------------------------------|
| H4H418GKB    | 1½          | 18,000         | 12.0                  | 20                   | 33⅝ × 35 × 36⅞                                   | 224 / 195                     |
| H4H424GKC    | 2           | 24,000         | 16.7                  | 25                   | 33⅝ × 35 × 36⅞                                   | 267 / 233                     |
| H4H430GKC    | 2½          | 30,000         | 24.9                  | 40                   | 36¾ × 35 × 36⅞                                   | 283 / 248                     |
| H4H436GKC    | 3           | 36,000         | 22.8                  | 40                   | 40⅞ × 35 × 36⅞                                   | 299 / 264                     |
| H4H442GKC    | 3½          | 42,000         | 26.5                  | 40                   | 40⅞ × 35 × 36⅞                                   | 327 / 292                     |
| H4H448GKC    | 4           | 48,000         | 30.9                  | 50                   | 43½ × 35 × 36⅞                                   | 338 / 302                     |
| H4H460GKB    | 5           | 60,000         | 34.3                  | 50                   | 43½ × 35 × 36⅞                                   | 329 / 296                     |



| Model     | All Dimensions Inches |                                 |                               |                 |                                |                                 |                               |                               |                                 |                                 |                 |                                |                                |                                |                                 |                                     |                                                                                                   |
|-----------|-----------------------|---------------------------------|-------------------------------|-----------------|--------------------------------|---------------------------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|-----------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------|
|           | A                     | B                               | C                             | D               | E                              | F                               | G                             | H                             | J                               | K                               | L               | M                              | N                              | P                              | R                               | Minimum Mounting Pad Size           | Crated Dimensions B(h) x A(w) x R(d)                                                              |
| H4H418GKB | 35                    | 33 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5/ <sub>8</sub> | 6 <sup>9</sup> / <sub>16</sub> | 28 <sup>7</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>8</sub> | 3 <sup>13</sup> / <sub>16</sub> | 2 <sup>13</sup> / <sub>16</sub> | 1/2             | 17 <sup>1</sup> / <sub>4</sub> | 17 <sup>1</sup> / <sub>2</sub> | 16                             | 36 <sup>9</sup> / <sub>16</sub> | 35 x 36 <sup>1</sup> / <sub>2</sub> | 37 <sup>1</sup> / <sub>4</sub> x 36 <sup>1</sup> / <sub>8</sub> x 37 <sup>3</sup> / <sub>4</sub>  |
| H4H424GKC | 35                    | 33 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5/ <sub>8</sub> | 6 <sup>9</sup> / <sub>16</sub> | 28 <sup>7</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>8</sub> | 3 <sup>13</sup> / <sub>16</sub> | 2 <sup>13</sup> / <sub>16</sub> | 1/2             | 18                             | 16 <sup>1</sup> / <sub>2</sub> | 16 <sup>1</sup> / <sub>2</sub> | 36 <sup>9</sup> / <sub>16</sub> | 35 x 36 <sup>1</sup> / <sub>2</sub> | 37 <sup>1</sup> / <sub>4</sub> x 36 <sup>1</sup> / <sub>8</sub> x 37 <sup>3</sup> / <sub>4</sub>  |
| H4H430GKC | 35                    | 36 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 3/ <sub>4</sub> | 6 <sup>9</sup> / <sub>16</sub> | 28 <sup>7</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>8</sub> | 3 <sup>13</sup> / <sub>16</sub> | 2 <sup>13</sup> / <sub>16</sub> | 1/2             | 18                             | 16 <sup>3</sup> / <sub>4</sub> | 17                             | 36 <sup>9</sup> / <sub>16</sub> | 35 x 36 <sup>1</sup> / <sub>2</sub> | 40 <sup>9</sup> / <sub>8</sub> x 36 <sup>1</sup> / <sub>8</sub> x 37 <sup>3</sup> / <sub>4</sub>  |
| H4H436GKC | 35                    | 40 <sup>1</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 3/ <sub>4</sub> | 6 <sup>9</sup> / <sub>16</sub> | 28 <sup>7</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>8</sub> | 3 <sup>13</sup> / <sub>16</sub> | 2 <sup>13</sup> / <sub>16</sub> | 1/2             | 17 <sup>1</sup> / <sub>2</sub> | 16 <sup>1</sup> / <sub>2</sub> | 19 <sup>1</sup> / <sub>2</sub> | 36 <sup>9</sup> / <sub>16</sub> | 35 x 36 <sup>1</sup> / <sub>2</sub> | 44 <sup>1</sup> / <sub>16</sub> x 36 <sup>1</sup> / <sub>8</sub> x 37 <sup>3</sup> / <sub>4</sub> |
| H4H442GKC | 35                    | 40 <sup>1</sup> / <sub>8</sub>  | 3 <sup>7</sup> / <sub>8</sub> | 7/ <sub>8</sub> | 6 <sup>9</sup> / <sub>16</sub> | 28 <sup>7</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>8</sub> | 3 <sup>13</sup> / <sub>16</sub> | 2 <sup>15</sup> / <sub>16</sub> | 5/ <sub>8</sub> | 17 <sup>1</sup> / <sub>2</sub> | 16 <sup>1</sup> / <sub>2</sub> | 20                             | 36 <sup>9</sup> / <sub>16</sub> | 35 x 36 <sup>1</sup> / <sub>2</sub> | 44 <sup>1</sup> / <sub>16</sub> x 36 <sup>1</sup> / <sub>8</sub> x 37 <sup>3</sup> / <sub>4</sub> |
| H4H448GKC | 35                    | 43 <sup>1</sup> / <sub>2</sub>  | 3 <sup>7</sup> / <sub>8</sub> | 7/ <sub>8</sub> | 6 <sup>9</sup> / <sub>16</sub> | 28 <sup>7</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>8</sub> | 3 <sup>13</sup> / <sub>16</sub> | 2 <sup>15</sup> / <sub>16</sub> | 5/ <sub>8</sub> | 17 <sup>1</sup> / <sub>2</sub> | 16 <sup>1</sup> / <sub>2</sub> | 20 <sup>1</sup> / <sub>2</sub> | 36 <sup>9</sup> / <sub>16</sub> | 35 x 36 <sup>1</sup> / <sub>2</sub> | 47 <sup>7</sup> / <sub>16</sub> x 36 <sup>1</sup> / <sub>8</sub> x 37 <sup>3</sup> / <sub>4</sub> |
| H4H460GKB | 35                    | 43 <sup>1</sup> / <sub>2</sub>  | 3 <sup>7</sup> / <sub>8</sub> | 7/ <sub>8</sub> | 6 <sup>9</sup> / <sub>16</sub> | 28 <sup>7</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>8</sub> | 3 <sup>13</sup> / <sub>16</sub> | 2 <sup>15</sup> / <sub>16</sub> | 5/ <sub>8</sub> | 17 <sup>1</sup> / <sub>4</sub> | 16 <sup>1</sup> / <sub>2</sub> | 19                             | 36 <sup>9</sup> / <sub>16</sub> | 35 x 36 <sup>1</sup> / <sub>2</sub> | 47 <sup>7</sup> / <sub>16</sub> x 36 <sup>1</sup> / <sub>8</sub> x 37 <sup>3</sup> / <sub>4</sub> |

