

## TECHNICAL SPECIFICATIONS

# ES4BD-KB Series

### High Efficiency Air Conditioner 13 SEER Residential System 1-1/2 – 5 Ton Capacity

The ES4BD-KB Series of air conditioners offers 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 using galvanized steel:** with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **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.
- **Louvered Condenser Guard:** Durable metal guard protects the coil from yard hazards and extreme weather.
- **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, field installed.
- **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.
- **Micro-Channel Coils:** All aluminum coils in all models which provides high corrosion resistance.

MODEL IDENTIFICATION CODES

EX: ES4BD-036KB

ES

4

B

D

-

036

K

B

ES - Air Conditioner  
ET - Heat Pump

Design Series

Product Identifier

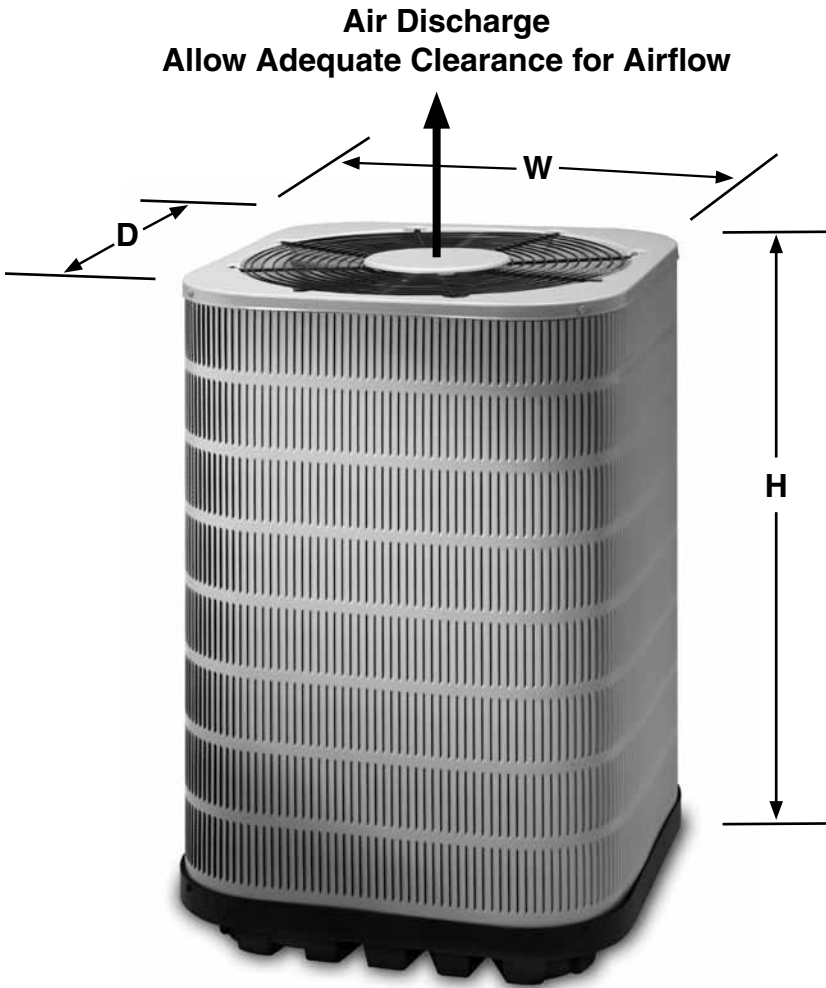
Nominal Capacity  
(000) BTU

Revision  
Electrical Code  
K = 208/230-60-1

BD = Braze 13 SEER

DIMENSIONS  
AIR CONDITIONER OUTDOOR SECTION

| ES4BD | 018KB  | 024KB  | 030KB  | 036KB  | 042KB  | 048KB  | 060KB  |
|-------|--------|--------|--------|--------|--------|--------|--------|
| H     | 23 1/2 | 23 1/2 | 27 1/2 | 27 1/2 | 27 1/2 | 27 1/2 | 31 1/2 |
| W     | 22 3/4 | 22 3/4 | 22 3/4 | 22 3/4 | 30 3/4 | 30 3/4 | 30 3/4 |
| D     | 22 3/4 | 22 3/4 | 22 3/4 | 22 3/4 | 30 3/4 | 30 3/4 | 30 3/4 |



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 13 SEER — High Efficiency — Single Phase

| Model Number ES4BD                                                                 |                        |                | 018KB         | 024KB         | 030KB         | 036KB         | 042KB         | 048KB         | 060KB         |
|------------------------------------------------------------------------------------|------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Electrical<br>Data                                                                 | Volts-Cycles-Phase (1) |                | 208/230-60-1  | 208/230-60-1  | 208/230-60-1  | 208/230-60-1  | 208/230-60-1  | 208/230-60-1  | 208/230-60-1  |
|                                                                                    | Total Amps             |                | 9.3           | 13.5          | 14.8          | 18.0          | 19.4          | 23.2          | 27.8          |
|                                                                                    | Delay Fuse Max. (2)    |                | 20            | 25            | 30            | 35            | 40            | 50            | 60            |
|                                                                                    | Min. Circuit Ampacity  |                | 11.6          | 16.7          | 18.3          | 22.2          | 23.9          | 28.7          | 34.4          |
| Component<br>Data                                                                  | Coil                   | Area           | 8.3           | 8.3           | 10.0          | 10.0          | 15.3          | 15.3          | 17.9          |
|                                                                                    |                        | Rows-FPI       | 1-18          | 1-18          | 1-18          | 1-18          | 1-18          | 1-18          | 1-18          |
|                                                                                    |                        | Tube Dia       | Micro-Channel | Micro-Channel | Micro-Channel | Micro-Channel | Micro-Channel | Micro-Channel | Micro-Channel |
|                                                                                    | Fan Motor              | Type           | PSC           | PSC           | PSC           | PSC           | PSC           | PSC           | PSC           |
|                                                                                    |                        | Amps           | 0.35          | 0.7           | 0.7           | 1.4           | 1.5           | 1.5           | 1.5           |
|                                                                                    |                        | HP             | 0.05          | 0.1           | 0.1           | 0.25          | 0.25          | 0.25          | 0.25          |
|                                                                                    | Fan Blade              | Dia - # Blades | 18" - 3       | 18" - 3       | 18" - 3       | 18" - 4       | 24" - 2       | 24" - 2       | 24" - 2       |
|                                                                                    |                        | SCFM           | 2600          | 2800          | 3000          | 3000          | 3500          | 3500          | 3800          |
|                                                                                    | Compressor Data        | RLA            | 9.0           | 12.8          | 14.1          | 16.6          | 17.9          | 21.8          | 26.4          |
|                                                                                    |                        | LRA            | 48.0          | 58.3          | 73.0          | 79.0          | 112.0         | 117.0         | 134.0         |
| Refrigerant suction line O.D.<br>NOTE: Liquid line is 3/8" O.D. for entire length. |                        | 0-24 ft.       | 3/4"          | 3/4"          | 3/4"          | 3/4"          | 7/8"          | 7/8"          | 7/8"          |
|                                                                                    |                        | 25-39 ft.      | 3/4"          | 3/4"          | 3/4"          | 7/8" (3)      | 7/8"          | 7/8"          | 1-1/8" (4)    |
|                                                                                    |                        | 40-75 ft.      | 3/4"          | 3/4"          | 3/4"          | 7/8" (3)      | 7/8"          | 7/8"          | 1-1/8" (4)    |
| Approximate Weight (lbs.)                                                          |                        | Net            | 109           | 125           | 138           | 140           | 179           | 179           | 188           |
|                                                                                    |                        | Ship           | 114           | 130           | 144           | 146           | 187           | 187           | 197           |
| Sound Rating db                                                                    |                        |                | 74            | 74            | 74            | 76            | 79            | 79            | 79            |

(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.

(5) Additional charge for line sets above 15 feet.

Values based on suction line as follows with 3/8" liquid line.

a) 3/4" = 0.6 oz. per additional foot.

b) 7/8" = 0.7 oz. per additional foot.

c) 1 1/8" = 0.8 oz per additional foot.

## 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.

### Extreme Wind Condition Mounting Kit - 920900

## SYSTEM COOLING CAPACITIES

### 13 SEER — High Efficiency — Single Phase

| Outdoor Unit | Indoor Unit           | A Cap  | SEER  | EER   | CFM  |
|--------------|-----------------------|--------|-------|-------|------|
| ES4BD-018KB  | C7B(A,H)M01824(C,U)-A | 17,600 | 13.00 | 10.50 | 605  |
| ES4BD-018KB  | C7B(A,H)M01824(C,U)-B | 17,600 | 13.00 | 10.50 | 535  |
| ES4BD-024KB  | C7B(A,H)M01824(C,U)-A | 23,400 | 13.00 | 10.50 | 700  |
| ES4BD-024KB  | C7B(A,H)M01824(C,U)-B | 23,400 | 13.00 | 10.50 | 700  |
| ES4BD-030KB  | C7B(A,H)M03036(C,U)-A | 28,600 | 13.00 | 10.50 | 960  |
| ES4BD-030KB  | C7B(A,H)M03036(C,U)-B | 28,600 | 13.00 | 10.50 | 960  |
| ES4BD-030KB  | C7B(A,H)M030(C,U)-C   | 28,600 | 13.00 | 10.50 | 960  |
| ES4BD-036KB  | C7B(A,H)M03036(C,U)-A | 35,000 | 13.00 | 10.50 | 1055 |
| ES4BD-036KB  | C7B(A,H)M03036(C,U)-B | 35,000 | 13.00 | 10.50 | 1055 |
| ES4BD-036KB  | C7B(A,H)M03642(C,U)-B | 35,000 | 13.00 | 10.50 | 1055 |
| ES4BD-036KB  | C7B(A,H)M03648(C,U)-C | 35,000 | 13.00 | 10.50 | 1055 |
| ES4BD-042KB  | C7B(A,H)M03642(C,U)-B | 40,000 | 13.00 | 10.50 | 1290 |
| ES4BD-042KB  | C7B(A,H)M03648(C,U)-C | 40,000 | 13.00 | 10.50 | 1290 |
| ES4BD-042KB  | C7B(A,H)M042(C,U)-D   | 40,000 | 13.00 | 10.50 | 1290 |
| ES4BD-048KB  | C7B(A,H)M03648(C,U)-C | 46,000 | 13.00 | 10.50 | 1415 |
| ES4BD-048KB  | C7B(A,H)M048(C,U)-C   | 45,500 | 13.00 | 10.50 | 1305 |
| ES4BD-048KB  | C7B(A,H)M048(C,U)-D   | 45,500 | 13.00 | 10.50 | 1305 |
| ES4BD-060KB  | C7B(A,H)M060(C,U)-C   | 55,000 | 13.00 | 10.50 | 1445 |
| ES4BD-060KB  | C7B(A,H)M060(C,U)-D   | 55,000 | 13.00 | 10.50 | 1445 |

