Goodman
Air Conditioning & Heating

# GPHH5

## R-32 Packaged Heat Pumps
## 15.2 SEER2, 6.7 HSPF2
## 2 to 5 Tons


***Contents***



ALL ALUMINUM COIL

R32

### *Standard Features*

- High-efficiency scroll compressor
- Multi-speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- Quiet horizontal discharge
- Electric heat kit available as a field-installed option
- AHRI Certified; UL Listed

### *Cabinet Features*

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Louvered condenser coil protection
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment with convenient access panels
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- One footprint for all tonnages
- When properly anchored, meets the 2023 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

10 YEAR PARTS LIMITED WARRANTY*

c UL us LISTED

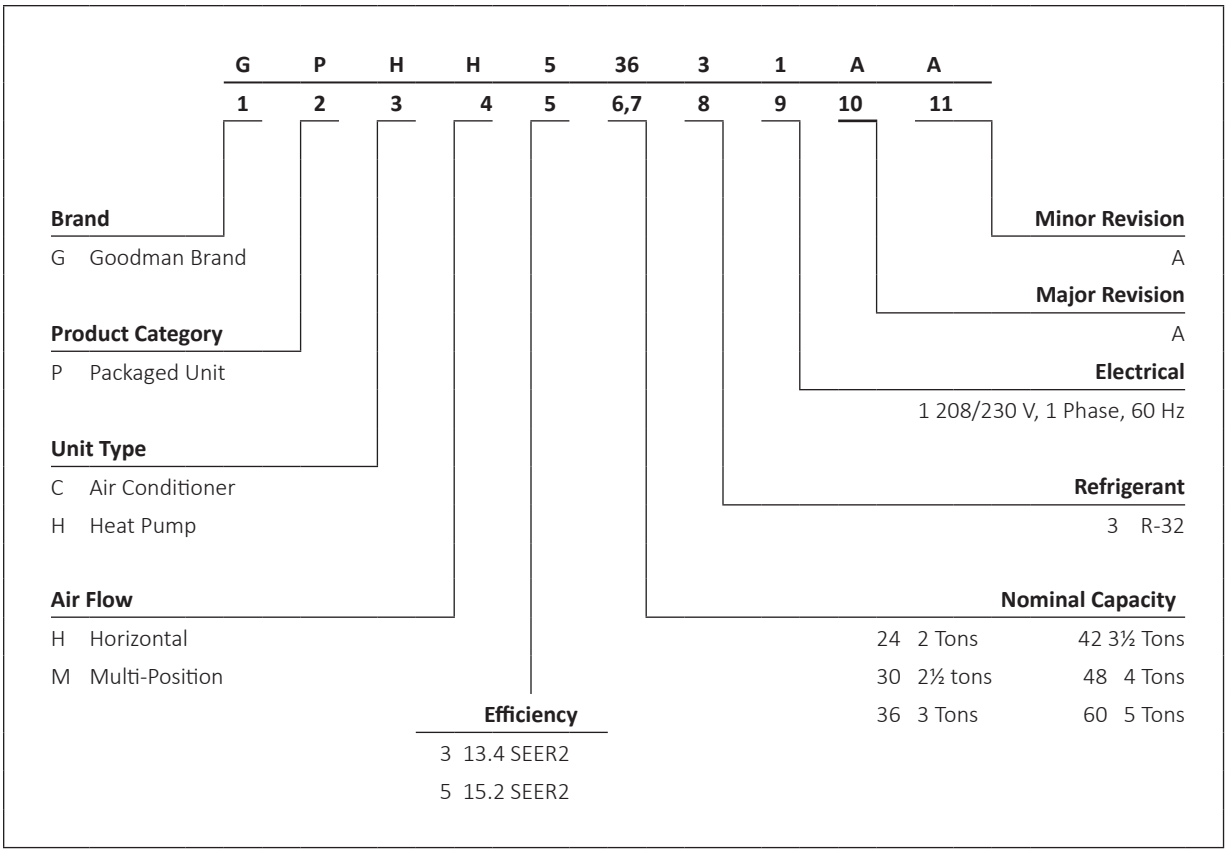
AHRI CERTIFIED

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL = ISO 14001 =

BBB ACCREDITED BUSINESS

* Complete warranty available from your local dealer or at 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, Florida, or Québec. The duration of warranty coverages in Texas and Florida differs in some cases. Other limitations and exclusions apply, refer to complete warranty details for full list of limitations and exclusions.