| PHYSICAL DATA                                                                                                                                                                                                                                                                                                                                                              |          |          |          |          |          |          |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|
| Model Size                                                                                                                                                                                                                                                                                                                                                                 | 18       | 24       | 30       | 36       | 42       | 48       | 60       |
| Nominal Cooling Capacity (BTU/hr)                                                                                                                                                                                                                                                                                                                                          | 18,000   | 24,000   | 30,000   | 36,000   | 42,000   | 48,000   | 60,000   |
| Nominal SEER                                                                                                                                                                                                                                                                                                                                                               | 14.0     | 14.0     | 14.0     | 14.0     | 14.0     | 14.0     | 14.0     |
| Sound Rating                                                                                                                                                                                                                                                                                                                                                               |          |          |          |          |          |          |          |
| High Speed Fan (dBA)                                                                                                                                                                                                                                                                                                                                                       | 73       | 74       | 72       | 72       | 73       | 73       | 74       |
| Low Speed Fan (dBA)                                                                                                                                                                                                                                                                                                                                                        | 73       | 70       | 70       | 71       | 73       | 71       | 72       |
| PSC Fan Motor HP                                                                                                                                                                                                                                                                                                                                                           | 1/10     | 1/10     | 1/10     | 1/5      | 1/5      | 1/4      | 1/4      |
| Fan RPM High                                                                                                                                                                                                                                                                                                                                                               | 825      | 803      | 805      | 831      | 825      | 819      | 820      |
| Fan RPM Low                                                                                                                                                                                                                                                                                                                                                                | 750      | 696      | 716      | 779      | 769      | 743      | 750      |
| Fan CFM (High)                                                                                                                                                                                                                                                                                                                                                             | 2595     | 2595     | 2595     | 3265     | 3265     | 3673     | 3673     |
| Coil Face Area (ft <sup>2</sup> )                                                                                                                                                                                                                                                                                                                                          | 16.26    | 16.26    | 18.30    | 20.33    | 20.33    | 22.36    | 22.40    |
| Coil Rows–fins per inch                                                                                                                                                                                                                                                                                                                                                    | 1–20     | 2–20     | 2–20     | 2–20     | 2–20     | 2–20     | 2–20     |
| Low Pressure Switch                                                                                                                                                                                                                                                                                                                                                        |          |          |          |          |          |          |          |
| Open Pressure (psig)                                                                                                                                                                                                                                                                                                                                                       | 23 ± 5   | 23 ± 5   | 23 ± 5   | 23 ± 5   | 23 ± 5   | 23 ± 5   | 23 ± 5   |
| Close Pressure (psig)                                                                                                                                                                                                                                                                                                                                                      | 55 ± 5   | 55 ± 5   | 55 ± 5   | 55 ± 5   | 55 ± 5   | 55 ± 5   | 55 ± 5   |
| High Pressure Switch                                                                                                                                                                                                                                                                                                                                                       |          |          |          |          |          |          |          |
| Open Pressure (psig)                                                                                                                                                                                                                                                                                                                                                       | 670 ± 10 | 670 ± 10 | 670 ± 10 | 670 ± 10 | 670 ± 10 | 670 ± 10 | 670 ± 10 |
| Close Pressure (psig)                                                                                                                                                                                                                                                                                                                                                      | 470 ± 25 | 470 ± 25 | 470 ± 25 | 470 ± 25 | 470 ± 25 | 470 ± 25 | 470 ± 25 |
| Liquid Line Connection Size (in.)                                                                                                                                                                                                                                                                                                                                          | 3/8      | 3/8      | 3/8      | 3/8      | 3/8      | 3/8      | 3/8      |
| Vapor Line Connection Size (in.)                                                                                                                                                                                                                                                                                                                                           | 5/8      | 5/8      | 3/4      | 3/4      | 7/8      | 7/8      | 7/8      |
| Recommended Line Set Liquid Tube Diameter (in.)                                                                                                                                                                                                                                                                                                                            | 3/8      | 3/8      | 3/8      | 3/8      | 3/8      | 3/8      | 3/8      |
| Recommended Line Set Vapor Tube Diameter (in.) *                                                                                                                                                                                                                                                                                                                           | 5/8 *    | 5/8 *    | 3/4 *    | 3/4 *    | 7/8 *    | 7/8 *    | 1 1/8 *  |
| * Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to “Long Line” installations. When the total equivalent line length exceeds 80 feet or there is more than 20 feet vertical separation between indoor and outdoor units, consult the Long Line Application Guideline document before purchasing/installing line sets. |          |          |          |          |          |          |          |
| Factory Charge R–410A (lbs.)                                                                                                                                                                                                                                                                                                                                               | 6.13     | 9.75     | 12.0     | 13.5     | 12.5     | 12.0     | 12.5     |
| Required Subcooling (°F)                                                                                                                                                                                                                                                                                                                                                   | 12       | 11       | 10       | 12       | 10       | 10       | 11       |
| Outdoor Unit Factory Piston Size (used in Outdoor Unit for heating mode)                                                                                                                                                                                                                                                                                                   | 42       | 46       | 52       | 59       | 63       | 67       | 73       |
| Weight, shipping (lbs.)                                                                                                                                                                                                                                                                                                                                                    | 223      | 267      | 283      | 299      | 327      | 338      | 328      |
| Weight, operating (lbs.)                                                                                                                                                                                                                                                                                                                                                   | 194      | 233      | 248      | 264      | 292      | 302      | 295      |

| ELECTRICAL DATA (208/230–1–60, voltage range 197V – 253V)  |      |      |      |      |       |       |       |
|------------------------------------------------------------|------|------|------|------|-------|-------|-------|
| Model Size                                                 | 18   | 24   | 30   | 36   | 42    | 48    | 60    |
| Minimum Circuit Ampacity – <b>MCA</b> (amps)               | 12.0 | 16.7 | 24.9 | 22.8 | 26.5  | 30.9  | 34.3  |
| Maximum OverCurrent Protective device – <b>MOCP</b> (amps) | 20   | 25   | 40   | 40   | 40    | 50    | 50    |
| Compressor <b>RLA</b> (Rated Load Amps)                    | 9.0  | 12.8 | 19.4 | 17.4 | 20.3  | 23.6  | 26.4  |
| <b>LRA</b> (Locked Rotor Amps)                             | 48.0 | 58.3 | 73.0 | 79.0 | 109.0 | 117.0 | 134.0 |
| Fan Motor <b>FLA</b> (Full Load Amps)                      | 0.7  | 0.7  | 0.7  | 1.1  | 1.1   | 1.3   | 1.3   |

**R-410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS**

| Model Size | Liquid Line (in.) | Acceptable Vapor Line Sizes (in.) | Cooling Capacity Loss (%) at Total Equivalent Line Length (ft.)<br>Refer to Long Line Application Guideline to calculate equivalent length |     |     |                                              |      |      |      |      |      |      |      |
|------------|-------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------------|------|------|------|------|------|------|------|
|            |                   |                                   | Standard Application                                                                                                                       |     |     | Long Line Application (Requires Accessories) |      |      |      |      |      |      |      |
|            |                   |                                   | 25'                                                                                                                                        | 50' | 80' | 81'                                          | 100' | 125' | 150' | 175' | 200' | 225' | 250' |
| 18         | 3/8               | 1/2                               | 1                                                                                                                                          | 2   | 3   | 3                                            | 4    | 6    | 7    | 8    | 9    | 10   | 12   |
|            |                   | 5/8                               | 0                                                                                                                                          | 0   | 1   | 1                                            | 1    | 1    | 2    | 2    | 3    | 3    | 3    |
| 24         |                   | 5/8                               | 0                                                                                                                                          | 1   | 1   | 1                                            | 2    | 3    | 3    | 4    | 4    | 5    | 6    |
|            |                   | 3/4                               | 0                                                                                                                                          | 0   | 0   | 0                                            | 0    | 1    | 1    | 1    | 1    | 1    | 2    |
| 30         |                   | 5/8                               | 1                                                                                                                                          | 2   | 3   | 3                                            | 3    | 4    | 5    | 6    | 7    | 8    | 9    |
|            |                   | 3/4                               | 0                                                                                                                                          | 0   | 1   | 1                                            | 1    | 1    | 2    | 2    | 2    | 3    | 3    |
|            |                   | 7/8                               | 0                                                                                                                                          | 0   | 0   | 0                                            | 0    | 1    | 1    | 1    | 1    | 1    | 1    |
| 36         |                   | 5/8                               | 1                                                                                                                                          | 2   | 4   | 4                                            | 5    | 6    | 7    | 9    | 10   | 11   | 13   |
|            |                   | 3/4                               | 0                                                                                                                                          | 0   | 1   | 1                                            | 1    | 2    | 2    | 3    | 3    | 4    | 4    |
|            |                   | 7/8                               | 0                                                                                                                                          | 0   | 0   | 0                                            | 0    | 1    | 1    | 1    | 1    | 2    | 2    |
| 42         |                   | 3/4                               | 0                                                                                                                                          | 1   | 2   | 2                                            | 2    | 3    | 4    | 4    | 5    | 6    | 6    |
|            |                   | 7/8                               | 0                                                                                                                                          | 0   | 1   | 1                                            | 1    | 1    | 2    | 2    | 2    | 3    | 3    |
| 48         |                   | 3/4                               | 0                                                                                                                                          | 1   | 2   | 2                                            | 3    | 4    | 5    | 5    | 6    | 7    | 8    |
|            |                   | 7/8                               | 0                                                                                                                                          | 0   | 1   | 1                                            | 1    | 2    | 2    | 2    | 3    | 3    | 4    |
| 60         |                   | 3/4                               | 1                                                                                                                                          | 2   | 4   | 4                                            | 5    | 6    | 7    | 9    | 10   | 11   | 12   |
|            |                   | 7/8                               | 0                                                                                                                                          | 1   | 2   | 2                                            | 2    | 3    | 4    | 4    | 5    | 5    | 6    |
|            |                   | 1 1/8                             | 0                                                                                                                                          | 0   | 0   | 0                                            | 1    | 1    | 1    | 1    | 1    | 1    | 2    |

\* Applications are considered “Long Line” if the total equivalent tubing length exceeds 80 feet or there is more than 20 foot vertical separation between indoor and outdoor units). These applications require additional accessories and system modifications for reliable system operation.

