



Air Conditioning & Heating

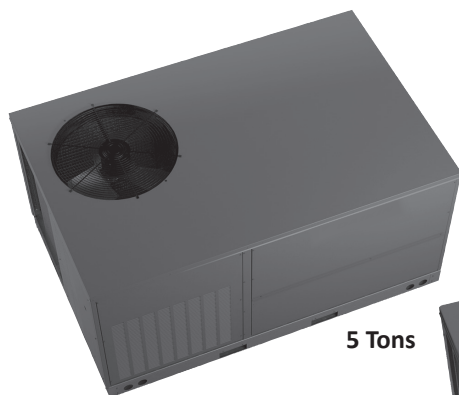
# GPG16M

**COOLING CAPACITY:** 22,800 – 58,500 BTU/H

**HEATING CAPACITY:** 60,000 – 140,000 BTU/H

**HIGH-EFFICIENCY  
PACKAGED GAS / ELECTRIC  
2 TO 5 TONS**

**UP TO 16 SEER / 81% AFUE**



5 Tons



2 - 4 Tons



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## Standard Features

- Durable, corrosion-resistant T-140 aluminized steel tubular heat exchanger
- High-efficiency two-stage scroll compressor
- Convertible airflow: horizontal or downflow application
- Multi-speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil on 2- to 4-ton units
- Aluminum-copper evaporator coil on 5-ton units
- Power-assisted combustion
- Loss-of-charge protection & high-pressure switch
- AHRI Certified; ETL Listed
- Two-stage gas valve; natural gas with easy conversion to propane with accessory kit
- Direct spark ignition system includes a microprocessor-based control for the entire ignition sequence
- All blower operation and all safety circuits complete with self-diagnostics
- All models comply with California Low NOx emission standards
- For installation in California's South Coast Air Quality Management District (SCAQMD) only: This furnace does not meet the SCAQMD Rule 1111 14 ng/J NOx emission limit, and thus is subject to a mitigation fee of up to \$450. This furnace is not eligible for the SCAQMD Clean Air Furnace Rebate Program: [www.CleanAirFurnaceRebate.com](http://www.CleanAirFurnaceRebate.com).

## Cabinet Features

- Fully insulated heavy-gauge, zinc-coated steel cabinet with UV-resistant powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Convenient access panels
- One roof curb fits 2-4 ton units
- Bottom, 2" high base rails for easier handling
- 2-4 ton models fit a standard-size pick-up truck
- When properly anchored, meets the 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193



\* Complete warranty details available from your local dealer or at [www.goodmanmfg.com](http://www.goodmanmfg.com). To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec.

| G                       |           | P          | G | 16  | 36  | 080    | M  | 4  | 1  | **                          |
|-------------------------|-----------|------------|---|-----|-----|--------|----|----|----|-----------------------------|
| 1                       |           | 2          | 3 | 4,5 | 6,7 | 8,9,10 | 11 | 12 | 13 | 14,15                       |
| <b>Brand</b>            |           |            |   |     |     |        |    |    |    | <b>Engineering</b>          |
| G Goodman® brand        |           |            |   |     |     |        |    |    |    | Major/ Minor Revisions      |
| <b>Product Category</b> |           |            |   |     |     |        |    |    |    | <b>Electrical</b>           |
| P Packaged Unit         |           |            |   |     |     |        |    |    |    | 1 208-230/1/60              |
| <b>Unit Type</b>        |           |            |   |     |     |        |    |    |    | <b>Refrigerant</b>          |
| G Gas/Electric          |           |            |   |     |     |        |    |    |    | 4 R-410A                    |
| D Dual-Fuel             |           |            |   |     |     |        |    |    |    |                             |
| <b>Efficiency</b>       |           |            |   |     |     |        |    |    |    | <b>Airflow</b>              |
| 14 14 SEER              |           |            |   |     |     |        |    |    |    | M Multi-Position            |
| 16 16 SEER              |           |            |   |     |     |        |    |    |    |                             |
| <b>Nominal Capacity</b> |           |            |   |     |     |        |    |    |    | <b>Heat Input</b>           |
| 24 2 Tons               | 36 3 Tons | 42 3½ Tons |   |     |     |        |    |    |    | 60 60 MBTU/h 100 100 MBTU/h |
| 30 2½ tons              | 37 3 Tons | 48 4 Tons  |   |     |     |        |    |    |    | 80 80 MBTU/h 120 120 MBTU/h |
|                         |           | 60 5 Tons  |   |     |     |        |    |    |    | 140 138 MBTU/h              |

|                                          | GPG1624<br>060M41AA | GPG1630<br>080M41AA | GPG1636<br>080M41AA                                                                 | GPG1642<br>100M41AA                                                                   | GPG1648<br>100M41AA                                                                   | GPG1660<br>140M41AA |
|------------------------------------------|---------------------|---------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------|
| <b>COOLING CAPACITY</b>                  |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
| Total BTU/h                              | 22,800              | 28,600              | 34,200                                                                              | 40,000                                                                                | 45,500                                                                                | 58,500              |
| Sensible BTU/h                           | 18,200              | 21,800              | 27,400                                                                              | 29,600                                                                                | 32,800                                                                                | 43,500              |
| SEER / EER                               | 16.0 / 12.0         | 15.5 / 12.0         | 16.0 / 12.0                                                                         | 16.0 / 12.0                                                                           | 16.0 / 12.0                                                                           | 16.0 / 12.0         |
| Decibels                                 | 76                  | 76                  | 76                                                                                  | 78                                                                                    | 78                                                                                    | 78                  |
| AHRI Reference #s                        | 8082387             | 8082383             | 8082384                                                                             | 8082385                                                                               | 8082386                                                                               | 9134477             |
| <b>HEATING CAPACITY (BTU/H)</b>          |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
| High-Fire Input / Output                 | 60,000 / 47,000     | 80,000 / 62,000     | 80,000 / 62,000                                                                     | 100,000 / 78,000                                                                      | 100,000 / 78,000                                                                      | 138,000 / 112,000   |
| Low-Fire Input / Output                  | 45,000 / 35,000     | 60,000 / 47,000     | 60,000 / 47,000                                                                     | 75,000 / 58,000                                                                       | 75,000 / 58,000                                                                       | 103,000 / 84,000    |
| AFUE                                     | 81                  | 81                  | 81                                                                                  | 81                                                                                    | 81                                                                                    | 81                  |
| Temperature Rise Range                   | 35- 65              | 35- 65              | 35- 65                                                                              | 35- 65                                                                                | 35- 65                                                                                | 55-105              |
| No. of Burners                           | 3                   | 4                   | 4                                                                                   | 5                                                                                     | 5                                                                                     | 6                   |
| Orifice Size (Natural/Propane)           | 45 / 1.25MM         | 45 / 1.25MM         | 45 / 1.25MM                                                                         | 45 / 1.25MM                                                                           | 45 / 1.25MM                                                                           | 53 / 1.51MM         |
| <b>EVAPORATOR MOTOR</b>                  |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
| Type                                     | ECM                 | ECM                 | ECM                                                                                 | ECM                                                                                   | ECM                                                                                   | ECM                 |
| Wheel (D x W)                            | 10" x 8"            | 10" x 9"            | 11" x 10"                                                                           | 11" x 10"                                                                             | 11" x 10"                                                                             | 11" x 10"           |
| Indoor Nominal CFM                       | 800                 | 950                 | 1,200                                                                               | 1,250                                                                                 | 1,300                                                                                 | 2,000               |
| Motor Speed Tap (Cooling)                | T3 L / T4 H         | T3 L / T4 H         | T3 L / T4 H                                                                         | T3 L / T4 H                                                                           | T3 L / T4 H                                                                           | T3 L / T1 H         |
| RPM/Amps (Cooling)                       | 1050 / 3.8          | 1050 / 3.8          | 1050 / 3.8                                                                          | 1050 / 5.4                                                                            | 1050 / 5.4                                                                            | 1050 / 6.9          |
| Horsepower                               | 1/2                 | 1/2                 | 1/2                                                                                 | 3/4                                                                                   | 3/4                                                                                   | 1                   |
| <b>EVAPORATOR COIL</b>                   |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
| Face Area (ft <sup>2</sup> )             | 4.3                 | 4.3                 | 5.7                                                                                 | 5.7                                                                                   | 5.7                                                                                   | 8.9                 |
| Rows Deep/Fins per Inch                  | 3 / 14              | 3 / 14              | 4 / 14                                                                              | 4 / 14                                                                                | 4 / 14                                                                                | 4 / 16              |
| Piston Size (Cooling)                    | TXV                 | TXV                 | TXV                                                                                 | TXV                                                                                   | TXV                                                                                   | TXV                 |
| Filter Size (ft <sup>2</sup> )           | 3.5                 | 4.3                 | 4.3                                                                                 | 5.6                                                                                   | 5.6                                                                                   | 8.9                 |
| Drain Size (NPT)                         | ¾"                  | ¾"                  | ¾"                                                                                  | ¾"                                                                                    | ¾"                                                                                    | ¾"                  |
| Refrigerant Charge (oz.)                 | 70                  | 70                  | 158                                                                                 | 143                                                                                   | 100                                                                                   | 154                 |
| <b>CONDENSER FAN / COIL</b>              |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
| Horsepower- RPM                          | 1/6- 815            | 1/4- 830            | 1/4- 830                                                                            | 1/4- 1,075                                                                            | 1/4- 1,075                                                                            | 1/3- 1,095          |
| Diameter / # of Blades                   | 22" / 3             | 22" / 3             | 22" / 3                                                                             | 22" / 3                                                                               | 22" / 3                                                                               | 22" / 4             |
| Outdoor Nominal CFM                      | 2,200               | 2,200               | 2,600                                                                               | 3,200                                                                                 | 3,100                                                                                 | 3,800               |
| Face Area (ft <sup>2</sup> )             | 12.3                | 8.7                 | 14.9                                                                                | 14.9                                                                                  | 14.4                                                                                  | 19                  |
| Rows Deep/Fins per Inch                  | 1 / 24              | 2 / 27              | 2 / 16                                                                              | 2 / 16                                                                                | 2 / 27                                                                                | 2 / 27              |
| <b>COMPRESSOR</b>                        |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
| Quantity / Type / Stage                  | 1 / Scroll / 2      | 1 / Scroll / 2      | 1 / Scroll / 2                                                                      | 1 / Scroll / 2                                                                        | 1 / Scroll / 2                                                                        | 1 / Scroll / 2      |
| Compressor RLA/LRA                       | 11.7 / 58.3         | 13.1 / 73.0         | 15.3 / 83.0                                                                         | 17.9 / 96.0                                                                           | 21.2 / 104.0                                                                          | 26.9 / 152.9        |
| <b>ELECTRICAL DATA</b>                   |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
| Voltage-Phase (Frequency 60Hz)           | 208/230-1           | 208/230-1           | 208/230-1                                                                           | 208/230-1                                                                             | 208/230-1                                                                             | 208/230-1           |
| Indoor Blower FLA/LRA                    | 3.8                 | 3.8                 | 3.8                                                                                 | 5.4                                                                                   | 5.4                                                                                   | 6.9                 |
| Outdoor Fan FLA/LRA                      | 1.1 / 1.7           | 1.5 / 3.0           | 1.5 / 3.0                                                                           | 1.4 / 2.9                                                                             | 1.4 / 2.9                                                                             | 2/4.4               |
| Total Unit Amps                          | 16.6                | 18.4                | 20.6                                                                                | 24.7                                                                                  | 28.0                                                                                  | 35.8                |
| Min. Circuit Ampacity <sup>1</sup>       | 19.5                | 21.7                | 24.4                                                                                | 29.2                                                                                  | 33.3                                                                                  | 42.5                |
| Max. Overcurrent Protection <sup>2</sup> | 30 amps             | 30 amps             | 35 amps                                                                             | 45 amps                                                                               | 50 amps                                                                               | 60 amps             |
| Entrance Size Power Supply               | 1½"                 | 1½"                 | 1½"                                                                                 | 1½"                                                                                   | 1½"                                                                                   | 1½"                 |
| Entrance Size Control Voltage            | ⅞"                  | ⅞"                  | ⅞"                                                                                  | ⅞"                                                                                    | ⅞"                                                                                    | ⅞"                  |
| <b>OPERATING / SHIP WEIGHTS (LBS)</b>    |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
|                                          | 370 / 380           | 397 / 407           | 470 / 480                                                                           | 495 / 505                                                                             | 490 / 500                                                                             | 630 / 660           |
| <b>ENERGY STAR® CERTIFIED</b>            |                     |                     |                                                                                     |                                                                                       |                                                                                       |                     |
|                                          | NO                  | NO                  |  |  |  | NO                  |

<sup>1</sup> Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

<sup>2</sup> Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

| IDB   |       | AIRFLOW |      | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
|-------|-------|---------|------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--|--|--|--|--|-------|--|--|--|--|--|
|       |       |         |      | 65°F                                 |      |      |      |      |      | 75°F |      |      |      |      |      | 85°F |      |      |      |      |      | 95°F |      |      |      |      |      | 105°F |  |  |  |  |  | 115°F |  |  |  |  |  |
|       |       |         |      | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| 70    | 910   | 59      | 63   | 67                                   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | MBh     | 23.3 | 24.1                                 | 26.4 | -    | 22.7 | 23.5 | 25.8 | -    | 22.2 | 23.0 | 25.2 | -    | 21.6 | 22.4 | 24.6 | -    | 20.5 | 21.3 | 23.3 | -    | 19.0 | 19.7 | 21.6 | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | S/T     | 0.80 | 0.67                                 | 0.46 | -    | 0.83 | 0.69 | 0.48 | -    | 0.85 | 0.71 | 0.49 | -    | 0.88 | 0.73 | 0.51 | -    | 0.91 | 0.76 | 0.53 | -    | 0.92 | 0.77 | 0.53 | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | Δ T     | 19   | 16                                   | 12   | -    | 19   | 16   | 13   | -    | 19   | 16   | 13   | -    | 19   | 17   | 13   | -    | 19   | 16   | 12   | -    | 18   | 15   | 12   | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | kW      | 1.56 | 1.59                                 | 1.64 | -    | 1.68 | 1.72 | 1.78 | -    | 1.79 | 1.83 | 1.89 | -    | 1.89 | 1.93 | 2.00 | -    | 1.97 | 2.02 | 2.09 | -    | 2.04 | 2.09 | 2.16 | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | Amps    | 6.9  | 7.0                                  | 7.2  | -    | 7.4  | 7.5  | 7.7  | -    | 7.9  | 8.1  | 8.3  | -    | 8.4  | 8.6  | 8.9  | -    | 8.9  | 9.1  | 9.4  | -    | 9.4  | 9.6  | 9.9  | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | HI PR   | 237  | 255                                  | 269  | -    | 266  | 286  | 302  | -    | 302  | 325  | 344  | -    | 344  | 371  | 391  | -    | 388  | 417  | 440  | -    | 428  | 461  | 487  | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | LO PR   | 112  | 119                                  | 130  | -    | 118  | 126  | 137  | -    | 123  | 131  | 143  | -    | 129  | 137  | 150  | -    | 135  | 144  | 157  | -    | 140  | 149  | 162  | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | 811     | MBh  | 22.6                                 | 23.4 | 25.6 | -    | 22.0 | 22.9 | 25.0 | -    | 21.5 | 22.3 | 24.4 | -    | 21.0 | 21.8 | 23.8 | -    | 19.9 | 20.7 | 22.7 | -    | 18.5 | 19.2 | 21.0 | -    |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       |         | S/T  | 0.76                                 | 0.64 | 0.44 | -    | 0.79 | 0.66 | 0.46 | -    | 0.81 | 0.68 | 0.47 | -    | 0.84 | 0.70 | 0.48 | -    | 0.87 | 0.73 | 0.50 | -    | 0.88 | 0.73 | 0.51 | -    |       |  |  |  |  |  |       |  |  |  |  |  |
| Δ T   | 20    |         | 17   | 13                                   | -    | 20   | 17   | 13   | -    | 20   | 17   | 13   | -    | 20   | 17   | 13   | -    | 20   | 17   | 13   | -    | 18   | 16   | 12   | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| kW    | 1.54  |         | 1.58 | 1.63                                 | -    | 1.67 | 1.71 | 1.76 | -    | 1.78 | 1.82 | 1.88 | -    | 1.87 | 1.92 | 1.98 | -    | 1.95 | 2.00 | 2.07 | -    | 2.03 | 2.07 | 2.14 | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| Amps  | 6.8   |         | 7.0  | 7.2                                  | -    | 7.3  | 7.5  | 7.7  | -    | 7.9  | 8.0  | 8.3  | -    | 8.3  | 8.5  | 8.8  | -    | 8.8  | 9.0  | 9.3  | -    | 9.3  | 9.5  | 9.8  | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| HI PR | 235   |         | 253  | 267                                  | -    | 263  | 283  | 299  | -    | 299  | 322  | 340  | -    | 341  | 367  | 388  | -    | 384  | 413  | 436  | -    | 424  | 456  | 482  | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| LO PR | 111   |         | 118  | 129                                  | -    | 117  | 124  | 136  | -    | 122  | 129  | 141  | -    | 128  | 136  | 148  | -    | 134  | 142  | 155  | -    | 138  | 147  | 161  | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| 711   | MBh   |         | 20.8 | 21.6                                 | 23.7 | -    | 20.4 | 21.1 | 23.1 | -    | 19.9 | 20.6 | 22.6 | -    | 19.4 | 20.1 | 22.0 | -    | 18.4 | 19.1 | 20.9 | -    | 17.1 | 17.7 | 19.4 | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       | S/T   |         | 0.74 | 0.62                                 | 0.43 | -    | 0.76 | 0.64 | 0.44 | -    | 0.78 | 0.65 | 0.45 | -    | 0.81 | 0.67 | 0.47 | -    | 0.84 | 0.70 | 0.49 | -    | 0.85 | 0.71 | 0.49 | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       | Δ T   |         | 20   | 17                                   | 13   | -    | 20   | 17   | 13   | -    | 20   | 17   | 13   | -    | 20   | 18   | 13   | -    | 20   | 17   | 13   | -    | 19   | 16   | 12   | -    |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       | kW    | 1.51    | 1.54 | 1.59                                 | -    | 1.63 | 1.66 | 1.72 | -    | 1.73 | 1.77 | 1.83 | -    | 1.82 | 1.87 | 1.93 | -    | 1.90 | 1.95 | 2.01 | -    | 1.97 | 2.02 | 2.09 | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       | Amps  | 6.6     | 6.8  | 7.0                                  | -    | 7.1  | 7.3  | 7.5  | -    | 7.7  | 7.8  | 8.1  | -    | 8.1  | 8.3  | 8.6  | -    | 8.6  | 8.8  | 9.1  | -    | 9.1  | 9.3  | 9.6  | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       | HI PR | 228     | 245  | 259                                  | -    | 255  | 275  | 290  | -    | 290  | 313  | 330  | -    | 331  | 356  | 376  | -    | 372  | 401  | 423  | -    | 411  | 443  | 467  | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       | LO PR | 107     | 114  | 125                                  | -    | 113  | 121  | 132  | -    | 118  | 125  | 137  | -    | 124  | 132  | 144  | -    | 130  | 138  | 151  | -    | 134  | 143  | 156  | -    |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       | 75    | 910     | MBh  | 23.6                                 | 24.3 | 26.4 | 28.3 | 23.1 | 23.8 | 25.7 | 27.6 | 22.5 | 23.2 | 25.1 | 27.0 | 22.0 | 22.6 | 24.5 | 26.3 | 20.9 | 21.5 | 23.3 | 25.0 | 19.4 | 19.9 | 21.6 | 23.2 |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | S/T     | 0.91 | 0.81                                 | 0.62 | 0.40 | 0.94 | 0.84 | 0.64 | 0.41 | 0.97 | 0.87 | 0.65 | 0.42 | 1.00 | 0.89 | 0.68 | 0.43 | 1.00 | 0.93 | 0.70 | 0.45 | 1.00 | 0.93 | 0.71 | 0.46 |      |       |  |  |  |  |  |       |  |  |  |  |  |
|       |       | Δ T     | 22   | 20                                   | 16   | 11   | 22   | 20   | 17   | 11   | 22   | 20   | 17   | 11   | 22   | 20   | 17   | 12   | 21   | 20   | 17   | 11   | 20   | 19   | 15   | 11   |      |       |  |  |  |  |  |       |  |  |  |  |  |
| kW    |       | 1.57    | 1.61 | 1.66                                 | 1.71 | 1.70 | 1.73 | 1.79 | 1.85 | 1.81 | 1.85 | 1.91 | 1.98 | 1.91 | 1.95 | 2.02 | 2.09 | 1.99 | 2.03 | 2.10 | 2.18 | 2.06 | 2.11 | 2.18 | 2.26 |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| Amps  |       | 6.9     | 7.1  | 7.3                                  | 7.5  | 7.4  | 7.6  | 7.8  | 8.1  | 8.0  | 8.2  | 8.4  | 8.7  | 8.5  | 8.7  | 8.9  | 9.2  | 9.0  | 9.2  | 9.5  | 9.8  | 9.5  | 9.7  | 10.0 | 10.3 |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| HI PR |       | 239     | 258  | 272                                  | 284  | 269  | 289  | 305  | 318  | 306  | 329  | 347  | 362  | 348  | 375  | 395  | 412  | 392  | 421  | 445  | 464  | 433  | 466  | 492  | 513  |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| LO PR |       | 113     | 120  | 131                                  | 140  | 119  | 127  | 139  | 148  | 124  | 132  | 144  | 153  | 130  | 139  | 151  | 161  | 137  | 145  | 159  | 169  | 141  | 150  | 164  | 175  |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| 811   |       | MBh     | 23.0 | 23.6                                 | 25.6 | 27.5 | 22.4 | 23.1 | 25.0 | 26.8 | 21.9 | 22.5 | 24.4 | 26.2 | 21.4 | 22.0 | 23.8 | 25.5 | 20.3 | 20.9 | 22.6 | 24.3 | 18.8 | 19.3 | 20.9 | 22.5 |      |       |  |  |  |  |  |       |  |  |  |  |  |
| S/T   |       | 0.87    | 0.78 | 0.59                                 | 0.38 | 0.90 | 0.80 | 0.61 | 0.39 | 0.92 | 0.83 | 0.62 | 0.40 | 0.95 | 0.85 | 0.64 | 0.41 | 0.99 | 0.88 | 0.67 | 0.43 | 1.00 | 0.89 | 0.67 | 0.43 |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| Δ T   |       | 23      | 21   | 17                                   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 21   | 20   | 16   | 11   |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| kW    | 1.56  | 1.59    | 1.64 | 1.70                                 | 1.68 | 1.72 | 1.78 | 1.84 | 1.79 | 1.83 | 1.89 | 1.96 | 1.89 | 1.93 | 2.00 | 2.07 | 1.97 | 2.02 | 2.09 | 2.16 | 2.04 | 2.09 | 2.16 | 2.24 |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| Amps  | 6.9   | 7.0     | 7.2  | 7.5                                  | 7.4  | 7.5  | 7.7  | 8.0  | 7.9  | 8.1  | 8.3  | 8.6  | 8.4  | 8.6  | 8.9  | 9.2  | 8.9  | 9.1  | 9.4  | 9.7  | 9.4  | 9.6  | 9.9  | 10.2 |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| HI PR | 237   | 255     | 269  | 281                                  | 266  | 286  | 302  | 315  | 303  | 326  | 344  | 359  | 345  | 371  | 392  | 408  | 388  | 417  | 440  | 459  | 428  | 461  | 487  | 508  |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| LO PR | 112   | 119     | 130  | 138                                  | 118  | 126  | 137  | 146  | 123  | 131  | 143  | 152  | 129  | 137  | 150  | 160  | 135  | 144  | 157  | 167  | 140  | 149  | 162  | 173  |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| 711   | MBh   | 21.2    | 21.8 | 23.6                                 | 25.3 | 20.7 | 21.3 | 23.1 | 24.8 | 20.2 | 20.8 | 22.5 | 24.2 | 19.7 | 20.3 | 22.0 | 23.6 | 18.7 | 19.3 | 20.9 | 22.4 | 17.3 | 17.9 | 19.3 | 20.7 |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| S/T   | 0.84  | 0.75    | 0.57 | 0.36                                 | 0.87 | 0.78 | 0.59 | 0.38 | 0.89 | 0.80 | 0.60 | 0.39 | 0.92 | 0.82 | 0.62 | 0.40 | 0.95 | 0.85 | 0.65 | 0.42 | 0.96 | 0.86 | 0.65 | 0.42 |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| Δ T   | 23    | 21      | 17   | 12                                   | 23   | 21   | 18   | 12   | 23   | 21   | 18   | 12   | 23   | 22   | 18   | 12   | 23   | 21   | 17   | 12   | 22   | 20   | 16   | 11   |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| kW    | 1.52  | 1.55    | 1.60 | 1.66                                 | 1.64 | 1.68 | 1.73 | 1.79 | 1.75 | 1.79 | 1.85 | 1.91 | 1.84 | 1.88 | 1.95 | 2.01 | 1.92 | 1.96 | 2.03 | 2.10 | 1.99 | 2.04 | 2.11 | 2.18 |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| Amps  | 6.7   | 6.8     | 7.0  | 7.3                                  | 7.2  | 7.3  | 7.5  | 7.8  | 7.7  | 7.9  | 8.1  | 8.4  | 8.2  | 8.4  | 8.6  | 8.9  | 8.7  | 8.9  | 9.1  | 9.5  | 9.1  | 9.3  | 9.6  | 10.0 |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| HI PR | 230   | 247     | 261  | 273                                  | 258  | 278  | 293  | 306  | 293  | 316  | 333  | 348  | 334  | 360  | 380  | 396  | 376  | 405  | 427  | 446  | 415  | 447  | 472  | 492  |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |
| LO PR | 108   | 115     | 126  | 134                                  | 115  | 122  | 133  | 142  | 119  | 127  | 138  | 147  | 125  | 133  | 145  | 155  | 131  | 140  | 152  | 162  | 136  | 144  | 158  | 168  |      |      |      |       |  |  |  |  |  |       |  |  |  |  |  |

DB: Entering Indoor Dry Bulb Temperature  
High and low pressures are measured at the liquid and suction service valves.  
kW = Total system power  
Amps = outdoor unit amps (comp.+fan)

