

## TECHNICAL SPECIFICATIONS

# HSA4ME Series

### 14.3 SEER2 Manufactured Housing Air Conditioner System 2 – 5 Ton Capacity

The HSA4ME Series of air conditioners offer exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

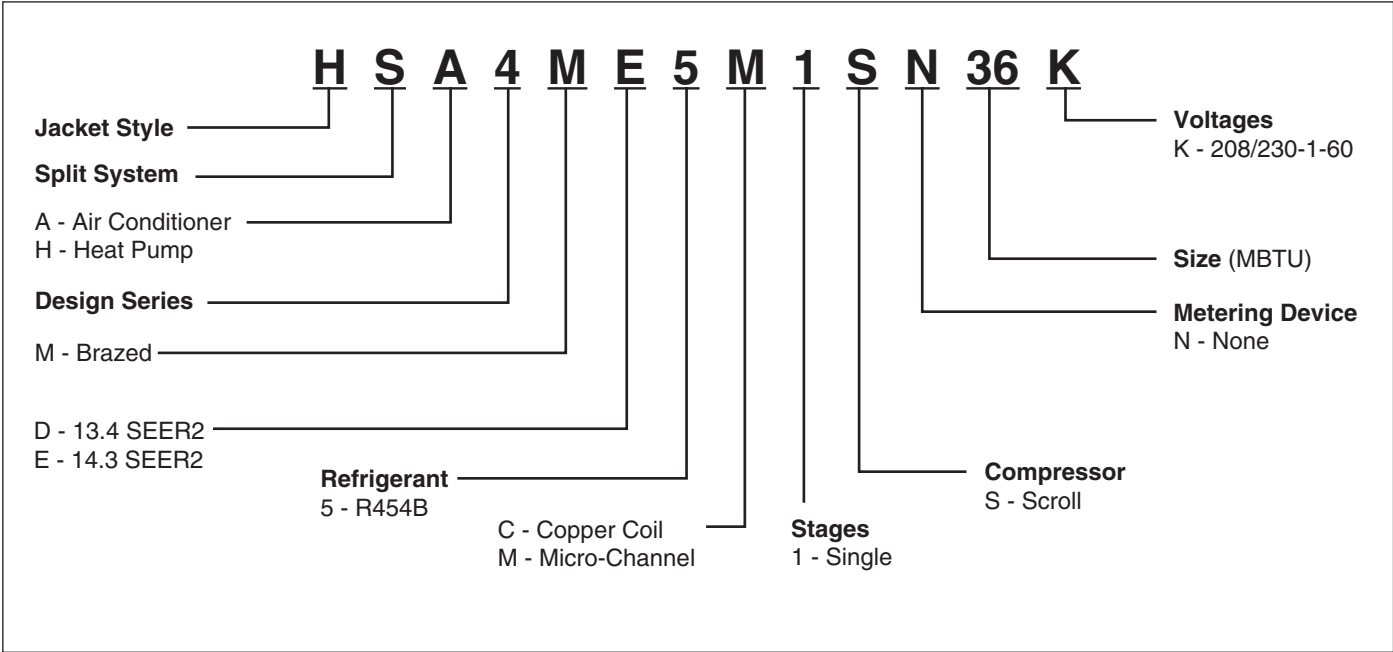


## FEATURES and BENEFITS

- **Designed for Manufactured Housing:** Charged with refrigerant for 20 feet of lineset.
- **Full Service Valves:** These brass valves are easily accessible and simplify servicing of the refrigeration system.
- **Designed Using Galvanized Steel:** A powder coated paint that eliminates sharp edges and reduces corrosion, fading, chipping and scratching. It passes 950 hours of salt spray per ASTM Std. B117.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **Quality Compressor** State-of-the-art Scroll compressor is standard equipment, offering superior comfort and efficiency.
- **Powder Coated Full Metal Jacket:** Will never rust and protects the coil from being damaged by balls, lawnmowers, hail, etc.
- **Permanently Lubricated Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Liquid Line Filter Drier:** Included with unit, factory installed on QE and field installed on ME models.
- **One Piece Top/Orifice:** Designed for maximum airflow and quiet operation.
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **All-Aluminum coils:** Aluminum coils in all models which provides high corrosion resistance.
- **Servicer-Friendly Jacket:** Side panels can be easily removed and replaced without removing the top grill.

