

**MAYTAG**

## TECHNICAL SPECIFICATIONS

*Model MSH4BF-KA Series*



M120 Product Line

**R-410A Ultra High Efficiency Heat Pumps  
16 SEER — 2 - 5 Ton Capacity**



- **12 YEAR ALL PARTS WARRANTY**
- **This product offers a 1 Year Dependability Promise to replace the unit if the compressor fails in the first year of operation, to the original owner. All split system products must be installed with a matched indoor air handler or indoor coil to qualify.**
- **Product registration required for 12-year All Parts Warranty and Dependability Promise within a limited period of time after the installation. See current warranty document for details. This can be viewed at [www.maytaghvc.com](http://www.maytaghvc.com) or ask your sales representative.**

Maytag now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated Smart Cool 410™ (R-410A). The MSH4BF-KA Series of Maytag heat pumps offers exceptional performance as well as environmental protection. These models, when matched with our variable speed air handlers or variable speed equipped gas furnaces, offer a line of high quality heat pump systems rated up to 16 SEER and 9 HSPF.

### Features and Benefits

- **Smart Cool 410™ Refrigerant (R-410A)** – Earth friendly non-ozone depleting refrigerant.
- **Copeland Scroll Ultra Tech™ Compressor** – The Ultra Tech Compressor operates with 2 stages of heating and cooling capacities to provide superior comfort and efficiency. Copeland's proven and simple design equates to years of comfort and reliability for the homeowner with virtually silent operation.
- **Copper Tube / Aluminum Fin Coils** – Coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Composite Base Pan** – Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **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.
- **Low Pressure Control** – Loss of charge protection ensures long compressor life.
- **Liquid Line Filter / Drier** – Included with unit, field installed.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **Common Suction Service Port** – This port allows the contractor to read the suction pressure in all modes of operation without removing any panels, saving time and increasing serviceability.
- **Five Minute Restart Time Delay** – When the unit shuts down, a five minute delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Suction Accumulator and Crankcase Heat** – Protection from liquid flood back and future compressor failures.
- **Hot Gas Muffler** – Reduces compressor noise and vibration.
- **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.
- **Demand Defrost** – Provides additional energy savings in heating by defrosting only when necessary.

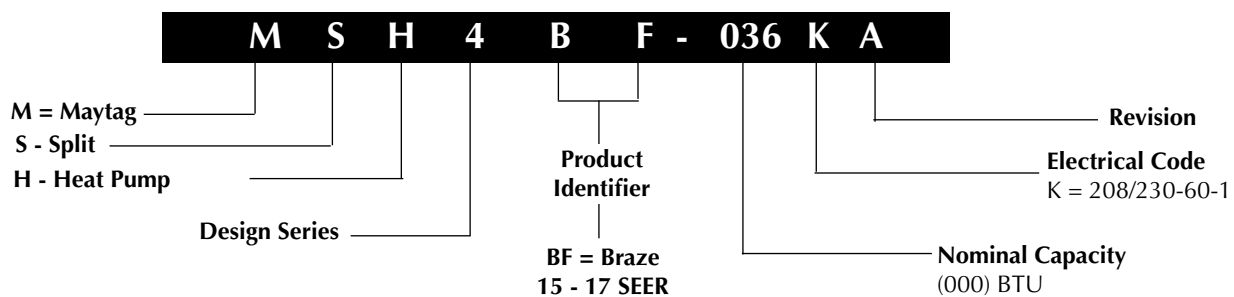


## DIMENSIONS/OUTDOOR SECTION

| MSH4BF | 024KA  | 036KA  | 048KA  | 060KA  |
|--------|--------|--------|--------|--------|
| H      | 45     | 45     | 45     | 45     |
| W      | 30 3/4 | 30 3/4 | 30 3/4 | 30 3/4 |
| D      | 30 3/4 | 30 3/4 | 30 3/4 | 30 3/4 |



## IDENTIFICATION CODE



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 16 SEER — Ultra High Efficiency — Single Phase

| Model Number MSH4BF                                                                  |                        |                 | 024KA        | 036KA        | 048KA        | 060KA        |
|--------------------------------------------------------------------------------------|------------------------|-----------------|--------------|--------------|--------------|--------------|
| Electrical Data                                                                      | Volts-Cycles-Phase (1) |                 | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 |
|                                                                                      | Total Amps             |                 | 13.2         | 17.9         | 24.0         | 25.9         |
|                                                                                      | Delay Fuse Max. (2)    |                 | 25           | 35           | 50           | 50           |
|                                                                                      | Min. Circuit Ampacity  |                 | 15.8         | 22.1         | 29.3         | 31.7         |
| Condenser Data                                                                       | Coil                   | Area            | 25.4         | 25.4         | 25.4         | 25.4         |
|                                                                                      |                        | Rows-FPI        | 1-20         | 2-18         | 2-18         | 2-18         |
|                                                                                      |                        | Tube Dia        | 3/8" O.D.    | 3/8" O.D.    | 3/8" O.D.    | 3/8" O.D.    |
|                                                                                      | Fan Motor              | Type            | BLDC         | PSC          | BLDC         | BLDC         |
|                                                                                      |                        | Speeds          | 1            | 2            | 2            | 2            |
|                                                                                      |                        | Amps            | 2.9          | 1.3          | 2.9          | 2.9          |
|                                                                                      |                        | Lo/Hi Spd Watts | 110          | 187/250      | 150/200      | 150/200      |
|                                                                                      |                        | HP              | 1/2          | 1/4          | 1/3          | 1/3          |
|                                                                                      | Fan Blade              | Dia-# Blades    | 24"- 2       | 24"- 2       | 24"- 2       | 24"- 2       |
|                                                                                      |                        | SCFM            | 3600         | 4000         | 4000         | 4000         |
|                                                                                      | Compressor Data        | RLA             | 10.3         | 16.6         | 21.1         | 23.0         |
|                                                                                      |                        | LRA             | 52           | 82           | 96           | 118          |
| Refrigerant suction line O.D.(all length of liquid line are 3/8" O.D.)               |                        | 0-24 ft.        | 3/4"         | 7/8" (4)     | 7/8"         | 7/8"         |
|                                                                                      |                        | 25-39 ft.       | 7/8"         | 1-1/8" (3)   | 1-1/8" (3)   | 1-1/8" (3)   |
|                                                                                      |                        | 40-75 ft.       | 7/8"         | 1-1/8" (3)   | 1-1/8" (3)   | 1-1/8" (3)   |
| Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' lineset. |                        |                 | 185          | 272          | 272          | 272          |
| Weight Approximate (lbs.)                                                            |                        | Net             | 253          | 277          | 277          | 301          |
|                                                                                      |                        | Ship            | 265          | 289          | 289          | 313          |

(1) Operating voltage range: 187V minimum - 253 V maximum

(2) HACR type circuit breakers may be used

(3) Requires 1-1/8 to 7/8" reducer from unit to lineset.

(4) Use of a 3/4" lineset will result in approximately 2% loss in capacity.

| COPPER WIRE SIZE — AWG<br>(1% Voltage Drop) |     |     |    |                            |
|---------------------------------------------|-----|-----|----|----------------------------|
| Supply Wire Length-Feet                     |     |     |    | Supply Circuit<br>Ampacity |
| 200                                         | 150 | 100 | 50 |                            |
| 6                                           | 8   | 10  | 14 | 15                         |
| 4                                           | 6   | 8   | 12 | 20                         |
| 4                                           | 6   | 8   | 10 | 25                         |
| 4                                           | 4   | 6   | 10 | 30                         |
| 3                                           | 4   | 6   | 8  | 35                         |
| 3                                           | 4   | 6   | 8  | 40                         |
| 2                                           | 3   | 4   | 6  | 45                         |
| 2                                           | 3   | 4   | 6  | 50                         |

Wire Size based on N.E.C. for 60° type copper conductors.