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

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

| Outdoor Unit | Indoor Unit | A Cap  | SEER  | A EER | CFM  |
|--------------|-------------|--------|-------|-------|------|
| ES4BD-018KB  | B6BMM024K-A | 17,400 | 13.00 | 10.50 | 555  |
| ES4BD-018KB  | B6BMM024K-B | 17,500 | 13.00 | 10.50 | 550  |
| ES4BD-024KB  | B6BMM024K-A | 23,000 | 13.00 | 10.50 | 700  |
| ES4BD-024KB  | B6BMM024K-B | 23,000 | 13.00 | 10.50 | 720  |
| ES4BD-030KB  | B6BMM030K-A | 28,400 | 13.00 | 10.50 | 920  |
| ES4BD-030KB  | B6BMM030K-B | 28,400 | 13.00 | 10.50 | 890  |
| ES4BD-036KB  | B6BMM036K-B | 35,000 | 13.00 | 10.50 | 1160 |
| ES4BD-042KB  | B6BMM042K-B | 40,000 | 13.00 | 10.50 | 1370 |
| ES4BD-048KB  | B6BMM048K-B | 46,500 | 13.00 | 10.50 | 1355 |
| ES4BD-048KB  | B6BMM048K-C | 47,500 | 13.00 | 10.50 | 1630 |
| ES4BD-060KB  | B6BMM060K-C | 57,500 | 13.00 | 10.50 | 1950 |

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

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# COOLING EXPANDED RATINGS

ES4BD-018KB C7B(A,H)M01824(C,U)-A

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 525   | 80     | 62     | 18.4 | 14.6 | 1.10 | 17.6 | 14.4 | 1.23 | 16.8 | 14.5 | 1.37 | 15.9 | 14.2 | 1.52 | 14.92 | 14.67 | 1.69 | 14.03 | 13.79 | 1.88 |
|       | 80     | 67     | 20.3 | 11.8 | 1.12 | 19.4 | 11.7 | 1.26 | 18.5 | 11.8 | 1.39 | 17.5 | 11.5 | 1.55 | 16.40 | 11.27 | 1.72 | 15.24 | 10.44 | 1.91 |
|       | 80     | 72     | 22.5 | 9.2  | 1.16 | 21.6 | 9.1  | 1.29 | 20.5 | 9.3  | 1.44 | 19.5 | 9.1  | 1.59 | 18.30 | 8.90  | 1.76 | 17.05 | 9.08  | 1.96 |
|       | 75     | 63     | 18.6 | 11.4 | 1.10 | 17.8 | 11.3 | 1.23 | 17.0 | 11.3 | 1.37 | 16.0 | 11.0 | 1.52 | 14.97 | 9.93  | 1.69 | 13.84 | 10.74 | 1.88 |
| 600   | 80     | 62     | 19.0 | 15.7 | 1.14 | 18.2 | 16.0 | 1.27 | 17.3 | 15.6 | 1.40 | 16.4 | 15.4 | 1.56 | 15.59 | 15.06 | 1.73 | 14.65 | 14.52 | 1.92 |
|       | 80     | 67     | 20.7 | 12.6 | 1.16 | 19.8 | 12.9 | 1.29 | 18.9 | 12.5 | 1.43 | 17.8 | 12.4 | 1.58 | 16.73 | 12.30 | 1.76 | 15.55 | 12.22 | 1.95 |
|       | 80     | 72     | 23.0 | 9.7  | 1.20 | 22.0 | 10.1 | 1.33 | 21.0 | 9.8  | 1.48 | 19.8 | 9.7  | 1.63 | 18.62 | 9.71  | 1.80 | 17.26 | 9.72  | 1.99 |
|       | 75     | 63     | 19.1 | 12.1 | 1.14 | 18.3 | 12.4 | 1.27 | 17.4 | 12.0 | 1.41 | 16.4 | 11.8 | 1.56 | 15.31 | 11.71 | 1.73 | 14.15 | 11.57 | 1.91 |
| 675   | 80     | 62     | 19.4 | 17.0 | 1.17 | 18.6 | 17.1 | 1.30 | 17.9 | 16.6 | 1.44 | 17.1 | 16.2 | 1.60 | 16.14 | 15.60 | 1.77 | 15.15 | 15.09 | 1.97 |
|       | 80     | 67     | 21.2 | 13.5 | 1.20 | 20.2 | 13.6 | 1.33 | 19.2 | 13.3 | 1.47 | 18.2 | 13.2 | 1.62 | 17.01 | 13.02 | 1.79 | 15.83 | 13.33 | 1.98 |
|       | 80     | 72     | 23.4 | 10.4 | 1.24 | 22.4 | 10.6 | 1.37 | 21.3 | 10.3 | 1.51 | 20.1 | 10.3 | 1.67 | 18.77 | 10.19 | 1.84 | 17.41 | 10.25 | 2.03 |
|       | 75     | 63     | 19.5 | 13.0 | 1.17 | 18.6 | 13.1 | 1.30 | 17.7 | 12.7 | 1.44 | 16.7 | 12.6 | 1.59 | 15.56 | 12.38 | 1.76 | 14.42 | 12.61 | 1.95 |

ES4BD-024KB C7B(A,H)M01824(C,U)-B

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 700   | 80     | 62     | 24.4 | 19.0 | 1.48 | 23.5 | 18.9 | 1.64 | 22.5 | 19.0 | 1.82 | 21.5 | 18.7 | 2.02 | 20.26 | 19.69 | 2.25 | 18.94 | 18.41 | 2.50 |
|       | 80     | 67     | 26.7 | 15.4 | 1.53 | 25.7 | 15.3 | 1.69 | 24.7 | 15.5 | 1.87 | 23.5 | 15.2 | 2.07 | 22.25 | 14.89 | 2.30 | 20.78 | 13.68 | 2.55 |
|       | 80     | 72     | 29.6 | 12.0 | 1.61 | 28.6 | 12.0 | 1.77 | 27.4 | 12.3 | 1.95 | 26.2 | 12.0 | 2.16 | 24.75 | 11.83 | 2.39 | 23.06 | 12.07 | 2.66 |
|       | 75     | 63     | 24.7 | 14.9 | 1.48 | 23.8 | 14.8 | 1.64 | 22.8 | 14.9 | 1.82 | 21.6 | 14.5 | 2.02 | 20.37 | 13.27 | 2.25 | 18.99 | 14.29 | 2.50 |
| 800   | 80     | 62     | 25.1 | 20.5 | 1.53 | 24.2 | 20.9 | 1.69 | 23.2 | 20.5 | 1.87 | 22.1 | 20.3 | 2.07 | 20.94 | 20.12 | 2.30 | 19.86 | 19.69 | 2.56 |
|       | 80     | 67     | 27.4 | 16.3 | 1.59 | 26.4 | 16.8 | 1.75 | 25.3 | 16.4 | 1.93 | 24.1 | 16.2 | 2.12 | 22.74 | 16.22 | 2.35 | 21.19 | 16.13 | 2.61 |
|       | 80     | 72     | 30.3 | 12.6 | 1.67 | 29.2 | 13.3 | 1.84 | 28.0 | 12.9 | 2.02 | 26.7 | 12.8 | 2.22 | 25.15 | 12.89 | 2.45 | 23.31 | 12.91 | 2.72 |
|       | 75     | 63     | 25.3 | 15.8 | 1.53 | 24.3 | 16.2 | 1.70 | 23.3 | 15.8 | 1.87 | 22.1 | 15.6 | 2.07 | 20.86 | 15.47 | 2.30 | 19.39 | 15.32 | 2.55 |
| 900   | 80     | 62     | 25.7 | 22.2 | 1.58 | 24.8 | 22.3 | 1.74 | 23.8 | 21.9 | 1.92 | 22.8 | 21.6 | 2.13 | 21.78 | 21.05 | 2.36 | 20.53 | 20.45 | 2.62 |
|       | 80     | 67     | 27.9 | 17.5 | 1.64 | 26.9 | 17.7 | 1.80 | 25.7 | 17.3 | 1.98 | 24.5 | 17.3 | 2.18 | 23.10 | 17.11 | 2.41 | 21.47 | 17.09 | 2.67 |
|       | 80     | 72     | 30.8 | 13.5 | 1.73 | 29.7 | 13.9 | 1.89 | 28.4 | 13.5 | 2.07 | 27.0 | 13.6 | 2.27 | 25.30 | 13.48 | 2.50 | 23.54 | 13.55 | 2.78 |
|       | 75     | 63     | 25.8 | 16.9 | 1.59 | 24.8 | 17.1 | 1.75 | 23.7 | 16.6 | 1.92 | 22.5 | 16.5 | 2.12 | 21.21 | 16.31 | 2.35 | 19.72 | 16.24 | 2.60 |

ES4BD-030KB C7B(A,H)M03036(C,U)-A

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 875   | 80     | 62     | 29.6 | 22.4 | 1.78 | 28.5 | 22.9 | 1.97 | 27.3 | 23.0 | 2.17 | 25.9 | 22.6 | 2.40 | 24.44 | 23.82 | 2.66 | 22.82 | 22.23 | 2.96 |
|       | 80     | 67     | 32.5 | 18.7 | 1.83 | 31.3 | 18.5 | 2.01 | 29.9 | 18.7 | 2.21 | 28.5 | 18.3 | 2.44 | 26.84 | 17.97 | 2.71 | 25.04 | 16.48 | 3.01 |
|       | 80     | 72     | 36.3 | 14.7 | 1.89 | 34.9 | 14.6 | 2.08 | 33.4 | 15.0 | 2.28 | 31.7 | 14.6 | 2.51 | 29.92 | 14.40 | 2.78 | 27.67 | 14.66 | 3.11 |
|       | 75     | 63     | 30.0 | 18.1 | 1.79 | 28.8 | 17.9 | 1.97 | 27.5 | 18.0 | 2.18 | 26.1 | 17.6 | 2.40 | 24.53 | 15.96 | 2.67 | 22.83 | 17.18 | 2.96 |
| 1000  | 80     | 62     | 30.5 | 24.9 | 1.85 | 29.3 | 25.4 | 2.03 | 28.0 | 24.8 | 2.23 | 26.7 | 24.5 | 2.46 | 25.29 | 24.29 | 2.73 | 23.96 | 23.76 | 3.03 |
|       | 80     | 67     | 33.4 | 19.8 | 1.89 | 32.0 | 20.4 | 2.07 | 30.7 | 19.8 | 2.28 | 29.1 | 19.6 | 2.51 | 27.46 | 19.54 | 2.77 | 25.57 | 19.40 | 3.07 |
|       | 80     | 72     | 37.1 | 15.5 | 1.96 | 35.6 | 16.2 | 2.14 | 34.0 | 15.7 | 2.35 | 32.2 | 15.6 | 2.58 | 30.05 | 15.65 | 2.84 | 27.90 | 15.56 | 3.17 |
|       | 75     | 63     | 30.8 | 19.1 | 1.85 | 29.5 | 19.6 | 2.03 | 28.2 | 19.0 | 2.23 | 26.7 | 18.7 | 2.46 | 25.10 | 18.61 | 2.72 | 23.31 | 18.40 | 3.02 |
| 1125  | 80     | 62     | 31.3 | 26.9 | 1.90 | 30.0 | 27.1 | 2.09 | 28.7 | 26.5 | 2.29 | 27.6 | 26.1 | 2.53 | 26.32 | 25.43 | 2.80 | 24.77 | 24.66 | 3.10 |
|       | 80     | 67     | 34.1 | 21.2 | 1.95 | 32.7 | 21.5 | 2.13 | 31.2 | 20.9 | 2.34 | 29.7 | 20.8 | 2.57 | 27.93 | 20.60 | 2.83 | 25.90 | 20.52 | 3.14 |
|       | 80     | 72     | 37.6 | 16.6 | 2.01 | 35.9 | 17.0 | 2.20 | 34.2 | 16.5 | 2.40 | 32.4 | 16.4 | 2.63 | 30.52 | 16.26 | 2.91 | 28.33 | 16.29 | 3.25 |
|       | 75     | 63     | 31.4 | 20.5 | 1.91 | 30.1 | 20.6 | 2.09 | 28.7 | 20.0 | 2.29 | 27.2 | 19.9 | 2.52 | 25.55 | 19.59 | 2.78 | 23.69 | 19.47 | 3.08 |