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

| IDB |     | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |  |  |  |
|-----|-----|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|--|--|--|
|     |     | 65°F                                 |      |      |      | 75°F |      |      |      | 85°F |      |      |      | 95°F |      |      |      | 105°F |      |      |      | 115°F |  |  |  |
|     |     | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |       |  |  |  |
| 80  | 910 | AIRFLOW                              | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71    | 59   | 63   | 67   | 71    |  |  |  |
|     |     | MBh                                  | 24.1 | 24.6 | 26.3 | 28.1 | 23.5 | 24.0 | 25.7 | 27.4 | 22.9 | 23.4 | 25.1 | 26.8 | 22.4 | 22.9 | 24.4 | 26.1  | 21.3 | 21.7 | 23.2 | 24.8  |  |  |  |
|     |     | S/T                                  | 1.00 | 0.94 | 0.76 | 0.57 | 1.00 | 0.97 | 0.79 | 0.59 | 1.00 | 1.00 | 0.81 | 0.61 | 1.00 | 1.00 | 0.84 | 0.62  | 1.00 | 1.00 | 0.87 | 0.65  |  |  |  |
|     |     | Δ T                                  | 24   | 23   | 20   | 16   | 24   | 24   | 20   | 16   | 23   | 24   | 20   | 16   | 23   | 23   | 21   | 16    | 21   | 22   | 20   | 16    |  |  |  |
|     |     | kW                                   | 1.58 | 1.62 | 1.67 | 1.73 | 1.71 | 1.75 | 1.81 | 1.87 | 1.82 | 1.86 | 1.93 | 1.99 | 1.92 | 1.97 | 2.03 | 2.10  | 2.01 | 2.05 | 2.12 | 2.20  |  |  |  |
|     | 811 | Amps                                 | 7.0  | 7.1  | 7.3  | 7.6  | 7.5  | 7.6  | 7.9  | 8.1  | 8.1  | 8.2  | 8.5  | 8.8  | 8.6  | 8.7  | 9.0  | 9.3   | 9.1  | 9.3  | 9.5  | 9.9   |  |  |  |
|     |     | HI PR                                | 242  | 260  | 275  | 287  | 271  | 292  | 308  | 322  | 309  | 332  | 351  | 366  | 352  | 378  | 399  | 417   | 395  | 426  | 449  | 469   |  |  |  |
|     |     | LO PR                                | 114  | 121  | 133  | 141  | 121  | 128  | 140  | 149  | 125  | 133  | 146  | 155  | 132  | 140  | 153  | 163   | 138  | 147  | 160  | 171   |  |  |  |
|     |     | MBh                                  | 23.4 | 23.9 | 25.5 | 27.3 | 22.8 | 23.3 | 24.9 | 26.6 | 22.3 | 22.8 | 24.3 | 26.0 | 21.7 | 22.2 | 23.7 | 25.4  | 20.6 | 21.1 | 22.5 | 24.1  |  |  |  |
|     |     | S/T                                  | 0.95 | 0.89 | 0.73 | 0.54 | 0.99 | 0.93 | 0.75 | 0.56 | 1.00 | 0.95 | 0.77 | 0.58 | 1.00 | 0.98 | 0.80 | 0.60  | 1.00 | 1.00 | 0.83 | 0.62  |  |  |  |
| 85  | 910 | Δ T                                  | 25   | 24   | 21   | 17   | 26   | 24   | 21   | 17   | 25   | 25   | 21   | 17   | 25   | 25   | 21   | 17    | 23   | 24   | 21   | 17    |  |  |  |
|     |     | kW                                   | 1.57 | 1.61 | 1.66 | 1.71 | 1.70 | 1.73 | 1.79 | 1.85 | 1.81 | 1.85 | 1.91 | 1.98 | 1.91 | 1.95 | 2.02 | 2.09  | 1.99 | 2.03 | 2.10 | 2.18  |  |  |  |
|     |     | Amps                                 | 6.9  | 7.1  | 7.3  | 7.5  | 7.4  | 7.6  | 7.8  | 8.1  | 8.0  | 8.2  | 8.4  | 8.7  | 8.5  | 8.7  | 8.9  | 9.2   | 9.0  | 9.2  | 9.5  | 9.8   |  |  |  |
|     |     | HI PR                                | 239  | 258  | 272  | 284  | 269  | 289  | 305  | 318  | 306  | 329  | 347  | 362  | 348  | 375  | 396  | 413   | 392  | 421  | 445  | 464   |  |  |  |
|     |     | LO PR                                | 113  | 120  | 131  | 140  | 119  | 127  | 139  | 148  | 124  | 132  | 144  | 153  | 130  | 139  | 151  | 161   | 137  | 145  | 159  | 169   |  |  |  |
|     | 711 | MBh                                  | 21.6 | 22.0 | 23.5 | 25.2 | 21.1 | 21.5 | 23.0 | 24.6 | 20.6 | 21.0 | 22.4 | 24.0 | 20.1 | 20.5 | 21.9 | 23.4  | 19.1 | 19.5 | 20.8 | 22.2  |  |  |  |
|     |     | S/T                                  | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.98 | 0.92 | 0.74 | 0.56 | 1.01 | 0.94 | 0.77 | 0.57  | 1.05 | 0.98 | 0.80 | 0.60  |  |  |  |
|     |     | Δ T                                  | 26   | 25   | 21   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17    | 26   | 25   | 21   | 17    |  |  |  |
|     |     | kW                                   | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.93 | 1.86 | 1.90 | 1.96 | 2.03  | 1.94 | 1.98 | 2.05 | 2.12  |  |  |  |
|     |     | Amps                                 | 6.8  | 6.9  | 7.1  | 7.3  | 7.2  | 7.4  | 7.6  | 7.9  | 7.8  | 8.0  | 8.2  | 8.5  | 8.3  | 8.5  | 8.7  | 9.0   | 8.7  | 8.9  | 9.2  | 9.5   |  |  |  |
| 85  | 910 | HI PR                                | 232  | 250  | 264  | 275  | 261  | 280  | 296  | 309  | 296  | 319  | 337  | 351  | 338  | 363  | 384  | 400   | 380  | 409  | 432  | 450   |  |  |  |
|     |     | LO PR                                | 110  | 117  | 127  | 136  | 116  | 123  | 134  | 143  | 120  | 128  | 140  | 149  | 126  | 134  | 147  | 156   | 132  | 141  | 154  | 164   |  |  |  |
|     |     | MBh                                  | 21.6 | 22.0 | 23.5 | 25.2 | 21.1 | 21.5 | 23.0 | 24.6 | 20.6 | 21.0 | 22.4 | 24.0 | 20.1 | 20.5 | 21.9 | 23.4  | 19.1 | 19.5 | 20.8 | 22.2  |  |  |  |
|     |     | S/T                                  | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.98 | 0.92 | 0.74 | 0.56 | 1.01 | 0.94 | 0.77 | 0.57  | 1.05 | 0.98 | 0.80 | 0.60  |  |  |  |
|     |     | Δ T                                  | 26   | 25   | 21   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17    | 26   | 25   | 21   | 17    |  |  |  |
|     | 811 | kW                                   | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.93 | 1.86 | 1.90 | 1.96 | 2.03  | 1.94 | 1.98 | 2.05 | 2.12  |  |  |  |
|     |     | Amps                                 | 6.8  | 6.9  | 7.1  | 7.3  | 7.2  | 7.4  | 7.6  | 7.9  | 7.8  | 8.0  | 8.2  | 8.5  | 8.3  | 8.5  | 8.7  | 9.0   | 8.7  | 8.9  | 9.2  | 9.5   |  |  |  |
|     |     | HI PR                                | 232  | 250  | 264  | 275  | 261  | 280  | 296  | 309  | 296  | 319  | 337  | 351  | 338  | 363  | 384  | 400   | 380  | 409  | 432  | 450   |  |  |  |
|     |     | LO PR                                | 110  | 117  | 127  | 136  | 116  | 123  | 134  | 143  | 120  | 128  | 140  | 149  | 126  | 134  | 147  | 156   | 132  | 141  | 154  | 164   |  |  |  |
|     |     | MBh                                  | 21.6 | 22.0 | 23.5 | 25.2 | 21.1 | 21.5 | 23.0 | 24.6 | 20.6 | 21.0 | 22.4 | 24.0 | 20.1 | 20.5 | 21.9 | 23.4  | 19.1 | 19.5 | 20.8 | 22.2  |  |  |  |
| 711 | 910 | S/T                                  | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.98 | 0.92 | 0.74 | 0.56 | 1.01 | 0.94 | 0.77 | 0.57  | 1.05 | 0.98 | 0.80 | 0.60  |  |  |  |
|     |     | Δ T                                  | 26   | 25   | 21   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17    | 26   | 25   | 21   | 17    |  |  |  |
|     |     | kW                                   | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.93 | 1.86 | 1.90 | 1.96 | 2.03  | 1.94 | 1.98 | 2.05 | 2.12  |  |  |  |
|     |     | Amps                                 | 6.8  | 6.9  | 7.1  | 7.3  | 7.2  | 7.4  | 7.6  | 7.9  | 7.8  | 8.0  | 8.2  | 8.5  | 8.3  | 8.5  | 8.7  | 9.0   | 8.7  | 8.9  | 9.2  | 9.5   |  |  |  |
|     |     | HI PR                                | 232  | 250  | 264  | 275  | 261  | 280  | 296  | 309  | 296  | 319  | 337  | 351  | 338  | 363  | 384  | 400   | 380  | 409  | 432  | 450   |  |  |  |
|     | 811 | LO PR                                | 110  | 117  | 127  | 136  | 116  | 123  | 134  | 143  | 120  | 128  | 140  | 149  | 126  | 134  | 147  | 156   | 132  | 141  | 154  | 164   |  |  |  |
|     |     | MBh                                  | 21.6 | 22.0 | 23.5 | 25.2 | 21.1 | 21.5 | 23.0 | 24.6 | 20.6 | 21.0 | 22.4 | 24.0 | 20.1 | 20.5 | 21.9 | 23.4  | 19.1 | 19.5 | 20.8 | 22.2  |  |  |  |
|     |     | S/T                                  | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.98 | 0.92 | 0.74 | 0.56 | 1.01 | 0.94 | 0.77 | 0.57  | 1.05 | 0.98 | 0.80 | 0.60  |  |  |  |
|     |     | Δ T                                  | 26   | 25   | 21   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17    | 26   | 25   | 21   | 17    |  |  |  |
|     |     | kW                                   | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.93 | 1.86 | 1.90 | 1.96 | 2.03  | 1.94 | 1.98 | 2.05 | 2.12  |  |  |  |
| 711 | 910 | Amps                                 | 6.8  | 6.9  | 7.1  | 7.3  | 7.2  | 7.4  | 7.6  | 7.9  | 7.8  | 8.0  | 8.2  | 8.5  | 8.3  | 8.5  | 8.7  | 9.0   | 8.7  | 8.9  | 9.2  | 9.5   |  |  |  |
|     |     | HI PR                                | 232  | 250  | 264  | 275  | 261  | 280  | 296  | 309  | 296  | 319  | 337  | 351  | 338  | 363  | 384  | 400   | 380  | 409  | 432  | 450   |  |  |  |
|     |     | LO PR                                | 110  | 117  | 127  | 136  | 116  | 123  | 134  | 143  | 120  | 128  | 140  | 149  | 126  | 134  | 147  | 156   | 132  | 141  | 154  | 164   |  |  |  |
|     |     | MBh                                  | 21.6 | 22.0 | 23.5 | 25.2 | 21.1 | 21.5 | 23.0 | 24.6 | 20.6 | 21.0 | 22.4 | 24.0 | 20.1 | 20.5 | 21.9 | 23.4  | 19.1 | 19.5 | 20.8 | 22.2  |  |  |  |
|     |     | S/T                                  | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.98 | 0.92 | 0.74 | 0.56 | 1.01 | 0.94 | 0.77 | 0.57  | 1.05 | 0.98 | 0.80 | 0.60  |  |  |  |
|     | 811 | Δ T                                  | 26   | 25   | 21   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17    | 26   | 25   | 21   | 17    |  |  |  |
|     |     | kW                                   | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.93 | 1.86 | 1.90 | 1.96 | 2.03  | 1.94 | 1.98 | 2.05 | 2.12  |  |  |  |
|     |     | Amps                                 | 6.8  | 6.9  | 7.1  | 7.3  | 7.2  | 7.4  | 7.6  | 7.9  | 7.8  | 8.0  | 8.2  | 8.5  | 8.3  | 8.5  | 8.7  | 9.0   | 8.7  | 8.9  | 9.2  | 9.5   |  |  |  |
|     |     | HI PR                                | 232  | 250  | 264  | 275  | 261  | 280  | 296  | 309  | 296  | 319  | 337  | 351  | 338  | 363  | 384  | 400   | 380  | 409  | 432  | 450   |  |  |  |
|     |     | LO PR                                | 110  | 117  | 127  | 136  | 116  | 123  | 134  | 143  | 120  | 128  | 140  | 149  | 126  | 134  | 147  | 156   | 132  | 141  | 154  | 164   |  |  |  |
| 711 | 910 | MBh                                  | 21.6 | 22.0 | 23.5 | 25.2 | 21.1 | 21.5 | 23.0 | 24.6 | 20.6 | 21.0 | 22.4 | 24.0 | 20.1 | 20.5 | 21.9 | 23.4  | 19.1 | 19.5 | 20.8 | 22.2  |  |  |  |
|     |     | S/T                                  | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.98 | 0.92 | 0.74 | 0.56 | 1.01 | 0.94 | 0.77 | 0.57  | 1.05 | 0.98 | 0.80 | 0.60  |  |  |  |
|     |     | Δ T                                  | 26   | 25   | 21   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17    | 26   | 25   | 21   | 17    |  |  |  |
|     |     | kW                                   | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.93 | 1.86 | 1.90 | 1.96 | 2.03  | 1.94 | 1.98 | 2.05 | 2.12  |  |  |  |
|     |     | Amps                                 | 6.8  | 6.9  | 7.1  | 7.3  | 7.2  | 7.4  | 7.6  | 7.9  | 7.8  | 8.0  | 8.2  | 8.5  | 8.3  | 8.5  | 8.7  | 9.0   | 8.7  | 8.9  | 9.2  | 9.5   |  |  |  |
|     | 811 | HI PR                                | 232  | 250  | 264  | 275  | 261  | 280  | 296  | 309  | 296  | 319  | 337  | 351  | 338  | 363  | 384  | 400   | 380  | 409  | 432  | 450   |  |  |  |
|     |     | LO PR                                | 110  | 117  | 127  | 136  | 116  | 123  | 134  | 143  | 120  | 128  | 140  | 149  | 126  | 134  | 147  | 156   | 132  | 141  | 154  | 164   |  |  |  |
|     |     | MBh                                  | 21.6 | 22.0 | 23.5 | 25.2 | 21.1 | 21.5 | 23.0 | 24.6 | 20.6 | 21.0 | 22.4 | 24.0 | 20.1 | 20.5 | 21.9 | 23.4  | 19.1 | 19.5 | 20.8 | 22.2  |  |  |  |
|     |     | S/T                                  | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.98 | 0.92 | 0.74 | 0.56 | 1.01 | 0.94 | 0.77 | 0.57  | 1.05 | 0.98 | 0.80 | 0.60  |  |  |  |
|     |     | Δ T                                  | 26   | 25   | 21   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17    | 26   | 25   | 21   | 17    |  |  |  |
| 711 | 910 | kW                                   | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.93 | 1.86 | 1.90 | 1.96 | 2.03  | 1.94 | 1.98 | 2.05 | 2.12  |  |  |  |
|     |     | Amps                                 | 6.8  | 6.9  | 7.1  | 7.3  | 7.2  | 7.4  | 7.6  | 7.9  | 7.8  | 8.0  | 8.2  | 8.5  | 8.3  | 8.5  | 8.7  | 9.0   | 8.7  | 8.9  | 9.2  | 9.5   |  |  |  |
|     |     | HI PR                                | 232  | 250  | 264  | 275  | 261  | 280  | 296  | 309  | 296  | 319  | 337  | 351  | 338  | 363  | 384  | 400   | 380  | 409  | 432  | 450   |  |  |  |
|     |     | LO PR                                | 110  | 117  | 127  | 136  | 116  | 123  | 134  | 14   |      |      |      |      |      |      |      |       |      |      |      |       |  |  |  |

|     |         | OUTDOOR AMBIENT TEMPERATURE |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |      |      |    |       |      |      |    |
|-----|---------|-----------------------------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-------|------|------|----|-------|------|------|----|
|     |         | 65°F                        |      |      |    | 75°F |      |      |    | 85°F |      |      |    | 95°F |      |      |    | 105°F |      |      |    | 115°F |      |      |    |
| IDB | AIRFLOW | 59                          | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59    | 63   | 67   | 71 | 59    | 63   | 67   | 71 |
| 70  | MBh     | 29.7                        | 30.7 | 33.7 | -  | 29.0 | 30.0 | 32.9 | -  | 28.3 | 29.3 | 32.1 | -  | 27.6 | 28.6 | 31.3 | -  | 26.2  | 27.2 | 29.8 | -  | 24.3  | 25.2 | 27.6 | -  |
|     | S/T     | 0.77                        | 0.64 | 0.44 | -  | 0.80 | 0.66 | 0.46 | -  | 0.82 | 0.68 | 0.47 | -  | 0.84 | 0.70 | 0.49 | -  | 0.87  | 0.73 | 0.51 | -  | 0.88  | 0.74 | 0.51 | -  |
|     | Δ T     | 20                          | 17   | 13   | -  | 20   | 17   | 13   | -  | 20   | 17   | 13   | -  | 20   | 17   | 13   | -  | 20    | 17   | 13   | -  | 19    | 16   | 12   | -  |
|     | kW      | 1.98                        | 2.02 | 2.08 | -  | 2.13 | 2.18 | 2.25 | -  | 2.27 | 2.32 | 2.39 | -  | 2.39 | 2.44 | 2.52 | -  | 2.49  | 2.55 | 2.63 | -  | 2.58  | 2.64 | 2.73 | -  |
|     | Amps    | 8.5                         | 8.7  | 9.0  | -  | 9.1  | 9.3  | 9.6  | -  | 9.8  | 10.0 | 10.3 | -  | 10.4 | 10.7 | 11.0 | -  | 11.0  | 11.3 | 11.6 | -  | 11.6  | 11.9 | 12.2 | -  |
|     | HI PR   | 238                         | 257  | 271  | -  | 268  | 288  | 304  | -  | 304  | 327  | 346  | -  | 347  | 373  | 394  | -  | 390   | 420  | 443  | -  | 431   | 464  | 490  | -  |
|     | LO PR   | 108                         | 114  | 125  | -  | 114  | 121  | 132  | -  | 118  | 126  | 137  | -  | 124  | 132  | 144  | -  | 130   | 138  | 151  | -  | 134   | 143  | 156  | -  |
|     | MBh     | 28.8                        | 29.9 | 32.7 | -  | 28.1 | 29.2 | 31.9 | -  | 27.5 | 28.5 | 31.2 | -  | 26.8 | 27.8 | 30.4 | -  | 25.5  | 26.4 | 28.9 | -  | 23.6  | 24.4 | 26.8 | -  |
|     | S/T     | 0.73                        | 0.61 | 0.42 | -  | 0.76 | 0.63 | 0.44 | -  | 0.78 | 0.65 | 0.45 | -  | 0.80 | 0.67 | 0.46 | -  | 0.83  | 0.70 | 0.48 | -  | 0.84  | 0.70 | 0.49 | -  |
|     | Δ T     | 20                          | 18   | 13   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 21    | 18   | 14   | -  | 19    | 17   | 13   | -  |

|    |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 75 | MBh   | 30.2 | 31.1 | 33.6 | 36.1 | 29.5 | 30.3 | 32.8 | 35.2 | 28.8 | 29.6 | 32.1 | 34.4 | 28.1 | 28.9 | 31.3 | 33.6 | 26.7 | 27.4 | 29.7 | 31.9 | 24.7 | 25.4 | 27.5 | 29.5 |
|    | S/T   | 0.87 | 0.78 | 0.59 | 0.38 | 0.90 | 0.81 | 0.61 | 0.39 | 0.93 | 0.83 | 0.63 | 0.40 | 0.96 | 0.86 | 0.65 | 0.42 | 0.99 | 0.89 | 0.67 | 0.43 | 1.00 | 0.90 | 0.68 | 0.44 |
|    | Δ T   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 18   | 12   | 23   | 21   | 17   | 12   | 21   | 20   | 16   | 11   |
|    | kW    | 1.99 | 2.04 | 2.10 | 2.17 | 2.15 | 2.20 | 2.27 | 2.34 | 2.29 | 2.34 | 2.42 | 2.50 | 2.41 | 2.46 | 2.55 | 2.63 | 2.51 | 2.57 | 2.66 | 2.75 | 2.60 | 2.66 | 2.75 | 2.85 |
|    | Amps  | 8.6  | 8.8  | 9.0  | 9.3  | 9.2  | 9.4  | 9.7  | 10.0 | 9.9  | 10.1 | 10.4 | 10.8 | 10.5 | 10.8 | 11.1 | 11.4 | 11.1 | 11.4 | 11.7 | 12.1 | 11.7 | 12.0 | 12.3 | 12.8 |
|    | HI PR | 241  | 259  | 274  | 285  | 270  | 291  | 307  | 320  | 307  | 331  | 349  | 364  | 350  | 377  | 398  | 415  | 394  | 424  | 448  | 467  | 435  | 468  | 495  | 516  |
|    | LO PR | 109  | 116  | 126  | 134  | 115  | 122  | 133  | 142  | 119  | 127  | 139  | 148  | 125  | 133  | 146  | 155  | 131  | 140  | 152  | 162  | 136  | 144  | 158  | 168  |
|    | MBh   | 29.3 | 30.2 | 32.6 | 35.0 | 28.6 | 29.5 | 31.9 | 34.2 | 27.9 | 28.8 | 31.1 | 33.4 | 27.2 | 28.1 | 30.4 | 32.6 | 25.9 | 26.6 | 28.8 | 31.0 | 24.0 | 24.7 | 26.7 | 28.7 |
|    | S/T   | 0.83 | 0.74 | 0.56 | 0.36 | 0.86 | 0.77 | 0.58 | 0.38 | 0.88 | 0.79 | 0.60 | 0.39 | 0.91 | 0.82 | 0.62 | 0.40 | 0.95 | 0.85 | 0.64 | 0.41 | 0.96 | 0.85 | 0.65 | 0.42 |
|    | Δ T   | 24   | 22   | 18   | 12   | 24   | 22   | 18   | 12   | 24   | 22   | 18   | 13   | 24   | 22   | 18   | 13   | 24   | 22   | 18   | 12   | 22   | 21   | 17   | 12   |

IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

| IDB                                                                           |       | AIRFLOW |      | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |                         |      |      |      |      |      |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------|-------|---------|------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------------------------|------|------|------|------|------|------|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|
|                                                                               |       |         |      | 65°F                                 |      |      |      | 75°F |      |      |      | 85°F |      |      |      | 95°F |      |      |      | 105°F |      |      |      | 115°F                   |      |      |      |      |      |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               |       |         |      | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |                         |      |      |      |      |      |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               |       | 59      | 63   | 67                                   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67    | 71   | 59   | 63   | 67                      | 71   | 59   | 63   | 67   | 71   |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| 1062                                                                          | MBh   | 30.7    | 31.4 | 33.5                                 | 35.8 | 30.0 | 30.6 | 32.7 | 35.0 | 29.3 | 29.9 | 32.0 | 34.2 | 28.6 | 29.2 | 31.2 | 33.3 | 27.1 | 27.7 | 29.6  | 31.7 | 25.1 | 25.7 | 27.4                    | 29.3 | 25.1 | 25.7 | 27.4 | 29.3 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | S/T   | 0.96    | 0.90 | 0.73                                 | 0.55 | 1.00 | 0.93 | 0.76 | 0.57 | 1.00 | 0.95 | 0.78 | 0.58 | 1.00 | 1.00 | 0.80 | 0.60 | 1.00 | 1.00 | 0.83  | 0.62 | 1.00 | 1.00 | 0.84                    | 0.63 | 1.00 | 1.00 | 0.84 | 0.63 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | Δ T   | 25      | 24   | 21                                   | 17   | 26   | 25   | 21   | 17   | 25   | 25   | 21   | 17   | 25   | 25   | 22   | 17   | 23   | 24   | 21    | 17   | 22   | 22   | 20                      | 16   | 22   | 22   | 20   | 16   |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | kW    | 2.01    | 2.05 | 2.12                                 | 2.19 | 2.17 | 2.21 | 2.29 | 2.36 | 2.31 | 2.36 | 2.44 | 2.52 | 2.43 | 2.48 | 2.57 | 2.65 | 2.53 | 2.59 | 2.68  | 2.77 | 2.62 | 2.68 | 2.78                    | 2.87 | 2.62 | 2.68 | 2.78 | 2.87 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | Amps  | 8.7     | 8.9  | 9.1                                  | 9.4  | 9.3  | 9.5  | 9.8  | 10.1 | 10.0 | 10.2 | 10.5 | 10.9 | 10.6 | 10.8 | 11.2 | 11.5 | 11.2 | 11.5 | 11.8  | 12.2 | 11.8 | 12.1 | 12.5                    | 12.9 | 11.8 | 12.1 | 12.5 | 12.9 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | HI PR | 243     | 262  | 276                                  | 288  | 273  | 294  | 310  | 324  | 311  | 334  | 353  | 368  | 354  | 381  | 402  | 419  | 398  | 428  | 452   | 472  | 440  | 473  | 500                     | 521  | 440  | 473  | 500  | 521  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | LO PR | 110     | 117  | 127                                  | 136  | 116  | 123  | 135  | 143  | 120  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133  | 141  | 154   | 164  | 137  | 146  | 159                     | 170  | 137  | 146  | 159  | 170  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | 80    | MBh     | 29.8 | 30.5                                 | 32.5 | 34.8 | 29.1 | 29.8 | 31.8 | 34.0 | 28.4 | 29.0 | 31.0 | 33.2 | 27.7 | 28.3 | 30.3 | 32.4 | 26.3 | 26.9  | 28.8 | 30.7 | 24.4 | 24.9                    | 26.6 | 28.5 | 24.4 | 24.9 | 26.6 | 28.5 |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| S/T                                                                           |       | 0.91    | 0.86 | 0.70                                 | 0.52 | 0.95 | 0.89 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.76 | 0.57 | 1.00 | 0.97 | 0.79  | 0.59 | 1.00 | 0.98 | 0.80                    | 0.60 | 1.00 | 0.98 | 0.80 | 0.60 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| Δ T                                                                           |       | 26      | 25   | 22                                   | 18   | 27   | 26   | 22   | 18   | 27   | 26   | 22   | 18   | 27   | 26   | 22   | 18   | 26   | 25   | 22    | 18   | 24   | 24   | 21                      | 17   | 24   | 24   | 21   | 17   |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| kW                                                                            |       | 1.99    | 2.04 | 2.10                                 | 2.17 | 2.15 | 2.20 | 2.27 | 2.34 | 2.29 | 2.34 | 2.42 | 2.50 | 2.41 | 2.46 | 2.55 | 2.63 | 2.51 | 2.57 | 2.66  | 2.75 | 2.60 | 2.66 | 2.75                    | 2.85 | 2.60 | 2.66 | 2.75 | 2.85 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| Amps                                                                          |       | 8.6     | 8.8  | 9.0                                  | 9.3  | 9.2  | 9.4  | 9.7  | 10.0 | 9.9  | 10.1 | 10.4 | 10.8 | 10.5 | 10.8 | 11.1 | 11.4 | 11.1 | 11.4 | 11.7  | 12.1 | 11.7 | 12.0 | 12.3                    | 12.8 | 11.7 | 12.0 | 12.3 | 12.8 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| HI PR                                                                         |       | 241     | 259  | 274                                  | 286  | 270  | 291  | 307  | 320  | 307  | 331  | 349  | 364  | 350  | 377  | 398  | 415  | 394  | 424  | 448   | 467  | 435  | 468  | 495                     | 516  | 435  | 468  | 495  | 516  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| LO PR                                                                         |       | 109     | 116  | 126                                  | 134  | 115  | 122  | 133  | 142  | 119  | 127  | 139  | 148  | 125  | 133  | 146  | 155  | 131  | 140  | 153   | 162  | 136  | 144  | 158                     | 168  | 136  | 144  | 158  | 168  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| 830                                                                           |       | MBh     | 27.5 | 28.1                                 | 30.0 | 32.1 | 26.9 | 27.5 | 29.3 | 31.4 | 26.2 | 26.8 | 28.6 | 30.6 | 25.6 | 26.2 | 27.9 | 29.9 | 24.3 | 24.8  | 26.5 | 28.4 | 22.5 | 23.0                    | 24.6 | 26.3 | 22.5 | 23.0 | 24.6 | 26.3 |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | S/T   | 0.88    | 0.83 | 0.67                                 | 0.50 | 0.91 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.71 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.76  | 0.57 | 1.01 | 0.95 | 0.77                    | 0.58 | 1.01 | 0.95 | 0.77 | 0.58 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | Δ T   | 27      | 26   | 22                                   | 18   | 27   | 26   | 22   | 18   | 27   | 26   | 22   | 18   | 27   | 26   | 22   | 18   | 27   | 26   | 22    | 18   | 25   | 24   | 21                      | 17   | 25   | 24   | 21   | 17   |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | kW    | 1.94    | 1.99 | 2.05                                 | 2.12 | 2.10 | 2.14 | 2.21 | 2.28 | 2.23 | 2.28 | 2.35 | 2.43 | 2.35 | 2.40 | 2.48 | 2.56 | 2.45 | 2.50 | 2.59  | 2.68 | 2.54 | 2.59 | 2.68                    | 2.77 | 2.54 | 2.59 | 2.68 | 2.77 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | Amps  | 8.4     | 8.6  | 8.8                                  | 9.1  | 9.0  | 9.2  | 9.5  | 9.8  | 9.7  | 9.9  | 10.2 | 10.5 | 10.3 | 10.5 | 10.8 | 11.2 | 10.8 | 11.1 | 11.4  | 11.8 | 11.4 | 11.7 | 12.0                    | 12.4 | 11.4 | 11.7 | 12.0 | 12.4 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | HI PR | 234     | 251  | 266                                  | 277  | 262  | 282  | 298  | 311  | 298  | 321  | 339  | 353  | 340  | 366  | 386  | 403  | 382  | 411  | 434   | 453  | 422  | 454  | 480                     | 500  | 422  | 454  | 480  | 500  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | LO PR | 105     | 112  | 122                                  | 130  | 111  | 118  | 129  | 138  | 116  | 123  | 134  | 143  | 122  | 129  | 141  | 150  | 127  | 136  | 148   | 158  | 132  | 140  | 153                     | 163  | 132  | 140  | 153  | 163  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | 85    | MBh     | 31.2 | 31.8                                 | 33.4 | 35.6 | 30.5 | 31.1 | 32.6 | 34.8 | 29.8 | 30.4 | 31.8 | 33.9 | 29.1 | 29.6 | 31.0 | 33.1 | 27.6 | 28.1  | 29.5 | 31.4 | 25.6 | 26.1                    | 27.3 | 29.1 | 25.6 | 26.1 | 27.3 | 29.1 |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| S/T                                                                           |       | 1.00    | 0.97 | 0.87                                 | 0.71 | 1.00 | 1.00 | 0.91 | 0.73 | 1.00 | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 0.99  | 0.81 | 1.00 | 1.00 | 0.81                    | 1.00 | 1.00 | 0.99 | 0.81 |      |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| Δ T                                                                           |       | 27      | 27   | 25                                   | 22   | 26   | 27   | 26   | 22   | 26   | 26   | 26   | 22   | 25   | 26   | 26   | 22   | 24   | 24   | 25    | 22   | 22   | 23   | 24                      | 21   | 22   | 23   | 24   | 21   |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| kW                                                                            |       | 2.03    | 2.07 | 2.14                                 | 2.21 | 2.18 | 2.23 | 2.31 | 2.38 | 2.33 | 2.38 | 2.46 | 2.54 | 2.45 | 2.51 | 2.59 | 2.68 | 2.56 | 2.61 | 2.70  | 2.79 | 2.65 | 2.71 | 2.80                    | 2.90 | 2.65 | 2.71 | 2.80 | 2.90 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| Amps                                                                          |       | 8.8     | 8.9  | 9.2                                  | 9.5  | 9.4  | 9.6  | 9.8  | 10.2 | 10.1 | 10.3 | 10.6 | 11.0 | 10.7 | 10.9 | 11.3 | 11.6 | 11.3 | 11.6 | 11.9  | 12.3 | 11.9 | 12.2 | 12.6                    | 13.0 | 11.9 | 12.2 | 12.6 | 13.0 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| HI PR                                                                         |       | 246     | 264  | 279                                  | 291  | 276  | 297  | 313  | 327  | 314  | 337  | 356  | 372  | 357  | 384  | 406  | 423  | 402  | 432  | 457   | 476  | 444  | 478  | 505                     | 526  | 444  | 478  | 505  | 526  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| LO PR                                                                         |       | 111     | 118  | 129                                  | 137  | 117  | 125  | 136  | 145  | 122  | 129  | 141  | 151  | 128  | 136  | 148  | 158  | 134  | 143  | 156   | 166  | 139  | 147  | 161                     | 171  | 139  | 147  | 161  | 171  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| 830                                                                           |       | MBh     | 30.3 | 30.9                                 | 32.4 | 34.5 | 29.6 | 30.2 | 31.6 | 33.7 | 28.9 | 29.5 | 30.9 | 32.9 | 28.2 | 28.8 | 30.1 | 32.1 | 26.8 | 27.3  | 28.6 | 30.5 | 24.8 | 25.3                    | 26.5 | 28.3 | 24.8 | 25.3 | 26.5 | 28.3 |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | S/T   | 0.96    | 0.92 | 0.83                                 | 0.68 | 0.99 | 0.96 | 0.86 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.95  | 0.77 | 1.00 | 1.00 | 0.96                    | 0.78 | 1.00 | 1.00 | 0.96 | 0.78 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | Δ T   | 28      | 28   | 26                                   | 23   | 29   | 28   | 27   | 23   | 28   | 28   | 27   | 23   | 27   | 28   | 27   | 23   | 26   | 27   | 26    | 23   | 24   | 25   | 25                      | 21   | 24   | 25   | 25   | 21   |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | kW    | 2.01    | 2.05 | 2.12                                 | 2.19 | 2.17 | 2.21 | 2.29 | 2.36 | 2.31 | 2.36 | 2.44 | 2.52 | 2.43 | 2.48 | 2.57 | 2.65 | 2.53 | 2.59 | 2.68  | 2.77 | 2.62 | 2.68 | 2.78                    | 2.87 | 2.62 | 2.68 | 2.78 | 2.87 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | Amps  | 8.7     | 8.9  | 9.1                                  | 9.4  | 9.3  | 9.5  | 9.8  | 10.1 | 10.0 | 10.2 | 10.5 | 10.9 | 10.6 | 10.8 | 11.2 | 11.5 | 11.2 | 11.5 | 11.8  | 12.2 | 11.8 | 12.1 | 12.5                    | 12.9 | 11.8 | 12.1 | 12.5 | 12.9 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | HI PR | 243     | 262  | 276                                  | 288  | 273  | 294  | 310  | 324  | 311  | 334  | 353  | 368  | 354  | 381  | 402  | 419  | 398  | 428  | 452   | 472  | 440  | 473  | 500                     | 521  | 440  | 473  | 500  | 521  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | LO PR | 110     | 117  | 127                                  | 136  | 116  | 123  | 135  | 143  | 120  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133  | 141  | 154   | 164  | 137  | 146  | 159                     | 170  | 137  | 146  | 159  | 170  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
|                                                                               | 830   | MBh     | 28.0 | 28.5                                 | 29.9 | 31.9 | 27.3 | 27.9 | 29.2 | 31.1 | 26.7 | 27.2 | 28.5 | 30.4 | 26.0 | 26.5 | 27.8 | 29.7 | 24.7 | 25.2  | 26.4 | 28.2 | 22.9 | 23.4                    | 24.5 | 26.1 | 22.9 | 23.4 | 24.5 | 26.1 |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| S/T                                                                           |       | 0.92    | 0.89 | 0.80                                 | 0.65 | 0.96 | 0.92 | 0.83 | 0.68 | 0.98 | 0.95 | 0.85 | 0.69 | 1.00 | 0.98 | 0.88 | 0.72 | 1.00 | 1.00 | 0.91  | 0.74 | 1.00 | 1.00 | 0.92                    | 0.75 | 1.00 | 1.00 | 0.92 | 0.75 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| Δ T                                                                           |       | 29      | 28   | 27                                   | 23   | 29   | 28   | 27   | 23   | 29   | 29   | 27   | 23   | 29   | 29   | 27   | 23   | 27   | 28   | 27    | 23   | 25   | 26   | 25                      | 22   | 25   | 26   | 25   | 22   |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| kW                                                                            |       | 1.96    | 2.00 | 2.07                                 | 2.13 | 2.11 | 2.16 | 2.23 | 2.30 | 2.25 | 2.30 | 2.37 | 2.45 | 2.37 | 2.42 | 2.50 | 2.59 | 2.47 | 2.52 | 2.61  | 2.70 | 2.56 | 2.61 | 2.70                    | 2.80 | 2.56 | 2.61 | 2.70 | 2.80 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| Amps                                                                          |       | 8.5     | 8.7  | 8.9                                  | 9.2  | 9.1  | 9.3  | 9.5  | 9.8  | 9.8  | 10.0 | 10.3 | 10.6 | 10.3 | 10.6 | 10.9 | 11.3 | 10.9 | 11.2 | 11.5  | 11.9 | 11.5 | 11.8 | 12.1                    | 12.6 | 11.5 | 11.8 | 12.1 | 12.6 |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| HI PR                                                                         |       | 236     | 254  | 268                                  | 280  | 265  | 285  | 301  | 314  | 301  | 324  | 342  | 357  | 343  | 369  | 390  | 407  | 386  | 415  | 439   | 457  | 426  | 459  | 485                     | 505  | 426  | 459  | 485  | 505  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| LO PR                                                                         |       | 106     | 113  | 124                                  | 132  | 112  | 120  | 131  | 139  | 117  | 124  | 136  | 145  | 123  | 131  | 143  | 152  | 129  | 137  | 149   | 159  | 133  | 142  | 155                     | 165  | 133  | 142  | 155  | 165  |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| Shaded area reflects AHRI (TVA) conditions                                    |       |         |      |                                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      | kW = Total system power |      |      |      |      |      |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |
| DB: Entering indoor Dry Bulb Temperature                                      |       |         |      |                                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |                         |      |      |      |      |      |      |  |  |  |  |  | amps = outdoor unit comp.+fan |  |  |  |  |  |  |  |  |  |  |  |
| High and low pressures are measured at the liquid and suction service valves. |       |         |      |                                      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |                         |      |      |      |      |      |      |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |  |  |