G P H H 5 36 3 1 A A
1 2 3 4 5 6,7 8 9 10 11
Brand
G Goodman Brand
Product Category
P Packaged Unit
Unit Type
C Air Conditioner
H Heat Pump
Air Flow
H Horizontal
M Multi-Position
Efficiency
3 13.4 SEER2
5 15.2 SEER2
Nominal Capacity
24 2 Tons
30 2½ tons
36 3 Tons
42 3½ Tons
48 4 Tons
60 5 Tons
Refrigerant
3 R-32
Electrical
1 208/230 V, 1 Phase, 60 Hz
Major Revision
A
Minor Revision
A

| | GPHH5 2431 | GPHH5 3031 | GPHH5 3631 | GPHH5 4231 | GPHH5 4831 | GPHH5 6031 |
|---|---|---|---|---|---|---|
| **COOLING CAPACITY** | | | | | | |
| Total BTU/h | 23,600 | 27,000 | 32,600 | 42,000 | 45,000 | 55,000 |
| Sensible BTU/h | 18,408 | 21,330 | 26,080 | 30,240 | 35,550 | 39,600 |
| SEER2 | 15.0 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| EER2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| **HEATING CAPACITY** | | | | | | |
| BTU/h (47°F) | 24,000 | 26,000 | 30,000 | 41,500 | 41,500 | 52,000 |
| C.O.P. (47°F) | 3.8 | 3.66 | 3.42 | 3.48 | 3.48 | 3.44 |
| BTU/h (17°F) | 13,000 | 14,400 | 18,600 | 25,000 | 25,000 | 31,400 |
| C.O.P. (17°F) | 2.40 | 2.20 | 2.32 | 2.24 | 2.26 | 2.28 |
| HSPF2 | 7.00 | 7.00 | 7.00 | 6.70 | 6.70 | 6.80 |
| **EVAPORATOR FAN / COIL** | | | | | | |
| Type | ECM | ECM | ECM | ECM | ECM | ECM |
| Wheel (D x W) | 10 x 8 | 10 x 8 | 10 x 8 | 10 x 8 | 10 x 8 | 11 x 8 |
| Indoor Nominal CFM | 875 | 1050 | 1180 | 1300 | 1550 | 1700 |
| No. of Speeds | 5 | 5 | 5 | 5 | 5 | 5 |
| Indoor Blower FLA | 3.8 | 3.8 | 3.8 | 5.4 | 5.4 | 5.4 |
| HORSEPOWER | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 |
| Face Area (ft2) | 5.26 | 5.26 | 6.23 | 6.23 | 6.23 | 7.01 |
| Rows Deep / Fins per Inch | 4/14 | 4/14 | 4/14 | 4/14 | 4/14 | 4/14 |
| Metering Device Type | TXV | TXV | TXV | TXV | TXV | TXV |
| Drain Size (NPT) | ¾" | ¾" | ¾" | ¾" | ¾" | ¾" |
| Refrigerant Charge (oz.) | 98 | 99 | 144 | 121 | 129 | 140 |
| **Condenser Fan / Coil** | | | | | | |
| OUTDOOR FAN FLA | 0.95 | 0.95 | 1.4 | 2 | 2 | 1.4 |
| Horsepower | 1/6 | 1/6 | 1/4 | 1/3 | 1/3 | 1/4 |
| Blade Diameter | 22 | 22 | 22 | 22 | 22 | 22 |
| Face Area (ft2) | 14.4 | 13.92 | 13.92 | 16.5 | 16.5 | 18.85 |
| ROWS DEEP / FINS PER INCH | 2/16 | 2/16 | 2/16 | 2/16 | 2/16 | 2/20 |
| Metering Device Type | Piston | Piston | Piston | TXV | TXV | TXV |
| **Compressor** | | | | | | |
| Type | Scroll | Scroll | Scroll | Scroll | Scroll | Scroll |
| Stage | Single | Single | Two | Two | Two | Two |
| RLA | 10.62 | 12.8 | 14.53 | 23.23 | 23.23 | 27.072 |
| LRA | 56.5 | 76 | 91 | 128.4 | 128.4 | 178 |
| **Electrical Data** | | | | | | |
| Phase | 1 | 1 | 1 | 1 | 1 | 1 |
| Voltage (Frequency 60 Hz) | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 | 208-230 |
| Min. Circuit Ampacity | 18.03 | 20.75 | 23.36 | 36.44 | 36.44 | 40.64 |
| MAX. OVERCURRENT PROTECTION | 25 | 30 | 35 | 50 | 50 | 60 |
| Decibels | 76 | 76 | 78 | 78 | 80 | 80 |
| **Operating/Shipping Weights (lbs)** | 350 / 360 | 350 / 360 | 390 / 400 | 400 / 410 | 410 / 420 | 430 / 440 |