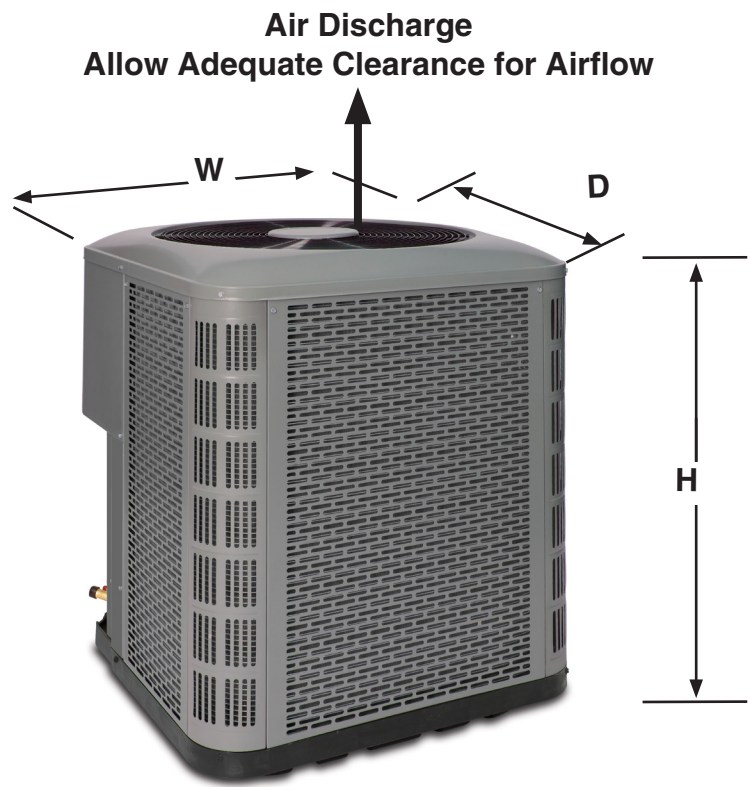


# MODEL IDENTIFICATION CODES



## DIMENSIONS AIR CONDITIONER OUTDOOR SECTION

| HSA4ME | 24K   | 30K   | 36K   | 42K   | 48K   | 60K   |
|--------|-------|-------|-------|-------|-------|-------|
| H      | 29.25 | 29.25 | 37.25 | 45.25 | 45.25 | 45.25 |
| W      | 31.75 | 31.75 | 31.75 | 31.75 | 31.75 | 31.75 |
| D      | 31.75 | 31.75 | 31.75 | 31.75 | 31.75 | 31.75 |



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 14.3 SEER2 — Single Phase

| Model Number HSA4ME5M                             |                        | 1SN24K       | 1SN30K | 1SN36K | 1SN42K   | 1SN48K | 1SN60K     |
|---------------------------------------------------|------------------------|--------------|--------|--------|----------|--------|------------|
| Electrical Data                                   | Volts-Cycles-Phase (1) | 208/230-60-1 |        |        |          |        |            |
|                                                   | Delay Fuse Max. (2)    | 20           | 25     | 30     | 30       | 40     | 50         |
|                                                   | Min. Circuit Ampacity  | 12.1         | 16.5   | 18.9   | 19.3     | 25.6   | 29.6       |
| Component Data                                    | Fan Motor HP HP        | 1/8          | 1/8    | 1/8    | 1/4      | 1/4    | 1/4        |
|                                                   | Compressor Data LRA    | 63           | 67     | 86     | 95       | 102    | 148        |
| Refrigerant suction line O.D.                     |                        | 0-24 ft.     | 3/4"   | 3/4"   | 3/4"     | 7/8"   | 7/8"       |
| NOTE: Liquid line is 3/8" O.D. for entire length. |                        | 25-39 ft.    | 3/4"   | 3/4"   | 3/4"     | 7/8"   | 1-1/8" (4) |
|                                                   |                        | 40-75 ft.    | 3/4"   | 3/4"   | 7/8" (3) | 7/8"   | 1-1/8" (4) |
| Approximate Shipping Weight (lbs.)                |                        | 155          | 155    | 168    | 178      | 200    | 213        |
| Sound Rating dBA                                  |                        | 72           | 76     | 73     | 74       | 78     | 78         |

Rated for 10,000 ft maximum elevation

(1) Operating Voltage Range: 187v min. - 253v max.

(2) HACR Type Circuit Breakers may be used.

(3) Requires 7/8" to 3/4" reducer from line to unit.

(4) Requires 7/8" to 1-1/8" reducer from line to unit.

## ACCESSORIES - Condensing Unit

### Start Assist Kit - 912933

Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.