Applications in shaded area may have height restrictions that limit allowable total equivalent length when outdoor unit is below indoor unit.

| ACCESSORY USAGE GUIDELINES         |                                               |                                                     |                                                    |
|------------------------------------|-----------------------------------------------|-----------------------------------------------------|----------------------------------------------------|
| Accessory                          | REQUIRED FOR APPLICATIONS IN SNOW-BELT REGION | REQUIRED FOR LOW-AMBIENT APPLICATIONS (Below 55° F) | REQUIRED FOR LONG-LINE APPLICATIONS* (Over 80 Ft.) |
| Evaporator Freeze Thermostat       | No                                            | <b>Yes</b>                                          | No                                                 |
| Accumulator                        | Standard (factory installed)                  | Standard (factory installed)                        | Standard (factory installed)                       |
| Low Ambient Kit (Pressure Switch)  | No                                            | <b>Yes</b>                                          | No                                                 |
| Hard Start Kit (Capacitor & Relay) | No                                            | <b>Yes</b>                                          | <b>Yes</b>                                         |
| Support Feet, 4" tall              | <b>Yes</b>                                    | Recommended                                         | No                                                 |
| Liquid Line Solenoid Valve         | No                                            | No                                                  | See Long-Line Application Guideline                |

\* For Line Set lengths between 80 and 200 ft horizontal. or more than 20 ft indoor-outdoor vertical separation, refer to the Long Line Application Guideline document.

| ACCESSORIES |                                                |                    |
|-------------|------------------------------------------------|--------------------|
| Part Number | Description                                    | Used On Model Size |
| NASA001SC   | Start Component – PTC Device                   | ALL                |
| NASA001FS   | Evaporator Freeze Thermostat                   | ALL                |
| NASA001LS   | Liquid Line Solenoid Valve, HP, R-22 or R-410A | ALL                |
| NASA001TD   | Time Delay Relay, Indoor Blower                | ALL                |
| NASA001AC   | Anti-Cycle Timer (5 minute delay)              | ALL                |
| NASA005SC   | Hard Start Kit (Capacitor & Relay)             | ALL                |
| NASA401LA   | Low Ambient Kit (Pressure Switch), R-410A      | ALL                |
| NASA001SF   | Support Feet, 4" tall                          | ALL                |
| NASA00106SS | Snow Stand Kit                                 | ALL                |
| AXWR01DFC   | Fossil Fuel Kit                                | ALL                |
| EBAC05TXVX  | TXV Kit, R-410A *                              | 18, 24, 30         |
| EBAC06TXVX  | TXV Kit, R-410A *                              | 36, 42             |
| EBAC07TXVX  | TXV Kit, R-410A *                              | 48, 60             |

\* ONLY converts Fan Coils equipped with factory installed R-22 TXV.

# COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS

## Current Indoor Models

| Outdoor Model | Current Indoor Model<br>(‡ tested combo) | Furnace Model | Factory Installed | Cool (95 °F) |       |       | SEER    |                |                       |                           | Heat (47 °F) |      | Heat (17 °F) |      | HSPF |
|---------------|------------------------------------------|---------------|-------------------|--------------|-------|-------|---------|----------------|-----------------------|---------------------------|--------------|------|--------------|------|------|
|               |                                          |               |                   | BTU/hr       | S / T | EER   | factory | with field TDR | with field R-410A TXV | with field R-410A TXV+TDR | BTU/hr       | COP  | BTU/hr       | COP  |      |
| H4H418GKB     | ‡ FEM4X18****                            |               | TDR & TXV         | 17,800       | 0.76  | 12.00 | 14.50   |                |                       |                           | 18,000       | 3.62 | 10,400       | 2.34 | 8.20 |
|               | ED*4X18B**                               |               | TXV               | 17,400       | 0.76  | 10.80 |         | 13.20          |                       |                           | 18,000       | 3.34 | 10,800       | 2.20 | 7.80 |
|               | ED*4X18B**                               | MV08B15****   | TDR & TXV         | 17,700       | 0.76  | 12.00 | 15.00   |                |                       |                           | 17,600       | 3.54 | 10,200       | 2.34 | 8.10 |
|               | ED*4X24B**                               |               | TXV               | 17,700       | 0.76  | 11.00 |         | 13.50          |                       |                           | 18,000       | 3.50 | 10,900       | 2.26 | 8.00 |
|               | ED*4X24B**                               | MV08B15****   | TDR & TXV         | 18,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 17,900       | 3.72 | 10,400       | 2.40 | 8.40 |
|               | ED*4X24F**                               |               | TXV               | 17,500       | 0.76  | 11.00 |         | 13.50          |                       |                           | 18,000       | 3.50 | 10,900       | 2.26 | 8.00 |
|               | ED*4X24F**                               | MV12F19****   | TDR & TXV         | 18,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 18,000       | 3.74 | 10,400       | 2.42 | 8.50 |
|               | EHD4X24A**                               |               | TXV               | 17,700       | 0.76  | 11.00 |         | 13.50          |                       |                           | 18,000       | 3.54 | 10,900       | 2.28 | 8.10 |
|               | EHD4X24A**                               | MV08B15****   | TDR & TXV         | 18,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 17,900       | 3.68 | 10,300       | 2.38 | 8.40 |
|               | EHD4X24A**                               | MV12F19****   | TDR & TXV         | 18,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 17,800       | 3.64 | 10,300       | 2.38 | 8.30 |
|               | EMA4X24D**                               |               | TXV               | 17,700       | 0.76  | 11.00 |         | 13.50          |                       |                           | 18,000       | 3.54 | 10,900       | 2.26 | 8.10 |
|               | FEM4X24****                              |               | TDR & TXV         | 18,000       | 0.76  | 12.00 | 15.00   |                |                       |                           | 18,000       | 3.66 | 10,400       | 2.38 | 8.30 |
|               | FS(M,U)4X18****                          |               | TDR & TXV         | 17,400       | 0.76  | 10.80 | 13.00   |                |                       |                           | 18,000       | 3.40 | 10,900       | 2.20 | 7.80 |
|               | FS(M,U)4X24****                          |               | TDR & TXV         | 17,600       | 0.76  | 10.80 | 13.20   |                |                       |                           | 18,000       | 3.40 | 10,900       | 2.22 | 7.80 |
|               | FSA2X18****                              |               | TDR & TXV         | 17,500       | 0.76  | 10.70 |         |                | 13.00                 |                           | 18,000       | 3.40 | 10,800       | 2.22 | 7.80 |
| H4H424GKC     | FSA2X24****                              |               | TDR & TXV         | 17,700       | 0.76  | 10.80 |         |                | 13.20                 |                           | 18,000       | 3.46 | 10,900       | 2.24 | 8.00 |
|               | ‡ FVM4X24****                            |               | TDR&TXV           | 23,600       | 0.75  | 12.50 | 15.00   |                |                       |                           | 24,000       | 4.00 | 15,400       | 2.78 | 9.0  |
|               | ED*4X24B**                               |               | TXV               | 22,600       | 0.75  | 11.00 |         | 13.20          |                       |                           | 24,000       | 3.60 | 15,700       | 2.54 | 8.2  |
|               | ED*4X24B**                               | *8MPV050      | TDR&TXV           | 22,800       | 0.75  | 11.50 | 14.00   |                |                       |                           | 24,000       | 3.74 | 15,400       | 2.64 | 8.5  |
|               | ED*4X24B**                               | MV08B15****   | TDR&TXV           | 23,200       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.90 | 15,400       | 2.72 | 9.0  |
|               | ED*4X24F**                               |               | TXV               | 22,600       | 0.75  | 11.00 |         | 13.20          |                       |                           | 24,000       | 3.60 | 15,700       | 2.54 | 8.2  |
|               | ED*4X24F**                               | *8MPV075      | TDR&TXV           | 23,000       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.82 | 15,300       | 2.70 | 8.7  |
|               | ED*4X24F**                               | *9MPV050      | TDR&TXV           | 22,600       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.70 | 15,200       | 2.64 | 8.4  |
|               | ED*4X24F**                               | *9MPV075      | TDR&TXV           | 22,800       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.72 | 15,200       | 2.64 | 8.5  |
|               | ED*4X24F**                               | MV12F19****   | TDR&TXV           | 23,400       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.92 | 15,300       | 2.76 | 9.0  |
|               | ED*4X30B**                               |               | TXV               | 23,000       | 0.75  | 11.00 |         | 13.50          |                       |                           | 24,000       | 3.66 | 16,000       | 2.56 | 8.3  |
|               | ED*4X30B**                               | *8MPV050      | TDR&TXV           | 23,200       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.74 | 15,500       | 2.66 | 8.5  |
|               | ED*4X30B**                               | MV08B15****   | TDR&TXV           | 23,600       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.90 | 15,400       | 2.76 | 9.0  |
|               | ED*4X30F**                               |               | TXV               | 23,000       | 0.75  | 11.00 |         | 13.50          |                       |                           | 24,000       | 3.66 | 16,000       | 2.56 | 8.3  |
|               | ED*4X30F**                               | *8MPV075      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.86 | 15,300       | 2.74 | 9.0  |
|               | ED*4X30F**                               | *9MPV050      | TDR&TXV           | 23,000       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.74 | 15,200       | 2.66 | 8.5  |
|               | ED*4X30F**                               | *9MPV075      | TDR&TXV           | 23,200       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.76 | 15,300       | 2.68 | 8.6  |
|               | ED*4X30F**                               | MV12F19****   | TDR&TXV           | 23,600       | 0.75  | 12.40 | 15.00   |                |                       |                           | 24,000       | 3.94 | 15,300       | 2.78 | 9.0  |
|               | EMA4X24D**                               |               | TXV               | 22,600       | 0.75  | 11.00 |         | 13.20          |                       |                           | 24,000       | 3.68 | 15,800       | 2.56 | 8.4  |
|               | EHD4X24A**                               |               | TXV               | 22,800       | 0.75  | 11.00 |         | 13.50          |                       |                           | 24,000       | 3.70 | 15,800       | 2.58 | 8.4  |
|               | EHD4X24A**                               | *8MPV050      | TDR&TXV           | 23,000       | 0.75  | 11.50 | 14.00   |                |                       |                           | 24,000       | 3.78 | 15,500       | 2.64 | 8.6  |
|               | EHD4X24A**                               | *8MPV075      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.90 | 15,700       | 2.70 | 9.0  |
|               | EHD4X24A**                               | *8MPV100      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.96 | 15,500       | 2.74 | 9.0  |
|               | EHD4X24A**                               | *8MPV125      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.96 | 15,500       | 2.74 | 9.0  |
|               | EHD4X24A**                               | *9MPV050      | TDR&TXV           | 23,200       | 0.75  | 11.50 | 14.00   |                |                       |                           | 24,000       | 3.82 | 15,700       | 2.66 | 8.6  |
|               | EHD4X24A**                               | *9MPV075      | TDR&TXV           | 23,200       | 0.75  | 11.50 | 14.00   |                |                       |                           | 24,000       | 3.82 | 15,700       | 2.64 | 8.6  |
|               | EHD4X24A**                               | *9MPV100      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.90 | 15,600       | 2.70 | 9.0  |