| IDB |      | AIRFLOW |      | OUTDOOR AMBIENT TEMPERATURE          |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |       |      |    |      |       |      |    |      |      |      |   |  |
|-----|------|---------|------|--------------------------------------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|-------|------|----|------|-------|------|----|------|------|------|---|--|
|     |      |         |      | 65°F                                 |      |    |      | 75°F |      |    |      | 85°F |      |    |      | 95°F |      |    |      | 105°F |      |    |      | 115°F |      |    |      |      |      |   |  |
|     |      |         |      | ENTERING INDOOR WET BULB TEMPERATURE |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |       |      |    |      |       |      |    |      |      |      |   |  |
| 70  | 1366 | 59      | 63   | 67                                   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67   | 71   |   |  |
|     |      | MBh     | 36.4 | 37.7                                 | 41.3 | -  | 35.5 | 36.8 | 40.3 | -  | 34.7 | 35.9 | 39.4 | -  | 33.8 | 35.1 | 38.4 | -  | 32.1 | 33.3  | 36.5 | -  | 29.8 | 30.9  | 33.8 | -  | 29.8 | 30.9 | 33.8 | - |  |
|     |      | S/T     | 0.80 | 0.67                                 | 0.46 | -  | 0.83 | 0.69 | 0.48 | -  | 0.85 | 0.71 | 0.49 | -  | 0.88 | 0.73 | 0.51 | -  | 0.91 | 0.76  | 0.53 | -  | 0.92 | 0.77  | 0.53 | -  | 0.92 | 0.77 | 0.53 | - |  |
|     |      | Δ T     | 20   | 17                                   | 13   | -  | 20   | 17   | 13   | -  | 20   | 17   | 13   | -  | 20   | 17   | 13   | -  | 20   | 17    | 13   | -  | 18   | 16    | 12   | -  | 18   | 16   | 12   | - |  |
|     |      | kW      | 2.42 | 2.47                                 | 2.54 | -  | 2.60 | 2.66 | 2.74 | -  | 2.77 | 2.83 | 2.92 | -  | 2.91 | 2.97 | 3.07 | -  | 3.03 | 3.10  | 3.20 | -  | 3.14 | 3.21  | 3.32 | -  | 3.14 | 3.21 | 3.32 | - |  |
|     |      | Amps    | 11.1 | 11.4                                 | 11.7 | -  | 11.9 | 12.1 | 12.4 | -  | 12.7 | 13.0 | 13.3 | -  | 13.4 | 13.7 | 14.1 | -  | 14.2 | 14.5  | 14.9 | -  | 14.9 | 15.2  | 15.6 | -  | 14.9 | 15.2 | 15.6 | - |  |
| 70  | 1217 | 59      | 63   | 67                                   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67   | 71   |   |  |
|     |      | HI PR   | 224  | 241                                  | 254  | -  | 251  | 270  | 285  | -  | 286  | 307  | 325  | -  | 325  | 350  | 370  | -  | 366  | 394   | 416  | -  | 404  | 435   | 460  | -  | 404  | 435  | 460  | - |  |
|     |      | LO PR   | 112  | 119                                  | 130  | -  | 118  | 126  | 137  | -  | 123  | 131  | 143  | -  | 129  | 137  | 150  | -  | 135  | 144   | 157  | -  | 140  | 149   | 163  | -  | 140  | 149  | 163  | - |  |
|     |      | MBh     | 35.3 | 36.6                                 | 40.1 | -  | 34.5 | 35.8 | 39.2 | -  | 33.7 | 34.9 | 38.2 | -  | 32.8 | 34.0 | 37.3 | -  | 31.2 | 32.3  | 35.4 | -  | 28.9 | 30.0  | 32.8 | -  | 28.9 | 30.0 | 32.8 | - |  |
|     |      | S/T     | 0.76 | 0.64                                 | 0.44 | -  | 0.79 | 0.66 | 0.46 | -  | 0.81 | 0.68 | 0.47 | -  | 0.84 | 0.70 | 0.48 | -  | 0.87 | 0.72  | 0.50 | -  | 0.87 | 0.73  | 0.51 | -  | 0.87 | 0.73 | 0.51 | - |  |
|     |      | Δ T     | 20   | 18                                   | 13   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 20   | 18    | 13   | -  | 19   | 17    | 13   | -  | 19   | 17   | 13   | - |  |
| 70  | 1067 | 59      | 63   | 67                                   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67   | 71   |   |  |
|     |      | kW      | 2.40 | 2.45                                 | 2.52 | -  | 2.58 | 2.64 | 2.72 | -  | 2.74 | 2.80 | 2.89 | -  | 2.89 | 2.95 | 3.05 | -  | 3.01 | 3.07  | 3.18 | -  | 3.11 | 3.18  | 3.29 | -  | 3.11 | 3.18 | 3.29 | - |  |
|     |      | Amps    | 11.1 | 11.3                                 | 11.6 | -  | 11.8 | 12.0 | 12.3 | -  | 12.6 | 12.9 | 13.2 | -  | 13.3 | 13.6 | 14.0 | -  | 14.1 | 14.3  | 14.8 | -  | 14.8 | 15.1  | 15.5 | -  | 14.8 | 15.1 | 15.5 | - |  |
|     |      | HI PR   | 222  | 238                                  | 252  | -  | 249  | 268  | 283  | -  | 283  | 304  | 321  | -  | 322  | 347  | 366  | -  | 362  | 390   | 412  | -  | 400  | 431   | 455  | -  | 400  | 431  | 455  | - |  |
|     |      | LO PR   | 111  | 118                                  | 129  | -  | 117  | 125  | 136  | -  | 122  | 129  | 141  | -  | 128  | 136  | 148  | -  | 134  | 143   | 156  | -  | 139  | 147   | 161  | -  | 139  | 147  | 161  | - |  |
|     |      | MBh     | 32.6 | 33.8                                 | 37.0 | -  | 31.8 | 33.0 | 36.2 | -  | 31.1 | 32.2 | 35.3 | -  | 30.3 | 31.4 | 34.4 | -  | 28.8 | 29.9  | 32.7 | -  | 26.7 | 27.7  | 30.3 | -  | 26.7 | 27.7 | 30.3 | - |  |
| 70  | 1067 | 59      | 63   | 67                                   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67   | 71   |   |  |
|     |      | S/T     | 0.73 | 0.61                                 | 0.42 | -  | 0.76 | 0.64 | 0.44 | -  | 0.78 | 0.65 | 0.45 | -  | 0.81 | 0.67 | 0.47 | -  | 0.84 | 0.70  | 0.48 | -  | 0.84 | 0.70  | 0.49 | -  | 0.84 | 0.70 | 0.49 | - |  |
|     |      | Δ T     | 21   | 18                                   | 14   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 21   | 18    | 14   | -  | 19   | 17    | 13   | -  | 19   | 17   | 13   | - |  |
|     |      | kW      | 2.34 | 2.39                                 | 2.46 | -  | 2.52 | 2.57 | 2.65 | -  | 2.68 | 2.73 | 2.82 | -  | 2.81 | 2.88 | 2.97 | -  | 2.93 | 3.00  | 3.10 | -  | 3.03 | 3.10  | 3.20 | -  | 3.03 | 3.10 | 3.20 | - |  |
|     |      | Amps    | 10.8 | 11.0                                 | 11.3 | -  | 11.5 | 11.7 | 12.1 | -  | 12.3 | 12.6 | 12.9 | -  | 13.0 | 13.3 | 13.7 | -  | 13.7 | 14.0  | 14.4 | -  | 14.4 | 14.7  | 15.1 | -  | 14.4 | 14.7 | 15.1 | - |  |
|     |      | HI PR   | 215  | 231                                  | 244  | -  | 241  | 260  | 274  | -  | 274  | 295  | 312  | -  | 312  | 336  | 355  | -  | 351  | 378   | 399  | -  | 388  | 418   | 441  | -  | 388  | 418  | 441  | - |  |
| 70  | 1067 | 59      | 63   | 67                                   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67   | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67    | 71   | 59 | 63   | 67   | 71   |   |  |
|     |      | LO PR   | 108  | 114                                  | 125  | -  | 114  | 121  | 132  | -  | 118  | 126  | 137  | -  | 124  | 132  | 144  | -  | 130  | 138   | 151  | -  | 134  | 143   | 156  | -  | 134  | 143  | 156  | - |  |

|      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 75   | 1366  | MBh  | 37.0 | 38.1 | 41.2 | 44.2 | 36.1 | 37.2 | 40.3 | 43.2 | 35.3 | 36.3 | 39.3 | 42.2 | 34.4 | 35.4 | 38.3 | 41.2 | 32.7 | 33.7 | 36.4 | 39.1 | 30.3 | 31.2 | 33.7 | 36.2 |
|      |       | S/T  | 0.91 | 0.81 | 0.61 | 0.40 | 0.94 | 0.84 | 0.64 | 0.41 | 0.96 | 0.86 | 0.65 | 0.42 | 1.00 | 0.89 | 0.67 | 0.43 | 1.00 | 0.92 | 0.70 | 0.45 | 1.00 | 0.93 | 0.71 | 0.45 |
|      |       | Δ T  | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 22   | 21   | 17   | 12   | 20   | 20   | 16   | 11   |
|      |       | kW   | 2.44 | 2.49 | 2.57 | 2.65 | 2.62 | 2.68 | 2.77 | 2.86 | 2.79 | 2.85 | 2.94 | 3.04 | 2.93 | 3.00 | 3.10 | 3.20 | 3.06 | 3.13 | 3.23 | 3.34 | 3.17 | 3.24 | 3.34 | 3.46 |
|      |       | Amps | 11.2 | 11.4 | 11.7 | 12.1 | 12.0 | 12.2 | 12.5 | 12.9 | 12.8 | 13.1 | 13.4 | 13.9 | 13.5 | 13.8 | 14.2 | 14.7 | 14.3 | 14.6 | 15.0 | 15.5 | 15.0 | 15.3 | 15.8 | 16.3 |
|      | HI PR | 226  | 243  | 257  | 268  | 254  | 273  | 288  | 301  | 289  | 311  | 328  | 342  | 329  | 354  | 373  | 390  | 370  | 398  | 420  | 438  | 409  | 440  | 464  | 484  |      |
|      | LO PR | 113  | 120  | 131  | 140  | 119  | 127  | 139  | 148  | 124  | 132  | 144  | 154  | 130  | 139  | 152  | 161  | 137  | 145  | 159  | 169  | 141  | 150  | 164  | 175  |      |
|      | 1217  | MBh  | 35.9 | 37.0 | 40.0 | 43.0 | 35.1 | 36.1 | 39.1 | 42.0 | 34.2 | 35.3 | 38.2 | 41.0 | 33.4 | 34.4 | 37.2 | 40.0 | 31.7 | 32.7 | 35.4 | 38.0 | 29.4 | 30.3 | 32.8 | 35.2 |
|      |       | S/T  | 0.87 | 0.77 | 0.59 | 0.38 | 0.90 | 0.80 | 0.61 | 0.39 | 0.92 | 0.82 | 0.62 | 0.40 | 0.95 | 0.85 | 0.64 | 0.41 | 0.99 | 0.88 | 0.67 | 0.43 | 0.99 | 0.89 | 0.67 | 0.43 |
|      |       | Δ T  | 23   | 22   | 18   | 12   | 24   | 22   | 18   | 12   | 24   | 22   | 18   | 12   | 24   | 22   | 18   | 12   | 24   | 22   | 18   | 12   | 22   | 20   | 17   | 12   |
| kW   |       | 2.42 | 2.47 | 2.55 | 2.63 | 2.60 | 2.66 | 2.74 | 2.83 | 2.77 | 2.83 | 2.92 | 3.01 | 2.91 | 2.97 | 3.07 | 3.17 | 3.03 | 3.10 | 3.20 | 3.31 | 3.14 | 3.21 | 3.32 | 3.43 |      |
| Amps |       | 11.1 | 11.4 | 11.7 | 12.0 | 11.9 | 12.1 | 12.4 | 12.8 | 12.7 | 13.0 | 13.3 | 13.7 | 13.4 | 13.7 | 14.1 | 14.6 | 14.2 | 14.5 | 14.9 | 15.4 | 14.9 | 15.2 | 15.6 | 16.2 |      |
| 1067 | HI PR | 224  | 241  | 254  | 265  | 251  | 270  | 285  | 298  | 286  | 307  | 325  | 339  | 325  | 350  | 370  | 386  | 366  | 394  | 416  | 434  | 404  | 435  | 460  | 479  |      |
|      | LO PR | 112  | 119  | 130  | 139  | 118  | 126  | 137  | 146  | 123  | 131  | 143  | 152  | 129  | 137  | 150  | 160  | 135  | 144  | 157  | 167  | 140  | 149  | 163  | 173  |      |
|      | MBh   | 33.1 | 34.1 | 36.9 | 39.6 | 32.4 | 33.3 | 36.1 | 38.7 | 31.6 | 32.5 | 35.2 | 37.8 | 30.8 | 31.7 | 34.4 | 36.9 | 29.3 | 30.2 | 32.6 | 35.0 | 27.1 | 27.9 | 30.2 | 32.5 |      |
|      | S/T   | 0.83 | 0.75 | 0.57 | 0.36 | 0.87 | 0.77 | 0.59 | 0.38 | 0.89 | 0.79 | 0.60 | 0.39 | 0.92 | 0.82 | 0.62 | 0.40 | 0.95 | 0.85 | 0.64 | 0.41 | 0.96 | 0.86 | 0.65 | 0.42 |      |
|      | Δ T   | 24   | 22   | 18   | 12   | 24   | 22   | 18   | 13   | 24   | 22   | 18   | 13   | 24   | 22   | 18   | 13   | 24   | 22   | 18   | 12   | 22   | 21   | 17   | 12   |      |