### Low Ambient Kit - 918837

# SYSTEM COOLING CAPACITIES

## 14.3 SEER2 — Single Phase

| Manufactured Housing Gas Furnace |                |        |       |      |       |          |
|----------------------------------|----------------|--------|-------|------|-------|----------|
| Outdoor Unit                     | Indoor Unit    | BTUH   | SEER2 | EER2 | CFM   | AHRI DTC |
| HSA4ME5M1SN24K                   | C85DAMX24U-B   | 23,600 | 14.3  | 11.7 | 800   | YES      |
| HSA4ME5M1SN30K                   | C85DAMX3036U-B | 29,000 | 14.3  | 11.7 | 1,000 | YES      |
| HSA4ME5M1SN36K                   | C85DAMX3036U-B | 35,000 | 14.3  | 11.7 | 1,115 | YES      |
| HSA4ME5M1SN42K                   | C85DAMX42U-B   | 39,500 | 14.3  | 11.7 | 1,190 | YES      |
| HSA4ME5M1SN48K                   | C85DAMX48U-B   | 47,000 | 13.8  | 11.2 | 1,500 | YES      |
| HSA4ME5M1SN60K                   | C85DAMX4960U-B | 55,500 | 13.8  | 11.2 | 1,580 | YES      |

See current AHRI Directory for certified combinations and ratings. All ratings are with time delay relay.

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

# COOLING EXPANDED RATINGS WITH COIL

HSA4ME5M1SN24K + C85DAMX24U-B

| CFM | O.D.T  |        | 65°F |      |      | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-----|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
|     | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 700 | 80     | 62     | 27.1 | 22.7 | 1.43 | 25.7 | 22.1 | 1.58 | 24.5 | 21.4 | 1.75 | 23.2 | 20.8 | 1.94 | 21.8  | 20.2 | 2.14 | 20.3  | 18.7 | 2.38 |
|     | 80     | 67     | 29.3 | 18.9 | 1.41 | 28   | 18.3 | 1.57 | 26.6 | 17.9 | 1.75 | 25.3 | 17.3 | 1.94 | 23.9  | 16.6 | 2.15 | 22.3  | 15.8 | 2.38 |
|     | 80     | 72     | 31.6 | 15.4 | 1.38 | 30.1 | 14.8 | 1.56 | 28.7 | 14.3 | 1.74 | 27.4 | 13.7 | 1.93 | 25.9  | 13.1 | 2.15 | 24.1  | 12.4 | 2.38 |
|     | 75     | 62     | 27   | 19.3 | 1.43 | 25.7 | 18.7 | 1.58 | 24.4 | 18   | 1.75 | 23.1 | 17.4 | 1.94 | 21.7  | 16.8 | 2.14 | 20.3  | 16.1 | 2.38 |
|     | 75     | 67     | 29.1 | 15.7 | 1.41 | 27.8 | 15.1 | 1.57 | 26.5 | 14.4 | 1.75 | 25.1 | 13.8 | 1.94 | 23.8  | 13.3 | 2.15 | 22.2  | 12.6 | 2.38 |
| 800 | 80     | 62     | 27.7 | 24.2 | 1.46 | 26.3 | 23.6 | 1.62 | 25   | 22.9 | 1.79 | 23.6 | 22.2 | 1.98 | 22.2  | 21.4 | 2.19 | 20.8  | 20.4 | 2.42 |
|     | 80     | 67     | 29.9 | 19.9 | 1.44 | 28.5 | 19.3 | 1.61 | 27.2 | 18.9 | 1.79 | 25.8 | 18.3 | 1.98 | 24.1  | 16.9 | 2.19 | 22.7  | 16.8 | 2.42 |
|     | 80     | 72     | 32.2 | 16.1 | 1.42 | 30.7 | 15.4 | 1.59 | 29.3 | 14.8 | 1.77 | 27.9 | 14.3 | 1.97 | 26.3  | 13.7 | 2.19 | 24.5  | 12.9 | 2.43 |
|     | 75     | 62     | 27.6 | 20.4 | 1.46 | 26.2 | 19.8 | 1.62 | 24.9 | 19.1 | 1.79 | 23.5 | 18.5 | 1.98 | 22.1  | 17.8 | 2.19 | 20.6  | 17.1 | 2.42 |
|     | 75     | 67     | 29.8 | 16.3 | 1.44 | 28.4 | 15.7 | 1.61 | 27   | 15.1 | 1.79 | 25.5 | 14.3 | 1.98 | 24.2  | 13.8 | 2.19 | 22.5  | 13.1 | 2.42 |
| 900 | 80     | 62     | 28.2 | 25.6 | 1.5  | 26.7 | 24.9 | 1.66 | 25.3 | 24.1 | 1.83 | 24   | 23.2 | 2.02 | 22.6  | 22.4 | 2.23 | 21.2  | 21.2 | 2.46 |
|     | 80     | 67     | 30.5 | 20.9 | 1.48 | 29   | 20.3 | 1.65 | 27.5 | 19.9 | 1.83 | 26.1 | 19.3 | 2.02 | 24.4  | 17.7 | 2.23 | 22.9  | 17.7 | 2.47 |
|     | 80     | 72     | 32.7 | 16.5 | 1.45 | 31.1 | 15.9 | 1.63 | 29.8 | 15.4 | 1.81 | 28.2 | 14.8 | 2.01 | 26.6  | 14.1 | 2.23 | 24.7  | 13.4 | 2.47 |
|     | 75     | 62     | 28.1 | 21.4 | 1.5  | 26.6 | 20.7 | 1.66 | 25.2 | 20.1 | 1.83 | 23.9 | 19.4 | 2.02 | 22.4  | 18.8 | 2.23 | 20.8  | 18.1 | 2.46 |
|     | 75     | 67     | 30.3 | 16.9 | 1.48 | 28.9 | 16.2 | 1.65 | 27.4 | 15.7 | 1.83 | 25.9 | 14.8 | 2.02 | 24.5  | 14.5 | 2.23 | 22.6  | 13.5 | 2.46 |