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# **COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)** **Current Indoor Models**

| Outdoor Model            | Current Indoor Model<br>(‡ tested combo) | Furnace Model | Factory Installed | Cool (95 °F) |       |       | SEER    |                |                       |                           | Heat (47 °F) |      | Heat (17 °F) |      | HSPF |
|--------------------------|------------------------------------------|---------------|-------------------|--------------|-------|-------|---------|----------------|-----------------------|---------------------------|--------------|------|--------------|------|------|
|                          |                                          |               |                   | BTU/hr       | S / T | EER   | factory | with field TDR | with field R-410A TXV | with field R-410A TXV+TDR | BTU/hr       | COP  | BTU/hr       | COP  |      |
| H4H424GKC<br>(continued) | EHD4X24A**                               | *9MPV125      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.94 | 15,500       | 2.72 | 9.0  |
|                          | EHD4X24A**                               | MV08B15****   | TDR&TXV           | 23,400       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.96 | 15,400       | 2.74 | 9.0  |
|                          | EHD4X24A**                               | MV12F19****   | TDR&TXV           | 23,600       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 4.00 | 15,400       | 2.76 | 9.0  |
|                          | EHD4X24A**                               | MV16J22****   | TDR&TXV           | 23,600       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 4.02 | 15,400       | 2.78 | 9.0  |
|                          | EHD4X24A**                               | MV20N26****   | TDR&TXV           | 23,600       | 0.75  | 12.50 | 15.00   |                |                       |                           | 24,000       | 4.02 | 15,300       | 2.78 | 9.0  |
|                          | EHD4X30A**                               |               | TXV               | 23,200       | 0.75  | 11.00 |         | 13.50          |                       |                           | 24,000       | 3.70 | 16,000       | 2.58 | 8.4  |
|                          | EHD4X30A**                               | *8MPV050      | TDR&TXV           | 23,200       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.78 | 15,500       | 2.66 | 8.6  |
|                          | EHD4X30A**                               | *8MPV075      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.84 | 15,300       | 2.72 | 8.7  |
|                          | EHD4X30A**                               | *8MPV100      | TDR&TXV           | 23,600       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.92 | 15,400       | 2.76 | 9.0  |
|                          | EHD4X30A**                               | *8MPV125      | TDR&TXV           | 23,600       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.94 | 15,300       | 2.76 | 9.0  |
|                          | EHD4X30A**                               | *9MPV050      | TDR&TXV           | 23,400       | 0.75  | 11.00 | 14.00   |                |                       |                           | 24,000       | 3.82 | 15,700       | 2.68 | 8.7  |
|                          | EHD4X30A**                               | *9MPV075      | TDR&TXV           | 23,000       | 0.75  | 12.00 | 14.50   |                |                       |                           | 24,000       | 3.74 | 15,300       | 2.66 | 8.5  |
|                          | EHD4X30A**                               | *9MPV100      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.84 | 15,400       | 2.72 | 8.7  |
|                          | EHD4X30A**                               | *9MPV125      | TDR&TXV           | 23,400       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.88 | 15,300       | 2.74 | 9.0  |
|                          | EHD4X30A**                               | MV08B15****   | TDR&TXV           | 23,600       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.96 | 15,400       | 2.76 | 9.0  |
|                          | EHD4X30A**                               | MV12F19****   | TDR&TXV           | 23,600       | 0.75  | 12.00 | 15.00   |                |                       |                           | 24,000       | 3.94 | 15,300       | 2.78 | 9.0  |
|                          | FS(M,U)4X24****                          |               | TDR&TXV           | 22,600       | 0.75  | 11.00 | 13.20   |                |                       |                           | 24,000       | 3.60 | 15,800       | 2.54 | 8.2  |
|                          | FS(M,U)4X30****                          |               | TDR&TXV           | 22,800       | 0.75  | 11.00 | 13.50   |                |                       |                           | 24,000       | 3.68 | 15,800       | 2.58 | 8.4  |
|                          | FEM4X24****                              |               | TDR&TXV           | 22,800       | 0.75  | 11.00 | 14.00   |                |                       |                           | 24,000       | 3.70 | 15,600       | 2.60 | 8.5  |
|                          | FEM4X30****                              |               | TDR&TXV           | 23,000       | 0.75  | 11.00 | 14.00   |                |                       |                           | 24,000       | 3.78 | 15,800       | 2.62 | 8.6  |
| H4H430GKC                | ‡ FVM4X36****                            |               | TDR&TXV           | 29,200       | 0.79  | 13.00 | 15.00   |                |                       |                           | 28,600       | 3.94 | 17,600       | 2.72 | 9.0  |
|                          | ED*4X30B**                               |               | TXV               | 28,200       | 0.79  | 11.20 |         | 13.50          |                       |                           | 29,200       | 3.60 | 18,200       | 2.52 | 8.2  |
|                          | ED*4X30B**                               | *8MPV050      | TDR&TXV           | 28,200       | 0.79  | 11.50 | 14.00   |                |                       |                           | 28,800       | 3.62 | 17,900       | 2.54 | 8.2  |
|                          | ED*4X30B**                               | MV08B15****   | TDR&TXV           | 28,600       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,600       | 3.76 | 17,700       | 2.64 | 8.5  |
|                          | ED*4X30F**                               |               | TXV               | 28,200       | 0.79  | 11.20 |         | 13.50          |                       |                           | 29,200       | 3.60 | 18,200       | 2.52 | 8.2  |
|                          | ED*4X30F**                               | *8MPV075      | TDR&TXV           | 28,600       | 0.79  | 12.00 | 14.50   |                |                       |                           | 28,400       | 3.74 | 17,600       | 2.62 | 8.4  |
|                          | ED*4X30F**                               | *9MPV050      | TDR&TXV           | 28,600       | 0.79  | 11.20 | 13.50   |                |                       |                           | 29,200       | 3.66 | 18,200       | 2.54 | 8.3  |
|                          | ED*4X30F**                               | *9MPV075      | TDR&TXV           | 28,600       | 0.79  | 12.00 | 14.00   |                |                       |                           | 29,000       | 3.70 | 18,100       | 2.58 | 8.4  |
|                          | ED*4X30F**                               | MV12F19****   | TDR&TXV           | 29,000       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,600       | 3.88 | 17,700       | 2.70 | 8.7  |
|                          | ED*4X36B**                               |               | TXV               | 28,400       | 0.79  | 11.20 |         | 13.50          |                       |                           | 29,400       | 3.66 | 18,400       | 2.54 | 8.3  |
|                          | ED*4X36B**                               | *8MPV050      | TDR&TXV           | 28,400       | 0.79  | 11.20 | 13.50   |                |                       |                           | 29,200       | 3.64 | 18,200       | 2.54 | 8.3  |
|                          | ED*4X36B**                               | MV08B15****   | TDR&TXV           | 28,800       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,600       | 3.80 | 17,700       | 2.66 | 8.6  |
|                          | ED*4X36F**                               |               | TXV               | 28,400       | 0.79  | 11.20 |         | 13.50          |                       |                           | 29,400       | 3.66 | 18,400       | 2.54 | 8.3  |
|                          | ED*4X36F**                               | *8MPV075      | TDR&TXV           | 28,600       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,600       | 3.78 | 17,600       | 2.64 | 8.5  |
|                          | ED*4X36F**                               | *9MPV050      | TDR&TXV           | 28,400       | 0.79  | 12.00 | 14.50   |                |                       |                           | 28,400       | 3.66 | 17,600       | 2.58 | 8.3  |
|                          | ED*4X36F**                               | *9MPV075      | TDR&TXV           | 28,400       | 0.79  | 12.00 | 14.50   |                |                       |                           | 28,600       | 3.70 | 17,700       | 2.60 | 8.3  |
|                          | ED*4X36F**                               | MV12F19****   | TDR&TXV           | 29,200       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,800       | 3.92 | 17,700       | 2.72 | 9.0  |
|                          | ED*4X36J**                               |               | TXV               | 28,400       | 0.79  | 11.20 |         | 13.50          |                       |                           | 29,400       | 3.66 | 18,400       | 2.54 | 8.3  |
|                          | ED*4X36J**                               | *8MPV100      | TDR&TXV           | 29,000       | 0.79  | 13.00 | 15.00   |                |                       |                           | 28,400       | 3.86 | 17,500       | 2.70 | 8.7  |
|                          | ED*4X36J**                               | *8MPV125      | TDR&TXV           | 29,000       | 0.79  | 13.00 | 15.00   |                |                       |                           | 28,400       | 3.88 | 17,500       | 2.70 | 8.7  |
|                          | ED*4X36J**                               | *9MPV100      | TDR&TXV           | 28,800       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,600       | 3.84 | 17,600       | 2.68 | 8.6  |