**Notes:**

Always check the S&R plate for electrical data on the unit being installed. Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 700 | MBh | 23.8 | 24.2 | 24.9 | - | 23.6 | 24.0 | 24.7 | - | 23.0 | 23.3 | 24.1 | - | 21.9 | 22.3 | 23.0 | - | 20.6 | 20.9 | 21.7 | - | 19.4 | 19.7 | 20.5 | - |
| | | S/T | 0.57 | 0.49 | 0.35 | - | 0.58 | 0.50 | 0.36 | - | 0.60 | 0.52 | 0.38 | - | 1.00 | 0.54 | 0.40 | - | 1.00 | 0.57 | 0.43 | - | 1.00 | 0.62 | 0.48 | - |
| | | ΔT | 19.28 | 17.57 | 14.37 | - | 19.24 | 17.52 | 14.32 | - | 19.48 | 17.76 | 14.56 | - | 19.22 | 17.50 | 14.30 | - | 18.99 | 17.27 | 14.07 | - | 20.06 | 18.35 | 15.15 | - |
| | | kW | 1.56 | 1.56 | 1.56 | - | 1.76 | 1.76 | 1.76 | - | 1.99 | 1.99 | 1.98 | - | 2.23 | 2.23 | 2.23 | - | 2.50 | 2.50 | 2.50 | - | 2.82 | 2.82 | 2.82 | - |
| | | Amps | 5.97 | 5.96 | 5.94 | - | 6.84 | 6.84 | 6.82 | - | 7.83 | 7.82 | 7.80 | - | 8.89 | 8.88 | 8.86 | - | 10.07 | 10.07 | 10.05 | - | 11.46 | 11.46 | 11.44 | - |
| | | Hi PR | 245 | 246 | 247 | - | 283 | 284 | 286 | - | 324 | 325 | 327 | - | 368 | 369 | 371 | - | 415 | 416 | 418 | - | 465 | 466 | 468 | - |
| | | Lo PR | 124 | 125 | 129 | - | 131 | 133 | 136 | - | 138 | 140 | 143 | - | 144 | 145 | 148 | - | 149 | 151 | 154 | - | 156 | 158 | 161 | - |
| | 875 | MBh | 24.3 | 24.7 | 25.4 | - | 24.1 | 24.4 | 25.2 | - | 23.5 | 23.8 | 24.5 | - | 22.4 | 22.7 | 23.5 | - | 21.1 | 21.4 | 22.1 | - | 19.9 | 20.2 | 20.9 | - |
| | | S/T | 0.68 | 0.61 | 0.47 | - | 0.69 | 0.61 | 0.47 | - | 0.72 | 0.64 | 0.50 | - | 1.00 | 0.66 | 0.52 | - | 1.00 | 0.68 | 0.54 | - | 1.00 | 0.73 | 0.59 | - |
| | | ΔT | 17.50 | 15.79 | 12.59 | - | 17.46 | 15.74 | 12.54 | - | 17.70 | 15.98 | 12.78 | - | 17.44 | 15.73 | 12.52 | - | 17.21 | 15.50 | 12.30 | - | 18.28 | 16.57 | 13.37 | - |
| | | kW | 1.58 | 1.58 | 1.57 | - | 1.78 | 1.78 | 1.78 | - | 2.01 | 2.00 | 2.00 | - | 2.25 | 2.25 | 2.24 | - | 2.52 | 2.52 | 2.52 | - | 2.84 | 2.84 | 2.84 | - |
| | | Amps | 6.04 | 6.04 | 6.02 | - | 6.92 | 6.92 | 6.90 | - | 7.90 | 7.90 | 7.88 | - | 8.96 | 8.96 | 8.94 | - | 10.15 | 10.14 | 10.13 | - | 11.54 | 11.53 | 11.52 | - |
| | | Hi PR | 248 | 249 | 251 | - | 287 | 288 | 290 | - | 327 | 328 | 330 | - | 371 | 372 | 374 | - | 418 | 419 | 421 | - | 469 | 470 | 472 | - |
| | | Lo PR | 127 | 128 | 131 | - | 134 | 136 | 139 | - | 141 | 143 | 146 | - | 147 | 148 | 151 | - | 152 | 154 | 157 | - | 159 | 161 | 164 | - |
| | 1100 | MBh | 25.2 | 25.5 | 26.2 | - | 25.0 | 25.3 | 26.0 | - | 24.3 | 24.7 | 25.4 | - | 23.3 | 23.6 | 24.3 | - | 21.9 | 22.3 | 23.0 | - | 20.7 | 21.1 | 21.8 | - |
| | | S/T | 0.73 | 0.65 | 0.51 | - | 0.74 | 0.66 | 0.52 | - | 1.00 | 0.68 | 0.55 | - | 1.00 | 0.70 | 0.57 | - | 1.00 | 0.73 | 0.59 | - | 1.00 | 1.00 | 0.64 | - |