HSA4ME5M1SN30K + C85DAMX3036U-B

| CFM  | O.D.T  |        | 65°F |      |      | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
|      | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 875  | 80     | 62     | 31.4 | 26.6 | 1.72 | 30.3 | 26.1 | 1.92 | 29   | 25.5 | 2.12 | 27.6 | 24.9 | 2.34 | 26.1  | 24   | 2.6  | 24.5  | 23.3 | 2.9  |
|      | 80     | 67     | 34   | 21.9 | 1.73 | 33   | 21.8 | 1.93 | 31.6 | 21.2 | 2.13 | 30   | 20.5 | 2.35 | 28.4  | 19.8 | 2.6  | 26.8  | 19.2 | 2.91 |
|      | 80     | 72     | 37.8 | 18.4 | 1.76 | 36.3 | 17.7 | 1.95 | 34.6 | 17   | 2.15 | 32.8 | 16.3 | 2.36 | 31    | 15.6 | 2.62 | 29.2  | 14.9 | 2.93 |
|      | 75     | 62     | 31.3 | 22.5 | 1.72 | 30.2 | 22   | 1.92 | 29   | 21.4 | 2.12 | 27.5 | 20.8 | 2.34 | 26    | 20   | 2.59 | 24.5  | 19.3 | 2.9  |
|      | 75     | 67     | 34   | 18.2 | 1.73 | 32.8 | 17.6 | 1.93 | 31.5 | 17.1 | 2.13 | 29.9 | 16.4 | 2.34 | 28.3  | 15.7 | 2.6  | 26.7  | 15.1 | 2.91 |
| 1000 | 80     | 62     | 32.1 | 28.4 | 1.78 | 31   | 27.8 | 1.97 | 29.6 | 27.2 | 2.18 | 28.1 | 26.4 | 2.39 | 26.6  | 25.6 | 2.65 | 25    | 24.6 | 2.96 |
|      | 80     | 67     | 35   | 23.6 | 1.79 | 33.7 | 23   | 1.98 | 32.2 | 22.4 | 2.18 | 30.5 | 21.7 | 2.4  | 28.9  | 21.1 | 2.66 | 27.2  | 20.3 | 2.97 |
|      | 80     | 72     | 38.7 | 19   | 1.82 | 37.1 | 18.5 | 2    | 35.2 | 17.7 | 2.2  | 33.4 | 17   | 2.42 | 31.5  | 16.2 | 2.68 | 29.7  | 15.5 | 2.99 |
|      | 75     | 62     | 32   | 23.8 | 1.78 | 30.9 | 23.3 | 1.97 | 29.5 | 22.6 | 2.18 | 28.1 | 21.9 | 2.39 | 26.5  | 21.2 | 2.65 | 24.9  | 20.6 | 2.96 |
|      | 75     | 67     | 34.7 | 18.9 | 1.79 | 33.5 | 18.3 | 1.98 | 32   | 17.6 | 2.18 | 30.4 | 17.1 | 2.4  | 28.8  | 16.5 | 2.66 | 27    | 15.4 | 2.97 |
| 1125 | 80     | 62     | 32.6 | 30   | 1.83 | 31.4 | 29.4 | 2.03 | 30   | 28.5 | 2.23 | 28.6 | 27.8 | 2.45 | 27.1  | 26.7 | 2.71 | 25.7  | 25.5 | 3.02 |
|      | 80     | 67     | 35.6 | 24.8 | 1.84 | 34.2 | 24.2 | 2.04 | 32.6 | 23.6 | 2.23 | 31   | 22.8 | 2.45 | 29.2  | 22.1 | 2.71 | 27.5  | 21.4 | 3.02 |
|      | 80     | 72     | 39.3 | 19.7 | 1.87 | 37.6 | 19   | 2.06 | 35.7 | 18.3 | 2.25 | 33.8 | 17.5 | 2.47 | 31.8  | 16.8 | 2.73 | 30    | 16.1 | 3.05 |
|      | 75     | 62     | 32.5 | 24.9 | 1.83 | 31.4 | 24.4 | 2.03 | 29.9 | 23.8 | 2.23 | 28.4 | 23.1 | 2.45 | 26.8  | 22.4 | 2.7  | 25.1  | 21.6 | 3.01 |
|      | 75     | 67     | 35.3 | 19.5 | 1.84 | 34   | 18.9 | 2.04 | 32.5 | 18.4 | 2.23 | 30.9 | 17.8 | 2.45 | 29    | 16.7 | 2.71 | 27.4  | 16.3 | 3.02 |