| IDB   |      | AIRFLOW |      | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 115°F |      |      |      |      |       |      |      |      |      |       |      |      |      |  |
|-------|------|---------|------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|------|------|------|------|-------|------|------|------|--|
|       |      |         |      | 65°F                                 |      |      |      |      | 75°F |      |      |      |      | 85°F |      |      |      |      | 95°F  |      |      |      |      | 105°F |      |      |      |      | 115°F |      |      |      |  |
|       |      |         |      | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |  |
| 80    | 1366 | MBh     | 37.6 | 38.5                                 | 41.1 | 43.9 | 36.8 | 37.6 | 40.1 | 42.9 | 35.9 | 36.7 | 39.2 | 41.9 | 35.0 | 35.8 | 38.2 | 40.9 | 33.3  | 34.0 | 36.3 | 38.8 | 30.8 | 31.5  | 33.6 | 36.0 | 30.8 | 31.5 | 33.6  | 36.0 |      |      |  |
|       |      | S/T     | 1.00 | 0.93                                 | 0.76 | 0.57 | 1.00 | 0.97 | 0.79 | 0.59 | 1.00 | 1.00 | 0.81 | 0.60 | 1.00 | 1.00 | 0.83 | 0.62 | 1.00  | 1.00 | 0.87 | 0.65 | 1.00 | 1.00  | 0.87 | 0.65 | 1.00 | 1.00 | 0.87  | 0.65 |      |      |  |
|       |      | Δ T     | 25   | 24                                   | 21   | 17   | 25   | 24   | 21   | 17   | 24   | 25   | 21   | 17   | 24   | 24   | 21   | 17   | 22    | 23   | 21   | 17   | 21   | 21    | 20   | 16   | 21   | 21   | 20    | 16   |      |      |  |
|       |      | kW      | 2.46 | 2.51                                 | 2.59 | 2.67 | 2.64 | 2.70 | 2.79 | 2.88 | 2.81 | 2.87 | 2.97 | 3.07 | 2.96 | 3.02 | 3.12 | 3.23 | 3.08  | 3.15 | 3.26 | 3.37 | 3.19 | 3.26  | 3.37 | 3.49 | 3.19 | 3.26 | 3.37  | 3.49 |      |      |  |
|       |      | Amps    | 11.3 | 11.5                                 | 11.8 | 12.2 | 12.0 | 12.3 | 12.6 | 13.0 | 12.9 | 13.2 | 13.5 | 14.0 | 13.6 | 13.9 | 14.3 | 14.8 | 14.4  | 14.7 | 15.1 | 15.6 | 15.1 | 15.4  | 15.9 | 16.4 | 15.1 | 15.4 | 15.9  | 16.4 |      |      |  |
|       |      | HI PR   | 228  | 246                                  | 260  | 271  | 256  | 276  | 291  | 304  | 291  | 314  | 331  | 345  | 332  | 357  | 377  | 393  | 373   | 402  | 424  | 443  | 413  | 444   | 469  | 489  | 413  | 444  | 469   | 489  |      |      |  |
|       |      | LO PR   | 114  | 122                                  | 133  | 141  | 121  | 128  | 140  | 149  | 125  | 133  | 146  | 155  | 132  | 140  | 153  | 163  | 138   | 147  | 160  | 171  | 143  | 152   | 166  | 177  | 143  | 152  | 166   | 177  |      |      |  |
|       |      | MBh     | 36.6 | 37.3                                 | 39.9 | 42.7 | 35.7 | 36.5 | 39.0 | 41.7 | 34.9 | 35.6 | 38.0 | 40.7 | 34.0 | 34.7 | 37.1 | 39.7 | 32.3  | 33.0 | 35.3 | 37.7 | 29.9 | 30.6  | 32.7 | 34.9 | 29.9 | 30.6 | 32.7  | 34.9 |      |      |  |
|       |      | S/T     | 0.95 | 0.89                                 | 0.72 | 0.54 | 0.98 | 0.92 | 0.75 | 0.56 | 1.00 | 0.95 | 0.77 | 0.58 | 1.00 | 0.98 | 0.80 | 0.59 | 1.00  | 1.00 | 0.83 | 0.62 | 1.00 | 1.00  | 0.83 | 0.62 | 1.00 | 1.00 | 0.83  | 0.62 |      |      |  |
|       |      | Δ T     | 26   | 25                                   | 22   | 17   | 27   | 25   | 22   | 18   | 26   | 25   | 22   | 18   | 26   | 26   | 22   | 18   | 24    | 25   | 22   | 18   | 23   | 23    | 21   | 16   | 23   | 23   | 21    | 16   |      |      |  |
| kW    | 2.44 | 2.49    | 2.57 | 2.65                                 | 2.62 | 2.68 | 2.77 | 2.86 | 2.79 | 2.85 | 2.94 | 3.04 | 2.93 | 3.00 | 3.10 | 3.20 | 3.06 | 3.13 | 3.23  | 3.34 | 3.17 | 3.24 | 3.34 | 3.46  | 3.17 | 3.24 | 3.34 | 3.46 |       |      |      |      |  |
| Amps  | 11.2 | 11.4    | 11.7 | 12.1                                 | 12.0 | 12.2 | 12.5 | 12.9 | 12.8 | 13.1 | 13.4 | 13.9 | 13.5 | 13.8 | 14.2 | 14.7 | 14.3 | 14.6 | 15.0  | 15.5 | 15.0 | 15.3 | 15.8 | 16.3  | 15.0 | 15.3 | 15.8 | 16.3 |       |      |      |      |  |
| HI PR | 226  | 243     | 257  | 268                                  | 254  | 273  | 288  | 301  | 289  | 311  | 328  | 342  | 329  | 354  | 374  | 390  | 370  | 398  | 420   | 438  | 409  | 440  | 464  | 484   | 409  | 440  | 464  | 484  |       |      |      |      |  |
| LO PR | 113  | 120     | 131  | 140                                  | 120  | 127  | 139  | 148  | 124  | 132  | 144  | 154  | 130  | 139  | 152  | 161  | 137  | 145  | 159   | 169  | 141  | 150  | 164  | 175   | 141  | 150  | 164  | 175  |       |      |      |      |  |
| 1067  | 1067 | MBh     | 33.7 | 34.5                                 | 36.8 | 39.4 | 33.0 | 33.7 | 36.0 | 38.5 | 32.2 | 32.9 | 35.1 | 37.5 | 31.4 | 32.1 | 34.3 | 36.6 | 29.8  | 30.5 | 32.5 | 34.8 | 27.6 | 28.2  | 30.1 | 32.2 | 27.6 | 28.2 | 30.1  | 32.2 |      |      |  |
|       |      | S/T     | 0.92 | 0.86                                 | 0.70 | 0.52 | 0.95 | 0.89 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.56 | 1.00 | 0.94 | 0.77 | 0.57 | 1.04  | 0.98 | 0.80 | 0.59 | 1.05 | 0.99  | 0.80 | 0.60 | 1.05 | 0.99 | 0.80  | 0.60 |      |      |  |
|       |      | Δ T     | 27   | 26                                   | 22   | 18   | 27   | 26   | 22   | 18   | 27   | 26   | 22   | 18   | 27   | 26   | 23   | 18   | 27    | 26   | 22   | 18   | 25   | 24    | 21   | 17   | 25   | 24   | 21    | 17   |      |      |  |
|       |      | kW      | 2.38 | 2.43                                 | 2.50 | 2.58 | 2.56 | 2.61 | 2.70 | 2.79 | 2.72 | 2.78 | 2.87 | 2.96 | 2.86 | 2.92 | 3.02 | 3.12 | 2.98  | 3.05 | 3.15 | 3.25 | 3.09 | 3.15  | 3.26 | 3.37 | 3.09 | 3.15 | 3.26  | 3.37 |      |      |  |
|       |      | Amps    | 11.0 | 11.2                                 | 11.5 | 11.8 | 11.7 | 11.9 | 12.2 | 12.6 | 12.5 | 12.8 | 13.1 | 13.5 | 13.2 | 13.5 | 13.9 | 14.3 | 13.9  | 14.2 | 14.6 | 15.1 | 14.6 | 15.0  | 15.4 | 15.9 | 14.6 | 15.0 | 15.4  | 15.9 |      |      |  |
|       |      | HI PR   | 219  | 236                                  | 249  | 260  | 246  | 265  | 280  | 292  | 280  | 301  | 318  | 332  | 319  | 343  | 362  | 378  | 359   | 386  | 408  | 425  | 396  | 426   | 450  | 470  | 396  | 426  | 450   | 470  |      |      |  |
|       |      | LO PR   | 110  | 117                                  | 127  | 136  | 116  | 123  | 135  | 143  | 120  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133   | 141  | 154  | 164  | 137  | 146   | 159  | 170  | 137  | 146  | 159   | 170  |      |      |  |
|       |      | 85      | 1366 | MBh                                  | 38.3 | 39.0 | 40.9 | 43.6 | 37.4 | 38.1 | 39.9 | 42.6 | 36.5 | 37.2 | 39.0 | 41.6 | 35.6 | 36.3 | 38.0  | 40.6 | 33.9 | 34.5 | 36.1 | 38.6  | 31.4 | 32.0 | 33.5 | 35.7 | 31.4  | 32.0 | 33.5 | 35.7 |  |
|       |      |         |      | S/T                                  | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.94 | 0.76 | 1.00 | 1.00 | 0.97 | 0.78 | 1.00 | 1.00 | 0.95  | 0.77 | 1.00 | 1.00 | 0.99 | 0.80  | 1.00 | 1.00 | 0.99 | 0.85 | 1.00  | 1.00 | 0.99 | 0.85 |  |
|       |      |         |      | Δ T                                  | 26   | 26   | 25   | 22   | 25   | 26   | 25   | 22   | 25   | 25   | 25   | 22   | 24   | 24   | 26    | 22   | 23   | 23   | 24   | 22    | 21   | 22   | 20   | 21   | 22    | 23   | 20   |      |  |
| kW    | 2.47 |         |      | 2.53                                 | 2.61 | 2.69 | 2.67 | 2.72 | 2.81 | 2.90 | 2.83 | 2.90 | 2.99 | 3.09 | 2.98 | 3.05 | 3.15 | 3.26 | 3.11  | 3.18 | 3.29 | 3.40 | 3.22 | 3.29  | 3.40 | 3.52 | 3.22 | 3.29 | 3.40  | 3.52 |      |      |  |
| Amps  | 11.4 |         |      | 11.6                                 | 11.9 | 12.3 | 12.1 | 12.4 | 12.7 | 13.1 | 13.0 | 13.3 | 13.6 | 14.1 | 13.8 | 14.0 | 14.4 | 14.9 | 14.5  | 14.8 | 15.2 | 15.7 | 15.2 | 15.6  | 16.0 | 16.5 | 15.2 | 15.6 | 16.0  | 16.5 |      |      |  |
| HI PR | 231  |         |      | 248                                  | 262  | 273  | 259  | 279  | 294  | 307  | 294  | 317  | 335  | 349  | 335  | 361  | 381  | 397  | 377   | 406  | 429  | 447  | 417  | 448   | 474  | 494  | 417  | 448  | 474   | 494  |      |      |  |
| LO PR | 115  |         |      | 123                                  | 134  | 143  | 122  | 130  | 142  | 151  | 127  | 135  | 147  | 157  | 133  | 142  | 155  | 165  | 139   | 148  | 162  | 173  | 144  | 153   | 168  | 178  | 144  | 153  | 168   | 178  |      |      |  |
| MBh   | 37.2 |         |      | 37.9                                 | 39.7 | 42.4 | 36.3 | 37.0 | 38.8 | 41.4 | 35.5 | 36.1 | 37.9 | 40.4 | 34.6 | 35.3 | 36.9 | 39.4 | 32.9  | 33.5 | 35.1 | 37.4 | 30.4 | 31.0  | 32.5 | 34.7 | 30.4 | 31.0 | 32.5  | 34.7 |      |      |  |
| S/T   | 1.00 |         |      | 0.96                                 | 0.87 | 0.70 | 1.00 | 1.00 | 0.90 | 0.73 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.95 | 0.77 | 1.00  | 1.00 | 0.99 | 0.80 | 1.00 | 1.00  | 0.99 | 0.81 | 1.00 | 1.00 | 0.99  | 0.81 |      |      |  |
| Δ T   | 28   |         |      | 28                                   | 26   | 23   | 27   | 28   | 26   | 23   | 27   | 27   | 26   | 23   | 26   | 27   | 27   | 23   | 25    | 25   | 26   | 23   | 23   | 23    | 24   | 21   | 23   | 23   | 24    | 21   |      |      |  |
| kW    | 2.46 | 2.51    | 2.59 | 2.67                                 | 2.64 | 2.70 | 2.79 | 2.88 | 2.81 | 2.87 | 2.97 | 3.07 | 2.96 | 3.02 | 3.12 | 3.23 | 3.08 | 3.15 | 3.26  | 3.37 | 3.19 | 3.26 | 3.37 | 3.49  | 3.19 | 3.26 | 3.37 | 3.49 |       |      |      |      |  |
| Amps  | 11.3 | 11.5    | 11.8 | 12.2                                 | 12.0 | 12.3 | 12.6 | 13.0 | 12.9 | 13.2 | 13.5 | 14.0 | 13.6 | 13.9 | 14.3 | 14.8 | 14.4 | 14.7 | 15.1  | 15.6 | 15.1 | 15.4 | 15.9 | 16.4  | 15.1 | 15.4 | 15.9 | 16.4 |       |      |      |      |  |
| HI PR | 228  | 246     | 260  | 271                                  | 256  | 276  | 291  | 304  | 291  | 314  | 331  | 345  | 332  | 357  | 377  | 393  | 373  | 402  | 424   | 443  | 413  | 444  | 469  | 489   | 413  | 444  | 469  | 489  |       |      |      |      |  |
| LO PR | 114  | 122     | 133  | 141                                  | 121  | 128  | 140  | 149  | 125  | 133  | 146  | 155  | 132  | 140  | 153  | 163  | 138  | 147  | 160   | 171  | 143  | 152  | 166  | 177   | 143  | 152  | 166  | 177  |       |      |      |      |  |
| 1067  | 1067 | MBh     | 34.3 | 35.0                                 | 36.6 | 39.1 | 33.5 | 34.2 | 35.8 | 38.2 | 32.7 | 33.4 | 34.9 | 37.3 | 31.9 | 32.5 | 34.1 | 36.4 | 30.3  | 30.9 | 32.4 | 34.5 | 28.1 | 28.6  | 30.0 | 32.0 | 28.1 | 28.6 | 30.0  | 32.0 |      |      |  |
|       |      | S/T     | 0.96 | 0.93                                 | 0.84 | 0.68 | 0.99 | 0.96 | 0.87 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.74 | 1.00  | 1.00 | 0.95 | 0.77 | 1.00 | 1.00  | 0.96 | 0.78 | 1.00 | 1.00 | 0.96  | 0.78 |      |      |  |
|       |      | Δ T     | 28   | 28                                   | 26   | 23   | 29   | 28   | 27   | 23   | 28   | 28   | 27   | 23   | 28   | 28   | 27   | 23   | 26    | 27   | 27   | 23   | 24   | 25    | 21   | 25   | 24   | 25   | 21    |      |      |      |  |
|       |      | kW      | 2.40 | 2.45                                 | 2.52 | 2.60 | 2.58 | 2.64 | 2.72 | 2.81 | 2.74 | 2.80 | 2.89 | 2.99 | 2.89 | 2.95 | 3.05 | 3.15 | 3.01  | 3.07 | 3.17 | 3.28 | 3.11 | 3.18  | 3.29 | 3.40 | 3.11 | 3.18 | 3.29  | 3.40 |      |      |  |
|       |      | Amps    | 11.1 | 11.3                                 | 11.6 | 11.9 | 11.8 | 12.0 | 12.3 | 12.7 | 12.6 | 12.9 | 13.2 | 13.6 | 13.3 | 13.6 | 14.0 | 14.4 | 14.0  | 14.3 | 14.8 | 15.2 | 14.8 | 15.1  | 15.5 | 16.0 | 14.8 | 15.1 | 15.5  | 16.0 |      |      |  |
|       |      | HI PR   | 222  | 238                                  | 252  | 263  | 249  | 268  | 282  | 295  | 283  | 304  | 321  | 335  | 322  | 347  | 366  | 382  | 362   | 390  | 412  | 429  | 400  | 431   | 455  | 474  | 400  | 431  | 455   | 474  |      |      |  |
| LO PR | 111  | 118     | 129  | 137                                  | 117  | 125  | 136  | 145  | 122  | 129  | 141  | 151  | 128  | 136  | 148  | 158  | 134  | 143  | 156   | 166  | 139  | 147  | 161  | 171   | 139  | 147  | 161  | 171  |       |      |      |      |  |

|      |         | OUTDOOR AMBIENT TEMPERATURE |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |      |      |    |  |  |       |  |  |  |  |  |
|------|---------|-----------------------------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-------|------|------|----|--|--|-------|--|--|--|--|--|
|      |         | 65°F                        |      |      |    |      |      | 75°F |    |      |      |      |    | 85°F |      |      |    |      |      | 95°F |    |      |      |      |    | 105°F |      |      |    |  |  | 115°F |  |  |  |  |  |
| IDB  | AIRFLOW | 59                          | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59    | 63   | 67   | 71 |  |  |       |  |  |  |  |  |
| 70   | Mbh     | 42.8                        | 44.3 | 48.6 | -  | 41.8 | 43.3 | 47.4 | -  | 40.8 | 42.3 | 46.3 | -  | 39.8 | 41.2 | 45.2 | -  | 37.8 | 39.2 | 42.9 | -  | 35.0 | 36.3 | 39.7 | -  | 35.0  | 36.3 | 39.7 | -  |  |  |       |  |  |  |  |  |
|      | S/T     | 0.75                        | 0.62 | 0.43 | -  | 0.77 | 0.65 | 0.45 | -  | 0.79 | 0.66 | 0.46 | -  | 0.82 | 0.68 | 0.47 | -  | 0.85 | 0.71 | 0.49 | -  | 0.86 | 0.72 | 0.50 | -  | 0.86  | 0.72 | 0.50 | -  |  |  |       |  |  |  |  |  |
|      | Δ T     | 21                          | 18   | 14   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 21   | 18   | 14   | -  | 20   | 17   | 13   | -  | 20    | 17   | 13   | -  |  |  |       |  |  |  |  |  |
|      | kW      | 2.76                        | 2.82 | 2.91 | -  | 2.98 | 3.04 | 3.14 | -  | 3.16 | 3.23 | 3.34 | -  | 3.33 | 3.40 | 3.52 | -  | 3.47 | 3.55 | 3.67 | -  | 3.59 | 3.67 | 3.80 | -  | 3.59  | 3.67 | 3.80 | -  |  |  |       |  |  |  |  |  |
|      | Amps    | 12.2                        | 12.4 | 12.8 | -  | 13.0 | 13.3 | 13.7 | -  | 14.0 | 14.3 | 14.7 | -  | 14.8 | 15.1 | 15.6 | -  | 15.6 | 16.0 | 16.5 | -  | 16.5 | 16.8 | 17.3 | -  | 16.5  | 16.8 | 17.3 | -  |  |  |       |  |  |  |  |  |
|      | HI PR   | 239                         | 257  | 272  | -  | 268  | 289  | 305  | -  | 305  | 328  | 347  | -  | 347  | 374  | 395  | -  | 391  | 420  | 444  | -  | 432  | 465  | 491  | -  | 432   | 465  | 491  | -  |  |  |       |  |  |  |  |  |
|      | LO PR   | 109                         | 116  | 126  | -  | 115  | 122  | 134  | -  | 119  | 127  | 139  | -  | 125  | 134  | 146  | -  | 132  | 140  | 153  | -  | 136  | 145  | 158  | -  | 136   | 145  | 158  | -  |  |  |       |  |  |  |  |  |
| 70   | Mbh     | 41.5                        | 43.0 | 47.1 | -  | 40.5 | 42.0 | 46.0 | -  | 39.6 | 41.0 | 44.9 | -  | 38.6 | 40.0 | 43.8 | -  | 36.7 | 38.0 | 41.7 | -  | 34.0 | 35.2 | 38.6 | -  | 34.0  | 35.2 | 38.6 | -  |  |  |       |  |  |  |  |  |
|      | S/T     | 0.71                        | 0.59 | 0.41 | -  | 0.74 | 0.62 | 0.43 | -  | 0.76 | 0.63 | 0.44 | -  | 0.78 | 0.65 | 0.45 | -  | 0.81 | 0.68 | 0.47 | -  | 0.82 | 0.68 | 0.47 | -  | 0.82  | 0.68 | 0.47 | -  |  |  |       |  |  |  |  |  |
|      | Δ T     | 22                          | 19   | 14   | -  | 22   | 19   | 14   | -  | 22   | 19   | 14   | -  | 22   | 19   | 15   | -  | 22   | 19   | 14   | -  | 20   | 18   | 13   | -  | 20    | 18   | 13   | -  |  |  |       |  |  |  |  |  |
|      | kW      | 2.74                        | 2.80 | 2.89 | -  | 2.95 | 3.02 | 3.11 | -  | 3.14 | 3.21 | 3.31 | -  | 3.30 | 3.38 | 3.49 | -  | 3.44 | 3.52 | 3.64 | -  | 3.56 | 3.64 | 3.76 | -  | 3.56  | 3.64 | 3.76 | -  |  |  |       |  |  |  |  |  |
|      | Amps    | 12.1                        | 12.3 | 12.7 | -  | 12.9 | 13.2 | 13.6 | -  | 13.9 | 14.2 | 14.6 | -  | 14.7 | 15.0 | 15.4 | -  | 15.5 | 15.9 | 16.3 | -  | 16.3 | 16.7 | 17.2 | -  | 16.3  | 16.7 | 17.2 | -  |  |  |       |  |  |  |  |  |
|      | HI PR   | 237                         | 255  | 269  | -  | 265  | 286  | 302  | -  | 302  | 325  | 343  | -  | 344  | 370  | 391  | -  | 387  | 416  | 440  | -  | 427  | 460  | 486  | -  | 427   | 460  | 486  | -  |  |  |       |  |  |  |  |  |
|      | LO PR   | 108                         | 115  | 125  | -  | 114  | 121  | 132  | -  | 118  | 126  | 137  | -  | 124  | 132  | 144  | -  | 130  | 139  | 151  | -  | 135  | 143  | 156  | -  | 135   | 143  | 156  | -  |  |  |       |  |  |  |  |  |
| 1101 | Mbh     | 38.3                        | 39.7 | 43.5 | -  | 37.4 | 38.8 | 42.5 | -  | 36.5 | 37.9 | 41.5 | -  | 35.6 | 36.9 | 40.5 | -  | 33.9 | 35.1 | 38.4 | -  | 31.4 | 32.5 | 35.6 | -  | 31.4  | 32.5 | 35.6 | -  |  |  |       |  |  |  |  |  |
|      | S/T     | 0.69                        | 0.57 | 0.40 | -  | 0.71 | 0.59 | 0.41 | -  | 0.73 | 0.61 | 0.42 | -  | 0.75 | 0.63 | 0.44 | -  | 0.78 | 0.65 | 0.45 | -  | 0.79 | 0.66 | 0.46 | -  | 0.79  | 0.66 | 0.46 | -  |  |  |       |  |  |  |  |  |
|      | Δ T     | 22                          | 19   | 14   | -  | 22   | 19   | 15   | -  | 22   | 19   | 15   | -  | 22   | 19   | 15   | -  | 22   | 19   | 15   | -  | 21   | 18   | 14   | -  | 21    | 18   | 14   | -  |  |  |       |  |  |  |  |  |
|      | kW      | 2.68                        | 2.73 | 2.82 | -  | 2.88 | 2.94 | 3.04 | -  | 3.06 | 3.13 | 3.23 | -  | 3.22 | 3.29 | 3.40 | -  | 3.36 | 3.43 | 3.54 | -  | 3.47 | 3.55 | 3.67 | -  | 3.47  | 3.55 | 3.67 | -  |  |  |       |  |  |  |  |  |
|      | Amps    | 11.8                        | 12.0 | 12.4 | -  | 12.6 | 12.9 | 13.2 | -  | 13.5 | 13.8 | 14.2 | -  | 14.3 | 14.6 | 15.1 | -  | 15.1 | 15.5 | 15.9 | -  | 15.9 | 16.3 | 16.8 | -  | 15.9  | 16.3 | 16.8 | -  |  |  |       |  |  |  |  |  |
|      | HI PR   | 229                         | 247  | 261  | -  | 258  | 277  | 293  | -  | 293  | 315  | 333  | -  | 334  | 359  | 379  | -  | 375  | 404  | 426  | -  | 415  | 446  | 471  | -  | 415   | 446  | 471  | -  |  |  |       |  |  |  |  |  |
|      | LO PR   | 104                         | 111  | 121  | -  | 110  | 117  | 128  | -  | 115  | 122  | 133  | -  | 121  | 128  | 140  | -  | 126  | 134  | 147  | -  | 131  | 139  | 152  | -  | 131   | 139  | 152  | -  |  |  |       |  |  |  |  |  |

|      |         | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 115°F |      |      |      |      |      |       |    |    |    |    |    |    |    |
|------|---------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|----|----|----|----|----|----|----|
|      |         | 65°F                                 |      |      |      |      |      | 75°F |      |      |      |      |      | 85°F |      |      |      |      |      | 95°F  |      |      |      |      |      | 105°F |    |    |    |    |    |    |    |
|      |         | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |       |    |    |    |    |    |    |    |
| IDB  | AIRFLOW | 59                                   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67    | 71   | 59   | 63   | 67   | 71   | 59    | 63 | 67 | 71 | 59 | 63 | 67 | 71 |
| 1410 | MBh     | 43.5                                 | 44.8 | 48.5 | 52.0 | 42.5 | 43.7 | 47.3 | 50.8 | 41.5 | 42.7 | 46.2 | 49.6 | 40.4 | 41.6 | 45.1 | 48.4 | 38.4 | 39.6 | 42.8  | 46.0 | 35.6 | 36.6 | 39.7 | 42.6 |       |    |    |    |    |    |    |    |
|      | S/T     | 0.85                                 | 0.76 | 0.57 | 0.37 | 0.88 | 0.79 | 0.60 | 0.38 | 0.90 | 0.81 | 0.61 | 0.39 | 0.93 | 0.83 | 0.63 | 0.41 | 0.97 | 0.86 | 0.65  | 0.42 | 0.97 | 0.87 | 0.66 | 0.42 |       |    |    |    |    |    |    |    |
|      | Δ T     | 24                                   | 22   | 18   | 13   | 24   | 22   | 18   | 13   | 24   | 22   | 18   | 13   | 25   | 23   | 19   | 13   | 24   | 22   | 18    | 13   | 23   | 21   | 17   | 12   |       |    |    |    |    |    |    |    |
|      | kW      | 2.79                                 | 2.85 | 2.94 | 3.03 | 3.00 | 3.07 | 3.16 | 3.27 | 3.19 | 3.26 | 3.37 | 3.48 | 3.36 | 3.43 | 3.55 | 3.66 | 3.50 | 3.58 | 3.70  | 3.82 | 3.62 | 3.70 | 3.83 | 3.96 |       |    |    |    |    |    |    |    |
|      | Amps    | 12.3                                 | 12.5 | 12.9 | 13.3 | 13.1 | 13.4 | 13.8 | 14.2 | 14.1 | 14.4 | 14.8 | 15.3 | 14.9 | 15.3 | 15.7 | 16.2 | 15.8 | 16.1 | 16.6  | 17.2 | 16.6 | 17.0 | 17.5 | 18.1 |       |    |    |    |    |    |    |    |
|      | HI PR   | 241                                  | 260  | 274  | 286  | 271  | 291  | 308  | 321  | 308  | 332  | 350  | 365  | 351  | 378  | 399  | 416  | 395  | 425  | 449   | 468  | 436  | 469  | 496  | 517  |       |    |    |    |    |    |    |    |
|      | LO PR   | 110                                  | 117  | 128  | 136  | 116  | 124  | 135  | 144  | 121  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133  | 141  | 154   | 164  | 137  | 146  | 160  | 170  |       |    |    |    |    |    |    |    |
| 75   | MBh     | 42.2                                 | 43.5 | 47.0 | 50.5 | 41.2 | 42.5 | 45.9 | 49.3 | 40.2 | 41.4 | 44.9 | 48.1 | 39.3 | 40.4 | 43.8 | 47.0 | 37.3 | 38.4 | 41.6  | 44.6 | 34.6 | 35.6 | 38.5 | 41.3 |       |    |    |    |    |    |    |    |
|      | S/T     | 0.81                                 | 0.72 | 0.55 | 0.35 | 0.84 | 0.75 | 0.57 | 0.37 | 0.86 | 0.77 | 0.58 | 0.37 | 0.89 | 0.79 | 0.60 | 0.39 | 0.92 | 0.82 | 0.62  | 0.40 | 0.93 | 0.83 | 0.63 | 0.40 |       |    |    |    |    |    |    |    |
|      | Δ T     | 25                                   | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 26   | 24   | 19   | 13   | 25   | 23   | 19    | 13   | 24   | 22   | 18   | 12   |       |    |    |    |    |    |    |    |
|      | kW      | 2.76                                 | 2.82 | 2.91 | 3.01 | 2.98 | 3.04 | 3.14 | 3.24 | 3.16 | 3.23 | 3.34 | 3.45 | 3.33 | 3.40 | 3.52 | 3.63 | 3.47 | 3.55 | 3.67  | 3.79 | 3.59 | 3.67 | 3.80 | 3.93 |       |    |    |    |    |    |    |    |
|      | Amps    | 12.2                                 | 12.4 | 12.8 | 13.2 | 13.0 | 13.3 | 13.7 | 14.1 | 14.0 | 14.3 | 14.7 | 15.2 | 14.8 | 15.1 | 15.6 | 16.1 | 15.7 | 16.0 | 16.5  | 17.0 | 16.5 | 16.8 | 17.3 | 17.9 |       |    |    |    |    |    |    |    |
|      | HI PR   | 239                                  | 257  | 272  | 283  | 268  | 289  | 305  | 318  | 305  | 328  | 347  | 362  | 347  | 374  | 395  | 412  | 391  | 421  | 444   | 463  | 432  | 465  | 491  | 512  |       |    |    |    |    |    |    |    |
|      | LO PR   | 109                                  | 116  | 126  | 135  | 115  | 122  | 134  | 142  | 119  | 127  | 139  | 148  | 126  | 134  | 146  | 155  | 132  | 140  | 153   | 163  | 136  | 145  | 158  | 168  |       |    |    |    |    |    |    |    |
| 1101 | MBh     | 39.0                                 | 40.1 | 43.4 | 46.6 | 38.1 | 39.2 | 42.4 | 45.5 | 37.2 | 38.3 | 41.4 | 44.4 | 36.2 | 37.3 | 40.4 | 43.4 | 34.4 | 35.5 | 38.4  | 41.2 | 31.9 | 32.8 | 35.5 | 38.1 |       |    |    |    |    |    |    |    |
|      | S/T     | 0.78                                 | 0.70 | 0.53 | 0.34 | 0.81 | 0.72 | 0.55 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.86 | 0.77 | 0.58 | 0.37 | 0.89 | 0.79 | 0.60  | 0.39 | 0.90 | 0.80 | 0.61 | 0.39 |       |    |    |    |    |    |    |    |
|      | Δ T     | 25                                   | 23   | 19   | 13   | 26   | 24   | 19   | 13   | 26   | 24   | 19   | 13   | 26   | 24   | 20   | 13   | 26   | 24   | 19    | 13   | 24   | 22   | 18   | 12   |       |    |    |    |    |    |    |    |
|      | kW      | 2.70                                 | 2.75 | 2.84 | 2.93 | 2.90 | 2.97 | 3.06 | 3.16 | 3.09 | 3.15 | 3.26 | 3.36 | 3.25 | 3.32 | 3.43 | 3.54 | 3.38 | 3.46 | 3.57  | 3.69 | 3.50 | 3.58 | 3.70 | 3.82 |       |    |    |    |    |    |    |    |
|      | Amps    | 11.9                                 | 12.1 | 12.5 | 12.9 | 12.7 | 13.0 | 13.3 | 13.8 | 13.6 | 13.9 | 14.3 | 14.8 | 14.5 | 14.8 | 15.2 | 15.7 | 15.3 | 15.6 | 16.1  | 16.6 | 16.1 | 16.4 | 16.9 | 17.5 |       |    |    |    |    |    |    |    |
|      | HI PR   | 232                                  | 249  | 263  | 275  | 260  | 280  | 296  | 308  | 296  | 318  | 336  | 351  | 337  | 363  | 383  | 399  | 379  | 408  | 431   | 449  | 419  | 451  | 476  | 496  |       |    |    |    |    |    |    |    |
|      | LO PR   | 106                                  | 112  | 123  | 131  | 112  | 119  | 130  | 138  | 116  | 123  | 135  | 143  | 122  | 130  | 141  | 151  | 128  | 136  | 148   | 158  | 132  | 140  | 153  | 163  |       |    |    |    |    |    |    |    |