| | | ΔT | 15.82 | 14.10 | 10.90 | - | 15.77 | 14.06 | 10.85 | - | 16.01 | 14.30 | 11.10 | - | 15.75 | 14.04 | 10.84 | - | 15.52 | 13.81 | 10.61 | - | 16.60 | 14.88 | 11.68 | - |
| | | kW | 1.60 | 1.59 | 1.59 | - | 1.80 | 1.80 | 1.79 | - | 2.02 | 2.02 | 2.02 | - | 2.27 | 2.27 | 2.26 | - | 2.54 | 2.54 | 2.53 | - | 2.86 | 2.86 | 2.85 | - |
| | | Amps | 6.12 | 6.11 | 6.10 | - | 7.00 | 6.99 | 6.98 | - | 7.98 | 7.97 | 7.96 | - | 9.04 | 9.03 | 9.02 | - | 10.22 | 10.22 | 10.20 | - | 11.62 | 11.61 | 11.59 | - |
| | | Hi PR | 252 | 253 | 255 | - | 291 | 292 | 294 | - | 332 | 333 | 334 | - | 375 | 376 | 378 | - | 423 | 424 | 425 | - | 473 | 474 | 476 | - |
| | | Lo PR | 131 | 133 | 136 | - | 139 | 140 | 144 | - | 146 | 147 | 150 | - | 151 | 153 | 156 | - | 157 | 158 | 161 | - | 164 | 165 | 168 | - |
| 75 | 700 | MBh | 23.9 | 24.2 | 24.9 | 26.0 | 23.6 | 24.0 | 24.7 | 25.8 | 23.0 | 23.4 | 24.1 | 25.2 | 21.9 | 22.3 | 23.0 | 24.1 | 20.6 | 21.0 | 21.7 | 22.8 | 19.4 | 19.8 | 20.5 | 21.6 |
| | | S/T | 0.70 | 0.62 | 0.49 | 0.3 | 0.71 | 0.63 | 0.49 | 0.3 | 1.00 | 0.66 | 0.52 | 0.4 | 1.00 | 0.68 | 0.54 | 0.4 | 1.00 | 0.70 | 0.56 | 0.4 | 1.00 | 1.00 | 0.61 | 0.5 |
| | | ΔT | 23.05 | 21.34 | 18.14 | 14.8 | 23.01 | 21.29 | 18.09 | 14.8 | 23.25 | 21.53 | 18.33 | 15.0 | 22.99 | 21.27 | 18.07 | 14.8 | 22.76 | 21.04 | 17.84 | 14.5 | 23.83 | 22.12 | 18.92 | 15.6 |
| | | kW | 1.56 | 1.56 | 1.55 | 1.6 | 1.76 | 1.76 | 1.76 | 1.8 | 1.99 | 1.98 | 1.98 | 2.0 | 2.23 | 2.23 | 2.23 | 2.2 | 2.50 | 2.50 | 2.50 | 2.5 | 2.82 | 2.82 | 2.82 | 2.8 |
| | | Amps | 5.96 | 5.95 | 5.94 | 6.0 | 6.84 | 6.83 | 6.82 | 6.9 | 7.82 | 7.81 | 7.80 | 7.9 | 8.88 | 8.87 | 8.86 | 8.9 | 10.07 | 10.06 | 10.04 | 10.1 | 11.46 | 11.45 | 11.44 | 11.5 |
| | | Hi PR | 245 | 246 | 248 | 251.8 | 284 | 285 | 286 | 290.6 | 324 | 325 | 327 | 331.3 | 368 | 369 | 371 | 375.0 | 415 | 416 | 418 | 422.2 | 465 | 467 | 468 | 472.6 |
| | | Lo PR | 124 | 125 | 129 | 133.9 | 132 | 133 | 136 | 141.5 | 138 | 140 | 143 | 148.2 | 144 | 145 | 149 | 153.8 | 149 | 151 | 154 | 159.4 | 156 | 158 | 161 | 166.3 |
| | 875 | MBh | 24.3 | 24.7 | 25.4 | 26.5 | 24.1 | 24.5 | 25.2 | 26.3 | 23.5 | 23.8 | 24.6 | 25.6 | 22.4 | **22.8** | 23.5 | 24.6 | 21.1 | 21.4 | 22.2 | 23.3 | 19.9 | 20.2 | 21.0 | 22.0 |
| | | S/T | 0.82 | 0.74 | 0.60 | 0.5 | 1.00 | 0.74 | 0.61 | 0.5 | 1.00 | 0.77 | 0.63 | 0.5 | 1.00 | **0.79** | 0.65 | 0.5 | 1.00 | 0.81 | 0.67 | 0.5 | 1.00 | 1.00 | 0.73 | 0.6 |
| | | ΔT | 21.27 | 19.56 | 16.36 | 13.0 | 21.23 | 19.51 | 16.31 | 13.0 | 21.47 | 19.75 | 16.55 | 13.2 | 21.21 | **19.50** | 16.29 | 13.0 | 20.98 | 19.27 | 16.07 | 12.7 | 22.05 | 20.34 | 17.14 | 13.8 |
| | | kW | 1.58 | 1.58 | 1.57 | 1.6 | 1.78 | 1.78 | 1.77 | 1.8 | 2.00 | 2.00 | 2.00 | 2.0 | 2.25 | **2.25** | 2.24 | 2.3 | 2.52 | 2.52 | 2.52 | 2.5 | 2.84 | 2.84 | 2.84 | 2.9 |