# SYSTEM HEATING & COOLING CAPACITIES

## 16 SEER — Ultra High Efficiency — Single Phase

| With this Coil                   |                               |                                  |                                   |      |      |                      |                       |                                  |                                   |      |
|----------------------------------|-------------------------------|----------------------------------|-----------------------------------|------|------|----------------------|-----------------------|----------------------------------|-----------------------------------|------|
| Outdoor Unit<br>Number<br>MSH4BF | Indoor Unit<br>Number C6BA/H- | Cooling                          |                                   |      |      | Indoor CFM           |                       | Heating                          |                                   |      |
|                                  |                               | Low Speed<br>Capacity<br>(Btu/h) | High Speed<br>Capacity<br>(Btu/h) | SEER | EER  | Low<br>Speed<br>SCFM | High<br>Speed<br>SCFM | Low Speed<br>Capacity<br>(Btu/h) | High Speed<br>Capacity<br>(Btu/h) | HSPF |
| 024KA                            | X26(C,U)-B+MB6VM              | 18000                            | 24000                             | 16   | 13.0 | 640                  | 850                   | 18000                            | 24000                             | 9.0  |
| 036KA                            | X36(C,U)-B+MB6VM              | 25000                            | 36000                             | 16   | 12.5 | 900                  | 1250                  | 24000                            | 36000                             | 9.0  |
| 036KA                            | X36(C,U)-C+MB6VM              | 25000                            | 36000                             | 16   | 12.5 | 900                  | 1250                  | 24000                            | 36000                             | 9.0  |
| 048KA                            | X48(C,U)-C+MB6VM              | 34000                            | 48000                             | 16   | 12.5 | 1140                 | 1700                  | 31000                            | 46000                             | 9.0  |
| 060KA                            | X60(C,U)-C+MB6VM              | 41000                            | 57000                             | 16   | 12.5 | 1200                 | 1800                  | 37000                            | 52500                             | 8.5  |

| With this Air Handler            |                                           |                                  |                                   |      |      |                      |                       |                                  |                                   |      |
|----------------------------------|-------------------------------------------|----------------------------------|-----------------------------------|------|------|----------------------|-----------------------|----------------------------------|-----------------------------------|------|
| Outdoor Unit<br>Number<br>MSH4BF | Indoor Unit<br>Number<br>PAH4VM-<br>B4VM- | Cooling                          |                                   |      |      | Indoor CFM           |                       | Heating                          |                                   |      |
|                                  |                                           | Low Speed<br>Capacity<br>(Btu/h) | High Speed<br>Capacity<br>(Btu/h) | SEER | EER  | Low<br>Speed<br>SCFM | High<br>Speed<br>SCFM | Low Speed<br>Capacity<br>(Btu/h) | High Speed<br>Capacity<br>(Btu/h) | HSPF |
| 024KA                            | X24KB                                     | 18000                            | 24000                             | 16   | 13.0 | 640                  | 850                   | 18000                            | 24000                             | 9.0  |
| 036KA                            | X36KB                                     | 25000                            | 36000                             | 16   | 12.5 | 900                  | 1250                  | 24000                            | 36000                             | 9.0  |
| 048KA                            | X48KC                                     | 34000                            | 48000                             | 16   | 12.5 | 1140                 | 1700                  | 31000                            | 46000                             | 9.0  |
| 060KA                            | X60KC                                     | 41000                            | 57000                             | 16   | 12.5 | 1200                 | 1800                  | 37000                            | 52500                             | 8.5  |

Air handlers and coils used in tables are designed and manufactured by NORDYNE.

See current AHRI Directory for certified combinations and ratings.  
[www.ahridirectory.org](http://www.ahridirectory.org)

## 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.

# 16 SEER COOLING EXPANDED RATINGS

MSH4BF024KA with C6B(A,H)-X26(C,U)-B + VSB - High Speed

MSH4BF024KA with PAH4VMX24KB - High Speed, or B4VM-X24K-B - High Speed

| ODT |        |        | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-----|--------|--------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM | 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. |
| 750 | 80     | 62     | 24.7 | 21.8 | 1.49 | 23.6 | 21.4 | 1.66 | 22.4 | 21.0 | 1.85 | 21.1  | 20.6 | 2.07 | 19.8  | 19.5 | 2.32 |
|     | 80     | 67     | 26.6 | 18.2 | 1.50 | 25.4 | 17.6 | 1.68 | 24.1 | 17.1 | 1.87 | 22.6  | 16.5 | 2.09 | 21.1  | 15.8 | 2.33 |
|     | 80     | 72     | 28.6 | 14.4 | 1.51 | 27.3 | 13.9 | 1.69 | 25.9 | 13.4 | 1.88 | 24.3  | 12.8 | 2.11 | 22.6  | 12.2 | 2.36 |
|     | 75     | 63     | 24.7 | 17.6 | 1.49 | 23.6 | 17.1 | 1.66 | 22.4 | 16.5 | 1.85 | 21.1  | 15.9 | 2.07 | 19.6  | 15.2 | 2.31 |
| 850 | 80     | 62     | 25.4 | 23.3 | 1.50 | 24.2 | 22.8 | 1.67 | 23.1 | 22.3 | 1.85 | 21.8  | 21.8 | 2.08 | 20.5  | 20.5 | 2.33 |
|     | 80     | 67     | 27.2 | 19.3 | 1.50 | 25.9 | 18.8 | 1.68 | 24.6 | 18.2 | 1.87 | 23.1  | 17.6 | 2.10 | 21.5  | 16.9 | 2.34 |
|     | 80     | 72     | 29.2 | 15.1 | 1.52 | 27.8 | 14.6 | 1.70 | 26.3 | 14.1 | 1.89 | 24.7  | 13.5 | 2.12 | 23.0  | 12.8 | 2.37 |
|     | 75     | 63     | 25.3 | 18.7 | 1.50 | 24.1 | 18.1 | 1.67 | 22.9 | 17.6 | 1.86 | 21.5  | 16.9 | 2.08 | 19.9  | 16.2 | 2.32 |
| 950 | 80     | 62     | 25.9 | 24.8 | 1.52 | 24.9 | 24.1 | 1.67 | 23.8 | 23.4 | 1.86 | 22.5  | 22.5 | 2.09 | 21.1  | 21.1 | 2.34 |
|     | 80     | 67     | 27.7 | 20.5 | 1.51 | 26.3 | 19.9 | 1.68 | 25.0 | 19.3 | 1.87 | 23.4  | 18.7 | 2.10 | 21.8  | 17.9 | 2.35 |
|     | 80     | 72     | 29.7 | 15.8 | 1.53 | 28.2 | 15.3 | 1.70 | 26.7 | 14.7 | 1.89 | 25.0  | 14.1 | 2.12 | 23.2  | 13.4 | 2.37 |
|     | 75     | 63     | 25.8 | 19.7 | 1.51 | 24.5 | 19.2 | 1.67 | 23.2 | 18.6 | 1.86 | 21.8  | 17.9 | 2.08 | 20.3  | 17.2 | 2.32 |

MSH4BF024KA with C6B(A,H)-X26(C,U)-B + VSB - Low Speed

MSH4BF024KA with PAH4VMX24KB - Low Speed, or B4VM-X24K-B - Low Speed

| ODT |        |        | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-----|--------|--------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM | 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. |
| 540 | 80     | 62     | 18.2 | 16.1 | 1.04 | 17.4 | 15.8 | 1.16 | 16.5 | 15.5 | 1.32 | 15.5  | 15.2 | 1.50 | 14.5  | 14.3 | 1.70 |
|     | 80     | 67     | 19.8 | 13.5 | 1.04 | 18.9 | 13.1 | 1.16 | 17.8 | 12.6 | 1.32 | 16.7  | 12.2 | 1.50 | 15.5  | 11.7 | 1.69 |
|     | 80     | 72     | 21.5 | 10.7 | 1.03 | 20.5 | 10.4 | 1.16 | 19.3 | 9.9  | 1.32 | 18.1  | 9.5  | 1.49 | 16.7  | 9.0  | 1.69 |
|     | 75     | 63     | 18.3 | 13.0 | 1.04 | 17.5 | 12.6 | 1.16 | 16.5 | 12.2 | 1.33 | 15.5  | 11.7 | 1.50 | 14.3  | 11.2 | 1.70 |
| 640 | 80     | 62     | 19.0 | 17.7 | 1.04 | 18.1 | 17.3 | 1.16 | 17.2 | 16.7 | 1.32 | 16.3  | 16.3 | 1.50 | 15.3  | 15.2 | 1.69 |
|     | 80     | 67     | 20.4 | 14.7 | 1.04 | 19.5 | 14.3 | 1.16 | 18.4 | 13.8 | 1.32 | 17.2  | 13.3 | 1.50 | 15.9  | 12.8 | 1.69 |
|     | 80     | 72     | 22.1 | 11.5 | 1.04 | 21.1 | 11.1 | 1.16 | 19.8 | 10.6 | 1.32 | 18.5  | 10.1 | 1.50 | 17.2  | 9.6  | 1.69 |
|     | 75     | 63     | 18.9 | 14.1 | 1.04 | 18.0 | 13.7 | 1.16 | 17.0 | 13.3 | 1.32 | 15.9  | 12.8 | 1.50 | 14.7  | 12.2 | 1.70 |
| 740 | 80     | 62     | 19.7 | 18.8 | 1.05 | 18.9 | 18.3 | 1.16 | 18.0 | 17.7 | 1.32 | 17.0  | 16.9 | 1.50 | 15.9  | 15.8 | 1.69 |
|     | 80     | 67     | 21.0 | 15.9 | 1.04 | 19.9 | 15.5 | 1.16 | 18.8 | 15.0 | 1.32 | 17.6  | 14.5 | 1.50 | 16.3  | 13.9 | 1.69 |
|     | 80     | 72     | 22.6 | 12.1 | 1.04 | 21.5 | 11.8 | 1.16 | 20.2 | 11.3 | 1.32 | 18.9  | 10.7 | 1.50 | 17.4  | 10.2 | 1.69 |
|     | 75     | 63     | 19.4 | 15.2 | 1.05 | 18.5 | 14.8 | 1.16 | 17.4 | 14.3 | 1.32 | 16.2  | 13.8 | 1.50 | 15.0  | 13.2 | 1.70 |