|       |         | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |       |      |      |  |  |  |
|-------|---------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|------|------|--|--|--|
|       |         | 65°F                                 |      |      |      |      |      | 75°F |      |      |      |      |      | 85°F |      |      |      |      |      | 95°F |      |      |      |      |      | 105°F |      |      |      |      |      | 115°F |      |      |  |  |  |
| IDB   | AIRFLOW | 59                                   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59    | 63   | 67   | 71   | 59   | 63   | 67    | 71   |      |  |  |  |
| 80    |         | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |       |      |      |  |  |  |
|       | Mb/h    | 44.3                                 | 45.2 | 48.3 | 51.6 | 43.2 | 44.2 | 47.2 | 50.4 | 42.2 | 43.1 | 46.1 | 49.2 | 41.2 | 42.1 | 44.9 | 48.0 | 39.1 | 40.0 | 42.7 | 45.6 | 36.2 | 37.0 | 39.5 | 42.3 | 36.2  | 37.0 | 39.5 | 42.3 | 36.2 | 37.0 | 39.5  | 42.3 |      |  |  |  |
|       | S/T     | 0.93                                 | 0.87 | 0.71 | 0.53 | 0.96 | 0.90 | 0.74 | 0.55 | 1.00 | 0.93 | 0.75 | 0.56 | 1.00 | 0.96 | 0.78 | 0.58 | 1.00 | 1.00 | 0.81 | 0.60 | 1.00 | 1.00 | 0.82 | 0.61 | 1.00  | 1.00 | 0.82 | 0.61 | 1.00 | 1.00 | 0.82  | 0.61 |      |  |  |  |
|       | Δ T     | 27                                   | 26   | 22   | 18   | 27   | 26   | 23   | 18   | 28   | 26   | 23   | 18   | 27   | 26   | 23   | 18   | 26   | 26   | 23   | 18   | 24   | 24   | 21   | 17   | 24    | 24   | 21   | 17   | 24   | 24   | 21    | 17   |      |  |  |  |
|       | kW      | 2.81                                 | 2.87 | 2.96 | 3.05 | 3.03 | 3.09 | 3.19 | 3.30 | 3.22 | 3.29 | 3.40 | 3.51 | 3.39 | 3.46 | 3.58 | 3.70 | 3.53 | 3.61 | 3.73 | 3.86 | 3.65 | 3.74 | 3.86 | 3.99 | 3.65  | 3.74 | 3.86 | 3.99 | 3.65 | 3.74 | 3.86  | 3.99 |      |  |  |  |
|       | Amps    | 12.4                                 | 12.6 | 13.0 | 13.4 | 13.2 | 13.5 | 13.9 | 14.3 | 14.2 | 14.5 | 14.9 | 15.4 | 15.1 | 15.4 | 15.8 | 16.4 | 15.9 | 16.3 | 16.7 | 17.3 | 16.7 | 17.1 | 17.6 | 18.2 | 16.7  | 17.1 | 17.6 | 18.2 | 16.7 | 17.1 | 17.6  | 18.2 |      |  |  |  |
|       | HI PR   | 244                                  | 262  | 277  | 289  | 274  | 294  | 311  | 324  | 311  | 335  | 354  | 369  | 354  | 381  | 403  | 420  | 399  | 429  | 453  | 473  | 441  | 474  | 501  | 522  | 441   | 474  | 501  | 522  | 441  | 474  | 501   | 522  |      |  |  |  |
|       | LO PR   | 111                                  | 118  | 129  | 137  | 117  | 125  | 136  | 145  | 122  | 130  | 142  | 151  | 128  | 136  | 149  | 158  | 134  | 143  | 156  | 166  | 139  | 148  | 161  | 172  | 139   | 148  | 161  | 172  | 139  | 148  | 161   | 172  |      |  |  |  |
|       | Mb/h    | 43.0                                 | 43.9 | 46.9 | 50.1 | 42.0 | 42.9 | 45.8 | 49.0 | 41.0 | 41.9 | 44.7 | 47.8 | 40.0 | 40.8 | 43.6 | 46.6 | 38.0 | 38.8 | 41.4 | 44.3 | 35.2 | 35.9 | 38.4 | 41.0 | 35.2  | 35.9 | 38.4 | 41.0 | 35.2 | 35.9 | 38.4  | 41.0 |      |  |  |  |
|       | S/T     | 0.89                                 | 0.83 | 0.68 | 0.51 | 0.92 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.56 | 1.00 | 0.95 | 0.77 | 0.58 | 1.00 | 0.96 | 0.78 | 0.58 | 1.00  | 0.96 | 0.78 | 0.58 | 1.00 | 0.96 | 0.78  | 0.58 |      |  |  |  |
| Δ T   | 28      | 27                                   | 23   | 19   | 28   | 27   | 24   | 19   | 28   | 27   | 24   | 19   | 28   | 27   | 24   | 19   | 28   | 27   | 23   | 19   | 26   | 25   | 22   | 17   | 26   | 25    | 22   | 17   | 26   | 25   | 22   | 17    |      |      |  |  |  |
| kW    | 2.79    | 2.85                                 | 2.94 | 3.03 | 3.00 | 3.07 | 3.16 | 3.27 | 3.19 | 3.26 | 3.37 | 3.48 | 3.36 | 3.43 | 3.55 | 3.67 | 3.50 | 3.58 | 3.70 | 3.82 | 3.62 | 3.71 | 3.83 | 3.96 | 3.62 | 3.71  | 3.83 | 3.96 | 3.62 | 3.71 | 3.83 | 3.96  |      |      |  |  |  |
| Amps  | 12.3    | 12.5                                 | 12.9 | 13.3 | 13.1 | 13.4 | 13.8 | 14.2 | 14.1 | 14.4 | 14.8 | 15.3 | 14.9 | 15.3 | 15.7 | 16.2 | 15.8 | 16.1 | 16.6 | 17.2 | 16.6 | 17.0 | 17.5 | 18.1 | 16.6 | 17.0  | 17.5 | 18.1 | 16.6 | 17.0 | 17.5 | 18.1  |      |      |  |  |  |
| HI PR | 241     | 260                                  | 274  | 286  | 271  | 292  | 308  | 321  | 308  | 332  | 350  | 365  | 351  | 378  | 399  | 416  | 395  | 425  | 449  | 468  | 436  | 469  | 496  | 517  | 436  | 469   | 496  | 517  | 436  | 469  | 496  | 517   |      |      |  |  |  |
| LO PR | 110     | 117                                  | 128  | 136  | 116  | 124  | 135  | 144  | 121  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133  | 141  | 154  | 164  | 137  | 146  | 160  | 170  | 137  | 146   | 160  | 170  | 137  | 146  | 160  | 170   |      |      |  |  |  |
| 1101  | Mb/h    | 39.7                                 | 40.5 | 43.3 | 46.3 | 38.7 | 39.6 | 42.3 | 45.2 | 37.8 | 38.6 | 41.3 | 44.1 | 36.9 | 37.7 | 40.3 | 43.1 | 35.0 | 35.8 | 38.3 | 40.9 | 32.5 | 33.2 | 35.4 | 37.9 | 32.5  | 33.2 | 35.4 | 37.9 | 32.5 | 33.2 | 35.4  | 37.9 |      |  |  |  |
|       | S/T     | 0.86                                 | 0.80 | 0.65 | 0.49 | 0.89 | 0.83 | 0.68 | 0.51 | 0.91 | 0.85 | 0.69 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.56 | 0.98 | 0.92 | 0.75 | 0.56 | 0.98  | 0.92 | 0.75 | 0.56 | 0.98 | 0.92 | 0.75  | 0.56 |      |  |  |  |
|       | Δ T     | 28                                   | 27   | 24   | 19   | 29   | 27   | 24   | 19   | 29   | 28   | 24   | 19   | 29   | 28   | 24   | 19   | 28   | 27   | 23   | 19   | 27   | 26   | 22   | 18   | 27    | 26   | 22   | 18   | 27   | 26   | 22    | 18   |      |  |  |  |
|       | kW      | 2.72                                 | 2.78 | 2.86 | 2.96 | 2.93 | 2.99 | 3.09 | 3.19 | 3.11 | 3.18 | 3.28 | 3.39 | 3.27 | 3.35 | 3.46 | 3.57 | 3.41 | 3.49 | 3.60 | 3.73 | 3.53 | 3.61 | 3.73 | 3.86 | 3.53  | 3.61 | 3.73 | 3.86 | 3.53 | 3.61 | 3.73  | 3.86 |      |  |  |  |
|       | Amps    | 12.0                                 | 12.2 | 12.6 | 13.0 | 12.8 | 13.1 | 13.4 | 13.9 | 13.8 | 14.0 | 14.5 | 14.9 | 14.6 | 14.9 | 15.3 | 15.8 | 15.4 | 15.7 | 16.2 | 16.7 | 16.2 | 16.6 | 17.1 | 17.6 | 16.2  | 16.6 | 17.1 | 17.6 | 16.2 | 16.6 | 17.1  | 17.6 |      |  |  |  |
|       | HI PR   | 234                                  | 252  | 266  | 278  | 263  | 283  | 299  | 311  | 299  | 322  | 340  | 354  | 340  | 366  | 387  | 403  | 383  | 412  | 435  | 454  | 423  | 455  | 481  | 501  | 423   | 455  | 481  | 501  | 423  | 455  | 481   | 501  |      |  |  |  |
|       | LO PR   | 107                                  | 113  | 124  | 132  | 113  | 120  | 131  | 139  | 117  | 125  | 136  | 145  | 123  | 131  | 143  | 152  | 129  | 137  | 150  | 159  | 133  | 142  | 155  | 165  | 133   | 142  | 155  | 165  | 133  | 142  | 155   | 165  |      |  |  |  |
|       | 85      | Mb/h                                 | 45.0 | 45.9 | 48.1 | 51.3 | 44.0 | 44.8 | 47.0 | 50.1 | 42.9 | 43.8 | 45.8 | 48.9 | 41.9 | 42.7 | 44.7 | 47.7 | 39.8 | 40.6 | 42.5 | 45.3 | 36.9 | 37.6 | 39.3 | 42.0  | 36.9 | 37.6 | 39.3 | 42.0 | 36.9 | 37.6  | 39.3 | 42.0 |  |  |  |
|       |         | S/T                                  | 0.98 | 0.94 | 0.85 | 0.69 | 1.00 | 0.98 | 0.88 | 0.71 | 1.00 | 1.00 | 0.90 | 0.73 | 1.00 | 1.00 | 0.93 | 0.76 | 1.00 | 1.00 | 0.97 | 0.78 | 1.00 | 1.00 | 0.98 | 0.79  | 1.00 | 1.00 | 0.98 | 0.79 | 1.00 | 1.00  | 0.98 | 0.79 |  |  |  |
|       |         | Δ T                                  | 29   | 28   | 27   | 23   | 29   | 29   | 27   | 23   | 28   | 29   | 27   | 23   | 27   | 28   | 27   | 24   | 26   | 26   | 27   | 23   | 24   | 25   | 22   | 22    | 26   | 26   | 27   | 23   | 24   | 25    | 25   | 22   |  |  |  |
| kW    |         | 2.83                                 | 2.89 | 2.98 | 3.08 | 3.05 | 3.12 | 3.22 | 3.32 | 3.24 | 3.32 | 3.42 | 3.54 | 3.41 | 3.49 | 3.61 | 3.73 | 3.56 | 3.64 | 3.76 | 3.89 | 3.68 | 3.77 | 3.89 | 4.03 | 3.68  | 3.77 | 3.89 | 4.03 | 3.68 | 3.77 | 3.89  | 4.03 |      |  |  |  |
| Amps  |         | 12.5                                 | 12.7 | 13.1 | 13.5 | 13.3 | 13.6 | 14.0 | 14.4 | 14.3 | 14.6 | 15.0 | 15.5 | 15.2 | 15.5 | 16.0 | 16.5 | 16.0 | 16.4 | 16.9 | 17.5 | 16.9 | 17.3 | 17.8 | 18.4 | 16.9  | 17.3 | 17.8 | 18.4 | 16.9 | 17.3 | 17.8  | 18.4 |      |  |  |  |
| HI PR |         | 246                                  | 265  | 280  | 292  | 276  | 297  | 314  | 328  | 314  | 338  | 357  | 372  | 358  | 385  | 407  | 424  | 403  | 433  | 458  | 477  | 445  | 479  | 506  | 527  | 445   | 479  | 506  | 527  | 445  | 479  | 506   | 527  |      |  |  |  |
| LO PR |         | 112                                  | 119  | 130  | 139  | 118  | 126  | 138  | 147  | 123  | 131  | 143  | 152  | 129  | 138  | 150  | 160  | 136  | 144  | 157  | 168  | 140  | 149  | 163  | 173  | 140   | 149  | 163  | 173  | 140  | 149  | 163   | 173  |      |  |  |  |
| Mb/h  |         | 43.7                                 | 44.6 | 46.7 | 49.8 | 42.7 | 43.5 | 45.6 | 48.6 | 41.7 | 42.5 | 44.5 | 47.5 | 40.7 | 41.5 | 43.4 | 46.3 | 38.6 | 39.4 | 41.2 | 44.0 | 35.8 | 36.5 | 38.2 | 40.8 | 35.8  | 36.5 | 38.2 | 40.8 | 35.8 | 36.5 | 38.2  | 40.8 |      |  |  |  |
| S/T   |         | 0.93                                 | 0.90 | 0.81 | 0.66 | 0.96 | 0.93 | 0.84 | 0.68 | 0.99 | 0.95 | 0.86 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.93 | 0.75 | 1.00  | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.93  | 0.75 |      |  |  |  |
| Δ T   |         | 30                                   | 29   | 28   | 24   | 30   | 30   | 28   | 24   | 30   | 30   | 28   | 24   | 30   | 30   | 28   | 24   | 28   | 29   | 28   | 24   | 26   | 27   | 26   | 23   | 26    | 27   | 26   | 23   | 26   | 27   | 26    | 23   |      |  |  |  |
| kW    | 2.81    | 2.87                                 | 2.96 | 3.05 | 3.03 | 3.09 | 3.19 | 3.30 | 3.22 | 3.29 | 3.40 | 3.51 | 3.39 | 3.46 | 3.58 | 3.70 | 3.53 | 3.61 | 3.73 | 3.86 | 3.65 | 3.74 | 3.86 | 3.99 | 3.65 | 3.74  | 3.86 | 3.99 | 3.65 | 3.74 | 3.86 | 3.99  |      |      |  |  |  |
| Amps  | 12.4    | 12.6                                 | 13.0 | 13.4 | 13.2 | 13.5 | 13.9 | 14.3 | 14.2 | 14.5 | 14.9 | 15.4 | 15.1 | 15.4 | 15.8 | 16.4 | 15.9 | 16.3 | 16.7 | 17.3 | 16.7 | 17.1 | 17.6 | 18.2 | 16.7 | 17.1  | 17.6 | 18.2 | 16.7 | 17.1 | 17.6 | 18.2  |      |      |  |  |  |
| HI PR | 244     | 262                                  | 277  | 289  | 274  | 294  | 311  | 324  | 311  | 335  | 354  | 369  | 354  | 381  | 403  | 420  | 399  | 429  | 453  | 473  | 441  | 474  | 501  | 522  | 441  | 474   | 501  | 522  | 441  | 474  | 501  | 522   |      |      |  |  |  |
| LO PR | 111     | 118                                  | 129  | 137  | 117  | 125  | 136  | 145  | 122  | 130  | 142  | 151  | 128  | 136  | 149  | 158  | 134  | 143  | 156  | 166  | 139  | 148  | 161  | 172  | 139  | 148   | 161  | 172  | 139  | 148  | 161  | 172   |      |      |  |  |  |
| 1101  | Mb/h    | 40.3                                 | 41.1 | 43.1 | 46.0 | 39.4 | 40.2 | 42.1 | 44.9 | 38.5 | 39.2 | 41.1 | 43.8 | 37.5 | 38.3 | 40.1 | 42.7 | 35.7 | 36.3 | 38.1 | 40.6 | 33.0 | 33.7 | 35.3 | 37.6 | 33.0  | 33.7 | 35.3 | 37.6 | 33.0 | 33.7 | 35.3  | 37.6 |      |  |  |  |
|       | S/T     | 0.90                                 | 0.87 | 0.78 | 0.63 | 0.93 | 0.90 | 0.81 | 0.66 | 0.95 | 0.92 | 0.83 | 0.6  |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |       |      |      |  |  |  |

|      |         | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |    |    |  |  |       |  |  |  |  |  |
|------|---------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|----|----|----|--|--|-------|--|--|--|--|--|
|      |         | 65°F                                 |      |      |      |      |      | 75°F |      |      |      |      |      | 85°F |      |      |      |      |      | 95°F |      |      |      |      |      | 105°F |    |    |    |  |  | 115°F |  |  |  |  |  |
|      |         | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |    |    |  |  |       |  |  |  |  |  |
| IDB  | AIRFLOW | 59                                   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59    | 63 | 67 | 71 |  |  |       |  |  |  |  |  |
| 70   | 1443    | MBh                                  | 46.2 | 47.9 | 52.5 | -    | 45.1 | 46.8 | 51.3 | -    | 44.1 | 45.7 | 50.0 | -    | 43.0 | 44.6 | 48.8 | -    | 40.8 | 42.3 | 46.4 | -    | 37.8 | 39.2 | 43.0 | -     |    |    |    |  |  |       |  |  |  |  |  |
|      |         | S/T                                  | 0.72 | 0.60 | 0.42 | -    | 0.75 | 0.62 | 0.43 | -    | 0.77 | 0.64 | 0.44 | -    | 0.79 | 0.66 | 0.46 | -    | 0.82 | 0.69 | 0.47 | -    | 0.83 | 0.69 | 0.48 | -     |    |    |    |  |  |       |  |  |  |  |  |
|      |         | Δ T                                  | 21   | 18   | 14   | -    | 21   | 19   | 14   | -    | 21   | 19   | 14   | -    | 22   | 19   | 14   | -    | 21   | 18   | 14   | -    | 20   | 17   | 13   | -     |    |    |    |  |  |       |  |  |  |  |  |
|      |         | kW                                   | 3.05 | 3.11 | 3.21 | -    | 3.28 | 3.35 | 3.46 | -    | 3.49 | 3.56 | 3.68 | -    | 3.67 | 3.75 | 3.87 | -    | 3.83 | 3.91 | 4.04 | -    | 3.96 | 4.05 | 4.18 | -     |    |    |    |  |  |       |  |  |  |  |  |
|      | Amps    | 14.3                                 | 14.6 | 15.0 | -    | 15.3 | 15.6 | 16.1 | -    | 16.4 | 16.8 | 17.3 | -    | 17.4 | 17.8 | 18.3 | -    | 18.4 | 18.8 | 19.3 | -    | 19.3 | 19.7 | 20.3 | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | HI PR   | 239                                  | 257  | 271  | -    | 268  | 288  | 304  | -    | 305  | 328  | 346  | -    | 347  | 373  | 394  | -    | 390  | 420  | 443  | -    | 431  | 464  | 490  | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | LO PR   | 106                                  | 113  | 123  | -    | 112  | 119  | 130  | -    | 116  | 124  | 135  | -    | 122  | 130  | 142  | -    | 128  | 136  | 149  | -    | 132  | 141  | 154  | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | 1286    | MBh                                  | 44.9 | 46.5 | 51.0 | -    | 43.8 | 45.4 | 49.8 | -    | 42.8 | 44.3 | 48.6 | -    | 41.7 | 43.3 | 47.4 | -    | 39.7 | 41.1 | 45.0 | -    | 36.7 | 38.1 | 41.7 | -     |    |    |    |  |  |       |  |  |  |  |  |
| S/T  |         | 0.69                                 | 0.57 | 0.40 | -    | 0.71 | 0.59 | 0.41 | -    | 0.73 | 0.61 | 0.42 | -    | 0.75 | 0.63 | 0.44 | -    | 0.78 | 0.65 | 0.45 | -    | 0.79 | 0.66 | 0.46 | -    |       |    |    |    |  |  |       |  |  |  |  |  |
| Δ T  |         | 22                                   | 19   | 14   | -    | 22   | 19   | 15   | -    | 22   | 19   | 15   | -    | 23   | 19   | 15   | -    | 22   | 19   | 15   | -    | 21   | 18   | 14   | -    |       |    |    |    |  |  |       |  |  |  |  |  |
| kW   |         | 3.02                                 | 3.09 | 3.18 | -    | 3.25 | 3.32 | 3.43 | -    | 3.46 | 3.53 | 3.65 | -    | 3.64 | 3.72 | 3.84 | -    | 3.79 | 3.88 | 4.01 | -    | 3.93 | 4.01 | 4.15 | -    |       |    |    |    |  |  |       |  |  |  |  |  |
| 1128 | Amps    | 14.2                                 | 14.5 | 14.9 | -    | 15.2 | 15.5 | 15.9 | -    | 16.3 | 16.6 | 17.1 | -    | 17.3 | 17.6 | 18.1 | -    | 18.2 | 18.6 | 19.2 | -    | 19.2 | 19.6 | 20.2 | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | HI PR   | 236                                  | 254  | 269  | -    | 265  | 285  | 301  | -    | 302  | 325  | 343  | -    | 343  | 370  | 390  | -    | 386  | 416  | 439  | -    | 427  | 459  | 485  | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | LO PR   | 105                                  | 111  | 122  | -    | 111  | 118  | 129  | -    | 115  | 122  | 134  | -    | 121  | 129  | 140  | -    | 127  | 135  | 147  | -    | 131  | 139  | 152  | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | MBh     | 41.4                                 | 42.9 | 47.0 | -    | 40.4 | 41.9 | 45.9 | -    | 39.5 | 40.9 | 44.8 | -    | 38.5 | 39.9 | 43.7 | -    | 36.6 | 37.9 | 41.6 | -    | 33.9 | 35.1 | 38.5 | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | S/T     | 0.66                                 | 0.55 | 0.38 | -    | 0.69 | 0.57 | 0.40 | -    | 0.70 | 0.59 | 0.41 | -    | 0.73 | 0.61 | 0.42 | -    | 0.75 | 0.63 | 0.44 | -    | 0.76 | 0.64 | 0.44 | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | Δ T     | 22                                   | 19   | 15   | -    | 23   | 20   | 15   | -    | 23   | 20   | 15   | -    | 23   | 20   | 15   | -    | 23   | 19   | 15   | -    | 21   | 18   | 14   | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | kW      | 2.95                                 | 3.01 | 3.11 | -    | 3.18 | 3.24 | 3.35 | -    | 3.37 | 3.45 | 3.56 | -    | 3.55 | 3.63 | 3.75 | -    | 3.70 | 3.78 | 3.91 | -    | 3.83 | 3.91 | 4.04 | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | Amps    | 13.9                                 | 14.2 | 14.6 | -    | 14.8 | 15.1 | 15.6 | -    | 15.9 | 16.2 | 16.7 | -    | 16.9 | 17.2 | 17.7 | -    | 17.8 | 18.2 | 18.7 | -    | 18.7 | 19.1 | 19.7 | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | HI PR   | 229                                  | 247  | 260  | -    | 257  | 277  | 292  | -    | 293  | 315  | 332  | -    | 333  | 359  | 379  | -    | 375  | 403  | 426  | -    | 414  | 446  | 471  | -    |       |    |    |    |  |  |       |  |  |  |  |  |
|      | LO PR   | 102                                  | 108  | 118  | -    | 107  | 114  | 125  | -    | 112  | 119  | 130  | -    | 117  | 125  | 136  | -    | 123  | 131  | 143  | -    | 127  | 135  | 148  | -    |       |    |    |    |  |  |       |  |  |  |  |  |

|    |         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 75 | AIRFLOW | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |
|    | MBh     | 47.0 | 48.4 | 52.4 | 56.2 | 45.9 | 47.3 | 51.2 | 54.9 | 44.8 | 46.1 | 49.9 | 53.6 | 43.7 | 45.0 | 48.7 | 52.3 | 41.5 | 42.8 | 46.3 | 49.7 | 38.5 | 39.6 | 42.9 | 46.0 |
|    | S/T     | 0.82 | 0.73 | 0.55 | 0.36 | 0.85 | 0.76 | 0.57 | 0.37 | 0.87 | 0.78 | 0.59 | 0.38 | 0.90 | 0.80 | 0.61 | 0.39 | 0.93 | 0.83 | 0.63 | 0.41 | 0.94 | 0.84 | 0.64 | 0.41 |
|    | Δ T     | 25   | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 23   | 21   | 17   | 12   |
|    | 1443    | 3.07 | 3.14 | 3.24 | 3.34 | 3.31 | 3.38 | 3.49 | 3.60 | 3.52 | 3.59 | 3.71 | 3.83 | 3.70 | 3.78 | 3.91 | 4.04 | 3.86 | 3.94 | 4.08 | 4.21 | 3.99 | 4.08 | 4.22 | 4.36 |
|    | Amps    | 14.5 | 14.7 | 15.1 | 15.6 | 15.4 | 15.7 | 16.2 | 16.7 | 16.6 | 16.9 | 17.4 | 18.0 | 17.5 | 17.9 | 18.4 | 19.0 | 18.5 | 18.9 | 19.5 | 20.1 | 19.5 | 19.9 | 20.5 | 21.2 |
|    | HI PR   | 241  | 259  | 274  | 286  | 271  | 291  | 307  | 321  | 308  | 331  | 350  | 365  | 350  | 377  | 398  | 415  | 394  | 424  | 448  | 467  | 436  | 469  | 495  | 516  |
|    | LO PR   | 107  | 114  | 124  | 132  | 113  | 120  | 131  | 140  | 117  | 125  | 136  | 145  | 123  | 131  | 143  | 152  | 129  | 137  | 150  | 160  | 134  | 142  | 155  | 165  |
|    | MBh     | 45.6 | 47.0 | 50.8 | 54.6 | 44.6 | 45.9 | 49.7 | 53.3 | 43.5 | 44.8 | 48.5 | 52.0 | 42.4 | 43.7 | 47.3 | 50.8 | 40.3 | 41.5 | 44.9 | 48.2 | 37.4 | 38.5 | 41.6 | 44.7 |
|    | S/T     | 0.78 | 0.70 | 0.53 | 0.34 | 0.81 | 0.72 | 0.55 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.86 | 0.77 | 0.58 | 0.37 | 0.89 | 0.80 | 0.60 | 0.39 | 0.90 | 0.80 | 0.61 | 0.39 |

IDB: Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

KW = Total system power  
 Amps = outdoor unit amps (comp.+fan)

|      |         | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |  |  |       |  |  |  |  |  |
|------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|--|--|-------|--|--|--|--|--|
|      |         | 65°F                        |      |      |      |      |      | 75°F |      |      |      |      |      | 85°F |      |      |      |      |      | 95°F |      |      |      |      |      | 105°F |      |      |      |  |  | 115°F |  |  |  |  |  |
| IDB  | AIRFLOW | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59    | 63   | 67   | 71   |  |  |       |  |  |  |  |  |
| 80   | MBh     | 47.8                        | 48.9 | 52.2 | 55.8 | 46.7 | 47.7 | 51.0 | 54.5 | 45.6 | 46.6 | 49.8 | 53.2 | 44.5 | 45.5 | 48.6 | 51.9 | 42.3 | 43.2 | 46.1 | 49.3 | 39.2 | 40.0 | 42.7 | 45.7 | 39.2  | 40.0 | 42.7 | 45.7 |  |  |       |  |  |  |  |  |
|      | S/T     | 0.90                        | 0.84 | 0.69 | 0.51 | 0.93 | 0.87 | 0.71 | 0.53 | 0.95 | 0.90 | 0.73 | 0.54 | 1.00 | 0.92 | 0.75 | 0.56 | 1.00 | 0.96 | 0.78 | 0.58 | 1.00 | 0.97 | 0.79 | 0.59 | 1.00  | 0.97 | 0.79 | 0.59 |  |  |       |  |  |  |  |  |
|      | Δ T     | 27                          | 26   | 23   | 18   | 28   | 27   | 23   | 18   | 28   | 27   | 23   | 18   | 28   | 27   | 23   | 19   | 27   | 26   | 23   | 18   | 25   | 25   | 21   | 17   | 25    | 25   | 21   | 17   |  |  |       |  |  |  |  |  |
|      | kW      | 3.10                        | 3.16 | 3.26 | 3.37 | 3.33 | 3.41 | 3.52 | 3.63 | 3.55 | 3.62 | 3.74 | 3.87 | 3.73 | 3.82 | 3.94 | 4.07 | 3.89 | 3.98 | 4.11 | 4.25 | 4.03 | 4.12 | 4.26 | 4.40 | 4.03  | 4.12 | 4.26 | 4.40 |  |  |       |  |  |  |  |  |
|      | Amps    | 14.6                        | 14.9 | 15.3 | 15.7 | 15.6 | 15.9 | 16.3 | 16.8 | 16.7 | 17.0 | 17.5 | 18.1 | 17.7 | 18.1 | 18.6 | 19.2 | 18.7 | 19.1 | 19.6 | 20.3 | 19.6 | 20.1 | 20.7 | 21.4 | 19.6  | 20.1 | 20.7 | 21.4 |  |  |       |  |  |  |  |  |
|      | HI PR   | 244                         | 262  | 277  | 289  | 273  | 294  | 311  | 324  | 311  | 334  | 353  | 368  | 354  | 381  | 402  | 420  | 398  | 429  | 453  | 472  | 440  | 473  | 500  | 521  | 440   | 473  | 500  | 521  |  |  |       |  |  |  |  |  |
|      | LO PR   | 108                         | 115  | 125  | 134  | 114  | 121  | 132  | 141  | 119  | 126  | 138  | 147  | 125  | 132  | 145  | 154  | 131  | 139  | 152  | 161  | 135  | 144  | 157  | 167  | 135   | 144  | 157  | 167  |  |  |       |  |  |  |  |  |
|      | MBh     | 46.4                        | 47.5 | 50.7 | 54.2 | 45.4 | 46.3 | 49.5 | 52.9 | 44.3 | 45.2 | 48.3 | 51.7 | 43.2 | 44.1 | 47.2 | 50.4 | 41.0 | 41.9 | 44.8 | 47.9 | 38.0 | 38.8 | 41.5 | 44.4 | 38.0  | 38.8 | 41.5 | 44.4 |  |  |       |  |  |  |  |  |
| 1286 | S/T     | 0.86                        | 0.80 | 0.65 | 0.49 | 0.89 | 0.83 | 0.68 | 0.51 | 0.91 | 0.85 | 0.70 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.98 | 0.92 | 0.74 | 0.56 | 0.98 | 0.92 | 0.75 | 0.56 | 0.98  | 0.92 | 0.75 | 0.56 |  |  |       |  |  |  |  |  |
|      | Δ T     | 28                          | 27   | 24   | 19   | 29   | 28   | 24   | 19   | 29   | 28   | 24   | 19   | 29   | 28   | 24   | 19   | 29   | 27   | 24   | 19   | 27   | 26   | 22   | 18   | 27    | 26   | 22   | 18   |  |  |       |  |  |  |  |  |
|      | kW      | 3.07                        | 3.14 | 3.24 | 3.34 | 3.31 | 3.38 | 3.49 | 3.60 | 3.52 | 3.59 | 3.71 | 3.83 | 3.70 | 3.78 | 3.91 | 4.04 | 3.86 | 3.94 | 4.08 | 4.21 | 3.99 | 4.08 | 4.22 | 4.36 | 3.99  | 4.08 | 4.22 | 4.36 |  |  |       |  |  |  |  |  |
|      | Amps    | 14.5                        | 14.7 | 15.1 | 15.6 | 15.4 | 15.7 | 16.2 | 16.7 | 16.6 | 16.9 | 17.4 | 18.0 | 17.5 | 17.9 | 18.4 | 19.0 | 18.5 | 18.9 | 19.5 | 20.1 | 19.5 | 19.9 | 20.5 | 21.2 | 19.5  | 19.9 | 20.5 | 21.2 |  |  |       |  |  |  |  |  |
|      | HI PR   | 241                         | 259  | 274  | 286  | 271  | 291  | 307  | 321  | 308  | 331  | 350  | 365  | 350  | 377  | 398  | 415  | 394  | 424  | 448  | 467  | 436  | 469  | 495  | 516  | 436   | 469  | 495  | 516  |  |  |       |  |  |  |  |  |
|      | LO PR   | 107                         | 114  | 124  | 132  | 113  | 120  | 131  | 140  | 117  | 125  | 136  | 145  | 123  | 131  | 143  | 153  | 129  | 137  | 150  | 160  | 134  | 142  | 155  | 165  | 134   | 142  | 155  | 165  |  |  |       |  |  |  |  |  |
|      | MBh     | 42.9                        | 43.8 | 46.8 | 50.0 | 41.9 | 42.8 | 45.7 | 48.9 | 40.9 | 41.8 | 44.6 | 47.7 | 39.9 | 40.7 | 43.5 | 46.5 | 37.9 | 38.7 | 41.4 | 44.2 | 35.1 | 35.9 | 38.3 | 40.9 | 35.1  | 35.9 | 38.3 | 40.9 |  |  |       |  |  |  |  |  |
|      | S/T     | 0.83                        | 0.78 | 0.63 | 0.47 | 0.86 | 0.80 | 0.65 | 0.49 | 0.88 | 0.82 | 0.67 | 0.50 | 0.91 | 0.85 | 0.69 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.95 | 0.89 | 0.72 | 0.54 | 0.95  | 0.89 | 0.72 | 0.54 |  |  |       |  |  |  |  |  |
| 1128 | Δ T     | 29                          | 28   | 24   | 19   | 29   | 28   | 24   | 19   | 29   | 28   | 24   | 19   | 29   | 28   | 25   | 20   | 29   | 28   | 24   | 19   | 27   | 26   | 23   | 18   | 27    | 26   | 23   | 18   |  |  |       |  |  |  |  |  |
|      | kW      | 3.00                        | 3.06 | 3.16 | 3.26 | 3.23 | 3.30 | 3.40 | 3.51 | 3.43 | 3.51 | 3.62 | 3.74 | 3.61 | 3.69 | 3.81 | 3.94 | 3.76 | 3.85 | 3.97 | 4.11 | 3.89 | 3.98 | 4.11 | 4.25 | 3.89  | 3.98 | 4.11 | 4.25 |  |  |       |  |  |  |  |  |
|      | Amps    | 14.1                        | 14.4 | 14.8 | 15.3 | 15.1 | 15.4 | 15.8 | 16.3 | 16.2 | 16.5 | 17.0 | 17.5 | 17.1 | 17.5 | 18.0 | 18.6 | 18.1 | 18.5 | 19.0 | 19.6 | 19.0 | 19.4 | 20.0 | 20.7 | 19.0  | 19.4 | 20.0 | 20.7 |  |  |       |  |  |  |  |  |
|      | HI PR   | 234                         | 252  | 266  | 277  | 262  | 282  | 298  | 311  | 298  | 321  | 339  | 354  | 340  | 366  | 386  | 403  | 382  | 412  | 435  | 453  | 423  | 455  | 480  | 501  | 423   | 455  | 480  | 501  |  |  |       |  |  |  |  |  |
|      | LO PR   | 104                         | 110  | 120  | 128  | 110  | 117  | 127  | 136  | 114  | 121  | 132  | 141  | 120  | 127  | 139  | 148  | 125  | 133  | 146  | 155  | 130  | 138  | 151  | 160  | 130   | 138  | 151  | 160  |  |  |       |  |  |  |  |  |