HSA4ME5M1SN36K + C85DAMX3036U-B

| CFM  | O.D.T  |        | 65°F |      |      | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
|      | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 1050 | 80     | 62     | 37.6 | 31   | 2.04 | 36.4 | 30.4 | 2.27 | 34.9 | 29.9 | 2.51 | 33.2 | 29   | 2.77 | 31.3  | 27.7 | 3.08 | 29.3  | 26.9 | 3.43 |
|      | 80     | 67     | 40.9 | 26.3 | 2.07 | 39.5 | 25.7 | 2.29 | 37.8 | 24.9 | 2.52 | 36   | 24   | 2.78 | 33.9  | 23.1 | 3.07 | 31.9  | 22.3 | 3.41 |
|      | 80     | 72     | 44.9 | 21.7 | 2.11 | 43.1 | 20.9 | 2.31 | 41.3 | 20.2 | 2.54 | 39.1 | 19.3 | 2.78 | 36.9  | 18.4 | 3.07 | 34.7  | 17.6 | 3.39 |
|      | 75     | 62     | 37.4 | 26.4 | 2.04 | 36.3 | 25.8 | 2.27 | 34.8 | 25.1 | 2.51 | 33.1 | 24.2 | 2.77 | 31.1  | 23.3 | 3.08 | 29.2  | 22.4 | 3.43 |
|      | 75     | 67     | 40.7 | 21.7 | 2.07 | 39.3 | 21.1 | 2.29 | 37.7 | 20.3 | 2.52 | 35.9 | 19.6 | 2.77 | 33.8  | 18.6 | 3.07 | 31.4  | 17.5 | 3.41 |
| 1115 | 80     | 62     | 38   | 31.8 | 2.08 | 36.8 | 31.4 | 2.3  | 35.3 | 30.3 | 2.54 | 33.5 | 29.8 | 2.8  | 31.5  | 28.4 | 3.1  | 29.5  | 27.7 | 3.45 |
|      | 80     | 67     | 41.3 | 26.9 | 2.1  | 39.9 | 26.3 | 2.32 | 38.2 | 25.4 | 2.55 | 36.3 | 24.6 | 2.8  | 34.2  | 23.7 | 3.09 | 32.1  | 22.7 | 3.43 |
|      | 80     | 72     | 45.5 | 22.1 | 2.14 | 43.5 | 21.2 | 2.34 | 41.8 | 20.6 | 2.56 | 39.4 | 19.6 | 2.81 | 37.1  | 18.7 | 3.09 | 34.8  | 17.8 | 3.42 |
|      | 75     | 62     | 37.8 | 27   | 2.07 | 36.6 | 26.4 | 2.3  | 35.1 | 25.7 | 2.54 | 33.4 | 24.8 | 2.8  | 31.4  | 24   | 3.1  | 29.4  | 22.9 | 3.45 |
|      | 75     | 67     | 41.1 | 22.1 | 2.1  | 39.7 | 21.4 | 2.32 | 38   | 20.6 | 2.55 | 36.2 | 19.9 | 2.8  | 34    | 18.9 | 3.09 | 31.7  | 17.8 | 3.43 |
| 1350 | 80     | 62     | 39.1 | 34.4 | 2.18 | 37.8 | 34.3 | 2.41 | 36.1 | 33.3 | 2.64 | 34.2 | 32.5 | 2.9  | 32.3  | 31.3 | 3.2  | 30.3  | 30   | 3.55 |
|      | 80     | 67     | 42.4 | 28.8 | 2.21 | 40.9 | 28.2 | 2.42 | 39.1 | 27.3 | 2.65 | 37.1 | 26.4 | 2.9  | 34.9  | 25.4 | 3.19 | 32.7  | 24.5 | 3.53 |
|      | 80     | 72     | 46.4 | 23.2 | 2.24 | 44.6 | 22.4 | 2.44 | 42.7 | 21.6 | 2.66 | 40.3 | 20.6 | 2.91 | 37.8  | 19.7 | 3.19 | 35.4  | 18.8 | 3.51 |
|      | 75     | 62     | 38.9 | 29   | 2.18 | 37.6 | 28.3 | 2.41 | 36   | 27.7 | 2.64 | 34.1 | 26.8 | 2.9  | 32    | 25.7 | 3.2  | 29.9  | 24.6 | 3.55 |
|      | 75     | 67     | 42.2 | 23.2 | 2.21 | 40.7 | 22.5 | 2.42 | 38.9 | 21.8 | 2.65 | 36.9 | 20.9 | 2.9  | 34.7  | 19.9 | 3.19 | 32.5  | 18.9 | 3.53 |