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# COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)

## Current Indoor Models

| Outdoor Model            | Current Indoor Model<br>(‡ tested combo) | Furnace Model | Factory Installed | Cool (95 °F) |       |       | SEER    |                |                       |                           | Heat (47 °F) |      | Heat (17 °F) |      | HSPF |
|--------------------------|------------------------------------------|---------------|-------------------|--------------|-------|-------|---------|----------------|-----------------------|---------------------------|--------------|------|--------------|------|------|
|                          |                                          |               |                   | BTU/hr       | S / T | EER   | factory | with field TDR | with field R-410A TXV | with field R-410A TXV+TDR | BTU/hr       | COP  | BTU/hr       | COP  |      |
| H4H430GKC<br>(continued) | EMA4X36D**                               |               | TXV               | 28,400       | 0.79  | 11.20 |         | 13.50          |                       |                           | 29,400       | 3.64 | 18,300       | 2.54 | 8.3  |
|                          | EHD4X30A**                               |               | TXV               | 28,400       | 0.79  | 11.20 |         | 13.50          |                       |                           | 29,200       | 3.64 | 18,300       | 2.54 | 8.3  |
|                          | EHD4X30A**                               | *8MPV050      | TDR&TXV           | 28,400       | 0.79  | 11.20 | 13.50   |                |                       |                           | 29,200       | 3.64 | 18,200       | 2.54 | 8.3  |
|                          | EHD4X30A**                               | *8MPV075      | TDR&TXV           | 28,800       | 0.79  | 12.00 | 14.50   |                |                       |                           | 29,000       | 3.78 | 18,000       | 2.62 | 8.5  |
|                          | EHD4X30A**                               | *8MPV100      | TDR&TXV           | 28,600       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,200       | 3.74 | 17,400       | 2.64 | 8.4  |
|                          | EHD4X30A**                               | *8MPV125      | TDR&TXV           | 28,600       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,200       | 3.74 | 17,400       | 2.64 | 8.4  |
|                          | EHD4X30A**                               | *9MPV050      | TDR&TXV           | 28,600       | 0.79  | 11.20 | 13.50   |                |                       |                           | 29,200       | 3.66 | 18,300       | 2.54 | 8.3  |
|                          | EHD4X30A**                               | *9MPV075      | TDR&TXV           | 28,600       | 0.79  | 11.50 | 14.00   |                |                       |                           | 29,200       | 3.70 | 18,100       | 2.56 | 8.4  |
|                          | EHD4X30A**                               | *9MPV100      | TDR&TXV           | 28,400       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,400       | 3.70 | 17,500       | 2.60 | 8.4  |
|                          | EHD4X30A**                               | *9MPV125      | TDR&TXV           | 28,600       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,200       | 3.72 | 17,400       | 2.62 | 8.4  |
|                          | EHD4X30A**                               | MV08B15****   | TDR&TXV           | 28,800       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,600       | 3.80 | 17,700       | 2.66 | 8.6  |
|                          | EHD4X30A**                               | MV12F19****   | TDR&TXV           | 29,000       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,600       | 3.86 | 17,700       | 2.68 | 8.7  |
|                          | EHD4X36A**                               |               | TXV               | 29,000       | 0.79  | 11.20 |         | 13.50          |                       |                           | 29,600       | 3.78 | 18,500       | 2.58 | 8.5  |
|                          | EHD4X36A**                               | *8MPV050      | TDR&TXV           | 29,000       | 0.79  | 12.00 | 14.00   |                |                       |                           | 29,600       | 3.80 | 18,400       | 2.60 | 8.5  |
|                          | EHD4X36A**                               | *8MPV075      | TDR&TXV           | 29,200       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,800       | 3.88 | 17,700       | 2.68 | 8.7  |
|                          | EHD4X36A**                               | *9MPV050      | TDR&TXV           | 28,800       | 0.79  | 12.00 | 14.50   |                |                       |                           | 28,800       | 3.78 | 17,800       | 2.62 | 8.5  |
|                          | EHD4X36A**                               | *9MPV075      | TDR&TXV           | 29,000       | 0.79  | 12.00 | 14.50   |                |                       |                           | 28,800       | 3.80 | 17,800       | 2.62 | 8.5  |
|                          | EHD4X36A**                               | *9MPV100      | TDR&TXV           | 29,200       | 0.79  | 12.50 | 15.00   |                |                       |                           | 28,800       | 3.90 | 17,700       | 2.68 | 8.7  |
|                          | EHD4X36A**                               | MV08B15****   | TDR&TXV           | 29,400       | 0.79  | 13.00 | 15.00   |                |                       |                           | 29,000       | 3.98 | 17,800       | 2.72 | 9.0  |
|                          | FS(M,U)4X30****                          |               | TDR&TXV           | 28,200       | 0.79  | 11.20 | 13.50   |                |                       |                           | 29,200       | 3.64 | 18,200       | 2.52 | 8.2  |
|                          | FSU4X36****                              |               | TDR&TXV           | 28,400       | 0.79  | 11.00 | 13.20   |                |                       |                           | 29,400       | 3.64 | 18,400       | 2.52 | 8.2  |
|                          | FEM4X30****                              |               | TDR&TXV           | 28,400       | 0.79  | 12.00 | 14.00   |                |                       |                           | 29,000       | 3.72 | 18,000       | 2.58 | 8.4  |
|                          | FSM4X36****                              |               | TDR&TXV           | 29,000       | 0.79  | 11.20 | 13.50   |                |                       |                           | 29,600       | 3.74 | 18,400       | 2.56 | 8.4  |
|                          | FEM4X36****                              |               | TDR&TXV           | 29,400       | 0.79  | 12.50 | 15.00   |                |                       |                           | 29,000       | 3.96 | 17,900       | 2.70 | 9.0  |
|                          | FVM4X24****                              |               | TDR&TXV           | 29,000       | 0.79  | 12.50 | 15.00   |                |                       |                           | 29,000       | 3.88 | 17,800       | 2.66 | 8.7  |
| H4H436GKC                | ‡ FVM4X48****                            |               | TDR&TXV           | 36,000       | 0.78  | 13.00 | 15.00   |                |                       |                           | 36,000       | 4.00 | 21,800       | 2.76 | 9.0  |
|                          | ED*4X36B**                               |               | TXV               | 34,200       | 0.78  | 11.20 |         | 13.50          |                       |                           | 35,200       | 3.44 | 21,600       | 2.44 | 7.9  |
|                          | ED*4X36B**                               | *8MPV050      | TDR&TXV           | 34,000       | 0.78  | 11.20 | 13.50   |                |                       |                           | 34,800       | 3.38 | 21,200       | 2.42 | 7.8  |
|                          | ED*4X36B**                               | MV08B15****   | TDR&TXV           | 34,800       | 0.78  | 12.00 | 14.00   |                |                       |                           | 35,200       | 3.58 | 21,400       | 2.52 | 8.2  |
|                          | ED*4X36F**                               |               | TXV               | 34,600       | 0.78  | 11.20 |         | 13.50          |                       |                           | 35,600       | 3.50 | 21,800       | 2.46 | 8.0  |
|                          | ED*4X36F**                               | *8MPV075      | TDR&TXV           | 35,000       | 0.78  | 11.50 | 14.00   |                |                       |                           | 35,600       | 3.60 | 21,600       | 2.50 | 8.2  |
|                          | ED*4X36F**                               | *9MPV050      | TDR&TXV           | 34,200       | 0.78  | 11.20 | 13.50   |                |                       |                           | 35,000       | 3.44 | 21,400       | 2.44 | 7.9  |
|                          | ED*4X36F**                               | *9MPV075      | TDR&TXV           | 34,600       | 0.78  | 11.20 | 13.50   |                |                       |                           | 35,600       | 3.52 | 21,800       | 2.46 | 8.1  |
|                          | ED*4X36F**                               | MV12F19****   | TDR&TXV           | 35,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 34,800       | 3.64 | 21,000       | 2.56 | 8.3  |
|                          | ED*4X36J**                               |               | TXV               | 34,600       | 0.78  | 11.20 |         | 13.50          |                       |                           | 35,600       | 3.50 | 21,800       | 2.46 | 8.0  |
|                          | ED*4X36J**                               | *8MPV100      | TDR&TXV           | 35,200       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,000       | 3.68 | 21,200       | 2.58 | 8.4  |
|                          | ED*4X36J**                               | *8MPV125      | TDR&TXV           | 35,200       | 0.78  | 12.50 | 15.00   |                |                       |                           | 34,800       | 3.68 | 21,000       | 2.58 | 8.4  |
|                          | ED*4X36J**                               | *9MPV100      | TDR&TXV           | 35,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 35,000       | 3.64 | 21,200       | 2.54 | 8.3  |
|                          | ED*4X36J**                               | MV16J22****   | TDR&TXV           | 35,600       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,000       | 3.78 | 21,000       | 2.64 | 8.6  |
|                          | ED*4X42J**                               |               | TXV               | 35,000       | 0.78  | 11.20 |         | 13.50          |                       |                           | 35,800       | 3.56 | 21,800       | 2.48 | 8.1  |
|                          | ED*4X42J**                               | *8MPV100      | TDR&TXV           | 35,400       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,200       | 3.72 | 21,200       | 2.60 | 8.5  |