|      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1443 | MBh   | 48.7 | 49.6 | 52.0 | 55.4 | 47.5 | 48.5 | 50.7 | 54.1 | 46.4 | 47.3 | 49.5 | 52.9 | 45.3 | 46.1 | 48.3 | 51.6 | 43.0 | 43.8 | 45.9 | 49.0 | 39.8 | 40.6 | 42.5 | 45.4 |
|      | S/T   | 0.94 | 0.91 | 0.82 | 0.67 | 0.98 | 0.94 | 0.85 | 0.69 | 1.00 | 0.97 | 0.87 | 0.71 | 1.00 | 1.00 | 0.90 | 0.73 | 1.00 | 1.00 | 0.93 | 0.76 | 1.00 | 1.00 | 0.94 | 0.76 |
|      | Δ T   | 29   | 29   | 27   | 23   | 30   | 29   | 27   | 24   | 30   | 29   | 28   | 24   | 29   | 29   | 28   | 24   | 27   | 28   | 27   | 24   | 25   | 26   | 22   | 22   |
|      | kW    | 3.12 | 3.19 | 3.29 | 3.39 | 3.36 | 3.43 | 3.55 | 3.66 | 3.58 | 3.65 | 3.77 | 3.90 | 3.76 | 3.85 | 3.97 | 4.11 | 3.92 | 4.01 | 4.15 | 4.29 | 4.06 | 4.15 | 4.29 | 4.44 |
|      | Amps  | 14.7 | 15.0 | 15.4 | 15.9 | 15.7 | 16.0 | 16.4 | 17.0 | 16.8 | 17.2 | 17.7 | 18.2 | 17.8 | 18.2 | 18.7 | 19.3 | 18.8 | 19.2 | 19.8 | 20.5 | 19.8 | 20.2 | 20.8 | 21.5 |
|      | HI PR | 246  | 265  | 280  | 292  | 276  | 297  | 314  | 327  | 314  | 338  | 357  | 372  | 358  | 385  | 406  | 424  | 402  | 433  | 457  | 477  | 444  | 478  | 505  | 527  |
|      | LO PR | 109  | 116  | 127  | 135  | 115  | 123  | 134  | 143  | 120  | 127  | 139  | 148  | 126  | 134  | 146  | 156  | 132  | 140  | 153  | 163  | 136  | 145  | 158  | 169  |
| 1286 | MBh   | 47.2 | 48.2 | 50.4 | 53.8 | 46.2 | 47.0 | 49.3 | 52.6 | 45.1 | 45.9 | 48.1 | 51.3 | 44.0 | 44.8 | 46.9 | 50.1 | 41.8 | 42.6 | 44.6 | 47.6 | 38.7 | 39.4 | 41.3 | 44.1 |
|      | S/T   | 0.90 | 0.87 | 0.78 | 0.63 | 0.93 | 0.90 | 0.81 | 0.66 | 0.95 | 0.92 | 0.83 | 0.67 | 0.99 | 0.95 | 0.86 | 0.70 | 1.00 | 0.99 | 0.89 | 0.72 | 1.00 | 1.00 | 0.90 | 0.73 |
|      | Δ T   | 30   | 30   | 28   | 24   | 31   | 30   | 29   | 25   | 31   | 30   | 29   | 25   | 31   | 30   | 29   | 25   | 30   | 30   | 28   | 25   | 28   | 28   | 27   | 23   |
|      | kW    | 3.10 | 3.16 | 3.26 | 3.37 | 3.33 | 3.41 | 3.52 | 3.63 | 3.55 | 3.62 | 3.74 | 3.87 | 3.73 | 3.82 | 3.94 | 4.07 | 3.89 | 3.98 | 4.11 | 4.25 | 4.03 | 4.12 | 4.26 | 4.40 |
|      | Amps  | 14.6 | 14.9 | 15.3 | 15.7 | 15.6 | 15.9 | 16.3 | 16.8 | 16.7 | 17.0 | 17.5 | 18.1 | 17.7 | 18.1 | 18.6 | 19.2 | 18.7 | 19.1 | 19.6 | 20.3 | 19.6 | 20.1 | 20.7 | 21.4 |
|      | HI PR | 244  | 262  | 277  | 289  | 273  | 294  | 311  | 324  | 311  | 334  | 353  | 368  | 354  | 381  | 402  | 420  | 398  | 429  | 453  | 472  | 440  | 473  | 500  | 521  |
|      | LO PR | 108  | 115  | 125  | 134  | 114  | 121  | 132  | 141  | 119  | 126  | 138  | 147  | 125  | 132  | 145  | 154  | 131  | 139  | 152  | 161  | 135  | 144  | 157  | 167  |
| 1128 | MBh   | 43.6 | 44.5 | 46.6 | 49.7 | 42.6 | 43.4 | 45.5 | 48.5 | 41.6 | 42.4 | 44.4 | 47.4 | 40.6 | 41.4 | 43.3 | 46.2 | 38.5 | 39.3 | 41.1 | 43.9 | 35.7 | 36.4 | 38.1 | 40.7 |
|      | S/T   | 0.87 | 0.84 | 0.75 | 0.61 | 0.90 | 0.87 | 0.78 | 0.63 | 0.92 | 0.89 | 0.80 | 0.65 | 0.95 | 0.92 | 0.83 | 0.67 | 0.99 | 0.95 | 0.86 | 0.70 | 0.99 | 0.96 | 0.87 | 0.70 |
|      | Δ T   | 31   | 30   | 29   | 25   | 31   | 31   | 29   | 25   | 31   | 31   | 29   | 25   | 31   | 31   | 29   | 25   | 31   | 30   | 29   | 25   | 29   | 28   | 27   | 23   |
|      | kW    | 3.02 | 3.09 | 3.18 | 3.28 | 3.25 | 3.32 | 3.43 | 3.54 | 3.46 | 3.53 | 3.65 | 3.77 | 3.64 | 3.72 | 3.84 | 3.97 | 3.79 | 3.88 | 4.01 | 4.14 | 3.93 | 4.01 | 4.15 | 4.29 |
|      | Amps  | 14.2 | 14.5 | 14.9 | 15.4 | 15.2 | 15.5 | 15.9 | 16.4 | 16.3 | 16.6 | 17.1 | 17.7 | 17.3 | 17.6 | 18.1 | 18.7 | 18.2 | 18.6 | 19.1 | 19.8 | 19.2 | 19.6 | 20.2 | 20.8 |
|      | HI PR | 236  | 254  | 268  | 280  | 265  | 285  | 301  | 314  | 301  | 324  | 343  | 357  | 343  | 369  | 390  | 407  | 386  | 416  | 439  | 458  | 427  | 459  | 485  | 506  |
|      | LO PR | 105  | 111  | 122  | 130  | 111  | 118  | 129  | 137  | 115  | 122  | 134  | 142  | 121  | 129  | 140  | 149  | 127  | 135  | 147  | 157  | 131  | 139  | 152  | 162  |

|             |         | OUTDOOR AMBIENT TEMPERATURE |      |      |    |      |      |      |    |      |      |      |    |      |      |      |    |       |      |      |    |       |      |      |    |
|-------------|---------|-----------------------------|------|------|----|------|------|------|----|------|------|------|----|------|------|------|----|-------|------|------|----|-------|------|------|----|
|             |         | 65°F                        |      |      |    | 75°F |      |      |    | 85°F |      |      |    | 95°F |      |      |    | 105°F |      |      |    | 115°F |      |      |    |
| IDB         | AIRFLOW | 59                          | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59   | 63   | 67   | 71 | 59    | 63   | 67   | 71 | 59    | 63   | 67   | 71 |
| <b>70</b>   | MBh     | 58.1                        | 60.2 | 66.0 | -  | 56.8 | 58.8 | 64.5 | -  | 55.4 | 57.4 | 62.9 | -  | 54.1 | 56.0 | 61.4 | -  | 51.4  | 53.2 | 58.3 | -  | 47.6  | 49.3 | 54.0 | -  |
|             | S/T     | 0.78                        | 0.65 | 0.45 | -  | 0.80 | 0.67 | 0.47 | -  | 0.83 | 0.69 | 0.48 | -  | 0.85 | 0.71 | 0.49 | -  | 0.88  | 0.74 | 0.51 | -  | 0.89  | 0.74 | 0.52 | -  |
|             | Δ T     | 19                          | 16   | 12   | -  | 19   | 16   | 12   | -  | 19   | 16   | 12   | -  | 19   | 16   | 13   | -  | 19    | 16   | 12   | -  | 18    | 15   | 12   | -  |
|             | kW      | 3.87                        | 3.95 | 4.07 | -  | 4.15 | 4.24 | 4.36 | -  | 4.40 | 4.49 | 4.63 | -  | 4.62 | 4.71 | 4.86 | -  | 4.80  | 4.90 | 5.06 | -  | 4.96  | 5.07 | 5.23 | -  |
|             | Amps    | 18.0                        | 18.3 | 18.8 | -  | 19.1 | 19.5 | 20.0 | -  | 20.5 | 20.9 | 21.4 | -  | 21.6 | 22.0 | 22.6 | -  | 22.7  | 23.2 | 23.8 | -  | 23.9  | 24.4 | 25.0 | -  |
| <b>1980</b> | MBh     | 56.4                        | 58.5 | 64.1 | -  | 55.1 | 57.1 | 62.6 | -  | 53.8 | 55.8 | 61.1 | -  | 52.5 | 54.4 | 59.6 | -  | 49.9  | 51.7 | 56.6 | -  | 46.2  | 47.9 | 52.4 | -  |
|             | S/T     | 0.74                        | 0.62 | 0.43 | -  | 0.77 | 0.64 | 0.44 | -  | 0.79 | 0.66 | 0.46 | -  | 0.81 | 0.68 | 0.47 | -  | 0.84  | 0.70 | 0.49 | -  | 0.85  | 0.71 | 0.49 | -  |
|             | Δ T     | 19                          | 17   | 13   | -  | 20   | 17   | 13   | -  | 20   | 17   | 13   | -  | 20   | 17   | 13   | -  | 20    | 17   | 13   | -  | 18    | 16   | 12   | -  |
|             | kW      | 3.84                        | 3.92 | 4.04 | -  | 4.12 | 4.20 | 4.33 | -  | 4.36 | 4.46 | 4.59 | -  | 4.58 | 4.68 | 4.82 | -  | 4.77  | 4.87 | 5.02 | -  | 4.92  | 5.03 | 5.19 | -  |
|             | Amps    | 17.9                        | 18.2 | 18.7 | -  | 19.0 | 19.4 | 19.9 | -  | 20.3 | 20.7 | 21.3 | -  | 21.4 | 21.9 | 22.5 | -  | 22.6  | 23.0 | 23.7 | -  | 23.7  | 24.2 | 24.8 | -  |
| <b>1752</b> | MBh     | 53.6                        | 55.6 | 60.9 | -  | 52.4 | 54.3 | 59.5 | -  | 51.1 | 53.0 | 58.0 | -  | 49.9 | 51.7 | 56.6 | -  | 47.4  | 49.1 | 53.8 | -  | 43.9  | 45.5 | 49.8 | -  |
|             | S/T     | 0.71                        | 0.59 | 0.41 | -  | 0.74 | 0.61 | 0.43 | -  | 0.75 | 0.63 | 0.44 | -  | 0.78 | 0.65 | 0.45 | -  | 0.81  | 0.67 | 0.47 | -  | 0.81  | 0.68 | 0.47 | -  |
|             | Δ T     | 20                          | 17   | 13   | -  | 20   | 17   | 13   | -  | 20   | 18   | 13   | -  | 20   | 18   | 13   | -  | 20    | 17   | 13   | -  | 19    | 16   | 12   | -  |
|             | kW      | 3.79                        | 3.86 | 3.97 | -  | 4.06 | 4.14 | 4.26 | -  | 4.30 | 4.39 | 4.52 | -  | 4.51 | 4.60 | 4.75 | -  | 4.69  | 4.79 | 4.94 | -  | 4.84  | 4.95 | 5.10 | -  |
|             | Amps    | 17.6                        | 17.9 | 18.4 | -  | 18.7 | 19.1 | 19.6 | -  | 20.0 | 20.4 | 20.9 | -  | 21.1 | 21.5 | 22.1 | -  | 22.2  | 22.7 | 23.3 | -  | 23.3  | 23.8 | 24.5 | -  |
| <b>1752</b> | MBh     | 109                         | 116  | 126  | -  | 115  | 122  | 133  | -  | 119  | 127  | 139  | -  | 125  | 133  | 146  | -  | 131   | 140  | 152  | -  | 136   | 144  | 158  | -  |

|      |  |  | 2221 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|--|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |  |  | MBh  | 59.1 | 60.8 | 65.9 | 70.7 | 57.7 | 59.4 | 64.3 | 69.0 | 56.3 | 58.0 | 62.8 | 67.4 | 55.0 | 56.6 | 61.3 | 65.8 | 52.2 | 53.8 | 58.2 | 62.5 | 48.4 | 49.8 | 53.9 | 57.9 |
|      |  |  | S/T  | 0.88 | 0.79 | 0.60 | 0.38 | 0.91 | 0.82 | 0.62 | 0.40 | 0.94 | 0.84 | 0.63 | 0.41 | 0.97 | 0.87 | 0.66 | 0.42 | 1.00 | 0.90 | 0.68 | 0.44 | 1.00 | 0.91 | 0.69 | 0.44 |
|      |  |  | Δ T  | 22   | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 22   | 20   | 17   | 11   | 22   | 20   | 17   | 11   | 22   | 20   | 16   | 11   | 20   | 19   | 15   | 11   |
|      |  |  | kW   | 3.90 | 3.98 | 4.10 | 4.22 | 4.18 | 4.27 | 4.40 | 4.54 | 4.43 | 4.53 | 4.67 | 4.81 | 4.65 | 4.75 | 4.90 | 5.06 | 4.84 | 4.95 | 5.10 | 5.27 | 5.00 | 5.11 | 5.27 | 5.45 |
| 75   |  |  | 1980 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|      |  |  | MBh  | 57.4 | 59.1 | 63.9 | 68.6 | 56.0 | 57.7 | 62.5 | 67.0 | 54.7 | 56.3 | 61.0 | 65.4 | 53.4 | 55.0 | 59.5 | 63.8 | 50.7 | 52.2 | 56.5 | 60.6 | 47.0 | 48.4 | 52.3 | 56.2 |
|      |  |  | S/T  | 0.84 | 0.75 | 0.57 | 0.37 | 0.87 | 0.78 | 0.59 | 0.38 | 0.89 | 0.80 | 0.61 | 0.39 | 0.92 | 0.83 | 0.63 | 0.40 | 0.96 | 0.86 | 0.65 | 0.42 | 0.97 | 0.86 | 0.65 | 0.42 |
|      |  |  | Δ T  | 22   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 21   | 19   | 16   | 11   |
|      |  |  | kW   | 3.87 | 3.95 | 4.07 | 4.19 | 4.15 | 4.24 | 4.37 | 4.50 | 4.40 | 4.49 | 4.63 | 4.78 | 4.62 | 4.72 | 4.86 | 5.02 | 4.80 | 4.91 | 5.06 | 5.22 | 4.96 | 5.07 | 5.23 | 5.40 |
| 1752 |  |  | 1752 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|      |  |  | MBh  | 54.5 | 56.1 | 60.7 | 65.2 | 53.2 | 54.8 | 59.3 | 63.7 | 52.0 | 53.5 | 57.9 | 62.2 | 50.7 | 52.2 | 56.5 | 60.6 | 48.2 | 49.6 | 53.7 | 57.6 | 44.6 | 45.9 | 49.7 | 53.4 |
|      |  |  | S/T  | 0.81 | 0.72 | 0.55 | 0.35 | 0.84 | 0.75 | 0.57 | 0.36 | 0.86 | 0.77 | 0.58 | 0.37 | 0.88 | 0.79 | 0.60 | 0.39 | 0.92 | 0.82 | 0.62 | 0.40 | 0.93 | 0.83 | 0.63 | 0.40 |
|      |  |  | Δ T  | 23   | 21   | 17   | 12   | 23   | 22   | 18   | 12   | 23   | 22   | 18   | 12   | 24   | 22   | 18   | 12   | 23   | 21   | 18   | 12   | 22   | 20   | 16   | 11   |
|      |  |  | kW   | 3.81 | 3.89 | 4.00 | 4.13 | 4.09 | 4.17 | 4.30 | 4.43 | 4.33 | 4.42 | 4.56 | 4.70 | 4.55 | 4.64 | 4.79 | 4.94 | 4.73 | 4.83 | 4.98 | 5.14 | 4.88 | 4.99 | 5.15 | 5.31 |
|      |  |  | 1752 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|      |  |  | MBh  | 17.7 | 18.1 | 18.5 | 19.1 | 18.9 | 19.2 | 19.7 | 20.3 | 20.2 | 20.6 | 21.1 | 21.8 | 21.3 | 21.7 | 22.3 | 23.0 | 22.4 | 22.8 | 23.5 | 24.2 | 23.5 | 24.0 | 24.7 | 25.4 |
|      |  |  | Amps | 191  | 205  | 217  | 226  | 214  | 230  | 243  | 253  | 243  | 262  | 276  | 288  | 277  | 298  | 315  | 328  | 312  | 335  | 354  | 369  | 344  | 371  | 391  | 408  |
|      |  |  | HiPR | 191  | 205  | 217  | 226  | 214  | 230  | 243  | 253  | 243  | 262  | 276  | 288  | 277  | 298  | 315  | 328  | 312  | 335  | 354  | 369  | 344  | 371  | 391  | 408  |
|      |  |  | LOPR | 110  | 117  | 127  | 136  | 116  | 123  | 135  | 143  | 120  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133  | 141  | 154  | 164  | 137  | 146  | 159  | 170  |

|                                                                                                                                                                        |         | OUTDOOR AMBIENT TEMPERATURE                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |    |    |  |  |       |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|----|----|----|--|--|-------|--|--|--|--|--|
|                                                                                                                                                                        |         | 65°F                                       |      |      |      |      |      | 75°F |      |      |      |      |      | 85°F |      |      |      |      |      | 95°F |      |      |      |      |      | 105°F |    |    |    |  |  | 115°F |  |  |  |  |  |
|                                                                                                                                                                        |         | ENTERING INDOOR WET BULB TEMPERATURE       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |    |    |  |  |       |  |  |  |  |  |
| IDB                                                                                                                                                                    | AIRFLOW | 59                                         | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59    | 63 | 67 | 71 |  |  |       |  |  |  |  |  |
| 80                                                                                                                                                                     | MBh     | 60.1                                       | 61.5 | 65.7 | 70.2 | 58.7 | 60.0 | 64.1 | 68.6 | 57.4 | 58.6 | 62.6 | 66.9 | 56.0 | 57.2 | 61.1 | 65.3 | 53.2 | 54.3 | 58.0 | 62.0 | 49.2 | 50.3 | 53.8 | 57.5 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | S/T     | 0.97                                       | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 0.96 | 0.79 | 0.59 | 1.00 | 1.00 | 0.81 | 0.61 | 1.00 | 1.00 | 0.84 | 0.63 | 1.00 | 1.00 | 0.85 | 0.63 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Δ T     | 24                                         | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 23   | 24   | 20   | 16   | 22   | 22   | 20   | 16   | 20   | 21   | 19   | 15   |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | kW      | 3.93                                       | 4.01 | 4.13 | 4.25 | 4.22 | 4.30 | 4.43 | 4.57 | 4.47 | 4.56 | 4.70 | 4.85 | 4.69 | 4.79 | 4.94 | 5.10 | 4.88 | 4.99 | 5.14 | 5.31 | 5.04 | 5.15 | 5.32 | 5.49 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Amps    | 18.3                                       | 18.6 | 19.1 | 19.6 | 19.4 | 19.8 | 20.3 | 20.9 | 20.8 | 21.2 | 21.8 | 22.4 | 21.9 | 22.4 | 23.0 | 23.7 | 23.1 | 23.6 | 24.2 | 25.0 | 24.2 | 24.7 | 25.4 | 26.3 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Hi PR   | 198                                        | 214  | 225  | 235  | 223  | 240  | 253  | 264  | 253  | 272  | 288  | 300  | 288  | 310  | 328  | 342  | 324  | 349  | 369  | 385  | 358  | 386  | 407  | 425  |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | LO PR   | 114                                        | 122  | 133  | 141  | 121  | 128  | 140  | 149  | 125  | 133  | 146  | 155  | 132  | 140  | 153  | 163  | 138  | 147  | 160  | 171  | 143  | 152  | 166  | 177  |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | MBh     | 58.4                                       | 59.7 | 63.8 | 68.2 | 57.0 | 58.3 | 62.3 | 66.6 | 55.7 | 56.9 | 60.8 | 65.0 | 54.3 | 55.5 | 59.3 | 63.4 | 51.6 | 52.7 | 56.3 | 60.2 | 47.8 | 48.8 | 52.2 | 55.8 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | S/T     | 0.92                                       | 0.87 | 0.70 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 0.98 | 0.92 | 0.75 | 0.56 | 1.00 | 0.95 | 0.77 | 0.58 | 1.00 | 0.99 | 0.80 | 0.60 | 1.00 | 0.99 | 0.81 | 0.60 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Δ T     | 25                                         | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 24   | 24   | 21   | 17   | 22   | 23   | 20   | 16   |       |    |    |    |  |  |       |  |  |  |  |  |
| 1980                                                                                                                                                                   | kW      | 3.90                                       | 3.98 | 4.10 | 4.22 | 4.18 | 4.27 | 4.40 | 4.54 | 4.43 | 4.53 | 4.67 | 4.81 | 4.65 | 4.75 | 4.90 | 5.06 | 4.84 | 4.95 | 5.10 | 5.27 | 5.00 | 5.11 | 5.27 | 5.45 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Amps    | 18.1                                       | 18.5 | 18.9 | 19.5 | 19.3 | 19.7 | 20.2 | 20.8 | 20.6 | 21.0 | 21.6 | 22.3 | 21.8 | 22.2 | 22.8 | 23.5 | 22.9 | 23.4 | 24.0 | 24.8 | 24.1 | 24.5 | 25.2 | 26.1 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Hi PR   | 196                                        | 211  | 223  | 233  | 220  | 237  | 250  | 261  | 251  | 270  | 285  | 297  | 286  | 307  | 324  | 338  | 321  | 346  | 365  | 381  | 355  | 382  | 403  | 421  |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | LO PR   | 113                                        | 120  | 131  | 140  | 119  | 127  | 139  | 148  | 124  | 132  | 144  | 154  | 130  | 139  | 152  | 161  | 137  | 145  | 159  | 169  | 141  | 150  | 164  | 175  |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | MBh     | 55.5                                       | 56.7 | 60.6 | 64.7 | 54.2 | 55.4 | 59.2 | 63.2 | 52.9 | 54.1 | 57.7 | 61.7 | 51.6 | 52.7 | 56.3 | 60.2 | 49.0 | 50.1 | 53.5 | 57.2 | 45.4 | 46.4 | 49.6 | 53.0 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | S/T     | 0.88                                       | 0.83 | 0.68 | 0.50 | 0.92 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.55 | 1.01 | 0.94 | 0.77 | 0.57 | 1.02 | 0.95 | 0.78 | 0.58 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Δ T     | 26                                         | 25   | 21   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 26   | 25   | 22   | 17   | 24   | 23   | 20   | 16   |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | kW      | 3.84                                       | 3.92 | 4.04 | 4.16 | 4.12 | 4.20 | 4.33 | 4.47 | 4.36 | 4.46 | 4.59 | 4.74 | 4.58 | 4.68 | 4.82 | 4.98 | 4.77 | 4.87 | 5.02 | 5.18 | 4.92 | 5.03 | 5.19 | 5.36 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Amps    | 17.9                                       | 18.2 | 18.7 | 19.2 | 19.0 | 19.4 | 19.9 | 20.5 | 20.3 | 20.7 | 21.3 | 21.9 | 21.4 | 21.9 | 22.5 | 23.2 | 22.6 | 23.0 | 23.7 | 24.4 | 23.7 | 24.2 | 24.8 | 25.6 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Hi PR   | 193                                        | 207  | 219  | 228  | 216  | 232  | 245  | 256  | 246  | 264  | 279  | 291  | 280  | 301  | 318  | 332  | 315  | 339  | 358  | 373  | 348  | 374  | 395  | 412  |       |    |    |    |  |  |       |  |  |  |  |  |
| LO PR                                                                                                                                                                  | 111     | 118                                        | 129  | 137  | 117  | 125  | 136  | 145  | 122  | 129  | 141  | 151  | 128  | 136  | 148  | 158  | 134  | 143  | 156  | 166  | 139  | 147  | 161  | 171  |      |       |    |    |    |  |  |       |  |  |  |  |  |
| 2221                                                                                                                                                                   | MBh     | 61.2                                       | 62.4 | 65.3 | 69.7 | 59.8 | 60.9 | 63.8 | 68.1 | 58.4 | 59.5 | 62.3 | 66.5 | 56.9 | 58.0 | 60.8 | 64.8 | 54.1 | 55.1 | 57.7 | 61.6 | 50.1 | 51.1 | 53.5 | 57.1 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | S/T     | 1.00                                       | 0.98 | 0.88 | 0.72 | 1.00 | 1.00 | 0.92 | 0.74 | 1.00 | 1.00 | 0.94 | 0.76 | 1.00 | 1.00 | 0.97 | 0.79 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 0.82 | 0.82 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Δ T     | 25                                         | 25   | 24   | 21   | 25   | 25   | 24   | 21   | 24   | 25   | 24   | 21   | 24   | 24   | 24   | 21   | 22   | 23   | 24   | 21   | 21   | 21   | 22   | 19   |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | kW      | 3.96                                       | 4.04 | 4.16 | 4.29 | 4.25 | 4.34 | 4.47 | 4.61 | 4.50 | 4.60 | 4.74 | 4.89 | 4.73 | 4.83 | 4.98 | 5.14 | 4.92 | 5.03 | 5.19 | 5.35 | 5.09 | 5.19 | 5.36 | 5.54 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Amps    | 18.4                                       | 18.7 | 19.2 | 19.8 | 19.6 | 19.9 | 20.5 | 21.1 | 20.9 | 21.3 | 21.9 | 22.6 | 22.1 | 22.5 | 23.2 | 23.9 | 23.3 | 23.7 | 24.4 | 25.2 | 24.4 | 24.9 | 25.6 | 26.5 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Hi PR   | 200                                        | 216  | 228  | 237  | 225  | 242  | 256  | 266  | 256  | 275  | 291  | 303  | 291  | 313  | 331  | 345  | 328  | 353  | 372  | 388  | 362  | 390  | 411  | 429  |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | LO PR   | 115                                        | 123  | 134  | 143  | 122  | 130  | 142  | 151  | 127  | 135  | 147  | 157  | 133  | 142  | 155  | 165  | 139  | 148  | 162  | 172  | 144  | 153  | 168  | 178  |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | MBh     | 59.4                                       | 60.6 | 63.4 | 67.7 | 58.0 | 59.2 | 62.0 | 66.1 | 56.7 | 57.7 | 60.5 | 64.5 | 55.3 | 56.3 | 59.0 | 63.0 | 52.5 | 53.5 | 56.1 | 59.8 | 48.6 | 49.6 | 51.9 | 55.4 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | S/T     | 0.97                                       | 0.93 | 0.84 | 0.68 | 1.00 | 0.97 | 0.87 | 0.71 | 1.00 | 0.99 | 0.90 | 0.73 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 0.97 | 0.79 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Δ T     | 27                                         | 26   | 25   | 21   | 27   | 27   | 25   | 22   | 26   | 27   | 25   | 22   | 26   | 26   | 25   | 22   | 24   | 25   | 25   | 22   | 23   | 23   | 23   | 20   |       |    |    |    |  |  |       |  |  |  |  |  |
| 1980                                                                                                                                                                   | kW      | 3.93                                       | 4.01 | 4.13 | 4.25 | 4.22 | 4.30 | 4.43 | 4.57 | 4.47 | 4.56 | 4.70 | 4.85 | 4.69 | 4.79 | 4.94 | 5.10 | 4.88 | 4.99 | 5.14 | 5.31 | 5.04 | 5.15 | 5.32 | 5.49 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Amps    | 18.3                                       | 18.6 | 19.1 | 19.6 | 19.4 | 19.8 | 20.3 | 20.9 | 20.8 | 21.2 | 21.8 | 22.4 | 21.9 | 22.4 | 23.0 | 23.7 | 23.1 | 23.6 | 24.2 | 25.0 | 24.2 | 24.7 | 25.4 | 26.3 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Hi PR   | 198                                        | 214  | 225  | 235  | 223  | 240  | 253  | 264  | 253  | 272  | 288  | 300  | 288  | 310  | 328  | 342  | 324  | 349  | 369  | 385  | 358  | 386  | 407  | 425  |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | LO PR   | 114                                        | 122  | 133  | 141  | 121  | 128  | 140  | 149  | 125  | 133  | 146  | 155  | 132  | 140  | 153  | 163  | 138  | 147  | 160  | 171  | 143  | 152  | 166  | 177  |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | MBh     | 56.4                                       | 57.5 | 60.3 | 64.3 | 55.1 | 56.2 | 58.9 | 62.8 | 53.8 | 54.9 | 57.5 | 61.3 | 52.5 | 53.5 | 56.1 | 59.8 | 49.9 | 50.8 | 53.3 | 56.8 | 46.2 | 47.1 | 49.3 | 52.6 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | S/T     | 0.93                                       | 0.89 | 0.81 | 0.66 | 0.96 | 0.93 | 0.84 | 0.68 | 0.99 | 0.95 | 0.86 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.93 | 0.75 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Δ T     | 27                                         | 27   | 26   | 22   | 28   | 27   | 26   | 22   | 28   | 27   | 26   | 22   | 28   | 28   | 26   | 23   | 26   | 27   | 26   | 22   | 24   | 25   | 24   | 21   |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | kW      | 3.87                                       | 3.95 | 4.07 | 4.19 | 4.15 | 4.24 | 4.36 | 4.50 | 4.40 | 4.49 | 4.63 | 4.77 | 4.62 | 4.71 | 4.86 | 5.02 | 4.80 | 4.90 | 5.06 | 5.22 | 4.96 | 5.07 | 5.23 | 5.40 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Amps    | 18.0                                       | 18.3 | 18.8 | 19.4 | 19.1 | 19.5 | 20.0 | 20.6 | 20.5 | 20.9 | 21.4 | 22.1 | 21.6 | 22.0 | 22.6 | 23.3 | 22.7 | 23.2 | 23.8 | 24.6 | 23.9 | 24.4 | 25.0 | 25.9 |       |    |    |    |  |  |       |  |  |  |  |  |
|                                                                                                                                                                        | Hi PR   | 194                                        | 209  | 221  | 230  | 218  | 235  | 248  | 259  | 248  | 267  | 282  | 294  | 283  | 304  | 321  | 335  | 318  | 342  | 361  | 377  | 351  | 378  | 399  | 416  |       |    |    |    |  |  |       |  |  |  |  |  |
| LO PR                                                                                                                                                                  | 112     | 119                                        | 130  | 138  | 118  | 126  | 137  | 146  | 123  | 131  | 143  | 152  | 129  | 137  | 150  | 160  | 135  | 144  | 157  | 167  | 140  | 149  | 163  | 173  |      |       |    |    |    |  |  |       |  |  |  |  |  |
| IDB: Entering Indoor Dry Bulb Temperature                                                                                                                              |         | Shaded area reflects AHRI (TVA) conditions |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |    |    |  |  |       |  |  |  |  |  |
| High and low pressures are measured at the liquid and suction service valves.                                                                                          |         | kW = Total system power                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |    |    |  |  |       |  |  |  |  |  |
| Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection. |         | Amps = outdoor unit amps (comp.+fan)       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |    |    |  |  |       |  |  |  |  |  |