| | | Amps | 6.04 | 6.03 | 6.02 | 6.1 | 6.92 | 6.91 | 6.90 | 7.0 | 7.90 | 7.89 | 7.88 | 7.9 | 8.96 | **8.95** | 8.94 | 9.0 | 10.14 | 10.14 | 10.12 | 10.2 | 11.54 | 11.53 | 11.51 | 11.6 |
| | | Hi PR | 248 | 249 | 251 | 255.3 | 287 | 288 | 290 | 294.1 | 328 | 329 | 330 | 334.7 | 371 | **372** | 374 | 378.5 | 419 | 420 | 421 | 425.7 | 469 | 470 | 472 | 476.0 |
| | | Lo PR | 127 | 128 | 132 | 136.8 | 134 | 136 | 139 | 144.4 | 141 | 143 | 146 | 151.1 | 147 | **148** | 151 | 156.7 | 152 | 154 | 157 | 162.2 | 159 | 161 | 164 | 169.2 |
| | 1100 | MBh | 25.2 | 25.5 | 26.3 | 27.4 | 25.0 | 25.3 | 26.0 | 27.1 | 24.4 | 24.7 | 25.4 | 26.5 | 23.3 | 23.6 | 24.3 | 25.4 | 22.0 | 22.3 | 23.0 | 24.1 | 20.8 | 21.1 | 21.8 | 22.9 |
| | | S/T | 0.86 | 0.78 | 0.65 | 0.5 | 1.00 | 0.79 | 0.65 | 0.5 | 1.00 | 0.82 | 0.68 | 0.5 | 1.00 | 0.84 | 0.70 | 0.6 | 1.00 | 1.00 | 0.72 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 |
| | | ΔT | 19.59 | 17.87 | 14.67 | 11.4 | 19.54 | 17.83 | 14.62 | 11.3 | 19.78 | 18.07 | 14.87 | 11.5 | 19.52 | 17.81 | 14.61 | 11.3 | 19.29 | 17.58 | 14.38 | 11.1 | 20.37 | 18.65 | 15.45 | 12.1 |
| | | kW | 1.59 | 1.59 | 1.59 | 1.6 | 1.80 | 1.79 | 1.79 | 1.8 | 2.02 | 2.02 | 2.02 | 2.0 | 2.27 | 2.26 | 2.26 | 2.3 | 2.54 | 2.54 | 2.53 | 2.5 | 2.86 | 2.86 | 2.85 | 2.9 |
| | | Amps | 6.11 | 6.11 | 6.09 | 6.2 | 6.99 | 6.98 | 6.97 | 7.0 | 7.97 | 7.96 | 7.95 | 8.0 | 9.03 | 9.03 | 9.01 | 9.1 | 10.22 | 10.21 | 10.20 | 10.3 | 11.61 | 11.60 | 11.59 | 11.7 |
| | | Hi PR | 252 | 253 | 255 | 259.5 | 291 | 292 | 294 | 298.3 | 332 | 333 | 335 | 338.9 | 376 | 377 | 378 | 382.7 | 423 | 424 | 426 | 429.9 | 473 | 474 | 476 | 480.2 |
| | | Lo PR | 131 | 133 | 136 | 141.3 | 139 | 140 | 144 | 148.9 | 146 | 147 | 150 | 155.6 | 151 | 153 | 156 | 161.2 | 157 | 158 | 161 | 166.7 | 164 | 165 | 168 | 173.7 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 700 | MBh | 24.0 | 24.3 | 25.0 | 26.1 | 23.8 | 24.1 | 24.8 | 25.9 | 23.1 | 23.5 | 24.2 | 25.3 | 22.1 | 22.4 | 23.1 | 24.2 | 20.7 | 21.1 | 21.8 | 22.9 | 19.5 | 19.9 | 20.6 | 21.7 |
| | | S/T | 1.00 | 0.75 | 0.61 | 0.5 | 1.00 | 0.76 | 0.62 | 0.5 | 1.00 | 0.79 | 0.65 | 0.5 | 1.00 | 1.00 | 0.67 | 0.5 | 1.00 | 1.00 | 0.69 | 0.5 | 1.00 | 1.00 | 0.74 | 0.6 |
| | | ΔT | 26.85 | 25.13 | 21.93 | 18.6 | 26.80 | 25.09 | 21.88 | 18.6 | 27.04 | 25.33 | 22.13 | 18.8 | 26.78 | 25.07 | 21.87 | 18.6 | 26.55 | 24.84 | 21.64 | 18.3 | 27.63 | 25.91 | 22.71 | 19.4 |
| | | kW | 1.56 | 1.56 | 1.56 | 1.6 | 1.76 | 1.76 | 1.76 | 1.8 | 1.99 | 1.99 | 1.98 | 2.0 | 2.23 | 2.23 | 2.23 | 2.2 | 2.50 | 2.50 | 2.50 | 2.5 | 2.82 | 2.82 | 2.82 | 2.8 |
| | | Amps | 5.97 | 5.96 | 5.94 | 6.0 | 6.84 | 6.84 | 6.82 | 6.9 | 7.82 | 7.82 | 7.80 | 7.9 | 8.89 | 8.88 | 8.86 | 8.9 | 10.07 | 10.06 | 10.05 | 10.1 | 11.46 | 11.46 | 11.44 | 11.5 |