# COOLING EXPANDED RATINGS WITH COIL

HSA4ME5M1SN42K + C85DAMX42U-B

| CFM  | O.D.T  |        | 65°F |      |      | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
|      | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 1190 | 80     | 62     | 41.2 | 34.1 | 2.28 | 40.3 | 34   | 2.6  | 38.7 | 33.2 | 2.91 | 36.9 | 32.4 | 3.2  | 35    | 31   | 3.52 | 33    | 30.6 | 3.88 |
|      | 80     | 67     | 44.9 | 28.9 | 2.25 | 43.7 | 28.4 | 2.57 | 42.1 | 27.7 | 2.87 | 40.2 | 26.8 | 3.16 | 38.2  | 26   | 3.48 | 36.1  | 25   | 3.83 |
|      | 80     | 72     | 49.4 | 23.9 | 2.23 | 47.7 | 23.1 | 2.54 | 45.8 | 22.3 | 2.84 | 43.8 | 21.6 | 3.13 | 41.4  | 20.7 | 3.45 | 39.3  | 19.8 | 3.8  |
|      | 75     | 62     | 41.1 | 29.2 | 2.28 | 39.9 | 28.3 | 2.61 | 38.6 | 28.1 | 2.9  | 36.8 | 27.1 | 3.2  | 34.8  | 26   | 3.52 | 32.8  | 25   | 3.88 |
| 1400 | 80     | 67     | 44.8 | 23.9 | 2.25 | 43.6 | 23.4 | 2.57 | 41.9 | 22.6 | 2.87 | 40   | 21.7 | 3.16 | 37.8  | 20.7 | 3.48 | 35.9  | 19.9 | 3.83 |
|      | 80     | 62     | 42.3 | 36.7 | 2.35 | 41.2 | 36.4 | 2.68 | 39.6 | 35.8 | 2.98 | 37.7 | 35   | 3.28 | 35.7  | 33.9 | 3.6  | 33.7  | 32.7 | 3.96 |
|      | 80     | 67     | 46.1 | 30.7 | 2.32 | 44.8 | 30.1 | 2.64 | 43.1 | 29.4 | 2.94 | 41   | 28.5 | 3.24 | 39    | 27.5 | 3.56 | 36.8  | 26.6 | 3.91 |
|      | 80     | 72     | 50.3 | 24.8 | 2.3  | 48.9 | 24.2 | 2.61 | 46.9 | 23.4 | 2.91 | 44.6 | 22.4 | 3.21 | 42.3  | 21.5 | 3.52 | 40    | 20.6 | 3.87 |
| 1575 | 75     | 62     | 42.3 | 30.9 | 2.36 | 40.7 | 29.8 | 2.68 | 39.5 | 29.8 | 2.98 | 37.6 | 28.9 | 3.28 | 35.6  | 27.8 | 3.6  | 33.5  | 26.7 | 3.96 |
|      | 75     | 67     | 46   | 25   | 2.32 | 44.6 | 24.4 | 2.65 | 42.9 | 23.6 | 2.94 | 40.9 | 22.8 | 3.24 | 38.6  | 21.7 | 3.56 | 36.6  | 20.8 | 3.91 |
|      | 80     | 62     | 43   | 38.8 | 2.42 | 41.8 | 37.8 | 2.75 | 40.2 | 37.7 | 3.05 | 38.2 | 36.6 | 3.35 | 36.2  | 35.5 | 3.67 | 34.3  | 34.3 | 4.02 |
|      | 80     | 67     | 46.8 | 32   | 2.38 | 45.4 | 31.4 | 2.71 | 43.6 | 30.6 | 3.01 | 41.6 | 29.7 | 3.3  | 39.4  | 28.8 | 3.62 | 37.2  | 28   | 3.97 |
|      | 80     | 72     | 51.3 | 25.6 | 2.36 | 49.5 | 24.9 | 2.68 | 47.4 | 24   | 2.98 | 45.2 | 23.1 | 3.27 | 42.7  | 22.3 | 3.59 | 40.4  | 21.4 | 3.94 |
|      | 75     | 62     | 42.6 | 31.7 | 2.42 | 41.3 | 30.9 | 2.75 | 39.7 | 30.2 | 3.05 | 38.1 | 30.2 | 3.35 | 36    | 28.9 | 3.67 | 33.8  | 27.9 | 4.02 |
|      | 75     | 67     | 46.7 | 25.8 | 2.39 | 45.3 | 25.2 | 2.71 | 43.6 | 24.5 | 3.01 | 41.4 | 23.5 | 3.3  | 39.1  | 22.4 | 3.62 | 36.9  | 21.4 | 3.97 |