MSH4BF036KA with C6B(A,H)-X36(C,U)-(B,C) + VSB - High Speed

MSH4BF036KA with PAH4VMX36KB - High Speed, or B4VM-X36K-B - High Speed

| O.D.T |        |        | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | 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. |
| 1150  | 80     | 62     | 36.6 | 32.9 | 2.36 | 34.9 | 32.2 | 2.62 | 33.3 | 31.7 | 2.86 | 31.6  | 31.1 | 3.15 | 29.8  | 29.4 | 3.48 |
|       | 80     | 67     | 39.5 | 27.4 | 2.37 | 37.6 | 26.7 | 2.65 | 35.8 | 26.0 | 2.88 | 33.8  | 25.2 | 3.17 | 31.6  | 24.3 | 3.50 |
|       | 80     | 72     | 42.6 | 21.7 | 2.39 | 40.6 | 20.9 | 2.67 | 38.7 | 20.3 | 2.91 | 36.5  | 19.5 | 3.20 | 34.2  | 18.7 | 3.52 |
|       | 75     | 63     | 36.7 | 26.6 | 2.36 | 35.0 | 25.8 | 2.63 | 33.4 | 25.1 | 2.87 | 31.5  | 24.3 | 3.15 | 29.5  | 23.4 | 3.48 |
| 1250  | 80     | 62     | 37.3 | 34.3 | 2.36 | 35.6 | 33.6 | 2.63 | 34.0 | 32.9 | 2.87 | 32.3  | 32.3 | 3.16 | 30.5  | 30.5 | 3.49 |
|       | 80     | 67     | 40.0 | 28.6 | 2.37 | 38.1 | 27.9 | 2.65 | 36.3 | 27.2 | 2.89 | 34.3  | 26.4 | 3.18 | 32.0  | 25.5 | 3.50 |
|       | 80     | 72     | 43.2 | 22.4 | 2.40 | 41.1 | 21.7 | 2.68 | 39.1 | 21.0 | 2.91 | 37.0  | 20.2 | 3.20 | 34.5  | 19.4 | 3.53 |
|       | 75     | 63     | 37.3 | 27.7 | 2.37 | 35.5 | 26.9 | 2.63 | 33.8 | 26.2 | 2.87 | 31.9  | 25.4 | 3.16 | 29.8  | 24.5 | 3.49 |
| 1350  | 80     | 62     | 37.7 | 36.0 | 2.39 | 36.2 | 35.1 | 2.63 | 34.7 | 34.2 | 2.87 | 33.0  | 33.0 | 3.17 | 31.2  | 31.1 | 3.49 |
|       | 80     | 67     | 40.5 | 29.8 | 2.39 | 38.5 | 29.0 | 2.65 | 36.7 | 28.3 | 2.89 | 34.6  | 27.5 | 3.18 | 32.4  | 26.6 | 3.51 |
|       | 80     | 72     | 43.7 | 23.2 | 2.41 | 41.5 | 22.4 | 2.68 | 39.5 | 21.7 | 2.92 | 37.3  | 21.0 | 3.21 | 34.8  | 20.1 | 3.52 |
|       | 75     | 63     | 37.8 | 28.8 | 2.38 | 36.0 | 28.0 | 2.64 | 34.2 | 27.3 | 2.87 | 32.3  | 26.4 | 3.16 | 30.2  | 25.5 | 3.49 |

MSH4BF036KA with C6B(A,H)-X36(C,U)-(B,C) + VSB - Low Speed

MSH4BF036KA with PAH4VMX36KB - Low Speed, or B4VM-X36K-B - Low Speed

| O.D.T |        |        | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | 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. |
| 800   | 80     | 62     | 25.4 | 23.3 | 1.47 | 24.3 | 22.8 | 1.64 | 23.2 | 22.4 | 1.83 | 22.0  | 21.7 | 2.06 | 20.7  | 20.4 | 2.33 |
|       | 80     | 67     | 27.6 | 19.4 | 1.44 | 26.3 | 18.9 | 1.61 | 25.0 | 18.4 | 1.81 | 23.6  | 17.8 | 2.04 | 21.9  | 17.2 | 2.30 |
|       | 80     | 72     | 30.1 | 15.3 | 1.41 | 28.8 | 14.8 | 1.58 | 27.3 | 14.3 | 1.77 | 25.6  | 13.8 | 2.00 | 23.9  | 13.2 | 2.26 |
|       | 75     | 63     | 25.6 | 18.8 | 1.47 | 24.4 | 18.2 | 1.64 | 23.2 | 17.7 | 1.83 | 21.9  | 17.1 | 2.06 | 20.3  | 16.5 | 2.33 |
| 900   | 80     | 62     | 26.3 | 24.5 | 1.47 | 25.0 | 24.0 | 1.63 | 24.0 | 23.3 | 1.82 | 22.8  | 22.8 | 2.05 | 21.5  | 21.4 | 2.30 |
|       | 80     | 67     | 28.1 | 20.7 | 1.44 | 26.8 | 20.1 | 1.60 | 25.5 | 19.6 | 1.80 | 24.0  | 19.1 | 2.03 | 22.3  | 18.4 | 2.29 |
|       | 80     | 72     | 30.6 | 16.1 | 1.41 | 29.1 | 15.6 | 1.57 | 27.7 | 15.1 | 1.77 | 26.1  | 14.5 | 2.00 | 24.2  | 13.9 | 2.26 |
|       | 75     | 63     | 26.1 | 20.0 | 1.47 | 24.9 | 19.4 | 1.63 | 23.7 | 18.9 | 1.83 | 22.3  | 18.3 | 2.06 | 20.7  | 17.6 | 2.32 |
| 1000  | 80     | 62     | 26.9 | 25.7 | 1.47 | 25.8 | 25.1 | 1.62 | 24.8 | 24.4 | 1.81 | 23.5  | 23.5 | 2.04 | 22.1  | 22.1 | 2.30 |
|       | 80     | 67     | 28.7 | 22.0 | 1.43 | 27.2 | 21.4 | 1.59 | 25.9 | 20.9 | 1.80 | 24.4  | 20.3 | 2.02 | 22.7  | 19.6 | 2.29 |
|       | 80     | 72     | 31.1 | 16.9 | 1.40 | 29.5 | 16.3 | 1.56 | 28.1 | 15.8 | 1.76 | 26.4  | 15.3 | 1.99 | 24.6  | 14.6 | 2.25 |
|       | 75     | 63     | 26.6 | 21.1 | 1.47 | 25.3 | 20.5 | 1.63 | 24.1 | 20.0 | 1.82 | 22.6  | 19.4 | 2.05 | 21.0  | 18.7 | 2.32 |