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Design Subcooling, 5-7 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

Shaded area reflects AHR1 (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

GPG1624060M41\*\* - Rise Range: 35° - 65°

| E.S.P. | T1 LOW-STAGE HEATING SPEED |       |      | T2 HIGH-STAGE HEATING SPEED |       |      | T3 LOW-STAGE COOLING SPEED |       | T4 HIGH-STAGE COOLING SPEED |       | T5 COOLING SPEED |       |
|--------|----------------------------|-------|------|-----------------------------|-------|------|----------------------------|-------|-----------------------------|-------|------------------|-------|
|        | CFM                        | WATTS | RISE | CFM                         | WATTS | RISE | CFM                        | WATTS | CFM                         | WATTS | CFM              | WATTS |
| 0.1    | 625                        | 53    | 54   | 855                         | 107   | 53   | 625                        | 51    | 850                         | 104   | 1,090            | 197   |
| 0.2    | 585                        | 61    | 58   | 815                         | 114   | 55   | 590                        | 60    | 810                         | 116   | 1,055            | 201   |
| 0.3    | 550                        | 70    | 61   | 785                         | 125   | 57   | 555                        | 68    | 775                         | 122   | 1,020            | 207   |
| 0.4    | 495                        | 78    | X    | 750                         | 135   | 60   | 505                        | 79    | 735                         | 129   | 995              | 212   |
| 0.5    | 445                        | 85    | X    | 705                         | 141   | 64   | 450                        | 86    | 705                         | 136   | 955              | 230   |
| 0.6    | 400                        | 93    | X    | 660                         | 149   | X    | 410                        | 93    | 655                         | 147   | 915              | 240   |
| 0.7    | 345                        | 99    | X    | 615                         | 157   | X    | 330                        | 101   | 600                         | 154   | 880              | 255   |
| 0.8    | ----                       | ----  | ---- | 570                         | 166   | X    | ----                       | ----  | 565                         | 160   | 835              | 246   |

GPG1630080M41\*\* - Rise Range: 35° - 65°

| E.S.P. | T1 LOW-STAGE HEATING SPEED |       |      | T2 HIGH-STAGE HEATING SPEED |       |      | T3 LOW-STAGE COOLING SPEED |       | T4 HIGH-STAGE COOLING SPEED |       | T5 COOLING SPEED |       |
|--------|----------------------------|-------|------|-----------------------------|-------|------|----------------------------|-------|-----------------------------|-------|------------------|-------|
|        | CFM                        | WATTS | RISE | CFM                         | WATTS | RISE | CFM                        | WATTS | CFM                         | WATTS | CFM              | WATTS |
| 0.1    | 1,035                      | 156   | 43   | 1,300                       | 287   | 46   | 945                        | 130   | 1,095                       | 185   | 1,295            | 289   |
| 0.2    | 990                        | 165   | 45   | 1,265                       | 293   | 47   | 905                        | 136   | 1,055                       | 195   | 1,260            | 294   |
| 0.3    | 950                        | 173   | 47   | 1,220                       | 310   | 49   | 865                        | 143   | 1,020                       | 202   | 1,220            | 304   |
| 0.4    | 910                        | 184   | 49   | 1,190                       | 306   | 50   | 815                        | 152   | 970                         | 210   | 1,180            | 313   |
| 0.5    | 865                        | 190   | 52   | 1,145                       | 319   | 52   | 770                        | 160   | 930                         | 215   | 1,140            | 319   |
| 0.6    | 820                        | 200   | 55   | 1,105                       | 320   | 54   | 715                        | 173   | 885                         | 222   | 1,105            | 326   |
| 0.7    | 765                        | 204   | 59   | 1,070                       | 330   | 56   | 660                        | 173   | 840                         | 233   | 1,055            | 334   |
| 0.8    | 725                        | 211   | 62   | 1,015                       | 338   | 59   | 610                        | 183   | 785                         | 234   | 1,015            | 337   |

GPG1636080M41\*\* - Rise Range: 35° - 65°

| E.S.P. | T1 LOW-STAGE HEATING SPEED |       |      | T2 HIGH-STAGE HEATING SPEED |       |      | T3 LOW-STAGE COOLING SPEED |       | T4 HIGH-STAGE COOLING SPEED |       | T5 COOLING SPEED |       |
|--------|----------------------------|-------|------|-----------------------------|-------|------|----------------------------|-------|-----------------------------|-------|------------------|-------|
|        | CFM                        | WATTS | RISE | CFM                         | WATTS | RISE | CFM                        | WATTS | CFM                         | WATTS | CFM              | WATTS |
| 0.1    | 950                        | 115   | 47   | 1,245                       | 230   | 48   | 1,045                      | 149   | 1,280                       | 258   | 1,440            | 354   |
| 0.2    | 895                        | 124   | 50   | 1,195                       | 238   | 50   | 990                        | 160   | 1,225                       | 259   | 1,390            | 365   |
| 0.3    | 840                        | 134   | 54   | 1,150                       | 247   | 52   | 935                        | 167   | 1,180                       | 274   | 1,355            | 369   |
| 0.4    | 775                        | 146   | 58   | 1,095                       | 256   | 55   | 875                        | 179   | 1,130                       | 280   | 1,300            | 383   |
| 0.5    | 710                        | 152   | 63   | 1,045                       | 263   | 57   | 820                        | 186   | 1,085                       | 293   | 1,260            | 396   |
| 0.6    | 650                        | 160   | X    | 990                         | 277   | 61   | 755                        | 194   | 1,030                       | 295   | 1,210            | 402   |
| 0.7    | 590                        | 163   | X    | 935                         | 285   | 64   | 700                        | 197   | 975                         | 304   | 1,160            | 397   |
| 0.8    | 540                        | 171   | X    | 870                         | 288   | X    | 650                        | 214   | 920                         | 315   | 1,110            | 415   |

| GPG1642100M41** - Rise Range: 35° - 65° |                            |       |      |                             |       |      |                            |       |                             |       |                  |       |
|-----------------------------------------|----------------------------|-------|------|-----------------------------|-------|------|----------------------------|-------|-----------------------------|-------|------------------|-------|
| E.S.P.                                  | T1 LOW-STAGE HEATING SPEED |       |      | T2 HIGH-STAGE HEATING SPEED |       |      | T3 LOW-STAGE COOLING SPEED |       | T4 HIGH-STAGE COOLING SPEED |       | T5 COOLING SPEED |       |
|                                         | CFM                        | WATTS | RISE | CFM                         | WATTS | RISE | CFM                        | WATTS | CFM                         | WATTS | CFM              | WATTS |
| 0.1                                     | 1,100                      | 172   | 51   | 1,420                       | 325   | 53   | 1,075                      | 162   | 1,335                       | 274   | 1,620            | 484   |
| 0.2                                     | 1,040                      | 181   | 54   | 1,360                       | 331   | 55   | 1,015                      | 172   | 1,290                       | 288   | 1,575            | 489   |
| 0.3                                     | 985                        | 185   | 57   | 1,310                       | 342   | 57   | 960                        | 185   | 1,230                       | 297   | 1,530            | 497   |
| 0.4                                     | 920                        | 193   | 61   | 1,275                       | 353   | 59   | 900                        | 188   | 1,185                       | 304   | 1,490            | 500   |
| 0.5                                     | 875                        | 203   | 64   | 1,210                       | 360   | 62   | 845                        | 200   | 1,130                       | 321   | 1,450            | 507   |
| 0.6                                     | 815                        | 207   | X    | 1,165                       | 368   | 64   | 790                        | 208   | 1,075                       | 321   | 1,405            | 518   |
| 0.7                                     | 765                        | 215   | X    | 1,115                       | 369   | X    | 740                        | 211   | 1,030                       | 325   | 1,345            | 516   |
| 0.8                                     | 710                        | 216   | X    | 1,075                       | 385   | X    | 680                        | 217   | 980                         | 330   | 1,300            | 528   |

| GPG1648100M41** - Rise Range: 35° - 65° |                            |       |      |                             |       |      |                            |       |                             |       |                  |       |
|-----------------------------------------|----------------------------|-------|------|-----------------------------|-------|------|----------------------------|-------|-----------------------------|-------|------------------|-------|
| E.S.P.                                  | T1 LOW-STAGE HEATING SPEED |       |      | T2 HIGH-STAGE HEATING SPEED |       |      | T3 LOW-STAGE COOLING SPEED |       | T4 HIGH-STAGE COOLING SPEED |       | T5 COOLING SPEED |       |
|                                         | CFM                        | WATTS | RISE | CFM                         | WATTS | RISE | CFM                        | WATTS | CFM                         | WATTS | CFM              | WATTS |
| 0.1                                     | 1,085                      | 171   | 52   | 1,410                       | 326   | 53   | 1,225                      | 227   | 1,475                       | 367   | 1,790            | 641   |
| 0.2                                     | 1,035                      | 178   | 54   | 1,365                       | 329   | 55   | 1,190                      | 240   | 1,430                       | 366   | 1,745            | 650   |
| 0.3                                     | 985                        | 184   | 57   | 1,315                       | 337   | 57   | 1,120                      | 246   | 1,375                       | 378   | 1,710            | 659   |
| 0.4                                     | 925                        | 193   | 61   | 1,270                       | 353   | 59   | 1,070                      | 254   | 1,320                       | 383   | 1,670            | 663   |
| 0.5                                     | 870                        | 198   | 65   | 1,220                       | 360   | 61   | 1,015                      | 266   | 1,270                       | 397   | 1,625            | 674   |
| 0.6                                     | 815                        | 208   | X    | 1,175                       | 372   | 64   | 970                        | 265   | 1,230                       | 400   | 1,585            | 672   |
| 0.7                                     | 760                        | 213   | X    | 1,115                       | 375   | X    | 920                        | 279   | 1,185                       | 409   | 1,540            | 675   |
| 0.8                                     | 710                        | 219   | X    | 1,080                       | 381   | X    | 875                        | 280   | 1,140                       | 417   | 1,495            | 683   |

GPG1660\*\*\*M41\*\*

DOWNSHOT

| SPEED TAP | STATIC | CFM  | AMPS | WATTS | RPM  |
|-----------|--------|------|------|-------|------|
| T1        | 0.1    | 1334 | 1.65 | 180   | 627  |
|           | 0.2    | 1286 | 1.75 | 192   | 665  |
|           | 0.3    | 1212 | 1.83 | 202   | 715  |
|           | 0.4    | 1144 | 1.94 | 216   | 759  |
|           | 0.5    | 1077 | 1.99 | 222   | 792  |
|           | 0.6    | 1039 | 2.10 | 238   | 830  |
|           | 0.7    | 953  | 2.17 | 248   | 874  |
|           | 0.8    | 904  | 2.27 | 258   | 913  |
|           | 0.9    | 825  | 2.30 | 266   | 940  |
| T2        | 0.1    | 1512 | 2.12 | 240   | 682  |
|           | 0.2    | 1469 | 2.24 | 254   | 720  |
|           | 0.3    | 1397 | 2.31 | 264   | 759  |
|           | 0.4    | 1333 | 2.44 | 282   | 803  |
|           | 0.5    | 1285 | 2.54 | 296   | 836  |
|           | 0.6    | 1221 | 2.59 | 304   | 874  |
|           | 0.7    | 1173 | 2.72 | 322   | 913  |
|           | 0.8    | 1118 | 2.77 | 328   | 946  |
|           | 0.9    | 1049 | 2.90 | 344   | 984  |
| T3        | 0.1    | 2053 | 4.27 | 540   | 869  |
|           | 0.2    | 2014 | 4.39 | 558   | 896  |
|           | 0.3    | 1999 | 4.60 | 576   | 929  |
|           | 0.4    | 1947 | 4.68 | 588   | 957  |
|           | 0.5    | 1897 | 4.79 | 608   | 989  |
|           | 0.6    | 1857 | 4.87 | 620   | 1012 |
|           | 0.7    | 1763 | 4.99 | 640   | 1050 |
|           | 0.8    | 1741 | 5.06 | 650   | 1072 |
|           | 0.9    | 1669 | 5.19 | 668   | 1105 |
| T4        | 0.1    | 2137 | 4.95 | 634   | 913  |
|           | 0.2    | 2093 | 5.07 | 652   | 940  |
|           | 0.3    | 2095 | 5.19 | 670   | 962  |
|           | 0.4    | 2026 | 5.28 | 682   | 990  |
|           | 0.5    | 1980 | 5.40 | 698   | 1018 |
|           | 0.6    | 1961 | 5.49 | 720   | 1039 |
|           | 0.7    | 1914 | 5.58 | 732   | 1072 |
|           | 0.8    | 1845 | 5.70 | 742   | 1100 |
|           | 0.9    | 1766 | 5.69 | 740   | 1127 |
| T5        | 0.1    | 2299 | 5.70 | 742   | 942  |
|           | 0.2    | 2233 | 5.80 | 748   | 969  |
|           | 0.3    | 2217 | 5.90 | 768   | 990  |
|           | 0.4    | 2157 | 6.07 | 786   | 1018 |
|           | 0.5    | 2131 | 6.12 | 804   | 1045 |
|           | 0.6    | 2060 | 6.21 | 816   | 1073 |
|           | 0.7    | 2015 | 6.30 | 820   | 1095 |
|           | 0.8    | 1940 | 6.27 | 816   | 1111 |
|           | 0.9    | 1862 | 6.13 | 790   | 1128 |

HORIZONTAL

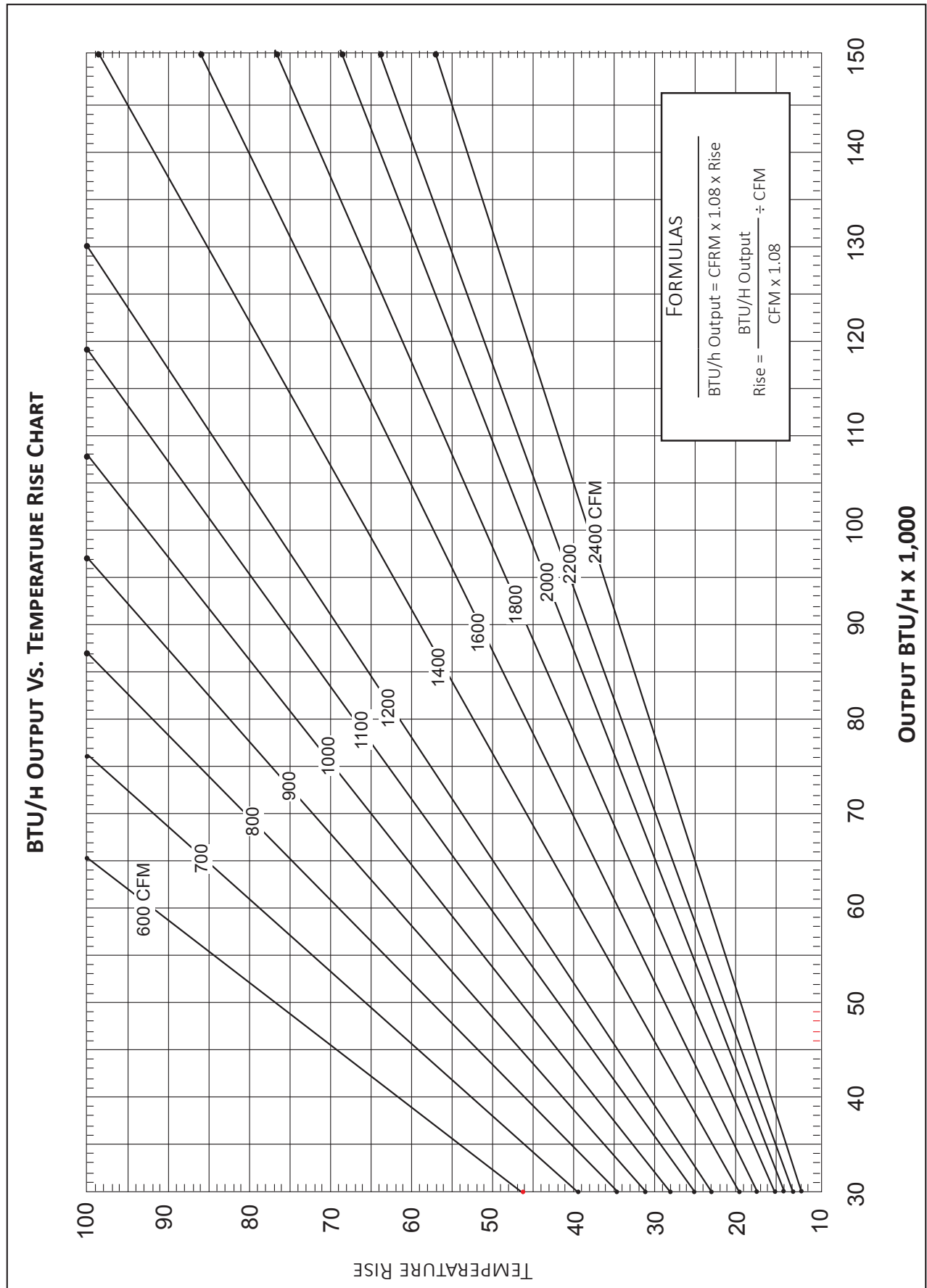
| SPEED TAP | ESP IN W.C. | CFM  | AMPS | WATTS | RPM  |
|-----------|-------------|------|------|-------|------|
| T1        | 0.1         | 1355 | 1.57 | 174   | 599  |
|           | 0.2         | 1281 | 1.66 | 182   | 651  |
|           | 0.3         | 1235 | 1.76 | 196   | 693  |
|           | 0.4         | 1168 | 1.81 | 202   | 726  |
|           | 0.5         | 1118 | 1.94 | 218   | 775  |
|           | 0.6         | 1049 | 2.03 | 232   | 819  |
|           | 0.7         | 982  | 2.10 | 240   | 858  |
|           | 0.8         | 922  | 2.14 | 246   | 885  |
|           | 0.9         | 871  | 2.25 | 260   | 927  |
| T2        | 0.1         | 1544 | 2.04 | 234   | 660  |
|           | 0.2         | 1490 | 2.17 | 250   | 704  |
|           | 0.3         | 1427 | 2.25 | 260   | 742  |
|           | 0.4         | 1370 | 2.35 | 276   | 781  |
|           | 0.5         | 1319 | 2.42 | 282   | 809  |
|           | 0.6         | 1274 | 2.52 | 296   | 849  |
|           | 0.7         | 1210 | 2.62 | 316   | 891  |
|           | 0.8         | 1137 | 2.73 | 326   | 935  |
|           | 0.9         | 1106 | 2.77 | 336   | 957  |
| T3        | 0.1         | 2099 | 4.13 | 516   | 825  |
|           | 0.2         | 2068 | 4.25 | 536   | 852  |
|           | 0.3         | 2029 | 4.37 | 552   | 885  |
|           | 0.4         | 1971 | 4.48 | 568   | 913  |
|           | 0.5         | 1911 | 4.61 | 586   | 950  |
|           | 0.6         | 1876 | 4.73 | 604   | 973  |
|           | 0.7         | 1821 | 4.86 | 622   | 1012 |
|           | 0.8         | 1792 | 4.91 | 630   | 1028 |
|           | 0.9         | 1740 | 5.03 | 648   | 1067 |
| T4        | 0.1         | 2233 | 4.76 | 608   | 863  |
|           | 0.2         | 2168 | 4.91 | 628   | 896  |
|           | 0.3         | 2125 | 5.02 | 640   | 924  |
|           | 0.4         | 2070 | 5.14 | 660   | 951  |
|           | 0.5         | 2050 | 5.27 | 678   | 979  |
|           | 0.6         | 1980 | 5.41 | 696   | 1012 |
|           | 0.7         | 1954 | 5.47 | 704   | 1034 |
|           | 0.8         | 1893 | 5.60 | 724   | 1067 |
|           | 0.9         | 1852 | 5.70 | 736   | 1089 |
| T5        | 0.1         | 2322 | 5.44 | 710   | 904  |
|           | 0.2         | 2294 | 5.55 | 726   | 934  |
|           | 0.3         | 2254 | 5.68 | 742   | 958  |
|           | 0.4         | 2201 | 5.80 | 766   | 990  |
|           | 0.5         | 2147 | 5.93 | 782   | 1017 |
|           | 0.6         | 2117 | 6.01 | 788   | 1039 |
|           | 0.7         | 2081 | 6.12 | 808   | 1060 |
|           | 0.8         | 2017 | 6.22 | 822   | 1094 |
|           | 0.9         | 1932 | 6.10 | 804   | 1111 |

NOTES

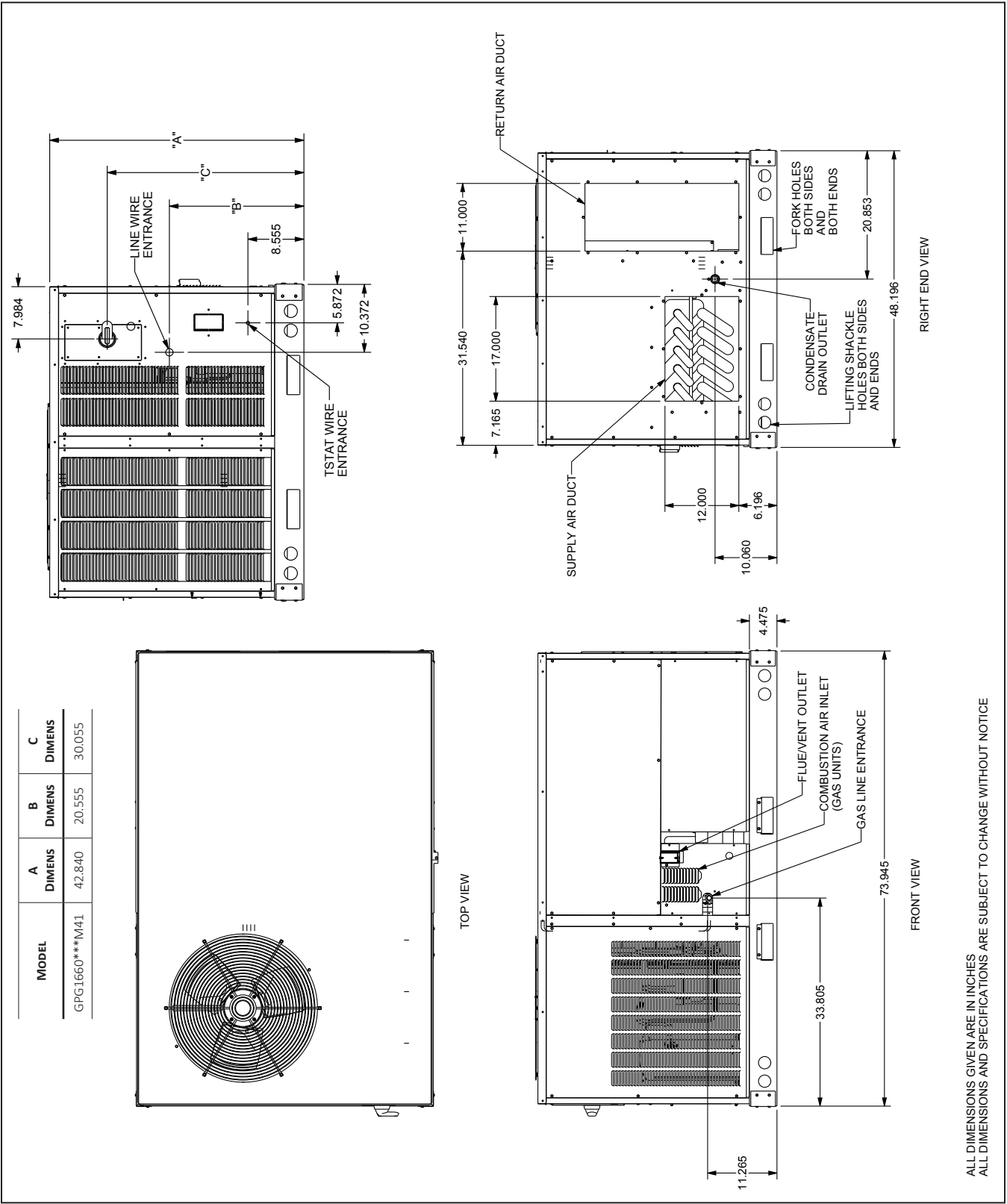
- Table represent dry coil without filter, to compensate for filter add 0.08" to measured E.S.P..
- SCFM correction for wet coil = 4%.
- 5-ton models are shipped from the factory with speed tap set on T4.