ES4BD-036KB C7B(A,H)M03036(C,U)-B

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1050  | 80     | 62     | 36.7 | 27.9 | 2.26 | 35.4 | 28.4 | 2.49 | 33.7 | 28.5 | 2.75 | 31.9 | 28.0 | 3.03 | 29.73 | 29.16 | 3.39 | 27.72 | 27.20 | 3.80 |
|       | 80     | 67     | 40.5 | 23.1 | 2.33 | 38.8 | 23.0 | 2.56 | 37.0 | 23.2 | 2.82 | 34.9 | 22.6 | 3.13 | 32.61 | 22.07 | 3.49 | 30.37 | 20.29 | 3.86 |
|       | 80     | 72     | 44.7 | 18.1 | 2.43 | 42.9 | 18.0 | 2.66 | 40.9 | 18.3 | 2.95 | 38.7 | 17.8 | 3.25 | 36.53 | 17.54 | 3.58 | 34.14 | 17.93 | 3.95 |
|       | 75     | 63     | 37.3 | 22.4 | 2.27 | 35.8 | 22.2 | 2.50 | 34.1 | 22.3 | 2.75 | 32.2 | 21.7 | 3.04 | 29.85 | 19.41 | 3.41 | 27.47 | 21.02 | 3.79 |
| 1250  | 80     | 62     | 38.2 | 31.7 | 2.37 | 36.7 | 32.2 | 2.60 | 35.0 | 31.5 | 2.85 | 33.1 | 31.1 | 3.14 | 31.26 | 30.20 | 3.54 | 29.43 | 29.18 | 3.91 |
|       | 80     | 67     | 41.5 | 24.6 | 2.41 | 39.7 | 25.3 | 2.64 | 37.8 | 24.6 | 2.90 | 35.6 | 24.2 | 3.22 | 33.37 | 24.09 | 3.56 | 31.04 | 23.94 | 3.93 |
|       | 80     | 72     | 45.8 | 19.0 | 2.51 | 43.8 | 19.9 | 2.76 | 41.7 | 19.2 | 3.04 | 39.5 | 19.0 | 3.33 | 37.22 | 19.13 | 3.66 | 34.70 | 19.19 | 4.03 |
|       | 75     | 63     | 38.3 | 23.8 | 2.35 | 36.7 | 24.4 | 2.58 | 34.9 | 23.7 | 2.83 | 32.9 | 23.3 | 3.12 | 30.50 | 22.93 | 3.49 | 28.11 | 22.62 | 3.86 |
| 1450  | 80     | 62     | 39.4 | 34.9 | 2.47 | 37.8 | 35.1 | 2.70 | 36.5 | 34.0 | 2.96 | 34.6 | 32.9 | 3.29 | 32.70 | 31.59 | 3.65 | 30.74 | 30.61 | 4.02 |
|       | 80     | 67     | 42.3 | 26.4 | 2.49 | 40.5 | 26.7 | 2.72 | 38.4 | 26.0 | 2.99 | 36.2 | 25.7 | 3.30 | 33.94 | 25.47 | 3.64 | 31.56 | 25.46 | 4.00 |
|       | 80     | 72     | 46.6 | 20.4 | 2.59 | 44.5 | 20.8 | 2.84 | 42.3 | 20.1 | 3.11 | 40.1 | 20.2 | 3.40 | 37.63 | 20.06 | 3.73 | 35.01 | 20.24 | 4.10 |
|       | 75     | 63     | 39.0 | 25.5 | 2.42 | 37.4 | 25.7 | 2.65 | 35.5 | 25.0 | 2.90 | 33.4 | 24.7 | 3.20 | 30.94 | 24.17 | 3.57 | 28.61 | 24.03 | 3.94 |

# COOLING EXPANDED RATINGS (CONTINUED)

ES4BD-042KB C7B(A,H)M03642(C,U)-B

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1150  | 80     | 62     | 41.5 | 31.9 | 2.54 | 39.8 | 31.6 | 2.76 | 38.0 | 31.7 | 3.01 | 35.9 | 31.0 | 3.32 | 33.53 | 32.32 | 3.68 | 31.21 | 30.07 | 4.05 |
|       | 80     | 67     | 45.6 | 26.6 | 2.60 | 43.8 | 26.4 | 2.82 | 41.8 | 26.6 | 3.09 | 39.6 | 26.0 | 3.40 | 37.23 | 25.46 | 3.74 | 34.73 | 23.06 | 4.12 |
|       | 80     | 72     | 50.5 | 20.7 | 2.69 | 48.5 | 20.6 | 2.92 | 46.3 | 21.0 | 3.20 | 43.9 | 20.5 | 3.49 | 41.43 | 20.20 | 3.83 | 38.72 | 20.66 | 4.21 |
|       | 75     | 63     | 42.1 | 25.7 | 2.55 | 40.5 | 25.5 | 2.76 | 38.6 | 25.6 | 3.02 | 36.4 | 24.9 | 3.33 | 33.98 | 22.57 | 3.69 | 31.58 | 24.33 | 4.06 |
| 1300  | 80     | 62     | 42.5 | 34.0 | 2.61 | 40.8 | 34.6 | 2.83 | 38.9 | 33.7 | 3.08 | 36.7 | 33.1 | 3.40 | 34.39 | 32.65 | 3.75 | 32.16 | 31.88 | 4.13 |
|       | 80     | 67     | 46.6 | 28.1 | 2.67 | 44.8 | 28.9 | 2.90 | 42.6 | 28.1 | 3.17 | 40.4 | 27.7 | 3.48 | 37.94 | 27.63 | 3.81 | 35.37 | 27.50 | 4.19 |
|       | 80     | 72     | 51.5 | 21.7 | 2.77 | 49.3 | 22.7 | 3.00 | 47.1 | 22.0 | 3.27 | 44.6 | 21.8 | 3.57 | 41.87 | 21.91 | 3.90 | 39.12 | 21.96 | 4.28 |
|       | 75     | 63     | 43.0 | 27.1 | 2.62 | 41.3 | 27.8 | 2.83 | 39.4 | 27.0 | 3.09 | 37.1 | 26.5 | 3.41 | 34.66 | 26.30 | 3.76 | 32.20 | 26.03 | 4.13 |
| 1450  | 80     | 62     | 43.3 | 36.4 | 2.68 | 41.6 | 36.5 | 2.90 | 39.6 | 35.6 | 3.15 | 37.4 | 35.0 | 3.48 | 35.23 | 34.04 | 3.82 | 33.20 | 33.06 | 4.20 |
|       | 80     | 67     | 47.4 | 30.0 | 2.75 | 45.5 | 30.4 | 2.97 | 43.3 | 29.6 | 3.24 | 41.0 | 29.4 | 3.55 | 38.50 | 29.10 | 3.88 | 35.88 | 29.11 | 4.26 |
|       | 80     | 72     | 52.2 | 23.2 | 2.84 | 49.9 | 23.7 | 3.08 | 47.5 | 23.0 | 3.33 | 45.0 | 23.0 | 3.64 | 42.30 | 22.79 | 3.97 | 39.57 | 22.99 | 4.35 |
|       | 75     | 63     | 43.8 | 29.0 | 2.69 | 42.1 | 29.2 | 2.90 | 40.0 | 28.4 | 3.16 | 37.7 | 28.1 | 3.48 | 35.19 | 27.66 | 3.82 | 32.62 | 27.39 | 4.19 |

ES4BD-048KB C7B(A,H)M03648(C,U)-C

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1400  | 80     | 62     | 48.9 | 37.3 | 3.13 | 46.7 | 36.9 | 3.45 | 44.4 | 36.9 | 3.78 | 42.0 | 36.1 | 4.16 | 39.31 | 37.74 | 4.58 | 36.53 | 35.07 | 5.05 |
|       | 80     | 67     | 53.7 | 31.1 | 3.22 | 51.5 | 30.8 | 3.53 | 49.1 | 31.0 | 3.86 | 46.4 | 30.3 | 4.24 | 43.62 | 29.73 | 4.67 | 40.70 | 26.91 | 5.14 |
|       | 80     | 72     | 59.2 | 24.2 | 3.33 | 56.7 | 24.1 | 3.63 | 54.2 | 24.5 | 3.98 | 51.4 | 23.9 | 4.36 | 48.38 | 23.51 | 4.79 | 45.11 | 24.01 | 5.26 |
|       | 75     | 63     | 49.7 | 30.1 | 3.14 | 47.5 | 29.7 | 3.46 | 45.1 | 29.8 | 3.80 | 42.6 | 29.1 | 4.17 | 39.93 | 26.33 | 4.59 | 37.00 | 28.44 | 5.06 |
| 1600  | 80     | 62     | 50.1 | 39.9 | 3.22 | 47.8 | 40.5 | 3.54 | 45.5 | 39.4 | 3.88 | 43.0 | 38.7 | 4.25 | 40.34 | 38.20 | 4.68 | 37.62 | 37.30 | 5.15 |
|       | 80     | 67     | 54.9 | 33.0 | 3.32 | 52.6 | 33.9 | 3.63 | 50.1 | 32.9 | 3.96 | 47.4 | 32.5 | 4.34 | 44.47 | 32.39 | 4.77 | 41.40 | 32.23 | 5.24 |
|       | 80     | 72     | 60.4 | 25.4 | 3.43 | 57.9 | 26.6 | 3.74 | 55.1 | 25.7 | 4.09 | 52.2 | 25.5 | 4.46 | 48.95 | 25.56 | 4.88 | 45.75 | 25.62 | 5.37 |
|       | 75     | 63     | 50.8 | 31.9 | 3.24 | 48.6 | 32.6 | 3.55 | 46.1 | 31.6 | 3.89 | 43.5 | 31.1 | 4.26 | 40.79 | 30.88 | 4.69 | 37.79 | 30.56 | 5.16 |
| 1800  | 80     | 62     | 51.0 | 42.7 | 3.32 | 48.7 | 42.8 | 3.64 | 46.4 | 41.6 | 3.97 | 43.9 | 41.0 | 4.34 | 41.29 | 39.89 | 4.77 | 38.85 | 38.69 | 5.26 |
|       | 80     | 67     | 55.9 | 35.3 | 3.42 | 53.5 | 35.7 | 3.72 | 50.9 | 34.7 | 4.06 | 48.1 | 34.5 | 4.43 | 45.11 | 34.19 | 4.86 | 42.02 | 34.22 | 5.34 |
|       | 80     | 72     | 61.3 | 27.2 | 3.53 | 58.5 | 27.8 | 3.83 | 55.7 | 26.9 | 4.18 | 52.7 | 26.9 | 4.55 | 49.62 | 26.67 | 4.98 | 46.33 | 26.91 | 5.47 |
|       | 75     | 63     | 51.7 | 34.1 | 3.34 | 49.4 | 34.3 | 3.65 | 46.9 | 33.3 | 3.98 | 44.2 | 33.0 | 4.35 | 41.39 | 32.55 | 4.78 | 38.33 | 32.18 | 5.25 |