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# COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)

## Current Indoor Models

| Outdoor Model            | Current Indoor Model<br>(‡ tested combo) | Furnace Model | Factory Installed | Cool (95 °F) |       |       | SEER    |                |                       |                           | Heat (47 °F) |      | Heat (17 °F) |      | HSPF |
|--------------------------|------------------------------------------|---------------|-------------------|--------------|-------|-------|---------|----------------|-----------------------|---------------------------|--------------|------|--------------|------|------|
|                          |                                          |               |                   | BTU/hr       | S / T | EER   | factory | with field TDR | with field R-410A TXV | with field R-410A TXV+TDR | BTU/hr       | COP  | BTU/hr       | COP  |      |
| H4H436GKC<br>(continued) | ED*4X42J**                               | *8MPV125      | TDR&TXV           | 35,400       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,000       | 3.74 | 21,000       | 2.60 | 8.5  |
|                          | ED*4X42J**                               | *9MPV100      | TDR&TXV           | 35,400       | 0.78  | 12.00 | 14.50   |                |                       |                           | 35,200       | 3.68 | 21,200       | 2.58 | 8.4  |
|                          | ED*4X42L**                               |               | TXV               | 35,000       | 0.78  | 11.20 |         | 13.50          |                       |                           | 35,800       | 3.56 | 21,800       | 2.48 | 8.1  |
|                          | ED*4X42L**                               | *9MPV125      | TDR&TXV           | 35,400       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,000       | 3.72 | 21,200       | 2.60 | 8.5  |
|                          | EMA4X36D**                               |               | TXV               | 34,600       | 0.78  | 11.20 |         | 13.50          |                       |                           | 35,600       | 3.48 | 21,800       | 2.44 | 8.0  |
|                          | EHD4X36A**                               |               | TXV               | 35,400       | 0.78  | 11.50 |         | 14.00          |                       |                           | 36,000       | 3.64 | 22,000       | 2.50 | 8.3  |
|                          | EHD4X36A**                               | *8MPV050      | TDR&TXV           | 34,800       | 0.78  | 12.00 | 14.00   |                |                       |                           | 35,200       | 3.54 | 21,400       | 2.48 | 8.1  |
|                          | EHD4X36A**                               | *8MPV075      | TDR&TXV           | 35,400       | 0.78  | 12.00 | 15.00   |                |                       |                           | 35,200       | 3.68 | 21,200       | 2.56 | 8.4  |
|                          | EHD4X36A**                               | *8MPV100      | TDR&TXV           | 35,800       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,400       | 3.78 | 21,400       | 2.62 | 8.6  |
|                          | EHD4X36A**                               | *8MPV125      | TDR&TXV           | 35,800       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,200       | 3.78 | 21,200       | 2.62 | 8.6  |
|                          | EHD4X36A**                               | *9MPV050      | TDR&TXV           | 35,000       | 0.78  | 12.00 | 14.00   |                |                       |                           | 35,400       | 3.58 | 21,400       | 2.50 | 8.2  |
|                          | EHD4X36A**                               | *9MPV075      | TDR&TXV           | 35,600       | 0.78  | 11.50 | 14.00   |                |                       |                           | 36,000       | 3.64 | 22,000       | 2.50 | 8.3  |
|                          | EHD4X36A**                               | *9MPV100      | TDR&TXV           | 35,800       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,400       | 3.74 | 21,400       | 2.58 | 8.5  |
|                          | EHD4X36A**                               | *9MPV125      | TDR&TXV           | 35,800       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,200       | 3.76 | 21,200       | 2.60 | 8.5  |
|                          | EHD4X36A**                               | MV08B15****   | TDR&TXV           | 36,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 35,600       | 3.76 | 21,600       | 2.60 | 8.5  |
|                          | EHD4X36A**                               | MV12F19****   | TDR&TXV           | 35,800       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,200       | 3.78 | 21,200       | 2.62 | 8.6  |
|                          | EHD4X42A**                               |               | TXV               | 35,800       | 0.78  | 11.50 |         | 14.00          |                       |                           | 36,000       | 3.68 | 22,000       | 2.52 | 8.4  |
|                          | EHD4X42A**                               | *8MPV050      | TDR&TXV           | 35,200       | 0.78  | 12.00 | 14.00   |                |                       |                           | 35,400       | 3.58 | 21,400       | 2.50 | 8.2  |
|                          | EHD4X42A**                               | *8MPV075      | TDR&TXV           | 35,800       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,400       | 3.74 | 21,400       | 2.60 | 8.5  |
|                          | EHD4X42A**                               | *8MPV100      | TDR&TXV           | 36,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,400       | 3.84 | 21,400       | 2.64 | 8.7  |
|                          | EHD4X42A**                               | *9MPV050      | TDR&TXV           | 35,400       | 0.78  | 12.00 | 14.00   |                |                       |                           | 35,400       | 3.62 | 21,600       | 2.52 | 8.3  |
|                          | EHD4X42A**                               | *9MPV075      | TDR&TXV           | 35,400       | 0.78  | 12.00 | 14.50   |                |                       |                           | 35,400       | 3.66 | 21,400       | 2.54 | 8.3  |
|                          | EHD4X42A**                               | *9MPV100      | TDR&TXV           | 36,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,400       | 3.80 | 21,400       | 2.62 | 8.6  |
|                          | EHD4X42A**                               | *9MPV125      | TDR&TXV           | 36,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,400       | 3.82 | 21,200       | 2.64 | 8.6  |
|                          | EHD4X42A**                               | MV08B15****   | TDR&TXV           | 36,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,800       | 3.82 | 21,600       | 2.62 | 8.6  |
|                          | EHD4X42A**                               | MV12F19****   | TDR&TXV           | 36,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,800       | 3.90 | 21,600       | 2.66 | 9.0  |
|                          | FSU4X36****                              |               | TDR&TXV           | 34,600       | 0.78  | 11.20 | 13.50   |                |                       |                           | 35,800       | 3.48 | 21,800       | 2.44 | 8.0  |
|                          | FS(M,U)4X42****                          |               | TDR&TXV           | 35,400       | 0.78  | 11.20 | 13.50   |                |                       |                           | 36,000       | 3.58 | 22,000       | 2.48 | 8.2  |
|                          | FSM4X36****                              |               | TDR&TXV           | 35,400       | 0.78  | 11.20 | 13.50   |                |                       |                           | 36,000       | 3.60 | 22,000       | 2.50 | 8.2  |
|                          | FEM4X36****                              |               | TDR&TXV           | 36,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,400       | 3.78 | 21,400       | 2.62 | 8.6  |
|                          | FEM4X42****                              |               | TDR&TXV           | 36,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,400       | 3.80 | 21,400       | 2.62 | 8.6  |
|                          | FVM4X36****                              |               | TDR&TXV           | 35,400       | 0.78  | 12.50 | 15.00   |                |                       |                           | 35,000       | 3.72 | 21,000       | 2.60 | 8.4  |
| H4H442GKC                | ‡ FVM4X48****                            |               | TDR&TXV           | 42,000       | 0.78  | 13.00 | 15.00   |                |                       |                           | 42,000       | 3.90 | 26,600       | 2.78 | 9.0  |
|                          | ED*4X42J**                               |               | TXV               | 41,500       | 0.78  | 11.20 |         | 13.50          |                       |                           | 42,000       | 3.52 | 27,000       | 2.58 | 8.1  |
|                          | ED*4X42J**                               | *8MPV100      | TDR&TXV           | 41,500       | 0.78  | 12.00 | 14.50   |                |                       |                           | 41,000       | 3.60 | 26,200       | 2.66 | 8.3  |
|                          | ED*4X42J**                               | *8MPV125      | TDR&TXV           | 41,500       | 0.78  | 12.00 | 14.50   |                |                       |                           | 41,000       | 3.62 | 26,200       | 2.68 | 8.3  |
|                          | ED*4X42J**                               | *9MPV100      | TDR&TXV           | 41,500       | 0.78  | 12.00 | 14.00   |                |                       |                           | 41,000       | 3.58 | 26,400       | 2.64 | 8.2  |
|                          | ED*4X42J**                               | MV16J22****   | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.72 | 26,400       | 2.72 | 8.5  |
|                          | ED*4X42L**                               |               | TXV               | 41,500       | 0.78  | 11.20 |         | 13.50          |                       |                           | 42,000       | 3.52 | 27,000       | 2.58 | 8.1  |
|                          | ED*4X42L**                               | *9MPV125      | TDR&TXV           | 41,500       | 0.78  | 12.00 | 14.50   |                |                       |                           | 41,000       | 3.60 | 26,200       | 2.66 | 8.2  |
|                          | ED*4X48F**                               |               | TXV               | 42,000       | 0.78  | 11.50 |         | 14.00          |                       |                           | 42,000       | 3.74 | 27,400       | 2.66 | 8.5  |

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# COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)