# 16 SEER COOLING EXPANDED RATINGS (Continued)

MSH4BF048KA with C6B(A,H)-X48(C,U)-C + VSB - High Speed

MSH4BF048KA with PAH4VMX48KC - High Speed, or B4VM-X48K-C - High Speed

| O.D.T |        |        | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | 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. |
| 1600  | 80     | 62     | 48.9 | 43.9 | 3.13 | 46.7 | 43.0 | 3.48 | 44.6 | 42.3 | 3.80 | 42.3  | 41.3 | 4.18 | 39.8  | 39.2 | 4.62 |
|       | 80     | 67     | 52.4 | 36.6 | 3.15 | 49.9 | 35.6 | 3.52 | 47.7 | 34.6 | 3.83 | 45.0  | 33.5 | 4.22 | 42.1  | 32.3 | 4.65 |
|       | 80     | 72     | 56.3 | 28.9 | 3.17 | 53.7 | 28.0 | 3.55 | 51.1 | 27.0 | 3.86 | 48.3  | 26.0 | 4.26 | 45.1  | 24.8 | 4.70 |
|       | 75     | 63     | 48.9 | 35.5 | 3.13 | 46.7 | 34.4 | 3.49 | 44.5 | 33.4 | 3.80 | 42.0  | 32.3 | 4.18 | 39.2  | 31.1 | 4.62 |
| 1700  | 80     | 62     | 49.6 | 45.2 | 3.13 | 47.3 | 44.3 | 3.48 | 45.2 | 43.4 | 3.80 | 42.9  | 42.8 | 4.19 | 40.4  | 40.4 | 4.63 |
|       | 80     | 67     | 52.9 | 37.8 | 3.15 | 50.4 | 36.7 | 3.52 | 48.1 | 35.7 | 3.83 | 45.4  | 34.6 | 4.22 | 42.4  | 33.3 | 4.66 |
|       | 80     | 72     | 56.8 | 29.6 | 3.18 | 54.1 | 28.6 | 3.55 | 51.6 | 27.7 | 3.87 | 48.7  | 26.7 | 4.26 | 45.4  | 25.5 | 4.70 |
|       | 75     | 63     | 49.5 | 36.5 | 3.14 | 47.1 | 35.5 | 3.49 | 44.9 | 34.5 | 3.80 | 42.4  | 33.3 | 4.19 | 39.5  | 32.0 | 4.63 |
| 1800  | 80     | 62     | 49.9 | 47.1 | 3.18 | 47.9 | 45.9 | 3.50 | 45.7 | 45.1 | 3.81 | 43.5  | 43.5 | 4.20 | 41.0  | 41.0 | 4.64 |
|       | 80     | 67     | 53.5 | 38.9 | 3.17 | 50.9 | 37.8 | 3.52 | 48.5 | 36.8 | 3.84 | 45.8  | 35.7 | 4.23 | 42.7  | 34.4 | 4.66 |
|       | 80     | 72     | 57.4 | 30.3 | 3.19 | 54.5 | 29.3 | 3.56 | 51.9 | 28.4 | 3.87 | 49.0  | 27.3 | 4.26 | 45.7  | 26.1 | 4.71 |
|       | 75     | 63     | 50.0 | 37.5 | 3.16 | 47.5 | 36.5 | 3.50 | 45.3 | 35.5 | 3.81 | 42.7  | 34.3 | 4.19 | 39.9  | 33.0 | 4.63 |

MSH4BF048KA with C6B(A,H)-X48(C,U)-C + VSB - Low Speed

MSH4BF048KA with PAH4VMX48KC - Low Speed, or B4VM-X48K-C - Low Speed

| O.D.T |        |        | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | 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. |
| 1040  | 80     | 62     | 35.2 | 31.2 | 1.96 | 33.6 | 30.6 | 2.19 | 32.0 | 30.2 | 2.48 | 30.3  | 29.6 | 2.80 | 28.5  | 28.0 | 3.18 |
|       | 80     | 67     | 38.1 | 26.1 | 1.93 | 36.3 | 25.3 | 2.16 | 34.6 | 24.7 | 2.45 | 32.7  | 23.9 | 2.78 | 30.4  | 23.0 | 3.15 |
|       | 80     | 72     | 41.3 | 20.7 | 1.89 | 39.4 | 20.0 | 2.12 | 37.4 | 19.3 | 2.41 | 35.3  | 18.6 | 2.74 | 33.0  | 17.8 | 3.11 |
|       | 75     | 63     | 35.4 | 25.2 | 1.96 | 33.7 | 24.5 | 2.18 | 32.2 | 23.8 | 2.48 | 30.3  | 23.0 | 2.81 | 28.2  | 22.1 | 3.18 |
| 1140  | 80     | 62     | 35.9 | 32.8 | 1.96 | 34.2 | 32.2 | 2.18 | 32.7 | 31.6 | 2.47 | 31.1  | 31.1 | 2.79 | 29.3  | 29.2 | 3.17 |
|       | 80     | 67     | 38.7 | 27.3 | 1.93 | 36.8 | 26.6 | 2.15 | 35.1 | 25.9 | 2.44 | 33.1  | 25.1 | 2.77 | 30.8  | 24.2 | 3.14 |
|       | 80     | 72     | 41.8 | 21.4 | 1.89 | 39.8 | 20.7 | 2.12 | 37.9 | 20.1 | 2.40 | 35.8  | 19.3 | 2.73 | 33.4  | 18.5 | 3.10 |
|       | 75     | 63     | 36.0 | 26.4 | 1.96 | 34.3 | 25.7 | 2.18 | 32.7 | 25.0 | 2.47 | 30.8  | 24.2 | 2.80 | 28.6  | 23.2 | 3.18 |
| 1240  | 80     | 62     | 36.4 | 34.7 | 1.97 | 34.9 | 33.9 | 2.17 | 33.5 | 33.0 | 2.46 | 31.8  | 31.8 | 2.78 | 29.9  | 29.9 | 3.16 |
|       | 80     | 67     | 39.2 | 28.5 | 1.93 | 37.3 | 27.8 | 2.15 | 35.6 | 27.1 | 2.43 | 33.5  | 26.3 | 2.76 | 31.2  | 25.4 | 3.14 |
|       | 80     | 72     | 42.4 | 22.2 | 1.89 | 40.3 | 21.5 | 2.11 | 38.4 | 20.8 | 2.40 | 36.2  | 20.1 | 2.73 | 33.7  | 19.2 | 3.10 |
|       | 75     | 63     | 36.5 | 27.6 | 1.96 | 34.8 | 26.8 | 2.17 | 33.1 | 26.1 | 2.46 | 31.2  | 25.3 | 2.79 | 29.0  | 24.3 | 3.17 |

MSH4BF060KA with C6B(A,H)-X60(C,U)-(C,D) + VSB - High Speed

MSH4BF060KA with PAH4VMX60KC - High Speed, or B4VM-X60K-C - High Speed

| O.D.T |        |        | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | 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. |
| 1700  | 80     | 62     | 57.9 | 50.1 | 3.67 | 55.2 | 49.2 | 4.09 | 52.5 | 48.4 | 4.50 | 49.5  | 47.5 | 4.98 | 46.3  | 45.6 | 5.52 |
|       | 80     | 67     | 62.5 | 42.1 | 3.70 | 59.5 | 40.9 | 4.14 | 56.5 | 39.7 | 4.55 | 53.2  | 38.4 | 5.03 | 49.5  | 36.9 | 5.57 |
|       | 80     | 72     | 67.9 | 33.4 | 3.76 | 64.7 | 32.3 | 4.21 | 61.4 | 31.2 | 4.62 | 57.6  | 30.0 | 5.10 | 53.4  | 28.7 | 5.64 |
|       | 75     | 63     | 58.3 | 40.9 | 3.68 | 55.6 | 39.7 | 4.10 | 52.9 | 38.5 | 4.51 | 49.7  | 37.1 | 4.98 | 46.3  | 35.7 | 5.53 |
| 1800  | 80     | 62     | 58.5 | 51.7 | 3.68 | 55.8 | 50.7 | 4.09 | 53.1 | 49.8 | 4.51 | 50.1  | 49.5 | 4.98 | 47.0  | 46.9 | 5.53 |
|       | 80     | 67     | 63.1 | 43.3 | 3.71 | 60.1 | 42.1 | 4.15 | 57.0 | 40.9 | 4.56 | 53.7  | 39.6 | 5.04 | 49.9  | 38.1 | 5.59 |
|       | 80     | 72     | 68.5 | 34.2 | 3.77 | 65.2 | 33.1 | 4.21 | 61.7 | 32.0 | 4.63 | 57.9  | 30.8 | 5.10 | 53.7  | 29.4 | 5.64 |
|       | 75     | 63     | 59.0 | 42.0 | 3.69 | 56.3 | 40.8 | 4.10 | 53.4 | 39.6 | 4.52 | 50.2  | 38.2 | 4.99 | 46.7  | 36.7 | 5.53 |
| 1900  | 80     | 62     | 58.8 | 54.1 | 3.73 | 56.5 | 52.7 | 4.10 | 53.7 | 52.0 | 4.52 | 50.7  | 50.6 | 4.99 | 47.7  | 47.6 | 5.54 |
|       | 80     | 67     | 63.7 | 44.5 | 3.74 | 60.6 | 43.3 | 4.15 | 57.5 | 42.1 | 4.57 | 54.1  | 40.7 | 5.04 | 50.3  | 39.2 | 5.59 |
|       | 80     | 72     | 69.0 | 35.0 | 3.79 | 65.5 | 33.9 | 4.22 | 62.0 | 32.8 | 4.63 | 58.2  | 31.5 | 5.10 | 54.1  | 30.1 | 5.65 |
|       | 75     | 63     | 59.6 | 43.1 | 3.71 | 56.7 | 41.9 | 4.11 | 53.8 | 40.7 | 4.52 | 50.6  | 39.3 | 5.00 | 47.0  | 37.8 | 5.54 |