ES4BD-060KB with C7B(A,H)M060(C,U)-C

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1300  | 80     | 62     | 55.8 | 39.0 | 3.54 | 53.5 | 38.6 | 3.91 | 51.0 | 38.6 | 4.30 | 48.3 | 37.7 | 4.75 | 45.23 | 39.46 | 5.26 | 41.87 | 36.53 | 5.83 |
|       | 80     | 67     | 61.9 | 33.0 | 3.64 | 59.4 | 32.7 | 4.00 | 56.7 | 32.9 | 4.41 | 53.8 | 32.2 | 4.87 | 50.74 | 31.49 | 5.39 | 47.49 | 28.03 | 5.97 |
|       | 80     | 72     | 68.5 | 26.6 | 3.79 | 65.8 | 26.4 | 4.15 | 63.0 | 26.9 | 4.58 | 60.0 | 26.2 | 5.03 | 56.77 | 25.69 | 5.56 | 53.30 | 26.29 | 6.15 |
|       | 75     | 62     | 55.7 | 33.3 | 3.54 | 53.4 | 32.8 | 3.90 | 50.9 | 32.9 | 4.30 | 48.2 | 32.0 | 4.75 | 45.10 | 28.87 | 5.25 | 41.76 | 31.13 | 5.83 |
| 1450  | 80     | 62     | 57.4 | 41.2 | 3.62 | 55.0 | 42.0 | 3.98 | 52.4 | 40.8 | 4.38 | 49.5 | 40.2 | 4.83 | 46.48 | 39.87 | 5.35 | 43.04 | 39.04 | 5.92 |
|       | 80     | 67     | 63.4 | 34.6 | 3.73 | 60.8 | 35.6 | 4.09 | 58.1 | 34.6 | 4.50 | 55.2 | 34.1 | 4.96 | 51.99 | 33.98 | 5.48 | 48.54 | 33.80 | 6.06 |
|       | 80     | 72     | 70.2 | 27.6 | 3.89 | 67.5 | 28.9 | 4.25 | 64.5 | 27.9 | 4.68 | 61.4 | 27.6 | 5.13 | 58.02 | 27.71 | 5.66 | 54.43 | 27.82 | 6.25 |
|       | 75     | 62     | 57.2 | 34.9 | 3.62 | 54.8 | 35.7 | 3.98 | 52.2 | 34.6 | 4.38 | 49.4 | 33.9 | 4.83 | 46.33 | 33.62 | 5.35 | 42.91 | 33.18 | 5.91 |
| 1600  | 80     | 62     | 58.7 | 43.9 | 3.70 | 56.2 | 44.1 | 4.07 | 53.5 | 42.9 | 4.46 | 50.6 | 42.2 | 4.91 | 47.42 | 41.55 | 5.43 | 43.98 | 41.19 | 6.00 |
|       | 80     | 67     | 64.8 | 36.8 | 3.82 | 62.2 | 37.2 | 4.18 | 59.3 | 36.1 | 4.58 | 56.3 | 35.9 | 5.05 | 52.99 | 35.51 | 5.57 | 49.49 | 35.56 | 6.15 |
|       | 80     | 72     | 71.7 | 29.3 | 3.98 | 68.8 | 29.9 | 4.34 | 65.8 | 28.9 | 4.76 | 62.5 | 28.9 | 5.23 | 59.04 | 28.71 | 5.76 | 55.24 | 29.05 | 6.34 |
|       | 75     | 62     | 58.6 | 37.0 | 3.70 | 56.1 | 37.3 | 4.06 | 53.3 | 36.1 | 4.46 | 50.4 | 35.7 | 4.91 | 47.36 | 35.20 | 5.43 | 43.80 | 34.93 | 5.99 |

# COOLING EXPANDED RATINGS

ES4BD-018KB with B6BMM024K-(A,B)

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 400   | 80     | 62     | 17.3 | 12.5 | 1.08 | 16.6 | 12.5 | 1.20 | 15.9 | 12.6 | 1.32 | 15.1 | 12.3 | 1.46 | 14.16 | 12.96 | 1.62 | 13.16 | 12.05 | 1.79 |
|       | 80     | 67     | 19.2 | 10.5 | 1.10 | 18.4 | 10.4 | 1.22 | 17.6 | 10.5 | 1.35 | 16.7 | 10.2 | 1.49 | 15.70 | 10.04 | 1.64 | 14.61 | 9.13  | 1.81 |
|       | 80     | 72     | 21.3 | 8.4  | 1.13 | 20.5 | 8.3  | 1.25 | 19.6 | 8.5  | 1.38 | 18.6 | 8.3  | 1.52 | 17.57 | 8.10  | 1.68 | 16.44 | 8.27  | 1.86 |
|       | 75     | 63     | 17.6 | 10.2 | 1.09 | 16.9 | 10.0 | 1.20 | 16.1 | 10.1 | 1.33 | 15.3 | 9.8  | 1.46 | 14.33 | 8.93  | 1.62 | 13.30 | 9.65  | 1.79 |
| 550   | 80     | 62     | 18.7 | 15.2 | 1.15 | 17.9 | 15.4 | 1.27 | 17.1 | 15.1 | 1.39 | 16.2 | 14.9 | 1.53 | 15.31 | 14.74 | 1.69 | 14.44 | 14.32 | 1.86 |
|       | 80     | 67     | 20.5 | 12.2 | 1.17 | 19.6 | 12.6 | 1.29 | 18.7 | 12.2 | 1.42 | 17.7 | 12.1 | 1.56 | 16.63 | 12.03 | 1.71 | 15.49 | 11.95 | 1.89 |
|       | 80     | 72     | 22.7 | 9.5  | 1.21 | 21.8 | 9.9  | 1.33 | 20.8 | 9.6  | 1.46 | 19.7 | 9.5  | 1.60 | 18.51 | 9.52  | 1.76 | 17.25 | 9.54  | 1.94 |
|       | 75     | 63     | 18.8 | 11.8 | 1.15 | 18.0 | 12.1 | 1.27 | 17.2 | 11.7 | 1.39 | 16.2 | 11.5 | 1.53 | 15.22 | 11.46 | 1.69 | 14.18 | 11.54 | 1.86 |
| 700   | 80     | 62     | 19.7 | 17.7 | 1.22 | 19.0 | 17.6 | 1.34 | 18.2 | 17.0 | 1.47 | 17.4 | 16.5 | 1.61 | 16.49 | 15.93 | 1.76 | 15.49 | 15.43 | 1.94 |
|       | 80     | 67     | 21.3 | 14.0 | 1.24 | 20.4 | 14.1 | 1.36 | 19.4 | 13.8 | 1.49 | 18.4 | 14.0 | 1.63 | 17.23 | 13.84 | 1.78 | 16.04 | 13.84 | 1.96 |
|       | 80     | 72     | 23.5 | 10.7 | 1.28 | 22.5 | 10.9 | 1.40 | 21.4 | 10.6 | 1.53 | 20.1 | 10.6 | 1.67 | 18.88 | 10.50 | 1.83 | 17.58 | 10.55 | 2.00 |
|       | 75     | 63     | 19.6 | 13.4 | 1.21 | 18.8 | 13.6 | 1.34 | 17.9 | 13.5 | 1.46 | 16.9 | 13.3 | 1.60 | 15.82 | 13.16 | 1.75 | 14.66 | 13.09 | 1.92 |

ES4BD-024KB with B6BMM024K-(A,B)

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 550   | 80     | 62     | 22.6 | 16.1 | 1.37 | 21.8 | 16.0 | 1.53 | 21.0 | 16.1 | 1.70 | 20.1 | 16.2 | 1.91 | 19.05 | 17.15 | 2.13 | 17.84 | 16.07 | 2.38 |
|       | 80     | 67     | 24.9 | 13.5 | 1.42 | 24.1 | 13.4 | 1.58 | 23.2 | 13.6 | 1.76 | 22.2 | 13.4 | 1.95 | 21.05 | 13.15 | 2.18 | 19.77 | 12.03 | 2.43 |
|       | 80     | 72     | 27.5 | 10.8 | 1.49 | 26.6 | 10.7 | 1.66 | 25.6 | 11.0 | 1.83 | 24.6 | 10.8 | 2.04 | 23.36 | 10.63 | 2.27 | 21.94 | 10.88 | 2.54 |
|       | 75     | 63     | 23.0 | 13.1 | 1.38 | 22.2 | 13.0 | 1.54 | 21.4 | 13.2 | 1.71 | 20.4 | 12.9 | 1.91 | 19.33 | 11.83 | 2.14 | 18.07 | 12.74 | 2.39 |
| 700   | 80     | 62     | 24.0 | 18.8 | 1.44 | 23.1 | 19.3 | 1.60 | 22.2 | 18.9 | 1.78 | 21.2 | 18.7 | 1.97 | 20.13 | 18.69 | 2.20 | 18.90 | 18.60 | 2.45 |
|       | 80     | 67     | 26.3 | 15.1 | 1.50 | 25.4 | 15.6 | 1.66 | 24.4 | 15.2 | 1.84 | 23.3 | 15.1 | 2.04 | 22.06 | 15.11 | 2.26 | 20.64 | 15.07 | 2.51 |
|       | 80     | 72     | 28.9 | 11.7 | 1.58 | 28.0 | 12.4 | 1.75 | 26.9 | 12.0 | 1.93 | 25.7 | 11.9 | 2.13 | 24.40 | 12.04 | 2.36 | 22.84 | 12.08 | 2.63 |
|       | 75     | 63     | 24.3 | 14.6 | 1.45 | 23.4 | 15.1 | 1.61 | 22.5 | 14.7 | 1.78 | 21.4 | 14.5 | 1.98 | 20.24 | 14.47 | 2.20 | 18.95 | 14.40 | 2.45 |
| 850   | 80     | 62     | 24.9 | 21.3 | 1.51 | 24.1 | 21.5 | 1.67 | 23.2 | 21.1 | 1.85 | 22.2 | 20.9 | 2.05 | 21.36 | 20.63 | 2.28 | 20.21 | 20.12 | 2.54 |
|       | 80     | 67     | 27.2 | 16.8 | 1.57 | 26.2 | 17.0 | 1.74 | 25.2 | 16.7 | 1.91 | 24.0 | 16.6 | 2.11 | 22.73 | 16.55 | 2.33 | 21.24 | 16.61 | 2.59 |
|       | 80     | 72     | 30.0 | 12.9 | 1.66 | 28.9 | 13.3 | 1.83 | 27.7 | 12.9 | 2.01 | 26.5 | 13.0 | 2.21 | 25.04 | 12.95 | 2.45 | 23.39 | 13.10 | 2.72 |
|       | 75     | 63     | 25.1 | 16.2 | 1.51 | 24.2 | 16.4 | 1.67 | 23.2 | 16.0 | 1.85 | 22.1 | 16.0 | 2.04 | 20.88 | 15.81 | 2.27 | 19.53 | 15.83 | 2.52 |