## Current Indoor Models

| Outdoor Model            | Current Indoor Model<br>(‡ tested combo) | Furnace Model | Factory Installed | Cool (95 °F) |       |       | SEER    |                |                       |                           | Heat (47 °F) |      | Heat (17 °F) |      | HSPF |
|--------------------------|------------------------------------------|---------------|-------------------|--------------|-------|-------|---------|----------------|-----------------------|---------------------------|--------------|------|--------------|------|------|
|                          |                                          |               |                   | BTU/hr       | S / T | EER   | factory | with field TDR | with field R-410A TXV | with field R-410A TXV+TDR | BTU/hr       | COP  | BTU/hr       | COP  |      |
| H4H442GKC<br>(continued) | ED*4X48F**                               | *8MPV075      | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 42,000       | 3.72 | 26,800       | 2.68 | 8.5  |
|                          | ED*4X48F**                               | *9MPV075      | TDR&TXV           | 42,000       | 0.78  | 11.50 | 14.00   |                |                       |                           | 42,000       | 3.64 | 27,000       | 2.64 | 8.3  |
|                          | ED*4X48J**                               |               | TXV               | 42,000       | 0.78  | 11.20 |         | 13.50          |                       |                           | 42,000       | 3.66 | 27,200       | 2.64 | 8.3  |
|                          | ED*4X48J**                               | *8MPV100      | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.76 | 26,400       | 2.72 | 8.5  |
|                          | ED*4X48J**                               | *8MPV125      | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.76 | 26,400       | 2.72 | 8.5  |
|                          | ED*4X48J**                               | *9MPV100      | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 42,000       | 3.70 | 26,600       | 2.70 | 8.5  |
|                          | ED*4X48J**                               | MV16J22****   | TDR&TXV           | 42,000       | 0.78  | 13.00 | 15.50   |                |                       |                           | 41,500       | 3.80 | 26,200       | 2.76 | 8.6  |
|                          | ED*4X48L**                               |               | TXV               | 42,000       | 0.78  | 11.20 |         | 13.50          |                       |                           | 42,000       | 3.66 | 27,200       | 2.64 | 8.3  |
|                          | ED*4X48L**                               | *9MPV125      | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 41,500       | 3.72 | 26,400       | 2.70 | 8.5  |
|                          | EMA4X48D**                               |               | TXV               | 42,000       | 0.78  | 11.20 |         | 13.50          |                       |                           | 42,000       | 3.60 | 27,200       | 2.62 | 8.2  |
|                          | EHD4X42A**                               |               | TXV               | 42,000       | 0.78  | 11.20 |         | 13.50          |                       |                           | 42,000       | 3.66 | 27,200       | 2.64 | 8.3  |
|                          | EHD4X42A**                               | *8MPV075      | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 41,500       | 3.66 | 26,600       | 2.66 | 8.3  |
|                          | EHD4X42A**                               | *8MPV100      | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.74 | 26,400       | 2.72 | 8.5  |
|                          | EHD4X42A**                               | *8MPV125      | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.74 | 26,400       | 2.72 | 8.5  |
|                          | EHD4X42A**                               | *9MPV075      | TDR&TXV           | 42,000       | 0.78  | 11.50 | 14.00   |                |                       |                           | 42,000       | 3.56 | 26,800       | 2.62 | 8.2  |
|                          | EHD4X42A**                               | *9MPV100      | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 41,500       | 3.70 | 26,600       | 2.70 | 8.4  |
|                          | EHD4X42A**                               | *9MPV125      | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.70 | 26,400       | 2.70 | 8.4  |
|                          | EHD4X42A**                               | MV16J22****   | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 42,000       | 3.86 | 26,600       | 2.78 | 8.7  |
|                          | EHD4X48A**                               |               | TXV               | 42,000       | 0.78  | 12.00 |         | 14.00          |                       |                           | 42,000       | 3.68 | 27,400       | 2.66 | 8.4  |
|                          | EHD4X48A**                               | *8MPV075      | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 42,000       | 3.68 | 26,800       | 2.68 | 8.4  |
|                          | EHD4X48A**                               | *8MPV100      | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.76 | 26,600       | 2.72 | 8.6  |
|                          | EHD4X48A**                               | *8MPV125      | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.76 | 26,400       | 2.74 | 8.6  |
|                          | EHD4X48A**                               | *9MPV075      | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.00   |                |                       |                           | 42,000       | 3.60 | 27,000       | 2.62 | 8.2  |
|                          | EHD4X48A**                               | *9MPV100      | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 42,000       | 3.72 | 26,600       | 2.70 | 8.5  |
|                          | EHD4X48A**                               | *9MPV125      | TDR&TXV           | 42,000       | 0.78  | 12.50 | 15.00   |                |                       |                           | 41,500       | 3.72 | 26,400       | 2.72 | 8.5  |
|                          | FS(M,U)4X42****                          |               | TDR&TXV           | 42,000       | 0.78  | 11.20 | 13.50   |                |                       |                           | 42,000       | 3.54 | 27,400       | 2.58 | 8.1  |
|                          | FS(M,U)4X48****                          |               | TDR&TXV           | 42,000       | 0.78  | 11.20 | 13.50   |                |                       |                           | 42,000       | 3.68 | 27,400       | 2.64 | 8.4  |
|                          | FEM4X42****                              |               | TDR&TXV           | 42,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 41,500       | 3.70 | 26,600       | 2.70 | 8.4  |
|                          | FVM4X36****                              |               | TDR&TXV           | 41,000       | 0.78  | 12.00 | 14.50   |                |                       |                           | 40,500       | 3.52 | 25,800       | 2.64 | 8.1  |
|                          | FVM4X60****                              |               | TDR&TXV           | 42,000       | 0.78  | 13.00 |         |                |                       |                           | 41,500       | 4.00 | 26,600       | 2.84 | 9.0  |
| H4H448GKC                | ‡ FVM4X48****                            |               | TDR&TXV           | 48,000       | 0.76  | 13.00 | 15.00   |                |                       |                           | 48,000       | 3.82 | 30,000       | 2.74 | 9.0  |
|                          | ED*4X48F**                               |               | TXV               | 47,000       | 0.76  | 12.00 |         | 14.00          |                       |                           | 48,000       | 3.70 | 30,800       | 2.64 | 8.4  |
|                          | ED*4X48J**                               |               | TXV               | 46,500       | 0.76  | 11.20 |         | 13.50          |                       |                           | 48,000       | 3.64 | 30,800       | 2.60 | 8.3  |
|                          | ED*4X48J**                               | *8MPV100      | TDR&TXV           | 47,000       | 0.76  | 12.00 | 14.00   |                |                       |                           | 48,000       | 3.76 | 30,600       | 2.68 | 8.6  |
|                          | ED*4X48J**                               | *8MPV125      | TDR&TXV           | 47,000       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.78 | 30,400       | 2.68 | 8.6  |
|                          | ED*4X48J**                               | *9MPV100      | TDR&TXV           | 47,000       | 0.76  | 12.00 | 14.00   |                |                       |                           | 48,000       | 3.72 | 30,800       | 2.64 | 8.5  |
|                          | ED*4X48J**                               | MV16J22****   | TDR&TXV           | 47,500       | 0.76  | 12.50 | 15.00   |                |                       |                           | 48,000       | 3.84 | 30,000       | 2.74 | 8.7  |
|                          | ED*4X48L**                               |               | TXV               | 46,500       | 0.76  | 11.20 |         | 13.50          |                       |                           | 48,000       | 3.64 | 30,800       | 2.60 | 8.3  |
|                          | ED*4X48L**                               | *9MPV125      | TDR&TXV           | 47,000       | 0.76  | 12.00 | 14.00   |                |                       |                           | 48,000       | 3.74 | 30,600       | 2.66 | 8.5  |
|                          | ED*4X60J**                               |               | TXV               | 47,500       | 0.76  | 12.00 |         | 14.00          |                       |                           | 48,000       | 3.70 | 30,800       | 2.64 | 8.4  |
|                          | ED*4X60J**                               | *8MPV100      | TDR&TXV           | 48,000       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.88 | 30,800       | 2.72 | 9.0  |
|                          | ED*4X60J**                               | *8MPV125      | TDR&TXV           | 48,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 48,000       | 3.90 | 30,600       | 2.74 | 9.0  |
|                          | ED*4X60J**                               | *9MPV100      | TDR&TXV           | 48,000       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.82 | 30,800       | 2.70 | 8.7  |