MSH4BF060KA with C6B(A,H)-X60(C,U)-(C,D) + VSB - Low Speed

MSH4BF060KA with PAH4VMX60KC - Low Speed, or B4VM-X60K-C - Low Speed

| O.D.T |        |        | 75°F |      |      | 85°F |      |      | 95°F |      |      | 105°F |      |      | 115°F |      |      |
|-------|--------|--------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|------|------|
| CFM   | 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. |
| 1100  | 80     | 62     | 41.2 | 34.7 | 2.43 | 39.3 | 34.1 | 2.71 | 37.4 | 33.6 | 3.06 | 35.2  | 33.0 | 3.47 | 32.7  | 31.8 | 3.92 |
|       | 80     | 67     | 44.9 | 29.4 | 2.42 | 42.8 | 28.6 | 2.70 | 40.6 | 27.7 | 3.06 | 38.2  | 26.7 | 3.46 | 35.5  | 25.6 | 3.92 |
|       | 80     | 72     | 49.2 | 23.5 | 2.41 | 47.0 | 22.7 | 2.70 | 44.6 | 21.9 | 3.06 | 41.9  | 21.0 | 3.46 | 38.8  | 20.0 | 3.91 |
|       | 75     | 63     | 41.7 | 28.5 | 2.43 | 39.8 | 27.7 | 2.71 | 37.8 | 26.8 | 3.07 | 35.5  | 25.8 | 3.47 | 32.9  | 24.7 | 3.92 |
| 1200  | 80     | 62     | 42.0 | 36.5 | 2.43 | 40.1 | 35.8 | 2.71 | 38.1 | 35.3 | 3.06 | 35.9  | 35.2 | 3.47 | 33.5  | 33.5 | 3.92 |
|       | 80     | 67     | 45.6 | 30.6 | 2.42 | 43.5 | 29.8 | 2.70 | 41.2 | 28.9 | 3.06 | 38.8  | 28.0 | 3.46 | 36.0  | 26.9 | 3.92 |
|       | 80     | 72     | 49.9 | 24.4 | 2.41 | 47.5 | 23.6 | 2.70 | 45.1 | 22.8 | 3.06 | 42.3  | 21.9 | 3.46 | 39.1  | 20.9 | 3.91 |
|       | 75     | 63     | 42.5 | 29.7 | 2.43 | 40.5 | 28.9 | 2.71 | 38.4 | 28.0 | 3.06 | 36.1  | 27.0 | 3.47 | 33.4  | 25.9 | 3.92 |
| 1300  | 80     | 62     | 42.4 | 38.9 | 2.46 | 40.8 | 37.9 | 2.70 | 38.8 | 37.4 | 3.06 | 36.6  | 36.5 | 3.47 | 34.3  | 34.3 | 3.92 |
|       | 80     | 67     | 46.4 | 31.9 | 2.43 | 44.1 | 31.1 | 2.70 | 41.8 | 30.2 | 3.06 | 39.3  | 29.2 | 3.46 | 36.4  | 28.1 | 3.91 |
|       | 80     | 72     | 50.6 | 25.2 | 2.42 | 48.1 | 24.4 | 2.69 | 45.5 | 23.6 | 3.06 | 42.6  | 22.7 | 3.46 | 39.5  | 21.6 | 3.91 |
|       | 75     | 63     | 43.2 | 30.9 | 2.44 | 41.1 | 30.1 | 2.70 | 38.9 | 29.2 | 3.06 | 36.6  | 28.2 | 3.47 | 33.9  | 27.0 | 3.92 |

# 16 SEER HEATING EXPANDED RATINGS

MSH4BF024KA with C6B(A,H)-X26(C,U)-B + VSB - High Speed

MSH4BF024KA with PAH4VMX24KB - High Speed, or B4VM-X24K-B - High Speed

|     |                    | OUTDOOR TEMPERATURE (Deg. F) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----|--------------------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CFM | Indoor T.<br>Deg.F | 10                           |      |      | 17   |      |      | 20   |      |      | 30   |      |      | 40   |      |      | 47   |      |      | 50   |      |      | 60   |      |      |
|     |                    | MBH                          | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   |
| 750 | 60                 | 12.7                         | 2.36 | 1.58 | 15.1 | 2.78 | 1.59 | 16.1 | 2.96 | 1.60 | 19.5 | 3.55 | 1.61 | 22.8 | 4.13 | 1.62 | 25.2 | 4.53 | 1.63 | 26.2 | 4.70 | 1.63 | 29.5 | 5.26 | 1.64 |
|     | 70                 | 12.2                         | 2.32 | 1.54 | 14.4 | 2.69 | 1.56 | 15.3 | 2.85 | 1.57 | 18.4 | 3.36 | 1.61 | 21.5 | 3.85 | 1.64 | 23.7 | 4.18 | 1.66 | 24.6 | 4.32 | 1.67 | 27.8 | 4.78 | 1.70 |
|     | 80                 | 11.6                         | 2.24 | 1.52 | 13.6 | 2.58 | 1.55 | 14.5 | 2.72 | 1.56 | 17.3 | 3.18 | 1.60 | 20.2 | 3.62 | 1.64 | 22.2 | 3.92 | 1.66 | 23.1 | 4.04 | 1.68 | 26.0 | 4.44 | 1.71 |
| 850 | 60                 | 12.8                         | 2.31 | 1.63 | 15.2 | 2.73 | 1.63 | 16.2 | 2.91 | 1.64 | 19.6 | 3.50 | 1.65 | 23.0 | 4.08 | 1.66 | 25.4 | 4.48 | 1.66 | 26.5 | 4.66 | 1.67 | 29.9 | 5.22 | 1.68 |
|     | 70                 | 12.3                         | 2.27 | 1.59 | 14.5 | 2.64 | 1.61 | 15.5 | 2.80 | 1.62 | 18.6 | 3.31 | 1.65 | 21.8 | 3.80 | 1.68 | 24.0 | 4.14 | 1.70 | 25.0 | 4.28 | 1.71 | 28.1 | 4.74 | 1.74 |
|     | 80                 | 11.7                         | 2.20 | 1.56 | 13.8 | 2.54 | 1.59 | 14.6 | 2.68 | 1.60 | 17.6 | 3.14 | 1.64 | 20.5 | 3.58 | 1.68 | 22.6 | 3.87 | 1.71 | 23.5 | 3.99 | 1.73 | 26.4 | 4.38 | 1.77 |
| 950 | 60                 | 12.9                         | 2.27 | 1.67 | 15.3 | 2.69 | 1.67 | 16.4 | 2.87 | 1.68 | 19.8 | 3.46 | 1.68 | 23.3 | 4.04 | 1.69 | 25.7 | 4.45 | 1.69 | 26.7 | 4.63 | 1.69 | 30.2 | 5.20 | 1.70 |
|     | 70                 | 12.4                         | 2.24 | 1.63 | 14.6 | 2.61 | 1.65 | 15.6 | 2.77 | 1.65 | 18.8 | 3.28 | 1.68 | 22.0 | 3.77 | 1.71 | 24.3 | 4.11 | 1.73 | 25.3 | 4.25 | 1.74 | 28.5 | 4.71 | 1.77 |
|     | 80                 | 11.8                         | 2.17 | 1.60 | 13.9 | 2.51 | 1.63 | 14.8 | 2.64 | 1.64 | 17.7 | 3.09 | 1.68 | 20.7 | 3.52 | 1.73 | 22.8 | 3.80 | 1.76 | 23.7 | 3.92 | 1.77 | 26.6 | 4.31 | 1.81 |