ES4BD-030KB with B6BMM030K-(A,B)

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 750   | 80     | 62     | 28.4 | 20.8 | 1.79 | 27.4 | 20.6 | 1.97 | 26.3 | 20.8 | 2.17 | 25.2 | 21.0 | 2.41 | 23.85 | 22.25 | 2.68 | 22.38 | 20.87 | 2.99 |
|       | 80     | 67     | 31.3 | 17.3 | 1.86 | 30.2 | 17.2 | 2.05 | 29.0 | 17.4 | 2.25 | 27.7 | 17.1 | 2.49 | 26.24 | 16.83 | 2.76 | 24.60 | 15.51 | 3.08 |
|       | 80     | 72     | 34.5 | 13.7 | 1.95 | 33.3 | 13.6 | 2.14 | 32.0 | 13.9 | 2.35 | 30.6 | 13.6 | 2.59 | 28.99 | 13.43 | 2.88 | 27.16 | 13.74 | 3.22 |
|       | 75     | 63     | 29.0 | 16.8 | 1.80 | 27.9 | 16.7 | 1.98 | 26.8 | 16.9 | 2.19 | 25.5 | 16.5 | 2.42 | 24.15 | 15.18 | 2.69 | 22.62 | 16.33 | 3.00 |
| 900   | 80     | 62     | 29.7 | 23.7 | 1.87 | 28.6 | 24.2 | 2.05 | 27.4 | 23.7 | 2.26 | 26.2 | 23.5 | 2.49 | 24.79 | 23.46 | 2.76 | 23.51 | 23.24 | 3.08 |
|       | 80     | 67     | 32.5 | 18.8 | 1.94 | 31.3 | 19.4 | 2.13 | 30.0 | 18.9 | 2.33 | 28.6 | 18.8 | 2.57 | 27.05 | 18.79 | 2.85 | 25.28 | 18.74 | 3.17 |
|       | 80     | 72     | 35.8 | 14.6 | 2.03 | 34.5 | 15.3 | 2.22 | 33.1 | 14.9 | 2.44 | 31.6 | 14.8 | 2.69 | 29.81 | 14.87 | 2.98 | 27.90 | 14.93 | 3.31 |
|       | 75     | 63     | 30.0 | 18.2 | 1.88 | 28.9 | 18.8 | 2.06 | 27.7 | 18.3 | 2.26 | 26.4 | 18.1 | 2.50 | 24.93 | 18.02 | 2.77 | 23.30 | 17.93 | 3.07 |
| 1050  | 80     | 62     | 30.6 | 26.2 | 1.94 | 29.5 | 26.4 | 2.13 | 28.3 | 25.9 | 2.33 | 27.2 | 25.7 | 2.58 | 26.05 | 25.17 | 2.86 | 24.62 | 24.51 | 3.19 |
|       | 80     | 67     | 33.4 | 20.6 | 2.02 | 32.1 | 20.8 | 2.20 | 30.7 | 20.4 | 2.41 | 29.3 | 20.3 | 2.65 | 27.65 | 20.20 | 2.92 | 25.78 | 20.25 | 3.25 |
|       | 80     | 72     | 36.8 | 15.9 | 2.11 | 35.4 | 16.3 | 2.30 | 33.9 | 15.8 | 2.52 | 32.3 | 15.8 | 2.77 | 30.41 | 15.76 | 3.06 | 28.47 | 15.97 | 3.39 |
|       | 75     | 63     | 30.9 | 19.9 | 1.95 | 29.7 | 20.1 | 2.13 | 28.4 | 19.6 | 2.34 | 27.0 | 19.5 | 2.57 | 25.50 | 19.33 | 2.84 | 23.79 | 19.33 | 3.15 |

ES4BD-036KB with B6BMM036K-B

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1000  | 80     | 62     | 35.4 | 26.9 | 2.25 | 34.2 | 26.7 | 2.47 | 32.7 | 26.8 | 2.72 | 31.1 | 26.3 | 3.01 | 29.31 | 27.64 | 3.35 | 27.16 | 25.61 | 3.78 |
|       | 80     | 67     | 39.0 | 22.4 | 2.33 | 37.5 | 22.3 | 2.55 | 36.0 | 22.5 | 2.81 | 34.3 | 22.1 | 3.11 | 32.18 | 21.67 | 3.48 | 30.17 | 19.73 | 3.86 |
|       | 80     | 72     | 43.0 | 17.5 | 2.43 | 41.5 | 17.5 | 2.67 | 39.8 | 17.9 | 2.94 | 37.8 | 17.5 | 3.25 | 35.83 | 17.22 | 3.59 | 33.63 | 17.65 | 3.97 |
|       | 75     | 63     | 36.0 | 21.7 | 2.26 | 34.6 | 21.6 | 2.48 | 33.2 | 21.7 | 2.73 | 31.5 | 21.3 | 3.02 | 29.62 | 19.28 | 3.37 | 27.46 | 20.82 | 3.79 |
| 1150  | 80     | 62     | 36.4 | 28.8 | 2.32 | 35.0 | 29.4 | 2.55 | 33.5 | 28.7 | 2.80 | 31.9 | 28.3 | 3.09 | 30.02 | 27.97 | 3.45 | 28.00 | 27.42 | 3.86 |
|       | 80     | 67     | 39.9 | 23.9 | 2.41 | 38.5 | 24.6 | 2.63 | 36.8 | 24.0 | 2.89 | 34.9 | 23.7 | 3.19 | 32.94 | 23.69 | 3.55 | 30.80 | 23.63 | 3.93 |
|       | 80     | 72     | 44.0 | 18.5 | 2.51 | 42.4 | 19.4 | 2.75 | 40.5 | 18.8 | 3.02 | 38.6 | 18.6 | 3.32 | 36.43 | 18.77 | 3.67 | 34.16 | 18.88 | 4.06 |
|       | 75     | 63     | 36.9 | 23.1 | 2.33 | 35.5 | 23.7 | 2.56 | 33.9 | 23.1 | 2.81 | 32.3 | 22.8 | 3.10 | 30.27 | 22.64 | 3.45 | 28.05 | 22.42 | 3.86 |
| 1300  | 80     | 62     | 37.1 | 30.9 | 2.39 | 35.8 | 31.1 | 2.62 | 34.3 | 30.4 | 2.87 | 32.6 | 30.0 | 3.16 | 30.72 | 29.32 | 3.53 | 28.80 | 28.68 | 3.93 |
|       | 80     | 67     | 40.6 | 25.6 | 2.48 | 39.1 | 26.0 | 2.71 | 37.4 | 25.4 | 2.96 | 35.5 | 25.3 | 3.27 | 33.46 | 25.07 | 3.62 | 31.29 | 25.14 | 4.00 |
|       | 80     | 72     | 44.7 | 19.8 | 2.59 | 43.0 | 20.3 | 2.82 | 41.0 | 19.7 | 3.10 | 39.1 | 19.7 | 3.40 | 36.93 | 19.63 | 3.74 | 34.66 | 19.88 | 4.14 |
|       | 75     | 63     | 37.5 | 24.7 | 2.40 | 36.1 | 25.0 | 2.63 | 34.5 | 24.4 | 2.88 | 32.8 | 24.2 | 3.17 | 30.67 | 23.88 | 3.53 | 28.52 | 23.66 | 3.92 |

# COOLING EXPANDED RATINGS (CONTINUED)

ES4BD-042KB with B6BMM042K-B

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1200  | 80     | 62     | 40.5 | 31.7 | 2.61 | 39.1 | 31.5 | 2.82 | 37.6 | 31.7 | 3.06 | 35.8 | 31.1 | 3.33 | 33.79 | 32.47 | 3.67 | 31.65 | 30.42 | 4.05 |
|       | 80     | 67     | 44.5 | 26.3 | 2.69 | 42.9 | 26.2 | 2.91 | 41.1 | 26.5 | 3.16 | 39.2 | 26.0 | 3.44 | 37.17 | 25.58 | 3.77 | 34.92 | 23.46 | 4.13 |
|       | 80     | 72     | 49.2 | 20.4 | 2.79 | 47.3 | 20.4 | 3.02 | 45.4 | 20.8 | 3.28 | 43.3 | 20.4 | 3.57 | 40.95 | 20.17 | 3.90 | 38.44 | 20.69 | 4.27 |
|       | 75     | 63     | 41.1 | 25.4 | 2.63 | 39.6 | 25.3 | 2.83 | 38.0 | 25.5 | 3.07 | 36.2 | 25.0 | 3.34 | 34.19 | 22.87 | 3.68 | 31.92 | 24.64 | 4.05 |
| 1350  | 80     | 62     | 41.4 | 33.6 | 2.69 | 39.9 | 34.3 | 2.89 | 38.3 | 33.5 | 3.14 | 36.5 | 33.1 | 3.41 | 34.50 | 32.71 | 3.75 | 32.44 | 32.17 | 4.13 |
|       | 80     | 67     | 45.3 | 27.7 | 2.77 | 43.6 | 28.6 | 2.99 | 41.8 | 27.9 | 3.24 | 39.8 | 27.6 | 3.52 | 37.72 | 27.64 | 3.84 | 35.45 | 27.61 | 4.21 |
|       | 80     | 72     | 50.0 | 21.4 | 2.87 | 48.0 | 22.4 | 3.10 | 46.0 | 21.8 | 3.36 | 43.7 | 21.6 | 3.65 | 41.34 | 21.77 | 3.98 | 38.89 | 21.89 | 4.35 |
|       | 75     | 63     | 41.9 | 26.8 | 2.70 | 40.3 | 27.5 | 2.91 | 38.7 | 26.8 | 3.15 | 36.8 | 26.5 | 3.42 | 34.72 | 26.39 | 3.76 | 32.45 | 26.24 | 4.13 |
| 1500  | 80     | 62     | 42.2 | 35.8 | 2.76 | 40.6 | 36.0 | 2.98 | 38.9 | 35.1 | 3.22 | 37.2 | 34.7 | 3.50 | 35.18 | 33.99 | 3.83 | 33.33 | 33.19 | 4.21 |
|       | 80     | 67     | 46.0 | 29.6 | 2.84 | 44.3 | 30.0 | 3.06 | 42.4 | 29.3 | 3.32 | 40.4 | 29.2 | 3.60 | 38.21 | 29.00 | 3.92 | 35.86 | 29.12 | 4.29 |
|       | 80     | 72     | 50.5 | 22.8 | 2.94 | 48.5 | 23.3 | 3.17 | 46.4 | 22.6 | 3.44 | 44.2 | 22.7 | 3.73 | 41.80 | 22.59 | 4.06 | 39.23 | 22.86 | 4.43 |
|       | 75     | 63     | 42.5 | 28.5 | 2.77 | 40.9 | 28.8 | 2.99 | 39.2 | 28.1 | 3.22 | 37.3 | 28.0 | 3.50 | 35.15 | 27.66 | 3.83 | 32.85 | 27.49 | 4.20 |