| | | Hi PR | 245 | 246 | 248 | 252.3 | 284 | 285 | 287 | 291.1 | 325 | 326 | 327 | 331.7 | 368 | 369 | 371 | 375.5 | 416 | 417 | 418 | 422.7 | 466 | 467 | 469 | 473.0 |
| | | Lo PR | 124 | 126 | 129 | 134.5 | 132 | 134 | 137 | 142.1 | 139 | 140 | 143 | 148.8 | 144 | 146 | 149 | 154.4 | 150 | 151 | 155 | 159.9 | 157 | 158 | 162 | 166.8 |
| | 875 | MBh | 24.5 | 24.8 | 25.5 | 26.6 | 24.2 | 24.6 | 25.3 | 26.4 | 23.6 | 24.0 | 24.7 | 25.8 | 22.5 | 22.9 | **23.6** | 24.7 | 21.2 | 21.6 | 22.3 | 23.4 | 20.0 | 20.4 | 21.1 | 22.2 |
| | | S/T | 1.00 | 0.87 | 0.73 | 0.6 | 1.00 | 0.87 | 0.73 | 0.6 | 1.00 | 0.90 | 0.76 | 0.6 | 1.00 | 1.00 | **0.78** | 0.6 | 1.00 | 1.00 | 0.80 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 |
| | | ΔT | 25.07 | 23.36 | 20.15 | 16.8 | 25.02 | 23.31 | 20.11 | 16.8 | 25.26 | 23.55 | 20.35 | 17.0 | 25.01 | 23.29 | **20.09** | 16.8 | 24.78 | 23.06 | 19.86 | 16.5 | 25.85 | 24.14 | 20.93 | 17.6 |
| | | kW | 1.58 | 1.58 | 1.57 | 1.6 | 1.78 | 1.78 | 1.78 | 1.8 | 2.01 | 2.00 | 2.00 | 2.0 | 2.25 | 2.25 | **2.24** | 2.3 | 2.52 | 2.52 | 2.52 | 2.5 | 2.84 | 2.84 | 2.84 | 2.9 |
| | | Amps | 6.04 | 6.04 | 6.02 | 6.1 | 6.92 | 6.92 | 6.90 | 7.0 | 7.90 | 7.90 | 7.88 | 7.9 | 8.96 | 8.96 | **8.94** | 9.0 | 10.15 | 10.14 | 10.13 | 10.2 | 11.54 | 11.53 | 11.52 | 11.6 |
| | | Hi PR | 249 | 250 | 251 | 255.7 | 287 | 288 | 290 | 294.5 | 328 | 329 | 331 | 335.2 | 372 | 373 | **375** | 378.9 | 419 | 420 | 422 | 426.1 | 469 | 470 | 472 | 476.5 |
| | | Lo PR | 127 | 129 | 132 | 137.4 | 135 | 136 | 140 | 145.0 | 142 | 143 | 146 | 151.6 | 147 | 149 | **152** | 157.3 | 153 | 154 | 157 | 162.8 | 160 | 161 | 164 | 169.7 |
| | 1100 | MBh | 25.3 | 25.7 | 26.4 | 27.5 | 25.1 | 25.5 | 26.2 | 27.3 | 24.5 | 24.8 | 25.5 | 26.6 | 23.4 | 23.7 | 24.5 | 25.6 | 22.1 | 22.4 | 23.1 | 24.2 | 20.9 | 21.2 | 21.9 | 23.0 |
| | | S/T | 1.00 | 0.91 | 0.77 | 0.6 | 1.00 | 0.92 | 0.78 | 0.6 | 1.00 | 1.00 | 0.81 | 0.7 | 1.00 | 1.00 | 0.83 | 0.7 | 1.00 | 1.00 | 0.85 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 23.38 | 21.67 | 18.47 | 15.1 | 23.34 | 21.62 | 18.42 | 15.1 | 23.58 | 21.86 | 18.66 | 15.3 | 23.32 | 21.60 | 18.40 | 15.1 | 23.09 | 21.37 | 18.17 | 14.9 | 24.16 | 22.45 | 19.25 | 15.9 |
| | | kW | 1.60 | 1.59 | 1.59 | 1.6 | 1.80 | 1.80 | 1.79 | 1.8 | 2.02 | 2.02 | 2.02 | 2.0 | 2.27 | 2.27 | 2.26 | 2.3 | 2.54 | 2.54 | 2.53 | 2.5 | 2.86 | 2.86 | 2.85 | 2.9 |
| | | Amps | 6.12 | 6.11 | 6.10 | 6.2 | 7.00 | 6.99 | 6.97 | 7.0 | 7.98 | 7.97 | 7.95 | 8.0 | 9.04 | 9.03 | 9.02 | 9.1 | 10.22 | 10.22 | 10.20 | 10.3 | 11.61 | 11.61 | 11.59 | 11.7 |
| | | Hi PR | 253 | 254 | 256 | 259.9 | 292 | 293 | 294 | 298.7 | 332 | 333 | 335 | 339.4 | 376 | 377 | 379 | 383.1 | 423 | 424 | 426 | 430.3 | 474 | 475 | 476 | 480.7 |