HSA4ME5M1SN48K + C85DAMX48U-B

| CFM  | O.D.T  |        | 65°F |      |      | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
|      | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 1500 | 80     | 62     | 50.4 | 43.1 | 2.84 | 48.9 | 41.9 | 3.2  | 47   | 41.6 | 3.54 | 44.7 | 39.8 | 3.9  | 42.3  | 39.4 | 4.29 | 39.7  | 38.2 | 4.74 |
|      | 80     | 67     | 54.8 | 36.2 | 2.82 | 53   | 35.5 | 3.18 | 50.9 | 34.4 | 3.53 | 48.6 | 33.5 | 3.88 | 46    | 32.3 | 4.26 | 43.5  | 31.6 | 4.7  |
|      | 80     | 72     | 60.2 | 29.8 | 2.82 | 57.9 | 28.8 | 3.18 | 55.7 | 27.9 | 3.52 | 52.6 | 26.6 | 3.87 | 50.1  | 25.7 | 4.25 | 47.4  | 24.6 | 4.69 |
|      | 75     | 62     | 50.4 | 36.6 | 2.85 | 48.8 | 35.9 | 3.2  | 46.9 | 35   | 3.55 | 44.5 | 33.8 | 3.9  | 42.1  | 32.8 | 4.29 | 39.5  | 31.7 | 4.74 |
| 1600 | 75     | 67     | 54.7 | 29.8 | 2.83 | 52.9 | 29   | 3.19 | 50.8 | 28   | 3.53 | 48.3 | 27   | 3.88 | 45.9  | 25.9 | 4.26 | 43.3  | 24.8 | 4.7  |
|      | 80     | 62     | 50.9 | 44.4 | 2.88 | 49.4 | 43.4 | 3.24 | 47.3 | 42.9 | 3.59 | 45.1 | 41.4 | 3.94 | 42.6  | 40.6 | 4.33 | 40.1  | 39.2 | 4.78 |
|      | 80     | 67     | 55.3 | 37.1 | 2.86 | 53.6 | 36.4 | 3.22 | 51.4 | 35.3 | 3.57 | 49   | 34.4 | 3.92 | 46.4  | 33.1 | 4.3  | 43.8  | 32.4 | 4.75 |
|      | 80     | 72     | 60.8 | 30.3 | 2.86 | 58.6 | 29.4 | 3.22 | 55.9 | 28.4 | 3.56 | 53.2 | 27.3 | 3.91 | 50.5  | 26.2 | 4.29 | 47.7  | 25.1 | 4.73 |
| 1800 | 75     | 62     | 50.7 | 37.4 | 2.89 | 49.2 | 36.5 | 3.24 | 47.2 | 35.7 | 3.59 | 44.9 | 34.7 | 3.94 | 42.4  | 33.7 | 4.33 | 39.8  | 32.6 | 4.78 |
|      | 75     | 67     | 55.2 | 30.3 | 2.86 | 53.3 | 29.5 | 3.22 | 51.2 | 28.6 | 3.57 | 48.7 | 27.5 | 3.92 | 46.2  | 26.5 | 4.3  | 43.6  | 25.3 | 4.74 |
|      | 80     | 62     | 51.7 | 46.5 | 2.96 | 50.1 | 46   | 3.32 | 48   | 45.1 | 3.67 | 45.7 | 44   | 4.02 | 43.2  | 42.5 | 4.41 | 40.8  | 40.8 | 4.86 |
|      | 80     | 67     | 56.2 | 38.8 | 2.93 | 54.4 | 38.1 | 3.3  | 52.1 | 37   | 3.65 | 49.6 | 36   | 4    | 46.9  | 34.9 | 4.38 | 44.3  | 34   | 4.83 |
|      | 80     | 72     | 61.6 | 31.4 | 2.93 | 59.4 | 30.4 | 3.29 | 56.7 | 29.3 | 3.63 | 54   | 28.2 | 3.99 | 51    | 27.1 | 4.37 | 48.3  | 26.1 | 4.81 |
|      | 75     | 62     | 51.6 | 39   | 2.96 | 50   | 38.6 | 3.32 | 47.9 | 37.5 | 3.67 | 45.5 | 36.6 | 4.02 | 43    | 35.4 | 4.41 | 40.4  | 34.2 | 4.87 |
|      | 75     | 67     | 56   | 31.4 | 2.94 | 54.1 | 30.6 | 3.3  | 51.8 | 29.5 | 3.65 | 49.3 | 28.5 | 4    | 46.7  | 27.3 | 4.38 | 44.1  | 26.2 | 4.82 |