ES4BD-048KB with B6BMM048K-(B,C)

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1200  | 80     | 62     | 47.9 | 35.0 | 2.99 | 45.8 | 34.6 | 3.31 | 43.3 | 34.4 | 3.65 | 40.8 | 33.6 | 4.02 | 37.96 | 34.66 | 4.43 | 36.36 | 33.20 | 4.66 |
|       | 80     | 67     | 52.9 | 29.2 | 3.07 | 50.6 | 28.9 | 3.39 | 48.2 | 29.1 | 3.72 | 45.7 | 28.4 | 4.09 | 42.78 | 27.79 | 4.52 | 39.79 | 25.59 | 4.98 |
|       | 80     | 72     | 58.4 | 23.2 | 3.16 | 56.1 | 23.0 | 3.47 | 53.5 | 23.4 | 3.81 | 50.7 | 22.8 | 4.19 | 47.77 | 22.29 | 4.61 | 44.56 | 22.74 | 5.08 |
|       | 75     | 63     | 48.8 | 28.4 | 3.00 | 46.6 | 28.0 | 3.32 | 44.2 | 28.0 | 3.67 | 41.7 | 27.3 | 4.03 | 38.86 | 24.30 | 4.45 | 35.62 | 26.38 | 4.91 |
| 1350  | 80     | 62     | 49.1 | 37.0 | 3.06 | 46.9 | 37.6 | 3.38 | 44.4 | 36.5 | 3.73 | 41.8 | 35.9 | 4.09 | 39.01 | 35.44 | 4.51 | 37.45 | 35.61 | 4.74 |
|       | 80     | 67     | 54.2 | 30.8 | 3.15 | 51.8 | 31.7 | 3.46 | 49.4 | 30.7 | 3.80 | 46.7 | 30.3 | 4.17 | 43.74 | 30.13 | 4.59 | 40.61 | 29.94 | 5.06 |
|       | 80     | 72     | 59.8 | 24.1 | 3.24 | 57.3 | 25.3 | 3.55 | 54.6 | 24.4 | 3.89 | 51.8 | 24.1 | 4.27 | 48.71 | 24.12 | 4.69 | 45.46 | 24.15 | 5.17 |
|       | 75     | 63     | 50.0 | 29.9 | 3.08 | 47.7 | 30.5 | 3.40 | 45.3 | 29.6 | 3.74 | 42.7 | 29.0 | 4.11 | 39.85 | 28.71 | 4.53 | 36.52 | 28.24 | 4.98 |
| 1500  | 80     | 62     | 50.1 | 39.5 | 3.14 | 47.8 | 39.6 | 3.46 | 45.3 | 38.5 | 3.80 | 42.7 | 38.0 | 4.16 | 39.88 | 37.30 | 4.58 | 38.40 | 37.59 | 4.81 |
|       | 80     | 67     | 55.3 | 32.9 | 3.22 | 52.9 | 33.2 | 3.53 | 50.3 | 32.3 | 3.87 | 47.5 | 32.0 | 4.24 | 44.44 | 31.65 | 4.67 | 41.21 | 31.62 | 5.13 |
|       | 80     | 72     | 60.9 | 25.7 | 3.32 | 58.4 | 26.2 | 3.63 | 55.6 | 25.3 | 3.97 | 52.6 | 25.3 | 4.35 | 49.46 | 25.08 | 4.77 | 46.09 | 25.32 | 5.25 |
|       | 75     | 63     | 51.0 | 31.8 | 3.16 | 48.6 | 32.0 | 3.48 | 46.2 | 31.0 | 3.81 | 43.5 | 30.6 | 4.18 | 40.53 | 30.13 | 4.60 | 37.24 | 29.85 | 5.06 |

ES4BD-060KB with B6BMM060K-C

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1800  | 80     | 62     | 60.2 | 45.0 | 3.78 | 57.6 | 44.4 | 4.15 | 54.8 | 44.4 | 4.56 | 51.9 | 43.3 | 5.02 | 48.66 | 44.96 | 5.53 | 45.11 | 41.68 | 6.11 |
|       | 80     | 67     | 65.5 | 37.5 | 3.89 | 62.7 | 37.0 | 4.25 | 59.9 | 37.2 | 4.66 | 56.8 | 36.3 | 5.12 | 53.54 | 35.45 | 5.64 | 50.03 | 32.06 | 6.22 |
|       | 80     | 72     | 71.5 | 30.0 | 4.02 | 67.8 | 29.7 | 4.36 | 64.6 | 30.1 | 4.77 | 61.4 | 29.3 | 5.23 | 57.92 | 28.59 | 5.75 | 54.16 | 28.97 | 6.33 |
|       | 75     | 63     | 60.5 | 36.3 | 3.78 | 57.8 | 35.7 | 4.17 | 55.1 | 35.8 | 4.57 | 52.1 | 34.7 | 5.02 | 48.80 | 31.18 | 5.54 | 45.15 | 33.49 | 6.11 |
| 1950  | 80     | 62     | 61.1 | 46.7 | 3.85 | 58.4 | 47.4 | 4.23 | 55.7 | 45.8 | 4.64 | 52.7 | 45.0 | 5.09 | 49.37 | 44.36 | 5.61 | 45.85 | 43.57 | 6.18 |
|       | 80     | 67     | 66.4 | 38.6 | 3.96 | 63.6 | 39.6 | 4.33 | 60.7 | 38.4 | 4.74 | 57.6 | 37.7 | 5.20 | 54.22 | 37.47 | 5.71 | 50.60 | 37.08 | 6.29 |
|       | 80     | 72     | 71.7 | 30.7 | 4.08 | 68.7 | 31.9 | 4.44 | 65.6 | 30.8 | 4.85 | 62.2 | 30.3 | 5.31 | 58.62 | 30.21 | 5.83 | 54.80 | 30.06 | 6.41 |
|       | 75     | 63     | 61.4 | 37.4 | 3.86 | 58.7 | 38.1 | 4.24 | 55.9 | 36.8 | 4.64 | 52.8 | 36.1 | 5.09 | 49.47 | 35.58 | 5.61 | 45.82 | 34.96 | 6.18 |
| 2100  | 80     | 62     | 61.9 | 49.0 | 3.92 | 59.1 | 48.6 | 4.30 | 56.3 | 47.3 | 4.70 | 53.3 | 46.7 | 5.16 | 50.00 | 45.80 | 5.68 | 46.51 | 45.12 | 6.25 |
|       | 80     | 67     | 67.2 | 40.4 | 4.04 | 64.4 | 40.7 | 4.40 | 61.4 | 39.5 | 4.81 | 58.2 | 39.1 | 5.27 | 54.82 | 38.54 | 5.79 | 51.15 | 38.36 | 6.36 |
|       | 80     | 72     | 72.5 | 32.0 | 4.15 | 69.5 | 32.6 | 4.52 | 66.3 | 31.4 | 4.93 | 62.9 | 31.2 | 5.39 | 59.21 | 30.81 | 5.90 | 55.32 | 30.87 | 6.48 |
|       | 75     | 63     | 62.2 | 39.0 | 3.93 | 59.4 | 39.2 | 4.30 | 56.5 | 37.9 | 4.71 | 53.4 | 37.3 | 5.16 | 50.05 | 36.60 | 5.68 | 46.36 | 36.12 | 6.25 |

# COOLING EXPANDED RATINGS WITH AIR HANDLER

ES4BD-018KB B6EMMX24K-A

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 525   | 80     | 62     | 18.3 | 14.6 | 0.99 | 17.7 | 14.5 | 1.13 | 16.9 | 14.6 | 1.27 | 16.2 | 14.4 | 1.44 | 15.35 | 15.03 | 1.62 | 14.46 | 14.16 | 1.85 |
|       | 80     | 67     | 19.9 | 11.8 | 0.99 | 19.2 | 11.7 | 1.13 | 18.3 | 11.8 | 1.29 | 17.5 | 11.6 | 1.45 | 16.50 | 11.38 | 1.64 | 15.48 | 10.74 | 1.86 |
|       | 80     | 72     | 22.0 | 9.1  | 1.00 | 21.2 | 9.1  | 1.15 | 20.2 | 9.2  | 1.30 | 19.2 | 9.0  | 1.48 | 18.09 | 8.90  | 1.68 | 16.98 | 9.14  | 1.88 |
|       | 75     | 62     | 18.1 | 11.9 | 0.99 | 17.5 | 11.8 | 1.13 | 16.7 | 11.9 | 1.27 | 15.9 | 11.6 | 1.44 | 15.09 | 10.75 | 1.62 | 14.18 | 11.77 | 1.83 |
| 600   | 80     | 62     | 18.9 | 15.8 | 1.00 | 18.2 | 16.1 | 1.14 | 17.4 | 15.8 | 1.29 | 16.7 | 15.6 | 1.45 | 15.94 | 15.40 | 1.64 | 15.06 | 14.93 | 1.87 |
|       | 80     | 67     | 20.4 | 12.5 | 1.00 | 19.6 | 12.9 | 1.15 | 18.8 | 12.6 | 1.30 | 17.9 | 12.4 | 1.47 | 16.80 | 12.40 | 1.67 | 15.78 | 12.39 | 1.87 |
|       | 80     | 72     | 22.5 | 9.6  | 1.01 | 21.6 | 10.1 | 1.16 | 20.6 | 9.8  | 1.32 | 19.4 | 9.6  | 1.50 | 18.25 | 9.73  | 1.69 | 17.11 | 9.77  | 1.89 |
|       | 75     | 62     | 18.6 | 12.7 | 1.00 | 17.9 | 13.0 | 1.14 | 17.1 | 12.7 | 1.29 | 16.3 | 12.8 | 1.45 | 15.44 | 12.78 | 1.63 | 14.43 | 12.70 | 1.86 |
| 675   | 80     | 62     | 19.4 | 17.1 | 1.01 | 18.6 | 17.2 | 1.15 | 18.0 | 16.7 | 1.30 | 17.3 | 16.4 | 1.47 | 16.44 | 15.88 | 1.66 | 15.53 | 15.47 | 1.88 |
|       | 80     | 67     | 20.8 | 13.5 | 1.01 | 20.0 | 13.6 | 1.16 | 19.1 | 13.3 | 1.31 | 18.2 | 13.3 | 1.48 | 17.09 | 13.46 | 1.69 | 16.06 | 13.53 | 1.89 |
|       | 80     | 72     | 22.9 | 10.3 | 1.02 | 21.9 | 10.6 | 1.17 | 20.8 | 10.3 | 1.33 | 19.6 | 10.2 | 1.52 | 18.50 | 10.16 | 1.70 | 17.37 | 10.27 | 1.91 |
|       | 75     | 62     | 19.0 | 13.6 | 1.01 | 18.3 | 14.1 | 1.15 | 17.5 | 13.8 | 1.30 | 16.6 | 13.7 | 1.46 | 15.71 | 13.58 | 1.65 | 14.68 | 13.57 | 1.87 |