| | | Lo PR | 132 | 133 | 137 | 141.9 | 139 | 141 | 144 | 149.5 | 146 | 148 | 151 | 156.1 | 152 | 153 | 156 | 161.8 | 157 | 159 | 162 | 167.3 | 164 | 166 | 169 | 174.2 |
| 85 | 700 | MBh | 24.4 | 24.7 | 25.4 | 26.5 | 24.2 | 24.5 | 25.2 | 26.3 | 23.5 | 23.9 | 24.6 | 25.7 | 22.5 | 22.8 | 23.5 | 24.6 | 21.1 | 21.5 | 22.2 | 23.3 | 19.9 | 20.3 | 21.0 | 22.1 |
| | | S/T | 1.00 | 0.86 | 0.72 | 0.6 | 1.00 | 0.86 | 0.72 | 0.6 | 1.00 | 1.00 | 0.75 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 | 1.00 | 1.00 | 0.79 | 0.6 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 30.21 | 28.50 | 25.30 | 22.0 | 30.17 | 28.45 | 25.25 | 21.9 | 30.41 | 28.69 | 25.49 | 22.2 | 30.15 | 28.43 | 25.23 | 21.9 | 29.92 | 28.21 | 25.00 | 21.7 | 30.99 | 29.28 | 26.08 | 22.8 |
| | | kW | 1.56 | 1.56 | 1.56 | 1.6 | 1.77 | 1.76 | 1.76 | 1.8 | 1.99 | 1.99 | 1.99 | 2.0 | 2.24 | 2.23 | 2.23 | 2.2 | 2.51 | 2.51 | 2.50 | 2.5 | 2.83 | 2.83 | 2.82 | 2.8 |
| | | Amps | 5.98 | 5.98 | 5.96 | 6.0 | 6.86 | 6.85 | 6.84 | 6.9 | 7.84 | 7.83 | 7.82 | 7.9 | 8.90 | 8.90 | 8.88 | 8.9 | 10.09 | 10.08 | 10.07 | 10.1 | 11.48 | 11.47 | 11.46 | 11.5 |
| | | Hi PR | 246 | 247 | 249 | 253.4 | 285 | 286 | 288 | 292.2 | 326 | 327 | 329 | 332.9 | 370 | 371 | 372 | 376.6 | 417 | 418 | 420 | 423.8 | 467 | 468 | 470 | 474.2 |
| | | Lo PR | 126 | 128 | 131 | 136.4 | 134 | 135 | 139 | 144.0 | 141 | 142 | 145 | 150.6 | 146 | 148 | 151 | 156.3 | 152 | 153 | 156 | 161.8 | 159 | 160 | 163 | 168.7 |
| | 875 | MBh | 24.9 | 25.2 | 25.9 | 27.0 | 24.7 | 25.0 | 25.7 | 26.8 | 24.0 | 24.4 | 25.1 | 26.2 | 22.9 | 23.3 | 24.0 | 25.1 | 21.6 | 22.0 | 22.7 | 23.8 | 20.4 | 20.8 | 21.5 | 22.6 |
| | | S/T | 1.00 | 0.97 | 0.83 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 28.44 | 26.72 | 23.52 | 20.2 | 28.39 | 26.68 | 23.47 | 20.2 | 28.63 | 26.92 | 23.71 | 20.4 | 28.37 | 26.66 | 23.46 | 20.1 | 28.14 | 26.43 | 23.23 | 19.9 | 29.22 | 27.50 | 24.30 | 21.0 |
| | | kW | 1.58 | 1.58 | 1.58 | 1.6 | 1.78 | 1.78 | 1.78 | 1.8 | 2.01 | 2.01 | 2.00 | 2.0 | 2.25 | 2.25 | 2.25 | 2.3 | 2.53 | 2.52 | 2.52 | 2.5 | 2.85 | 2.84 | 2.84 | 2.9 |
| | | Amps | 6.06 | 6.05 | 6.04 | 6.1 | 6.94 | 6.93 | 6.92 | 7.0 | 7.92 | 7.91 | 7.90 | 8.0 | 8.98 | 8.97 | 8.96 | 9.0 | 10.17 | 10.16 | 10.14 | 10.2 | 11.56 | 11.55 | 11.54 | 11.6 |
| | | Hi PR | 250 | 251 | 253 | 256.9 | 289 | 290 | 291 | 295.7 | 329 | 330 | 332 | 336.3 | 373 | 374 | 376 | 380.1 | 420 | 421 | 423 | 427.3 | 471 | 472 | 473 | 477.6 |
| | | Lo PR | 129 | 131 | 134 | 139.3 | 137 | 138 | 142 | 146.9 | 143 | 145 | 148 | 153.5 | 149 | 151 | 154 | 159.1 | 155 | 156 | 159 | 164.7 | 162 | 163 | 166 | 171.6 |
| | 1100 | MBh | 25.7 | 26.1 | 26.8 | 27.9 | 25.5 | 25.9 | 26.6 | 27.7 | 24.9 | 25.2 | 25.9 | 27.0 | 23.8 | 24.1 | 24.9 | 26.0 | 22.5 | 22.8 | 23.5 | 24.6 | 21.3 | 21.6 | 22.3 | 23.4 |