HSA4ME5M1SN60K + C85DAMX4960U-B

| CFM  | O.D.T  |        | 65°F |      |      | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
|      | E.D.B. | E.W.B. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C. | S.C. | K.W. | T.C.  | S.C. | K.W. | T.C.  | S.C. | K.W. |
| 1580 | 80     | 62     | 59.9 | 49.1 | 3.36 | 57.8 | 48.3 | 3.77 | 55.6 | 47.4 | 4.17 | 53.1 | 46.2 | 4.6  | 50.7  | 44.6 | 5.08 | 48    | 43.2 | 5.64 |
|      | 80     | 67     | 64.9 | 41.6 | 3.37 | 62.6 | 40.5 | 3.78 | 60.3 | 39.5 | 4.19 | 57.9 | 38.5 | 4.63 | 55.3  | 37.2 | 5.12 | 52.5  | 35.9 | 5.68 |
|      | 80     | 72     | 70.3 | 34   | 3.38 | 67.9 | 33   | 3.8  | 65   | 31.7 | 4.21 | 62.8 | 30.9 | 4.66 | 60.3  | 29.8 | 5.16 | 57.2  | 28.6 | 5.73 |
|      | 75     | 62     | 59.6 | 41.9 | 3.35 | 57.6 | 40.9 | 3.77 | 54.9 | 39   | 4.17 | 53   | 38.8 | 4.6  | 50.5  | 37.5 | 5.08 | 47.8  | 36   | 5.63 |
| 1875 | 75     | 67     | 64.7 | 34.4 | 3.37 | 62.4 | 33.3 | 3.78 | 60.1 | 32.4 | 4.19 | 57.6 | 31.3 | 4.62 | 55    | 30.1 | 5.12 | 52.1  | 28.8 | 5.67 |
|      | 80     | 62     | 61.5 | 53   | 3.48 | 59.2 | 52.4 | 3.9  | 56.9 | 51.1 | 4.31 | 54.4 | 49   | 4.73 | 51.9  | 48.2 | 5.21 | 49.1  | 46.9 | 5.77 |
|      | 80     | 67     | 66.7 | 44.3 | 3.5  | 64.2 | 43.1 | 3.91 | 61.8 | 42.1 | 4.32 | 59.2 | 40.9 | 4.76 | 56.7  | 40.1 | 5.25 | 53.6  | 38.5 | 5.81 |
|      | 80     | 72     | 72.2 | 35.6 | 3.51 | 69.4 | 34.4 | 3.92 | 67   | 33.5 | 4.34 | 64.2 | 32.5 | 4.79 | 61.5  | 31.5 | 5.3  | 58.5  | 30.2 | 5.87 |
| 2000 | 75     | 62     | 61.3 | 44.6 | 3.48 | 59.1 | 43.9 | 3.9  | 56.7 | 42.9 | 4.31 | 54.2 | 41.4 | 4.73 | 51.7  | 40.1 | 5.21 | 48.8  | 38.6 | 5.77 |
|      | 75     | 67     | 66.4 | 36.1 | 3.5  | 63.7 | 34.9 | 3.91 | 61.6 | 33.9 | 4.32 | 59   | 32.8 | 4.76 | 56.1  | 31.6 | 5.25 | 53.4  | 30.5 | 5.81 |
|      | 80     | 62     | 62.1 | 54.5 | 3.54 | 59.7 | 53.9 | 3.95 | 57.4 | 51.7 | 4.36 | 54.8 | 51.7 | 4.79 | 52.2  | 49.9 | 5.27 | 49.4  | 48.1 | 5.82 |
|      | 80     | 67     | 67.3 | 45.3 | 3.55 | 64.9 | 44.3 | 3.96 | 62.3 | 43.2 | 4.37 | 59.7 | 42   | 4.82 | 56.9  | 40.9 | 5.31 | 54    | 39.6 | 5.87 |
|      | 80     | 72     | 72.7 | 36.2 | 3.56 | 70.1 | 35.3 | 3.98 | 67.4 | 34.2 | 4.4  | 64.9 | 33.3 | 4.85 | 61.9  | 32   | 5.35 | 58.8  | 30.7 | 5.93 |
|      | 75     | 62     | 61.8 | 45.8 | 3.54 | 59.6 | 45   | 3.95 | 57.2 | 44   | 4.36 | 54.7 | 42.7 | 4.79 | 52    | 41.2 | 5.27 | 49.1  | 39.7 | 5.82 |
|      | 75     | 67     | 67.1 | 36.8 | 3.55 | 64.7 | 35.7 | 3.96 | 61.7 | 34.4 | 4.37 | 59.4 | 33.5 | 4.81 | 56.5  | 32.2 | 5.3  | 53.7  | 31.1 | 5.86 |



#### GENERAL TERMS OF LIMITED WARRANTY

Nordyne, LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nordyne, LLC warranty department for a copy.

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