ES4BD-024KB B6EMMX24K-A

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 700   | 80     | 62     | 24.5 | 19.2 | 1.32 | 23.7 | 19.1 | 1.50 | 22.8 | 19.2 | 1.70 | 21.7 | 18.8 | 1.93 | 20.67 | 19.81 | 2.17 | 19.55 | 18.74 | 2.44 |
|       | 80     | 67     | 26.6 | 15.4 | 1.34 | 25.6 | 15.3 | 1.52 | 24.5 | 15.5 | 1.73 | 23.5 | 15.2 | 1.95 | 22.34 | 14.99 | 2.19 | 21.10 | 14.08 | 2.45 |
|       | 80     | 72     | 29.3 | 12.0 | 1.38 | 28.2 | 12.0 | 1.58 | 27.1 | 12.3 | 1.77 | 25.9 | 12.1 | 1.98 | 24.56 | 11.93 | 2.22 | 23.00 | 12.28 | 2.48 |
|       | 75     | 62     | 24.3 | 15.6 | 1.32 | 23.4 | 15.5 | 1.50 | 22.5 | 15.6 | 1.69 | 21.4 | 15.3 | 1.93 | 20.36 | 14.18 | 2.17 | 19.19 | 15.17 | 2.43 |
| 800   | 80     | 62     | 25.2 | 20.6 | 1.35 | 24.3 | 21.1 | 1.52 | 23.3 | 20.6 | 1.73 | 22.3 | 20.4 | 1.95 | 21.28 | 20.40 | 2.19 | 20.33 | 20.13 | 2.46 |
|       | 80     | 67     | 27.2 | 16.4 | 1.36 | 26.2 | 16.9 | 1.55 | 25.1 | 16.4 | 1.76 | 24.0 | 16.3 | 1.97 | 22.82 | 16.31 | 2.21 | 21.54 | 16.31 | 2.47 |
|       | 80     | 72     | 29.9 | 12.7 | 1.41 | 28.7 | 13.3 | 1.60 | 27.5 | 12.9 | 1.80 | 26.0 | 12.9 | 2.00 | 24.67 | 12.94 | 2.24 | 23.30 | 13.02 | 2.50 |
|       | 75     | 62     | 24.9 | 16.6 | 1.34 | 24.0 | 17.0 | 1.52 | 23.0 | 16.6 | 1.72 | 21.9 | 16.4 | 1.95 | 20.81 | 16.34 | 2.19 | 19.64 | 16.72 | 2.45 |
| 900   | 80     | 62     | 25.8 | 22.3 | 1.37 | 24.9 | 22.5 | 1.55 | 23.9 | 22.0 | 1.76 | 23.0 | 21.8 | 1.98 | 22.09 | 21.34 | 2.22 | 20.99 | 20.90 | 2.48 |
|       | 80     | 67     | 27.7 | 17.5 | 1.39 | 26.7 | 17.8 | 1.58 | 25.6 | 17.3 | 1.78 | 24.4 | 17.3 | 2.00 | 23.22 | 17.20 | 2.23 | 21.89 | 17.29 | 2.50 |
|       | 80     | 72     | 30.1 | 13.6 | 1.43 | 28.8 | 13.9 | 1.63 | 27.6 | 13.5 | 1.82 | 26.4 | 13.5 | 2.03 | 25.09 | 13.47 | 2.27 | 23.66 | 13.63 | 2.53 |
|       | 75     | 62     | 25.4 | 17.8 | 1.36 | 24.5 | 17.9 | 1.54 | 23.4 | 17.5 | 1.75 | 22.3 | 17.4 | 1.97 | 21.20 | 17.76 | 2.21 | 19.99 | 17.79 | 2.48 |

ES4BD-030KB B6EMMX30K-A

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 875   | 80     | 62     | 30.0 | 24.1 | 1.66 | 28.9 | 23.9 | 1.86 | 27.6 | 23.9 | 2.07 | 26.3 | 23.5 | 2.32 | 24.87 | 24.33 | 2.60 | 23.37 | 22.86 | 2.91 |
|       | 80     | 67     | 32.6 | 19.8 | 1.68 | 31.3 | 19.6 | 1.88 | 29.9 | 19.8 | 2.10 | 28.4 | 19.5 | 2.34 | 26.82 | 19.13 | 2.62 | 24.92 | 17.99 | 2.97 |
|       | 80     | 72     | 35.8 | 15.2 | 1.71 | 34.3 | 15.1 | 1.91 | 32.7 | 15.4 | 2.13 | 31.0 | 15.1 | 2.38 | 28.96 | 14.81 | 2.68 | 26.69 | 14.99 | 3.04 |
|       | 75     | 62     | 29.8 | 20.1 | 1.66 | 28.6 | 19.9 | 1.86 | 27.4 | 20.0 | 2.07 | 26.0 | 19.6 | 2.31 | 24.57 | 17.94 | 2.59 | 22.96 | 19.27 | 2.91 |
| 1000  | 80     | 62     | 30.7 | 25.8 | 1.70 | 29.5 | 26.2 | 1.90 | 28.3 | 25.6 | 2.11 | 26.9 | 25.1 | 2.35 | 25.53 | 24.67 | 2.63 | 24.08 | 23.88 | 2.96 |
|       | 80     | 67     | 33.3 | 21.1 | 1.71 | 31.9 | 21.7 | 1.91 | 30.4 | 21.1 | 2.13 | 28.9 | 20.9 | 2.37 | 27.25 | 20.81 | 2.65 | 25.21 | 20.62 | 3.01 |
|       | 80     | 72     | 36.4 | 16.1 | 1.74 | 34.8 | 16.8 | 1.94 | 33.0 | 16.3 | 2.16 | 31.3 | 16.1 | 2.41 | 29.23 | 16.06 | 2.72 | 27.06 | 15.98 | 3.07 |
|       | 75     | 62     | 30.4 | 21.3 | 1.69 | 29.2 | 21.8 | 1.89 | 27.9 | 21.3 | 2.10 | 26.5 | 21.0 | 2.35 | 25.00 | 20.88 | 2.62 | 23.34 | 20.71 | 2.94 |
| 1125  | 80     | 62     | 31.4 | 27.7 | 1.73 | 30.1 | 27.7 | 1.92 | 28.9 | 26.8 | 2.14 | 27.6 | 26.2 | 2.39 | 26.24 | 25.36 | 2.67 | 24.61 | 24.51 | 3.02 |
|       | 80     | 67     | 33.8 | 22.7 | 1.75 | 32.4 | 23.0 | 1.95 | 30.9 | 22.3 | 2.16 | 29.3 | 22.2 | 2.41 | 27.58 | 22.02 | 2.69 | 25.48 | 21.91 | 3.05 |
|       | 80     | 72     | 36.7 | 17.3 | 1.77 | 35.0 | 17.6 | 1.98 | 33.4 | 17.0 | 2.20 | 31.7 | 17.0 | 2.44 | 29.50 | 16.78 | 2.77 | 27.34 | 16.83 | 3.10 |
|       | 75     | 62     | 31.0 | 22.9 | 1.72 | 29.7 | 23.1 | 1.92 | 28.3 | 22.5 | 2.14 | 26.9 | 22.3 | 2.38 | 25.34 | 22.07 | 2.66 | 23.63 | 21.95 | 2.97 |

# COOLING EXPANDED RATINGS WITH AIR HANDLER (CONTINUED)

ES4BD-036KB B6EMMX36K-B

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1050  | 80     | 62     | 37.6 | 29.3 | 2.06 | 36.3 | 29.1 | 2.30 | 34.8 | 29.2 | 2.57 | 33.2 | 28.7 | 2.87 | 31.26 | 29.90 | 3.25 | 29.37 | 28.09 | 3.67 |
|       | 80     | 67     | 40.9 | 24.2 | 2.09 | 39.3 | 24.0 | 2.33 | 37.7 | 24.3 | 2.60 | 35.8 | 23.7 | 2.94 | 33.81 | 23.32 | 3.31 | 31.79 | 21.79 | 3.69 |
|       | 80     | 72     | 44.9 | 18.8 | 2.13 | 43.1 | 18.7 | 2.38 | 41.1 | 19.1 | 2.68 | 38.8 | 18.7 | 3.00 | 36.48 | 18.38 | 3.34 | 34.41 | 18.79 | 3.73 |
|       | 75     | 62     | 37.4 | 24.5 | 2.06 | 36.0 | 24.3 | 2.30 | 34.5 | 24.5 | 2.56 | 32.9 | 24.0 | 2.86 | 30.96 | 21.97 | 3.23 | 28.95 | 23.49 | 3.66 |
| 1200  | 80     | 62     | 38.6 | 31.4 | 2.10 | 37.2 | 32.0 | 2.34 | 35.7 | 31.2 | 2.60 | 34.0 | 30.8 | 2.91 | 32.03 | 30.43 | 3.30 | 30.16 | 29.90 | 3.70 |
|       | 80     | 67     | 41.8 | 25.7 | 2.12 | 40.2 | 26.5 | 2.37 | 38.5 | 25.8 | 2.65 | 36.4 | 25.4 | 2.99 | 34.42 | 25.39 | 3.34 | 32.40 | 25.36 | 3.73 |
|       | 80     | 72     | 45.5 | 19.8 | 2.16 | 43.4 | 20.7 | 2.42 | 41.3 | 20.0 | 2.72 | 39.3 | 19.8 | 3.04 | 37.20 | 19.88 | 3.37 | 35.00 | 19.94 | 3.76 |
|       | 75     | 62     | 38.2 | 26.1 | 2.09 | 36.8 | 26.7 | 2.34 | 35.2 | 26.0 | 2.60 | 33.5 | 25.6 | 2.90 | 31.49 | 25.40 | 3.28 | 29.51 | 25.22 | 3.70 |
| 1350  | 80     | 62     | 39.4 | 33.7 | 2.13 | 38.0 | 33.8 | 2.38 | 36.4 | 33.0 | 2.64 | 34.6 | 32.5 | 2.97 | 32.72 | 31.62 | 3.35 | 31.05 | 30.92 | 3.74 |
|       | 80     | 67     | 42.5 | 27.6 | 2.16 | 40.9 | 27.9 | 2.41 | 39.1 | 27.2 | 2.69 | 36.9 | 27.0 | 3.04 | 34.92 | 26.82 | 3.38 | 32.83 | 26.81 | 3.76 |
|       | 80     | 72     | 45.9 | 21.2 | 2.19 | 44.0 | 21.5 | 2.47 | 41.8 | 20.8 | 2.77 | 39.8 | 20.8 | 3.07 | 37.71 | 20.70 | 3.41 | 35.45 | 20.90 | 3.80 |
|       | 75     | 62     | 38.9 | 28.0 | 2.13 | 37.4 | 28.1 | 2.37 | 35.8 | 27.4 | 2.64 | 34.1 | 27.2 | 2.94 | 31.95 | 26.80 | 3.33 | 29.97 | 26.72 | 3.73 |