AIRFLOW PRESSURE DROP OF DOWNFLOW ECONOMIZER FOR 3 TO 6 TON ROOFTOP UNITS (100% RETURN AIR)

| SCFM   | 800  | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| in. WG | 0.02 | 0.04 | 0.05 | 0.07 | 0.09 | 0.12 | 0.14 | 0.17 | 0.21 | 0.24 | 0.28 |



| ECN    |  | REV | ZONE  | CHK         |  | DATE |  |
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| XXXXXX |  | A   | XXXXX | - GL        |  |      |  |
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Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.

Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown on the following page.

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

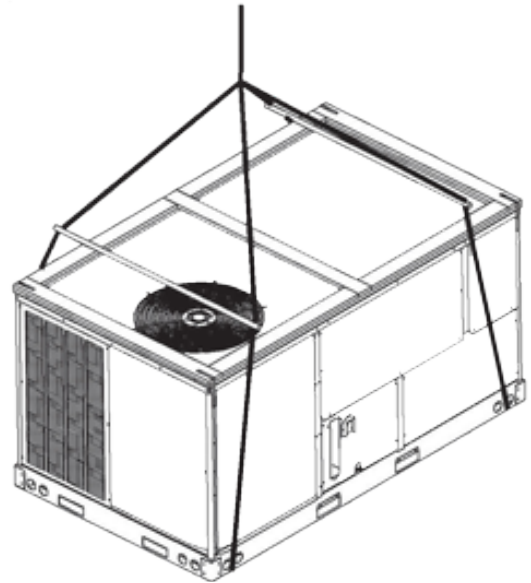
Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

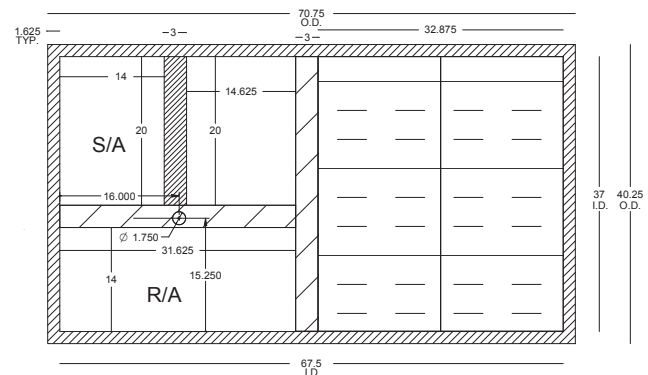
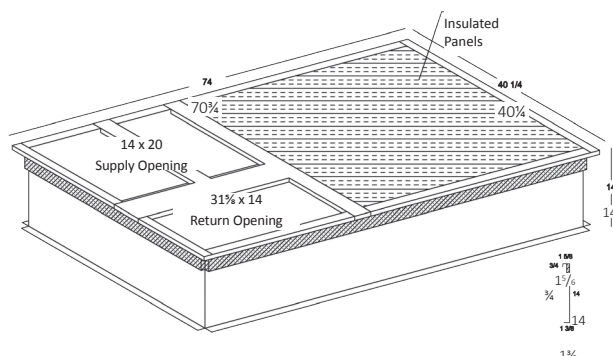
Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

See the manual shipped with the roof curb for assembly and installation instructions.

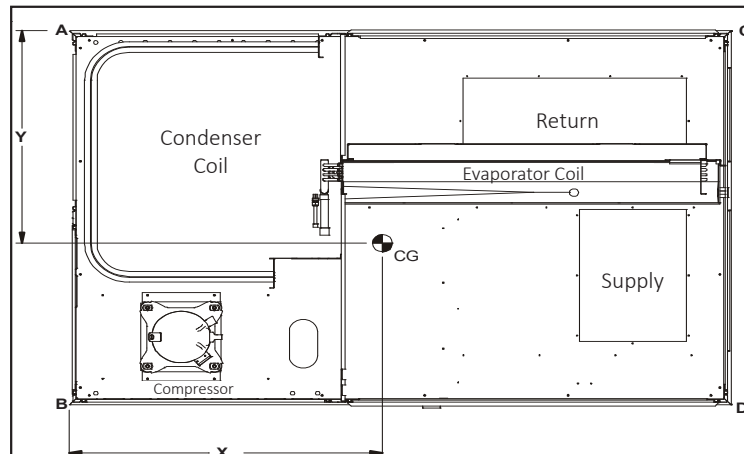


3-D VIEW

TOP VIEW



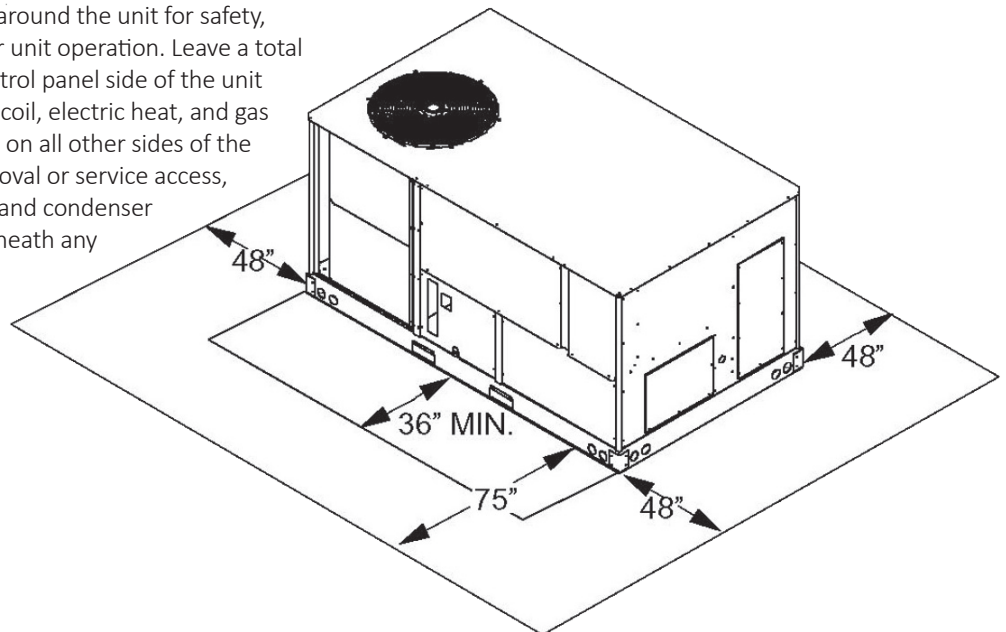
## CORNER & CENTER-OF-GRAVITY LOCATIONS

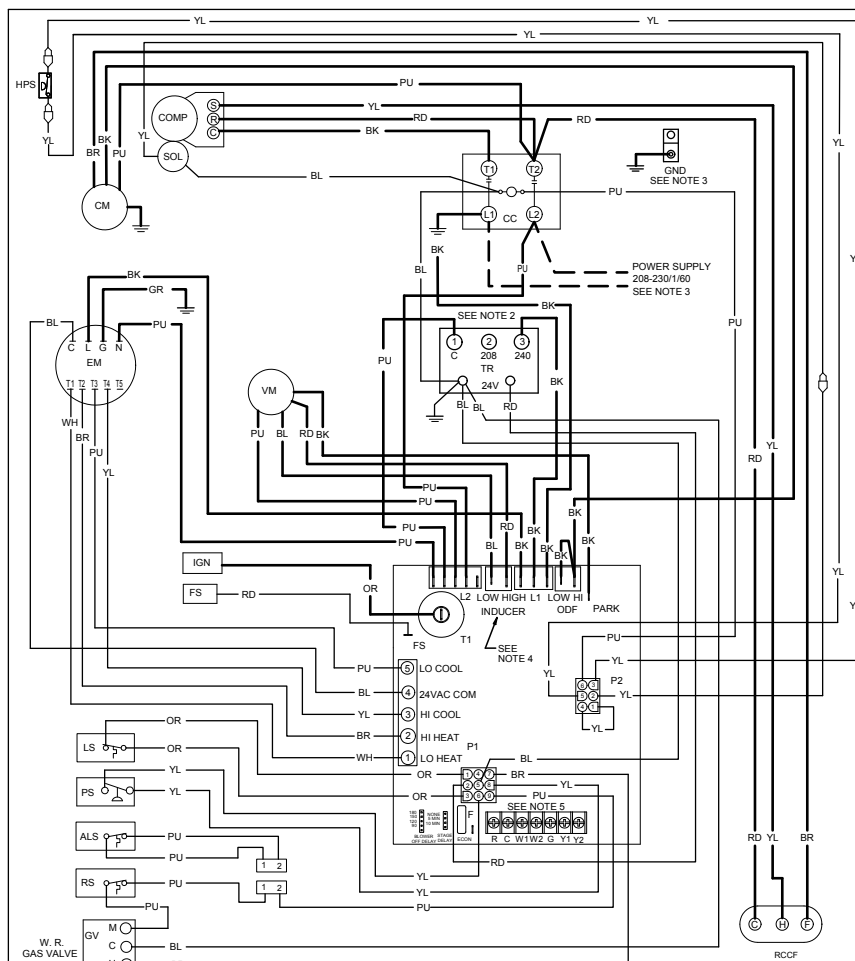


| MODEL           | X (IN) | Y (IN) | SHIPPING WEIGHT (LBS) | OPERATING WEIGHT (LBS) | CORNER WEIGHTS (LBS.) |     |    |     |
|-----------------|--------|--------|-----------------------|------------------------|-----------------------|-----|----|-----|
|                 |        |        |                       |                        | A                     | B   | C  | D   |
| GPG1660***M41** | 46.4   | 28.1   | 655                   | 629                    | 186                   | 204 | 65 | 174 |

## UNIT CLEARANCES

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75" on the main control panel side of the unit for possible removal of fan shaft, coil, electric heat, and gas furnace. Leave a clearance of 48" on all other sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit's fresh-air intake.





| COMPONENT/LEGEND |                                   | VM | VEN |
|------------------|-----------------------------------|----|-----|
| ALS              | AUXILIARY LIMIT SWITCH            |    |     |
| CC               | CONTACTOR                         |    |     |
| CM               | CONDENSER MOTOR                   |    |     |
| COMP             | COMPRESSOR                        |    |     |
| EM               | EVAPORATOR MOTOR                  |    |     |
| F                | FUSE                              |    |     |
| FS               | FLAME SENSOR                      |    |     |
| GND              | EQUIPMENT GROUND                  |    |     |
| GV               | GAS VALVE                         |    |     |
| HLO              | HI LIMIT OUTPUT                   |    |     |
| HLI              | HI LIMIT INPUT                    |    |     |
| HPS              | HIGH PRESSURE SWITCH              |    |     |
| IGN              | IGNITOR                           |    |     |
| IC               | INTEGRATED IGNITION CONTROL       |    |     |
| LS               | LIMIT SWITCH                      |    |     |
| MVL              | MAIN GAS VALVE LOW                |    |     |
| MVH              | MAIN GAS VALVE HIGH               |    |     |
| MVC              | MAIN GAS VALVE COMMON             |    |     |
| PS               | PRESSURE SWITCH                   |    |     |
| ODF              | OUTDOOR FAN                       |    |     |
| RCOF             | REAR CARTRIDGE FOR COMPRESSOR/FAN |    |     |
| RS               | ROLL-OUT SWITCH                   |    |     |
| SOL              | SOLENOID (2ND STAGE COOL)         |    |     |
| TR               | TRANSFORMER                       |    |     |
|                  | TRANSFORMER HIGH                  |    |     |

|    |            |
|----|------------|
| VM | VENT MOTOR |
|----|------------|

## NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (USE COPPER CONDUCTOR ONLY).
2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
3. USE COPPER CONDUCTORS ONLY
4. FOR 208V OPERATION, REMOVE BLUE LEAD FROM INDUCER LOW TERMINAL. MOVE BLACK LEAD FROM PARK TERMINAL ONTO INDUCER LOW TERMINAL. PLACE BLUE LEAD ON PARK TERMINAL.
5. USE NEC CLASS 2 WIRE FOR THERMOSTAT FIELD WIRING.

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## FACTORY WIRING

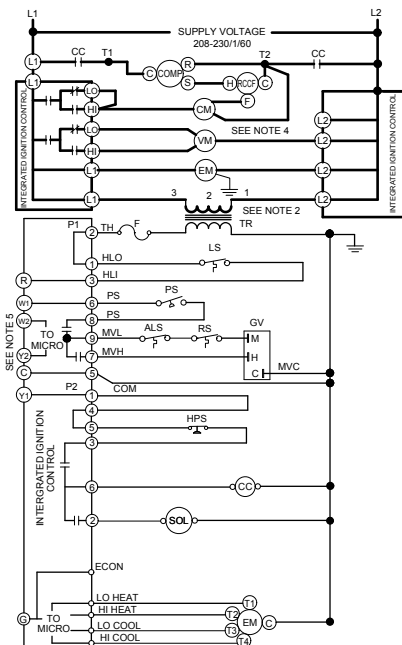
— LINE VOLTAGE  
 — LOW VOLTAGE  
 - - - OPTIONAL HIGH VOLTAGE

## FIELD WIRING

 HIGH VOLTAGE  
 LOW VOLTAGE

WIRE CODE

|    |        |
|----|--------|
| BK | BLACK  |
| BL | BLUE   |
| BR | BROWN  |
| GR | GREEN  |
| GY | GRAY   |
| OR | ORANGE |
| PK | PINK   |
| PU | PURPLE |
| RD | RED    |
| WH | WHITE  |
| YL | YELLOW |



| DIAGNOSTIC LED     | FLASHES                                                                                               | STATUS                                          | CHECK                                                                                                        |
|--------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|                    | ON                                                                                                    | NORMAL OPERATION                                | -                                                                                                            |
|                    | OFF                                                                                                   | NO POWER OR INTERNAL CONTROL FAULT              | CHECK INPUT POWER<br>CHECK FUSE(S)<br>REPLACE CONTROL                                                        |
|                    | 1 FLASH                                                                                               | IGNITION FAILURE                                | GAS FLOW<br>GAS PRESSURE<br>GAS VALVE<br>FLAME SENSOR<br>CHECK AUXILIARY LIMIT SW<br>CHECK ROLL-OUT LIMIT SW |
|                    | 2 FLASHES                                                                                             | PRESSURE SWITCH OPEN                            | CHECK PRESSURE SWITCH<br>CHECK TUBING<br>CHECK VENT MOTOR                                                    |
|                    | 3 FLASHES                                                                                             | PRESSURE SWITCH CLOSED WITHOUT INDICER ON       | CHECK PRESSURE SWITCH<br>CHECK TUBING                                                                        |
| RED                | 4 FLASHES                                                                                             | OPEN LIMIT SWITCH                               | CHECK MAIN LIMIT SWITCH                                                                                      |
|                    | 5 FLASHES                                                                                             | FALSE FLAME DETECTED                            | CHECK GAS VALVE<br>CHECK FOR SHORTS IN FLAME SENSOR WIRING                                                   |
|                    | 6 FLASHES                                                                                             | COMPR. SHORT CYCLE DELAY                        | 3 MIN COMP. SHORT CYCLE DELAY                                                                                |
|                    | 7 FLASHES                                                                                             | LIMIT OPEN 5 TIMES IN SAME CALL FOR HEAT        | CHECK MAIN LIMIT SWITCH<br>CHECK AUXILIARY LIMIT SW                                                          |
|                    | 8 FLASHES                                                                                             | IDT/ODT OPEN                                    | CHECK JUMPER BETWEEN 1 AND 4 ON 6-CIRCUIT CONNECTOR                                                          |
|                    | 9 FLASHES                                                                                             | PSW/LOC OPEN                                    | CHECK REFRIGERANT SWITCHES FOR LOSS OF CHARGE OR HIGH HEAD PRESSURE                                          |
|                    | OFF                                                                                                   | NO FLAME PRESENT                                | -                                                                                                            |
|                    | ON                                                                                                    | NORMAL FLAME PRESENT                            | -                                                                                                            |
| AMBER              | 1 FLASH                                                                                               | LOW FLAME SIGNAL                                | GAS FLOW<br>GAS PRESSURE<br>GAS VALVE<br>FLAME SENSOR                                                        |
|                    | 2 FLASHES                                                                                             | FALSE FLAME DETECTED                            | CHECK GAS VALVE<br>CHECK FOR SHORTS IN FLAME SENSOR WIRING                                                   |
| INTEGRATED CONTROL | JUNCTION TERMINAL<br>INTERNAL TO<br>PLUG CONNECTION<br>SWITCH (PRESS.)<br>OVERCURRENT<br>PROT. DEVICE | EQUIPMENT GROUND<br>FIELD GROUND<br>FIELD SPICE | SWITCH (TEMP)<br>IGNITER                                                                                     |

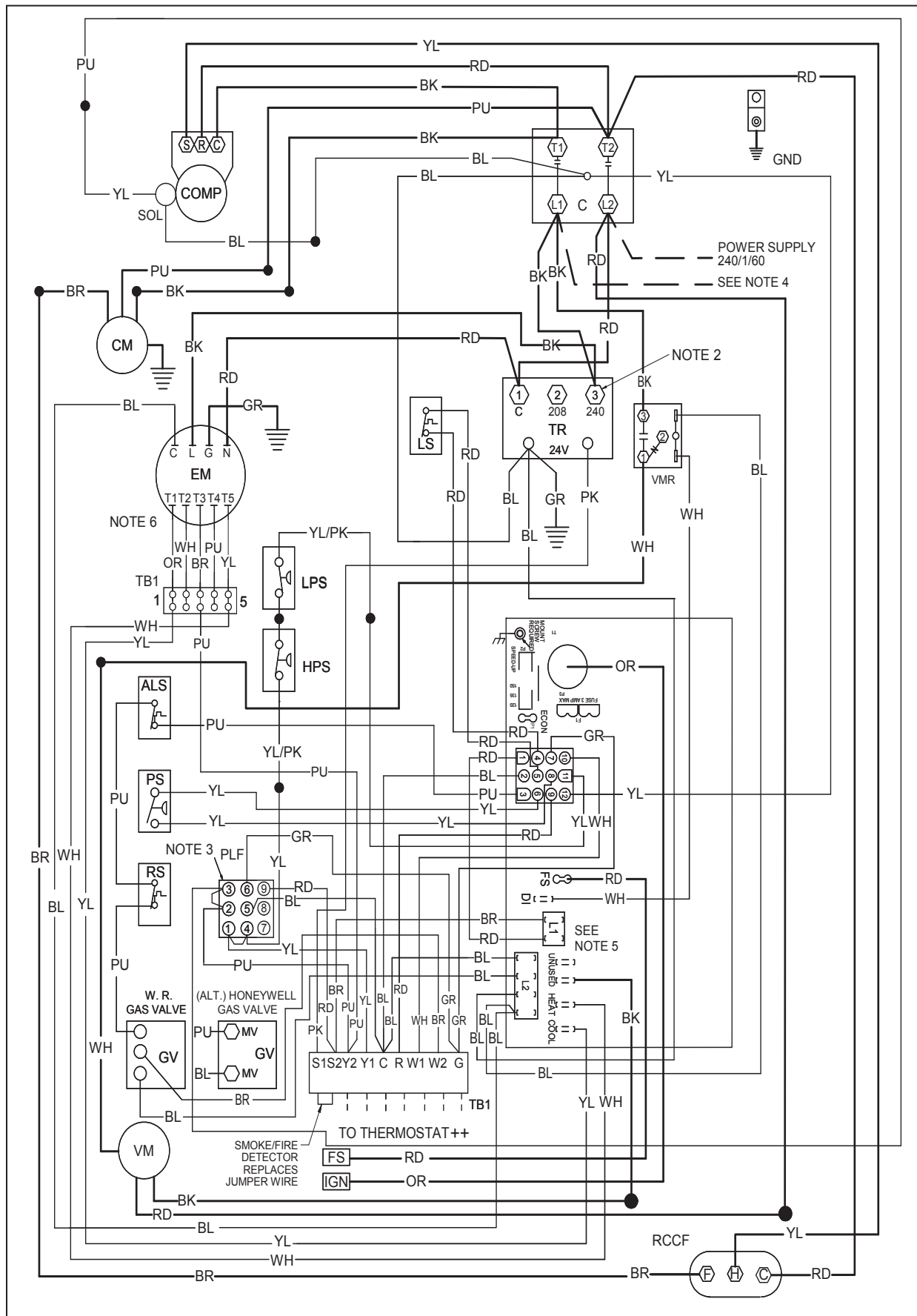
Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



**WARNING**

**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

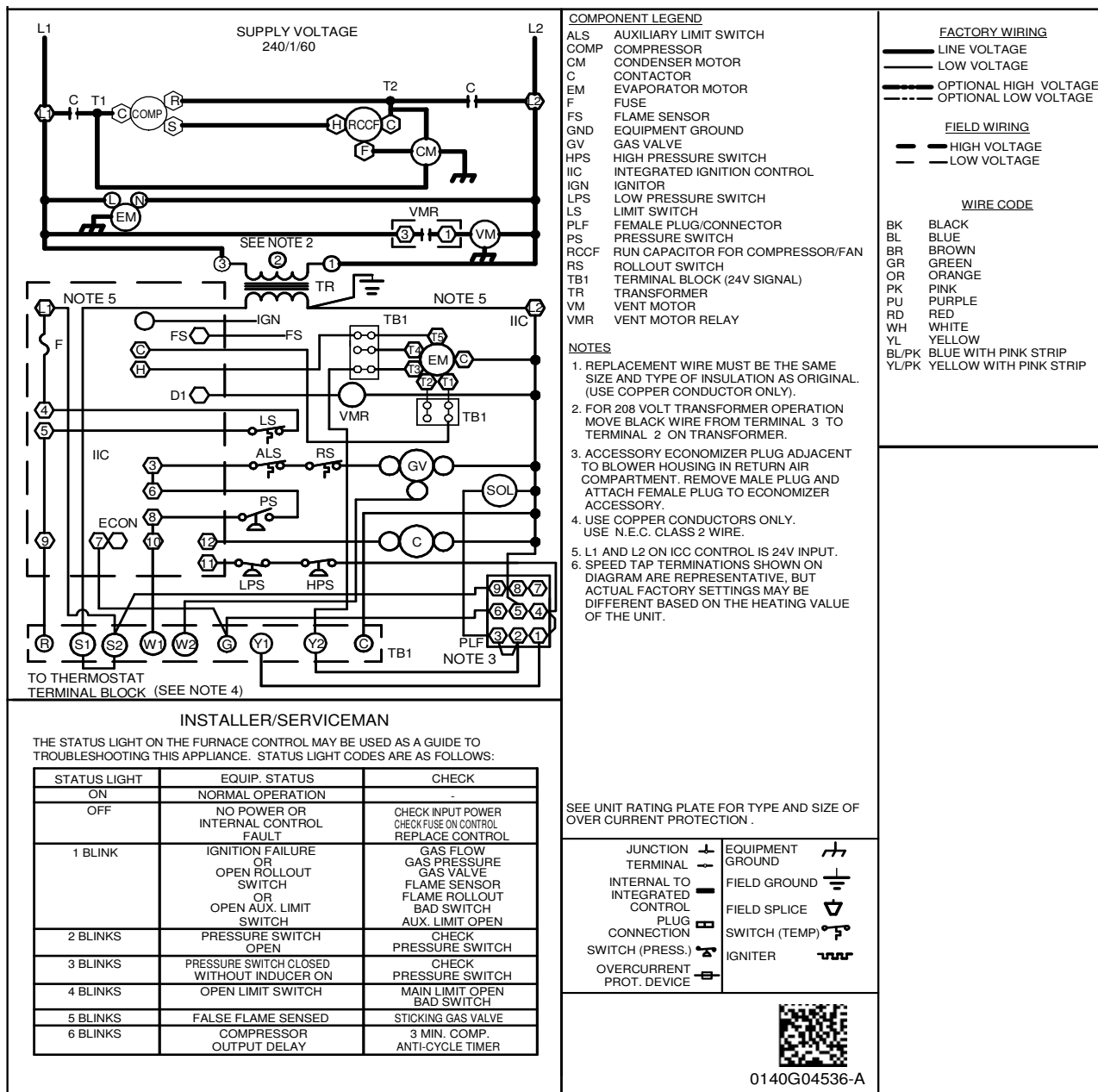




**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

**WARNING**

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



**WARNING**

**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



**FOR GPG1624-48\*\*\*M41\*\* UNITS**

| ACCESSORY<br>DESCRIPTION                        | ITEM NUMBER    |                             |
|-------------------------------------------------|----------------|-----------------------------|
|                                                 | MEDIUM CHASSIS | LARGE CHASSIS               |
| Concentric Kit                                  | CDK36          | CDK4872                     |
| Downflow Economizer                             | PGEDJ101/102   | PGEDJ103                    |
| Downflow Internal Filter Rack (with economizer) | DDNIFRPGMM     | N/A (built into economizer) |
| Downflow Internal Filter Rack (no economizer)   | DDNIFRPGA      | DDNIFRPGA                   |
| Downflow Manual Damper                          | PGMDD101/102   | PGMDD103                    |
| Downflow Motorized Damper                       | PGMDMD101/102  | PGMDMD103                   |
| Downflow Square to Round                        | SQRPG101/102   | SQRPG103                    |
| Economizer Wiring Harness (2-4 Tons)            | 0259L00412     | 0259L00412                  |
| External Horizontal Filter Rack                 | DPHFRA         | DPHFRA                      |
| Flue Extension Kit                              | FLHDKT-1       | FLHDKT-1                    |
| High-Altitude Kit                               | HA-03          | HA-03                       |
| Horizontal Duct Cover                           | 20464501PDGK   | 20464502PDGK                |
| Horizontal Economizer                           | DHZECNJPCHM    | DHZECNJPCHL                 |
| Horizontal Manual Damper                        | PGMDH102       | PGMDH103                    |
| Horizontal Motorized Damper                     | PGMDMH102      | PGMDMH103                   |
| Horizontal Square to Round                      | SQRPGH101/102  | SQRPGH103                   |
| Internal Horizontal Filter Rack                 | DHZIFRPGCHA    | DHZIFRPGCHA                 |
| LP Conversion Kit                               | LPM-08         | LPM-08                      |
| Outdoor Thermostat with Housing                 | OTDFPKG-01     | OTDFPKG-01                  |
| Roof Curb                                       | D14CRBPGCHMA   | D14CRBPGCHMA                |

**FOR THE GPG1660\*\*\*M41\*\* UNITS**

| ITEM #        | DESCRIPTION                                  |
|---------------|----------------------------------------------|
| 14CURB3672    | 14" Roof Curb                                |
| D25FD3672     | 25% Manual Fresh Air Damper                  |
| D25MFD3672    | 25% Motorized Fresh Air Damper               |
| CDK4872       | Concentric Duct Kit                          |
| DDNECNJ3672B  | Low-leak Downflow Economizer                 |
| DDNECNJ3672NR | Downflow Economizer w/o Barometric Relief    |
| DDNSQRD487218 | Downflow Square-to-Round Adapter (18" Round) |
| DHZECN3672    | Horizontal Economizer                        |
| DBRD3672      | Barometric Relief Damper                     |
| FSK01A        | Freeze Stat Kit                              |
| GHRC-1        | Hurricane Restraint Clips                    |
| HA-02         | High Altitude Kit                            |
| LAKT01        | Low-Ambient Kit                              |
| LPM-06        | LP Conversion Kit                            |
| 220-GX-01     | Flue Extension Kit                           |