MSH4BF024KA with C6B(A,H)-X26(C,U)-B + VSB - Low Speed

MSH4BF024KA with PAH4VMX24KB - Low Speed, or B4VM-X24K-B - Low Speed

|     |                    | OUTDOOR TEMPERATURE (Deg. F) |      |      |     |      |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----|--------------------|------------------------------|------|------|-----|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CFM | Indoor T.<br>Deg.F | 10                           |      |      | 17  |      |      | 20  |      |      | 30   |      |      | 40   |      |      | 47   |      |      | 50   |      |      | 60   |      |      |
|     |                    | MBH                          | COP  | kW   | MBH | COP  | kW   | MBH | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   |
| 540 | 60                 | 6.0                          | 1.71 | 1.04 | 8.5 | 2.28 | 1.09 | 9.6 | 2.51 | 1.12 | 13.1 | 3.19 | 1.21 | 16.7 | 3.79 | 1.29 | 19.2 | 4.16 | 1.35 | 20.2 | 4.31 | 1.38 | 23.8 | 4.77 | 1.46 |
|     | 70                 | 5.6                          | 1.79 | 0.91 | 7.9 | 2.32 | 1.00 | 8.9 | 2.52 | 1.03 | 12.1 | 3.09 | 1.15 | 15.4 | 3.55 | 1.27 | 17.7 | 3.83 | 1.36 | 18.7 | 3.94 | 1.39 | 22.0 | 4.26 | 1.51 |
|     | 80                 | 4.9                          | 1.80 | 0.81 | 7.1 | 2.30 | 0.90 | 8.0 | 2.48 | 0.95 | 11.0 | 2.98 | 1.09 | 14.1 | 3.36 | 1.23 | 16.2 | 3.59 | 1.32 | 17.1 | 3.67 | 1.37 | 20.2 | 3.92 | 1.51 |
| 640 | 60                 | 6.1                          | 1.65 | 1.08 | 8.6 | 2.21 | 1.14 | 9.7 | 2.44 | 1.16 | 13.3 | 3.12 | 1.25 | 16.9 | 3.73 | 1.33 | 19.4 | 4.10 | 1.39 | 20.5 | 4.26 | 1.41 | 24.1 | 4.73 | 1.50 |
|     | 70                 | 5.7                          | 1.72 | 0.97 | 8.0 | 2.23 | 1.05 | 9.0 | 2.43 | 1.09 | 12.3 | 3.01 | 1.20 | 15.7 | 3.48 | 1.32 | 18.0 | 3.77 | 1.40 | 19.0 | 3.88 | 1.44 | 22.3 | 4.22 | 1.55 |
|     | 80                 | 5.1                          | 1.75 | 0.85 | 7.3 | 2.24 | 0.95 | 8.2 | 2.42 | 0.99 | 11.3 | 2.91 | 1.14 | 14.4 | 3.29 | 1.28 | 16.6 | 3.51 | 1.38 | 17.5 | 3.60 | 1.43 | 20.6 | 3.85 | 1.57 |
| 740 | 60                 | 6.3                          | 1.63 | 1.13 | 8.8 | 2.18 | 1.19 | 9.9 | 2.40 | 1.21 | 13.5 | 3.08 | 1.29 | 17.1 | 3.68 | 1.36 | 19.7 | 4.07 | 1.42 | 20.7 | 4.22 | 1.44 | 24.4 | 4.71 | 1.52 |
|     | 70                 | 5.8                          | 1.67 | 1.01 | 8.1 | 2.19 | 1.09 | 9.1 | 2.38 | 1.12 | 12.5 | 2.96 | 1.24 | 15.9 | 3.44 | 1.36 | 18.3 | 3.73 | 1.44 | 19.3 | 3.85 | 1.47 | 22.7 | 4.19 | 1.59 |
|     | 80                 | 5.2                          | 1.70 | 0.90 | 7.4 | 2.17 | 1.00 | 8.3 | 2.34 | 1.04 | 11.4 | 2.83 | 1.19 | 14.6 | 3.21 | 1.33 | 16.7 | 3.43 | 1.43 | 17.7 | 3.51 | 1.48 | 20.8 | 3.77 | 1.62 |

MSH4BF036KA with C6B(A,H)-X36(C,U)-(B,C) + VSB - High Speed

MSH4BF036KA with PAH4VMX36KB - High Speed, or B4VM-X36K-B - High Speed

|      |                    | OUTDOOR TEMPERATURE (Deg. F) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|--------------------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CFM  | Indoor T.<br>Deg.F | 10                           |      |      | 17   |      |      | 20   |      |      | 30   |      |      | 40   |      |      | 47   |      |      | 50   |      |      | 60   |      |      |
|      |                    | MBH                          | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   |
| 1150 | 60                 | 19.8                         | 2.60 | 2.24 | 23.1 | 2.91 | 2.32 | 24.5 | 3.04 | 2.36 | 29.2 | 3.44 | 2.49 | 33.9 | 3.80 | 2.61 | 37.1 | 4.03 | 2.70 | 38.5 | 4.13 | 2.74 | 43.2 | 4.43 | 2.86 |
|      | 70                 | 19.1                         | 2.44 | 2.30 | 22.2 | 2.72 | 2.40 | 23.6 | 2.83 | 2.44 | 28.1 | 3.18 | 2.58 | 32.6 | 3.50 | 2.73 | 35.7 | 3.70 | 2.83 | 37.0 | 3.78 | 2.87 | 41.5 | 4.03 | 3.02 |
|      | 80                 | 18.5                         | 2.29 | 2.38 | 21.5 | 2.54 | 2.49 | 22.8 | 2.64 | 2.53 | 27.1 | 2.95 | 2.69 | 31.3 | 3.22 | 2.85 | 34.3 | 3.40 | 2.96 | 35.6 | 3.47 | 3.01 | 39.8 | 3.69 | 3.17 |
| 1250 | 60                 | 19.9                         | 2.57 | 2.27 | 23.2 | 2.89 | 2.36 | 24.6 | 3.02 | 2.39 | 29.4 | 3.43 | 2.51 | 34.1 | 3.80 | 2.63 | 37.5 | 4.04 | 2.72 | 38.9 | 4.14 | 2.76 | 43.6 | 4.45 | 2.88 |
|      | 70                 | 19.2                         | 2.42 | 2.33 | 22.4 | 2.70 | 2.43 | 23.8 | 2.82 | 2.47 | 28.3 | 3.18 | 2.61 | 32.8 | 3.50 | 2.75 | 36.0 | 3.70 | 2.85 | 37.4 | 3.79 | 2.89 | 41.9 | 4.05 | 3.03 |
|      | 80                 | 18.6                         | 2.27 | 2.41 | 21.7 | 2.52 | 2.52 | 22.9 | 2.63 | 2.56 | 27.3 | 2.94 | 2.72 | 31.6 | 3.22 | 2.87 | 34.6 | 3.41 | 2.98 | 35.9 | 3.48 | 3.03 | 40.2 | 3.71 | 3.18 |
| 1350 | 60                 | 19.9                         | 2.53 | 2.30 | 23.3 | 2.86 | 2.39 | 24.7 | 2.99 | 2.42 | 29.5 | 3.41 | 2.54 | 34.4 | 3.79 | 2.66 | 37.7 | 4.03 | 2.74 | 39.2 | 4.13 | 2.78 | 44.0 | 4.45 | 2.90 |
|      | 70                 | 19.4                         | 2.40 | 2.36 | 22.6 | 2.69 | 2.46 | 23.9 | 2.81 | 2.50 | 28.5 | 3.17 | 2.64 | 33.1 | 3.50 | 2.77 | 36.3 | 3.71 | 2.87 | 37.7 | 3.79 | 2.91 | 42.2 | 4.06 | 3.05 |
|      | 80                 | 18.8                         | 2.25 | 2.44 | 21.8 | 2.51 | 2.55 | 23.1 | 2.61 | 2.59 | 27.5 | 2.93 | 2.74 | 31.8 | 3.22 | 2.90 | 34.8 | 3.40 | 3.00 | 36.1 | 3.48 | 3.05 | 40.5 | 3.71 | 3.20 |

MSH4BF036KA with C6B(A,H)-X36(C,U)-(B,C) + VSB - Low Speed

MSH4BF036KA with PAH4VMX36KB - Low Speed, or B4VM-X36K-B - Low Speed

|      |                    | OUTDOOR TEMPERATURE (Deg. F) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|--------------------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CFM  | Indoor T.<br>Deg.F | 10                           |      |      | 17   |      |      | 20   |      |      | 30   |      |      | 40   |      |      | 47   |      |      | 50   |      |      | 60   |      |      |
|      |                    | MBH                          | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   |
| 800  | 60                 | 12.1                         | 2.16 | 1.65 | 14.6 | 2.54 | 1.68 | 15.6 | 2.70 | 1.70 | 19.2 | 3.22 | 1.75 | 22.7 | 3.70 | 1.80 | 25.2 | 4.02 | 1.83 | 26.2 | 4.16 | 1.85 | 29.7 | 4.59 | 1.90 |
|      | 70                 | 11.6                         | 2.10 | 1.61 | 13.9 | 2.44 | 1.67 | 14.8 | 2.58 | 1.69 | 18.1 | 3.02 | 1.76 | 21.4 | 3.42 | 1.83 | 23.7 | 3.69 | 1.89 | 24.7 | 3.80 | 1.91 | 28.0 | 4.14 | 1.98 |
|      | 80                 | 11.0                         | 2.01 | 1.60 | 13.1 | 2.31 | 1.66 | 14.0 | 2.44 | 1.69 | 17.1 | 2.83 | 1.77 | 20.1 | 3.18 | 1.85 | 22.2 | 3.41 | 1.91 | 23.1 | 3.50 | 1.94 | 26.2 | 3.80 | 2.02 |
| 900  | 60                 | 12.2                         | 2.12 | 1.69 | 14.7 | 2.50 | 1.72 | 15.8 | 2.66 | 1.74 | 19.3 | 3.18 | 1.78 | 22.9 | 3.67 | 1.83 | 25.4 | 4.00 | 1.87 | 26.5 | 4.13 | 1.88 | 30.1 | 4.58 | 1.93 |
|      | 70                 | 11.7                         | 2.06 | 1.66 | 14.0 | 2.40 | 1.71 | 15.0 | 2.54 | 1.73 | 18.3 | 2.99 | 1.80 | 21.7 | 3.40 | 1.87 | 24.0 | 3.67 | 1.92 | 25.0 | 3.78 | 1.94 | 28.3 | 4.13 | 2.01 |
|      | 80                 | 11.1                         | 1.98 | 1.64 | 13.3 | 2.29 | 1.70 | 14.2 | 2.41 | 1.73 | 17.3 | 2.80 | 1.81 | 20.4 | 3.16 | 1.90 | 22.6 | 3.39 | 1.96 | 23.5 | 3.48 | 1.98 | 26.6 | 3.78 | 2.07 |
| 1000 | 60                 | 12.3                         | 2.09 | 1.73 | 14.8 | 2.47 | 1.76 | 15.9 | 2.63 | 1.77 | 19.5 | 3.15 | 1.82 | 23.2 | 3.65 | 1.86 | 25.7 | 3.98 | 1.89 | 26.8 | 4.12 | 1.91 | 30.4 | 4.57 | 1.95 |
|      | 70                 | 11.8                         | 2.04 | 1.70 | 14.1 | 2.38 | 1.75 | 15.2 | 2.52 | 1.77 | 18.5 | 2.97 | 1.83 | 21.9 | 3.38 | 1.90 | 24.3 | 3.65 | 1.95 | 25.3 | 3.77 | 1.97 | 28.7 | 4.12 | 2.04 |
|      | 80                 | 11.2                         | 1.96 | 1.68 | 13.4 | 2.26 | 1.74 | 14.3 | 2.38 | 1.76 | 17.5 | 2.77 | 1.85 | 20.6 | 3.12 | 1.94 | 22.8 | 3.35 | 1.99 | 23.7 | 3.44 | 2.02 | 26.8 | 3.74 | 2.11 |