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# **COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued)** **Current Indoor Models**

| Outdoor Model            | Current Indoor Model<br>(‡ tested combo) | Furnace Model | Factory Installed | Cool (95 °F) |       |       | SEER    |                |                       |                           | Heat (47 °F) |      | Heat (17 °F) |      | HSPF |
|--------------------------|------------------------------------------|---------------|-------------------|--------------|-------|-------|---------|----------------|-----------------------|---------------------------|--------------|------|--------------|------|------|
|                          |                                          |               |                   | BTU/hr       | S / T | EER   | factory | with field TDR | with field R-410A TXV | with field R-410A TXV+TDR | BTU/hr       | COP  | BTU/hr       | COP  |      |
| H4H448GKC<br>(continued) | ED*4X60L**                               |               | TXV               | 47,500       | 0.76  | 12.00 |         | 14.00          |                       |                           | 48,000       | 3.70 | 30,800       | 2.64 | 8.4  |
|                          | ED*4X60L**                               | *9MPV125      | TDR&TXV           | 48,000       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.82 | 30,800       | 2.70 | 8.7  |
|                          | EMA4X48D**                               |               | TXV               | 46,000       | 0.76  | 11.20 |         | 13.50          |                       |                           | 48,000       | 3.58 | 30,600       | 2.58 | 8.2  |
|                          | EHD4X48A**                               |               | TXV               | 47,000       | 0.76  | 12.00 |         | 14.00          |                       |                           | 48,000       | 3.68 | 30,800       | 2.62 | 8.4  |
|                          | EHD4X48A**                               | *8MPV100      | TDR&TXV           | 47,500       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.80 | 30,600       | 2.68 | 8.6  |
|                          | EHD4X48A**                               | *8MPV125      | TDR&TXV           | 47,500       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.82 | 30,600       | 2.70 | 8.6  |
|                          | EHD4X48A**                               | *9MPV100      | TDR&TXV           | 47,500       | 0.76  | 12.00 | 14.00   |                |                       |                           | 48,000       | 3.74 | 30,800       | 2.66 | 8.5  |
|                          | EHD4X48A**                               | *9MPV125      | TDR&TXV           | 47,500       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.76 | 30,600       | 2.66 | 8.6  |
|                          | EHD4X48A**                               | MV16J22****   | TDR&TXV           | 48,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 48,000       | 3.86 | 30,200       | 2.74 | 8.7  |
|                          | EHD4X48A**                               | MV20N26****   | TDR&TXV           | 48,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 48,000       | 3.96 | 30,800       | 2.76 | 9.0  |
|                          | EHD4X60A**                               |               | TXV               | 47,500       | 0.76  | 12.00 |         | 14.00          |                       |                           | 48,000       | 3.72 | 30,800       | 2.64 | 8.5  |
|                          | EHD4X60A**                               | *8MPV100      | TDR&TXV           | 48,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 48,000       | 3.90 | 30,800       | 2.74 | 9.0  |
|                          | EHD4X60A**                               | *8MPV125      | TDR&TXV           | 48,000       | 0.76  | 12.50 | 15.00   |                |                       |                           | 48,000       | 3.92 | 30,600       | 2.76 | 9.0  |
|                          | EHD4X60A**                               | *9MPV100      | TDR&TXV           | 48,000       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.84 | 30,800       | 2.70 | 8.7  |
|                          | EHD4X60A**                               | *9MPV125      | TDR&TXV           | 48,000       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.86 | 30,800       | 2.72 | 9.0  |
|                          | FS(M,U)4X48****                          |               | TDR&TXV           | 47,000       | 0.76  | 12.00 | 14.00   |                |                       |                           | 48,000       | 3.64 | 30,800       | 2.60 | 8.3  |
|                          | FS(M,U)4X60****                          |               | TDR&TXV           | 47,500       | 0.76  | 12.00 | 14.00   |                |                       |                           | 48,000       | 3.72 | 31,000       | 2.64 | 8.5  |
|                          | FEM4X48****                              |               | TDR&TXV           | 48,000       | 0.76  | 13.00 | 15.00   |                |                       |                           | 48,000       | 3.82 | 30,000       | 2.74 | 8.7  |
|                          | FEM4X60****                              |               | TDR&TXV           | 48,000       | 0.76  | 12.00 | 14.50   |                |                       |                           | 48,000       | 3.82 | 30,600       | 2.70 | 8.7  |
| H4H460GKB                | ‡ FEM4X60****                            |               | TDR & TXV         | 60,000       | 0.76  | 11.50 | 14.00   |                |                       |                           | 59,000       | 3.70 | 37,000       | 2.60 | 8.40 |
|                          | ED*4X60J**                               |               | TXV               | 59,000       | 0.76  | 11.20 |         | 13.50          |                       |                           | 59,500       | 3.54 | 36,800       | 2.52 | 8.00 |
|                          | ED*4X60J**                               | *8MPV100      | TDR & TXV         | 58,500       | 0.76  | 11.20 | 13.50   |                |                       |                           | 58,500       | 3.50 | 36,200       | 2.52 | 7.90 |
|                          | ED*4X60J**                               | *8MPV125      | TDR & TXV         | 59,000       | 0.76  | 11.20 | 13.50   |                |                       |                           | 59,000       | 3.56 | 36,600       | 2.54 | 8.00 |
|                          | ED*4X60J**                               | MV16J22****   | TDR & TXV         | 59,500       | 0.76  | 11.20 | 13.50   |                |                       |                           | 59,000       | 3.64 | 36,600       | 2.60 | 8.20 |
|                          | ED*4X60L**                               |               | TXV               | 59,500       | 0.76  | 11.00 |         | 13.20          |                       |                           | 59,500       | 3.58 | 37,200       | 2.54 | 8.10 |
|                          | EHD4X60A**                               |               | TXV               | 59,000       | 0.76  | 11.00 |         | 13.20          |                       |                           | 59,500       | 3.64 | 37,200       | 2.56 | 8.20 |
|                          | EHD4X60A**                               | *8MPV100      | TDR & TXV         | 58,500       | 0.76  | 11.20 | 13.50   |                |                       |                           | 58,500       | 3.54 | 36,200       | 2.54 | 8.00 |
|                          | EHD4X60A**                               | *8MPV125      | TDR & TXV         | 59,000       | 0.76  | 11.20 | 13.50   |                |                       |                           | 59,000       | 3.60 | 36,600       | 2.56 | 8.10 |
|                          | EHD4X60A**                               | MV16J22****   | TDR & TXV         | 59,500       | 0.76  | 11.20 | 13.50   |                |                       |                           | 59,000       | 3.72 | 36,600       | 2.60 | 8.30 |
|                          | EHD4X60A**                               | MV20N26****   | TDR & TXV         | 59,500       | 0.76  | 11.50 | 14.00   |                |                       |                           | 59,000       | 3.72 | 36,400       | 2.62 | 8.30 |
|                          | FS(M,U)4X60****                          |               | TDR & TXV         | 59,500       | 0.76  | 10.80 | 13.00   |                |                       |                           | 60,000       | 3.56 | 37,800       | 2.50 | 8.00 |
|                          | FVM4X60****                              |               | TDR & TXV         | 59,500       | 0.76  | 11.50 | 14.00   |                |                       |                           | 59,000       | 3.68 | 36,000       | 2.62 | 8.30 |

**OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)**

| Digit Position:                                                                                                                                                                                                                    | 1        | 2        | 3        | 4        | 5, 6      | 7        | 8        | 9        | 10       | 11       | 12       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|
| Example Part Number:                                                                                                                                                                                                               | <b>H</b> | <b>4</b> | <b>H</b> | <b>4</b> | <b>18</b> | <b>G</b> | <b>K</b> | <b>A</b> | <b>1</b> | <b>0</b> | <b>0</b> |
| H = ICP Commercial Mainline<br>N = ICP Commercial Entry <b>BRANDING</b>                                                                                                                                                            |          |          |          |          |           |          |          |          |          |          |          |
| 2 = R-22<br>4 = R-410A <b>REFRIGERANT</b>                                                                                                                                                                                          |          |          |          |          |           |          |          |          |          |          |          |
| A = Air Conditioner<br>H = Heat Pump <b>TYPE</b>                                                                                                                                                                                   |          |          |          |          |           |          |          |          |          |          |          |
| 3 = 13 SEER<br>4 = 14 SEER<br>5 = 15 SEER<br>6 = 16 SEER<br>7 = 17 SEER<br>8 = 18 SEER <b>NOMINAL EFFICIENCY</b>                                                                                                                   |          |          |          |          |           |          |          |          |          |          |          |
| 18 = 18,000 BTUH = 1½ tons<br>24 = 24,000 BTUH = 2 tons<br>30 = 30,000 BTUH = 2½ tons<br>36 = 36,000 BTUH = 3 tons<br>42 = 42,000 BTUH = 3½ tons<br>48 = 48,000 BTUH = 4 tons<br>60 = 60,000 BTUH = 5 tons <b>NOMINAL CAPACITY</b> |          |          |          |          |           |          |          |          |          |          |          |
| A = Standard Grille<br>G = Coil Guard Grille<br>C = Coastal <b>FEATURES</b>                                                                                                                                                        |          |          |          |          |           |          |          |          |          |          |          |
| K = 208/230-1-60 <b>VOLTAGE</b>                                                                                                                                                                                                    |          |          |          |          |           |          |          |          |          |          |          |
| Sales Code                                                                                                                                                                                                                         |          |          |          |          |           |          |          |          |          |          |          |
| Engineering Revision                                                                                                                                                                                                               |          |          |          |          |           |          |          |          |          |          |          |
| Extra Digit                                                                                                                                                                                                                        |          |          |          |          |           |          |          |          |          |          |          |
| Extra Digit                                                                                                                                                                                                                        |          |          |          |          |           |          |          |          |          |          |          |

**ACCESSORIES PART NUMBER IDENTIFICATION GUIDE**

| Digit Position:                                                            | 1        | 2        | 3        | 4        | 5        | 6, 7      | 8, 9      | 10, 11    |
|----------------------------------------------------------------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|
| Example Part Number:                                                       | <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<br>(Example: CH = Crankcase Heater)                            |          |          |          |          |          |           |           |           |