ES4BD-042KB B6EMMX42K-B

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1225  | 80     | 62     | 42.4 | 32.4 | 2.33 | 40.9 | 32.1 | 2.56 | 39.2 | 32.3 | 2.83 | 37.2 | 31.6 | 3.16 | 35.26 | 33.20 | 3.53 | 33.24 | 31.30 | 3.92 |
|       | 80     | 67     | 46.4 | 26.7 | 2.34 | 44.7 | 26.6 | 2.58 | 42.7 | 26.8 | 2.88 | 40.6 | 26.3 | 3.20 | 38.44 | 25.93 | 3.56 | 36.19 | 24.17 | 3.95 |
|       | 80     | 72     | 50.8 | 20.7 | 2.37 | 48.7 | 20.6 | 2.63 | 46.6 | 21.0 | 2.92 | 44.4 | 20.6 | 3.23 | 42.02 | 20.30 | 3.59 | 39.54 | 20.85 | 3.98 |
|       | 75     | 62     | 42.3 | 27.1 | 2.33 | 40.8 | 26.9 | 2.56 | 39.1 | 27.2 | 2.83 | 37.1 | 26.6 | 3.16 | 35.09 | 24.59 | 3.53 | 33.03 | 26.38 | 3.92 |
| 1400  | 80     | 62     | 43.5 | 34.5 | 2.36 | 41.9 | 35.2 | 2.60 | 40.1 | 34.4 | 2.87 | 38.0 | 33.9 | 3.21 | 35.99 | 33.71 | 3.57 | 33.97 | 33.33 | 3.97 |
|       | 80     | 67     | 47.5 | 28.4 | 2.38 | 45.6 | 29.2 | 2.63 | 43.5 | 28.5 | 2.93 | 41.4 | 28.2 | 3.24 | 39.17 | 28.24 | 3.60 | 36.80 | 28.27 | 3.99 |
|       | 80     | 72     | 51.8 | 21.7 | 2.41 | 49.6 | 22.7 | 2.67 | 47.5 | 22.1 | 2.95 | 45.1 | 21.9 | 3.27 | 42.67 | 22.08 | 3.63 | 40.08 | 22.25 | 4.02 |
|       | 75     | 62     | 43.3 | 28.8 | 2.36 | 41.7 | 29.6 | 2.60 | 39.9 | 28.8 | 2.87 | 37.9 | 28.4 | 3.21 | 35.75 | 28.37 | 3.57 | 33.62 | 28.31 | 3.96 |
| 1575  | 80     | 62     | 44.3 | 37.0 | 2.40 | 42.7 | 37.2 | 2.64 | 40.7 | 36.3 | 2.92 | 38.8 | 35.9 | 3.26 | 36.62 | 35.32 | 3.62 | 34.80 | 34.65 | 4.01 |
|       | 80     | 67     | 48.3 | 30.4 | 2.42 | 46.3 | 30.8 | 2.67 | 44.2 | 30.0 | 2.97 | 42.0 | 30.0 | 3.28 | 39.70 | 29.79 | 3.64 | 37.31 | 29.99 | 4.03 |
|       | 80     | 72     | 52.6 | 23.2 | 2.45 | 50.4 | 23.8 | 2.71 | 48.1 | 23.1 | 2.99 | 45.7 | 23.1 | 3.31 | 43.19 | 23.06 | 3.67 | 40.57 | 23.38 | 4.06 |
|       | 75     | 62     | 44.1 | 30.8 | 2.40 | 42.4 | 31.1 | 2.64 | 40.5 | 30.4 | 2.92 | 38.4 | 30.2 | 3.26 | 36.28 | 29.94 | 3.61 | 34.08 | 29.80 | 4.00 |

ES4BD-048KB B6EMMX48K-C

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1400  | 80     | 62     | 49.5 | 37.8 | 2.87 | 47.6 | 37.4 | 3.21 | 45.4 | 37.4 | 3.57 | 43.2 | 36.7 | 3.96 | 40.93 | 38.49 | 4.41 | 38.51 | 36.22 | 4.90 |
|       | 80     | 67     | 53.8 | 31.1 | 2.91 | 51.5 | 30.8 | 3.25 | 49.3 | 31.1 | 3.60 | 46.9 | 30.5 | 4.00 | 44.44 | 30.04 | 4.45 | 41.80 | 28.03 | 4.94 |
|       | 80     | 72     | 58.9 | 24.2 | 2.93 | 56.5 | 24.1 | 3.28 | 53.9 | 24.5 | 3.64 | 51.2 | 24.0 | 4.04 | 48.37 | 23.69 | 4.48 | 45.22 | 24.29 | 4.98 |
|       | 75     | 62     | 49.3 | 31.6 | 2.87 | 47.3 | 31.3 | 3.21 | 45.2 | 31.5 | 3.57 | 43.0 | 30.8 | 3.96 | 40.72 | 28.44 | 4.40 | 38.27 | 30.50 | 4.90 |
| 1600  | 80     | 62     | 50.6 | 40.1 | 2.93 | 48.6 | 40.9 | 3.26 | 46.4 | 39.9 | 3.62 | 44.2 | 39.4 | 4.01 | 41.78 | 39.08 | 4.46 | 39.36 | 38.62 | 4.95 |
|       | 80     | 67     | 55.0 | 33.0 | 2.96 | 52.7 | 33.9 | 3.30 | 50.3 | 33.0 | 3.65 | 47.9 | 32.6 | 4.05 | 45.25 | 32.64 | 4.50 | 42.52 | 32.62 | 4.99 |
|       | 80     | 72     | 59.9 | 25.4 | 2.99 | 57.4 | 26.6 | 3.33 | 54.6 | 25.8 | 3.69 | 51.8 | 25.5 | 4.09 | 48.96 | 25.67 | 4.53 | 46.01 | 25.79 | 5.03 |
|       | 75     | 62     | 50.4 | 33.5 | 2.93 | 48.4 | 34.3 | 3.26 | 46.1 | 33.4 | 3.62 | 43.9 | 32.9 | 4.01 | 41.49 | 32.82 | 4.46 | 38.95 | 32.68 | 4.95 |
| 1800  | 80     | 62     | 51.6 | 43.0 | 2.98 | 49.5 | 43.2 | 3.32 | 47.2 | 42.1 | 3.67 | 44.9 | 41.7 | 4.06 | 42.63 | 40.85 | 4.51 | 40.30 | 40.13 | 5.01 |
|       | 80     | 67     | 55.9 | 35.3 | 3.01 | 53.6 | 35.7 | 3.35 | 51.1 | 34.8 | 3.70 | 48.6 | 34.7 | 4.10 | 45.89 | 34.41 | 4.55 | 43.14 | 34.58 | 5.05 |
|       | 80     | 72     | 60.5 | 27.2 | 3.03 | 58.0 | 27.7 | 3.37 | 55.3 | 26.9 | 3.75 | 52.5 | 26.9 | 4.14 | 49.60 | 26.72 | 4.58 | 46.58 | 27.03 | 5.08 |
|       | 75     | 62     | 51.4 | 35.8 | 2.98 | 49.1 | 36.1 | 3.32 | 46.9 | 35.2 | 3.67 | 44.6 | 34.9 | 4.06 | 42.07 | 34.60 | 4.51 | 39.45 | 34.40 | 5.00 |

# COOLING EXPANDED RATINGS WITH AIR HANDLER (CONTINUED)

ES4BD-060KB B6EMMX60K-C

| O.D.T |        |        | 65°F |      |      | 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. | T.C.  | S.C.  | K.W. |
| 1600  | 80     | 62     | 60.0 | 44.8 | 3.55 | 57.6 | 44.4 | 3.97 | 55.3 | 44.7 | 4.42 | 52.8 | 43.7 | 4.92 | 50.17 | 45.92 | 5.49 | 47.40 | 43.39 | 6.15 |
|       | 80     | 67     | 65.1 | 37.1 | 3.64 | 62.5 | 36.8 | 4.03 | 60.0 | 37.2 | 4.48 | 57.3 | 36.5 | 4.99 | 54.43 | 35.97 | 5.57 | 51.42 | 33.66 | 6.21 |
|       | 80     | 72     | 71.4 | 28.9 | 3.71 | 68.7 | 28.8 | 4.12 | 65.8 | 29.4 | 4.57 | 62.7 | 28.9 | 5.07 | 59.51 | 28.48 | 5.65 | 56.09 | 29.30 | 6.29 |
|       | 75     | 62     | 59.7 | 37.7 | 3.55 | 57.3 | 37.3 | 3.97 | 55.0 | 37.6 | 4.41 | 52.5 | 36.8 | 4.92 | 49.91 | 34.20 | 5.49 | 47.11 | 36.60 | 6.14 |
| 1750  | 80     | 62     | 61.0 | 46.8 | 3.60 | 58.6 | 47.8 | 4.02 | 56.1 | 46.4 | 4.46 | 53.6 | 45.9 | 4.97 | 50.89 | 45.83 | 5.54 | 48.05 | 45.63 | 6.19 |
|       | 80     | 67     | 66.1 | 38.5 | 3.68 | 63.5 | 39.7 | 4.08 | 60.9 | 38.7 | 4.53 | 58.1 | 38.3 | 5.03 | 55.18 | 38.35 | 5.61 | 52.08 | 38.40 | 6.26 |
|       | 80     | 72     | 72.4 | 29.9 | 3.75 | 69.6 | 31.3 | 4.17 | 66.5 | 30.4 | 4.62 | 63.3 | 30.2 | 5.12 | 59.97 | 30.46 | 5.69 | 56.33 | 30.75 | 6.33 |
|       | 75     | 62     | 60.7 | 39.2 | 3.60 | 58.3 | 40.1 | 4.01 | 55.9 | 39.1 | 4.46 | 53.3 | 38.6 | 4.97 | 50.60 | 38.54 | 5.54 | 47.71 | 38.46 | 6.19 |
| 1900  | 80     | 62     | 61.8 | 49.1 | 3.65 | 59.4 | 49.4 | 4.06 | 56.9 | 48.3 | 4.51 | 54.3 | 48.1 | 5.02 | 51.54 | 47.61 | 5.59 | 48.68 | 47.50 | 6.24 |
|       | 80     | 67     | 67.0 | 40.6 | 3.72 | 64.4 | 41.1 | 4.13 | 61.7 | 40.1 | 4.58 | 58.8 | 40.0 | 5.08 | 55.80 | 39.75 | 5.66 | 52.62 | 40.02 | 6.30 |
|       | 80     | 72     | 73.2 | 31.5 | 3.80 | 70.2 | 32.3 | 4.21 | 67.1 | 31.3 | 4.66 | 63.7 | 31.5 | 5.16 | 60.26 | 31.37 | 5.73 | 56.81 | 31.82 | 6.37 |
|       | 75     | 62     | 61.5 | 41.2 | 3.64 | 59.1 | 41.5 | 4.06 | 56.6 | 40.5 | 4.50 | 54.0 | 40.3 | 5.01 | 51.17 | 39.96 | 5.58 | 48.19 | 40.06 | 6.23 |



#### GENERAL TERMS OF LIMITED WARRANTY

Nortek Global HVAC 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.

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