# 16 SEER HEATING EXPANDED RATINGS (Continued)

MSH4BF048KA with C6B(A,H)-X48(C,U)-C + VSB - High Speed

MSH4BF048KA with PAH4VMX48KC - High Speed, or B4VM-X48K-C - High Speed

|      |                    | OUTDOOR TEMPERATURE (Deg. F) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|--------------------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CFM  | Indoor T.<br>Deg.F | 10                           |      |      | 17   |      |      | 20   |      |      | 30   |      |      | 40   |      |      | 47   |      |      | 50   |      |      | 60   |      |      |
|      |                    | MBH                          | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   |
| 1600 | 60                 | 28.2                         | 3.56 | 2.32 | 31.8 | 3.66 | 2.55 | 33.3 | 3.70 | 2.64 | 38.4 | 3.81 | 2.96 | 43.6 | 3.90 | 3.28 | 47.1 | 3.95 | 3.50 | 48.7 | 3.97 | 3.60 | 53.8 | 4.03 | 3.91 |
|      | 70                 | 27.3                         | 3.33 | 2.40 | 30.8 | 3.41 | 2.65 | 32.3 | 3.44 | 2.76 | 37.3 | 3.52 | 3.11 | 42.2 | 3.58 | 3.46 | 45.7 | 3.62 | 3.71 | 47.2 | 3.63 | 3.81 | 52.1 | 3.67 | 4.16 |
|      | 80                 | 26.8                         | 3.14 | 2.50 | 30.1 | 3.19 | 2.77 | 31.6 | 3.20 | 2.89 | 36.3 | 3.25 | 3.27 | 41.0 | 3.29 | 3.66 | 44.3 | 3.31 | 3.93 | 45.7 | 3.32 | 4.05 | 50.5 | 3.34 | 4.43 |
| 1700 | 60                 | 28.3                         | 3.52 | 2.36 | 31.9 | 3.64 | 2.58 | 33.5 | 3.68 | 2.67 | 38.7 | 3.80 | 2.98 | 43.9 | 3.91 | 3.29 | 47.5 | 3.97 | 3.51 | 49.0 | 3.99 | 3.60 | 54.2 | 4.06 | 3.91 |
|      | 70                 | 27.5                         | 3.31 | 2.44 | 31.0 | 3.39 | 2.68 | 32.5 | 3.42 | 2.78 | 37.5 | 3.52 | 3.13 | 42.5 | 3.59 | 3.47 | 46.0 | 3.64 | 3.71 | 47.5 | 3.65 | 3.81 | 52.5 | 3.70 | 4.16 |
|      | 80                 | 26.9                         | 3.11 | 2.54 | 30.3 | 3.17 | 2.80 | 31.7 | 3.19 | 2.91 | 36.5 | 3.25 | 3.29 | 41.3 | 3.30 | 3.67 | 44.7 | 3.33 | 3.93 | 46.1 | 3.34 | 4.04 | 50.9 | 3.38 | 4.42 |
| 1800 | 60                 | 28.2                         | 3.46 | 2.39 | 31.9 | 3.59 | 2.60 | 33.5 | 3.64 | 2.70 | 38.8 | 3.78 | 3.01 | 44.1 | 3.90 | 3.31 | 47.8 | 3.97 | 3.53 | 49.3 | 4.00 | 3.62 | 54.6 | 4.08 | 3.93 |
|      | 70                 | 27.7                         | 3.28 | 2.47 | 31.2 | 3.38 | 2.71 | 32.7 | 3.41 | 2.81 | 37.7 | 3.52 | 3.15 | 42.8 | 3.60 | 3.48 | 46.3 | 3.65 | 3.72 | 47.8 | 3.67 | 3.82 | 52.8 | 3.73 | 4.16 |
|      | 80                 | 27.0                         | 3.08 | 2.57 | 30.4 | 3.15 | 2.83 | 31.8 | 3.18 | 2.94 | 36.7 | 3.25 | 3.31 | 41.5 | 3.31 | 3.68 | 44.9 | 3.35 | 3.93 | 46.3 | 3.36 | 4.04 | 51.2 | 3.40 | 4.41 |

MSH4BF048KA with C6B(A,H)-X48(C,U)-C + VSB - Low Speed

MSH4BF048KA with PAH4VMX48KC - Low Speed, or B4VM-X48K-C - Low Speed

|      |                    | OUTDOOR TEMPERATURE (Deg. F) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|--------------------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CFM  | Indoor T.<br>Deg.F | 10                           |      |      | 17   |      |      | 20   |      |      | 30   |      |      | 40   |      |      | 47   |      |      | 50   |      |      | 60   |      |      |
|      |                    | MBH                          | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   |
| 1040 | 60                 | 18.9                         | 2.59 | 2.14 | 21.3 | 2.69 | 2.31 | 22.3 | 2.73 | 2.39 | 25.6 | 2.84 | 2.64 | 29.0 | 2.94 | 2.90 | 31.3 | 2.99 | 3.07 | 32.4 | 3.01 | 3.15 | 35.7 | 3.08 | 3.40 |
|      | 70                 | 18.2                         | 2.44 | 2.19 | 20.4 | 2.51 | 2.39 | 21.4 | 2.54 | 2.47 | 24.5 | 2.61 | 2.76 | 27.7 | 2.67 | 3.04 | 29.9 | 2.71 | 3.24 | 30.8 | 2.72 | 3.32 | 34.0 | 2.76 | 3.61 |
|      | 80                 | 17.7                         | 2.30 | 2.26 | 19.7 | 2.34 | 2.47 | 20.6 | 2.35 | 2.57 | 23.5 | 2.39 | 2.88 | 26.4 | 2.43 | 3.19 | 28.5 | 2.45 | 3.41 | 29.3 | 2.45 | 3.51 | 32.2 | 2.48 | 3.82 |
| 1140 | 60                 | 19.0                         | 2.56 | 2.17 | 21.4 | 2.67 | 2.35 | 22.4 | 2.71 | 2.42 | 25.8 | 2.84 | 2.67 | 29.3 | 2.94 | 2.91 | 31.7 | 3.01 | 3.09 | 32.7 | 3.03 | 3.16 | 36.1 | 3.11 | 3.41 |
|      | 70                 | 18.4                         | 2.42 | 2.23 | 20.6 | 2.50 | 2.42 | 21.6 | 2.53 | 2.50 | 24.8 | 2.61 | 2.78 | 28.0 | 2.68 | 3.06 | 30.2 | 2.73 | 3.25 | 31.2 | 2.74 | 3.33 | 34.4 | 2.79 | 3.61 |
|      | 80                 | 17.8                         | 2.27 | 2.29 | 19.9 | 2.32 | 2.51 | 20.7 | 2.34 | 2.60 | 23.7 | 2.40 | 2.90 | 26.7 | 2.44 | 3.21 | 28.8 | 2.47 | 3.42 | 29.7 | 2.48 | 3.51 | 32.7 | 2.51 | 3.82 |
| 1240 | 60                 | 19.0                         | 2.53 | 2.21 | 21.5 | 2.65 | 2.38 | 22.5 | 2.69 | 2.45 | 26.0 | 2.83 | 2.70 | 29.5 | 2.94 | 2.94 | 31.9 | 3.01 | 3.11 | 32.9 | 3.04 | 3.18 | 36.4 | 3.12 | 3.42 |
|      | 70                 | 18.5                         | 2.40 | 2.26 | 20.8 | 2.49 | 2.45 | 21.7 | 2.52 | 2.53 | 25.0 | 2.61 | 2.80 | 28.2 | 2.69 | 3.08 | 30.5 | 2.74 | 3.27 | 31.5 | 2.76 | 3.35 | 34.7 | 2.81 | 3.62 |
|      | 80                 | 17.9                         | 2.26 | 2.33 | 20.0 | 2.31 | 2.54 | 20.9 | 2.33 | 2.63 | 23.9 | 2.40 | 2.93 | 26.9 | 2.45 | 3.23 | 29.0 | 2.48 | 3.44 | 29.9 | 2.49 | 3.53 | 32.9 | 2.52 | 3.83 |

MSH4BF060KA with C6B(A,H)-X60(C,U)-(C,D) + VSB - High Speed

MSH4BF060KA with PAH4VMX60KC - High Speed, or B4VM-X60K-C - High Speed

|      |                    | OUTDOOR TEMPERATURE (Deg. F) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|--------------------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CFM  | Indoor T.<br>Deg.F | 10                           |      |      | 17   |      |      | 20   |      |      | 30   |      |      | 40   |      |      | 47   |      |      | 50   |      |      | 60   |      |      |
|      |                    | MBH                          | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   |
| 1700 | 60                 | 30.9                         | 2.54 | 3.57 | 35.2 | 2.81 | 3.68 | 37.1 | 2.92 | 3.72 | 43.2 | 3.28 | 3.87 | 49.3 | 3.61 | 4.01 | 53.6 | 3.82 | 4.12 | 55.5 | 3.91 | 4.16 | 61.6 | 4.20 | 4.31 |
|      | 70                 | 30.0                         | 2.29 | 3.84 | 34.2 | 2.55 | 3.94 | 36.0 | 2.65 | 3.98 | 42.0 | 2.98 | 4.13 | 48.0 | 3.29 | 4.27 | 52.2 | 3.50 | 4.38 | 54.0 | 3.58 | 4.42 | 60.0 | 3.85 | 4.57 |
|      | 80                 | 29.5                         | 2.10 | 4.12 | 33.6 | 2.33 | 4.23 | 35.3 | 2.42 | 4.27 | 41.1 | 2.72 | 4.42 | 46.8 | 3.00 | 4.57 | 50.9 | 3.19 | 4.68 | 52.6 | 3.27 | 4.72 | 58.4 | 3.52 | 4.87 |
| 1800 | 60                 | 31.0                         | 2.53 | 3.60 | 35.4 | 2.81 | 3.69 | 37.2 | 2.92 | 3.74 | 43.4 | 3.29 | 3.88 | 49.6 | 3.62 | 4.02 | 54.0 | 3.85 | 4.12 | 55.9 | 3.94 | 4.16 | 62.1 | 4.23 | 4.30 |
|      | 70                 | 30.2                         | 2.30 | 3.85 | 34.4 | 2.55 | 3.95 | 36.2 | 2.66 | 3.99 | 42.2 | 3.00 | 4.13 | 48.3 | 3.31 | 4.27 | 52.5 | 3.52 | 4.37 | 54.3 | 3.61 | 4.41 | 60.3 | 3.89 | 4.55 |
|      | 80                 | 29.6                         | 2.09 | 4.14 | 33.7 | 2.33 | 4.24 | 35.4 | 2.42 | 4.28 | 41.2 | 2.74 | 4.42 | 47.1 | 3.03 | 4.56 | 51.2 | 3.22 | 4.66 | 52.9 | 3.30 | 4.70 | 58.8 | 3.56 | 4.84 |
| 1900 | 60                 | 30.9                         | 2.51 | 3.61 | 35.3 | 2.79 | 3.71 | 37.2 | 2.91 | 3.75 | 43.5 | 3.28 | 3.89 | 49.9 | 3.62 | 4.03 | 54.3 | 3.85 | 4.13 | 56.2 | 3.95 | 4.17 | 62.5 | 4.25 | 4.32 |
|      | 70                 | 30.4                         | 2.30 | 3.87 | 34.6 | 2.56 | 3.97 | 36.4 | 2.66 | 4.01 | 42.5 | 3.01 | 4.14 | 48.6 | 3.33 | 4.28 | 52.8 | 3.54 | 4.37 | 54.6 | 3.63 | 4.41 | 60.7 | 3.91 | 4.55 |
|      | 80                 | 29.7                         | 2.09 | 4.16 | 33.8 | 2.33 | 4.25 | 35.6 | 2.43 | 4.29 | 41.4 | 2.75 | 4.42 | 47.3 | 3.05 | 4.56 | 51.4 | 3.24 | 4.65 | 53.2 | 3.33 | 4.69 | 59.1 | 3.59 | 4.82 |

MSH4BF060KA with C6B(A,H)-X60(C,U)-(C,D) + VSB - Low Speed

MSH4BF060KA with PAH4VMX60KC - Low Speed, or B4VM-X60K-C - High Speed

|      |                    | OUTDOOR TEMPERATURE (Deg. F) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|--------------------|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CFM  | Indoor T.<br>Deg.F | 10                           |      |      | 17   |      |      | 20   |      |      | 30   |      |      | 40   |      |      | 47   |      |      | 50   |      |      | 60   |      |      |
|      |                    | MBH                          | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   | MBH  | COP  | kW   |
| 1100 | 60                 | 19.8                         | 2.11 | 2.76 | 23.3 | 2.43 | 2.82 | 24.8 | 2.56 | 2.84 | 29.7 | 2.98 | 2.93 | 34.7 | 3.38 | 3.01 | 38.1 | 3.64 | 3.07 | 39.6 | 3.76 | 3.09 | 44.6 | 4.11 | 3.18 |
|      | 70                 | 19.1                         | 1.94 | 2.89 | 22.4 | 2.22 | 2.96 | 23.9 | 2.34 | 2.99 | 28.6 | 2.73 | 3.08 | 33.4 | 3.09 | 3.17 | 36.7 | 3.33 | 3.23 | 38.1 | 3.43 | 3.26 | 42.9 | 3.75 | 3.35 |
|      | 80                 | 18.6                         | 1.78 | 3.05 | 21.7 | 2.04 | 3.12 | 23.1 | 2.15 | 3.15 | 27.6 | 2.49 | 3.24 | 32.1 | 2.82 | 3.34 | 35.3 | 3.04 | 3.41 | 36.6 | 3.13 | 3.44 | 41.2 | 3.42 | 3.53 |
| 1200 | 60                 | 19.9                         | 2.09 | 2.79 | 23.4 | 2.42 | 2.84 | 24.9 | 2.55 | 2.87 | 29.9 | 2.98 | 2.95 | 35.0 | 3.39 | 3.03 | 38.5 | 3.66 | 3.08 | 40.0 | 3.77 | 3.11 | 45.0 | 4.14 | 3.19 |
|      | 70                 | 19.2                         | 1.93 | 2.92 | 22.6 | 2.22 | 2.98 | 24.0 | 2.34 | 3.01 | 28.8 | 2.73 | 3.10 | 33.6 | 3.10 | 3.18 | 37.0 | 3.34 | 3.25 | 38.4 | 3.44 | 3.27 | 43.2 | 3.77 | 3.36 |
|      | 80                 | 18.6                         | 1.77 | 3.08 | 21.9 | 2.04 | 3.14 | 23.2 | 2.15 | 3.17 | 27.8 | 2.50 | 3.26 | 32.4 | 2.83 | 3.35 | 35.6 | 3.06 | 3.42 | 37.0 | 3.15 | 3.45 | 41.6 | 3.45 | 3.54 |
| 1300 | 60                 | 19.9                         | 2.08 | 2.81 | 23.5 | 2.40 | 2.87 | 25.0 | 2.53 | 2.89 | 30.1 | 2.97 | 2.97 | 35.2 | 3.38 | 3.05 | 38.7 | 3.66 | 3.11 | 40.3 | 3.77 | 3.13 | 45.3 | 4.15 | 3.21 |
|      | 70                 | 19.4                         | 1.93 | 2.95 | 22.8 | 2.22 | 3.01 | 24.2 | 2.34 | 3.03 | 29.1 | 2.73 | 3.12 | 33.9 | 3.10 | 3.20 | 37.3 | 3.35 | 3.26 | 38.8 | 3.46 | 3.29 | 43.6 | 3.79 | 3.37 |
|      | 80                 | 18.8                         | 1.77 | 3.10 | 22.0 | 2.04 | 3.17 | 23.4 | 2.15 | 3.19 | 28.0 | 2.50 | 3.28 | 32.6 | 2.84 | 3.37 | 35.8 | 3.06 | 3.43 | 37.2 | 3.16 | 3.46 | 41.8 | 3.46 | 3.55 |



**MAYTAG**

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