| | | S/T | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 0.91 | 0.8 | 1.00 | 1.00 | 0.93 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.9 |
| | | ΔT | 26.75 | 25.03 | 21.83 | 18.5 | 26.70 | 24.99 | 21.79 | 18.5 | 26.94 | 25.23 | 22.03 | 18.7 | 26.68 | 24.97 | 21.77 | 18.5 | 26.46 | 24.74 | 21.54 | 18.2 | 27.53 | 25.81 | 22.61 | 19.3 |
| | | kW | 1.60 | 1.60 | 1.59 | 1.6 | 1.80 | 1.80 | 1.80 | 1.8 | 2.03 | 2.02 | 2.02 | 2.0 | 2.27 | 2.27 | 2.27 | 2.3 | 2.54 | 2.54 | 2.54 | 2.6 | 2.86 | 2.86 | 2.86 | 2.9 |
| | | Amps | 6.13 | 6.13 | 6.11 | 6.2 | 7.01 | 7.01 | 6.99 | 7.1 | 7.99 | 7.99 | 7.97 | 8.0 | 9.05 | 9.05 | 9.03 | 9.1 | 10.24 | 10.23 | 10.22 | 10.3 | 11.63 | 11.62 | 11.61 | 11.7 |
| | | Hi PR | 254 | 255 | 257 | 261.1 | 293 | 294 | 296 | 299.9 | 333 | 335 | 336 | 340.5 | 377 | 378 | 380 | 384.3 | 424 | 425 | 427 | 431.5 | 475 | 476 | 478 | 481.9 |
| | | Lo PR | 134 | 135 | 138 | 143.8 | 141 | 143 | 146 | 151.4 | 148 | 150 | 153 | 158.0 | 154 | 155 | 158 | 163.6 | 159 | 161 | 164 | 169.2 | 166 | 168 | 171 | 176.1 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 800 | MBh | 27.2 | 27.6 | 28.4 | - | 26.9 | 27.3 | 28.2 | - | 26.2 | 26.6 | 27.4 | - | 25.0 | 25.4 | 26.2 | - | 23.5 | 23.9 | 24.7 | - | 22.1 | 22.5 | 23.3 | - |
| | | S/T | 0.54 | 0.47 | 0.32 | - | 0.55 | 0.47 | 0.33 | - | 0.58 | 0.50 | 0.36 | - | 1.00 | 0.52 | 0.38 | - | 1.00 | 0.54 | 0.40 | - | 1.00 | 0.60 | 0.45 | - |
| | | ΔT | 18.72 | 17.09 | 14.05 | - | 18.68 | 17.05 | 14.01 | - | 18.90 | 17.28 | 14.23 | - | 18.66 | 17.03 | 13.99 | - | 18.44 | 16.81 | 13.77 | - | 19.46 | 17.83 | 14.79 | - |
| | | kW | 1.78 | 1.78 | 1.78 | - | 2.01 | 2.01 | 2.01 | - | 2.27 | 2.27 | 2.26 | - | 2.55 | 2.55 | 2.54 | - | 2.86 | 2.86 | 2.85 | - | 3.22 | 3.22 | 3.22 | - |
| | | Amps | 6.68 | 6.67 | 6.65 | - | 7.68 | 7.67 | 7.65 | - | 8.79 | 8.79 | 8.77 | - | 10.00 | 9.99 | 9.98 | - | 11.35 | 11.35 | 11.33 | - | 12.94 | 12.93 | 12.91 | - |
| | | Hi PR | 252 | 253 | 255 | - | 292 | 293 | 295 | - | 334 | 335 | 337 | - | 379 | 380 | 382 | - | 428 | 429 | 431 | - | 480 | 481 | 483 | - |
| | | Lo PR | 124 | 125 | 128 | - | 131 | 133 | 136 | - | 138 | 139 | 143 | - | 143 | 145 | 148 | - | 149 | 150 | 154 | - | 156 | 157 | 161 | - |
| | 1050 | MBh | 27.8 | 28.2 | 29.0 | - | 27.6 | 28.0 | 28.8 | - | 26.9 | 27.3 | 28.1 | - | 25.6 | 26.0 | 26.8 | - | 24.1 | 24.5 | 25.3 | - | 22.7 | 23.1 | 24.0 | - |
| | | S/T | 0.69 | 0.61 | 0.47 | - | 0.70 | 0.62 | 0.48 | - | 0.73 | 0.65 | 0.51 | - | 1.00 | 0.67 | 0.53 | - | 1.00 | 0.69 | 0.55 | - | 1.00 | 0.74 | 0.60 | - |
| | | ΔT | 16.63 | 15.00 | 11.96 | - | 16.59 | 14.96 | 11.91 | - | 16.81 | 15.18 | 12.14 | - | 16.57 | 14.94 | 11.90 | - | 16.35 | 14.72 | 11.68 | - | 17.37 | 15.74 | 12.70 | - |
| | | kW | 1.81 | 1.81 | 1.80 | - | 2.04 | 2.04 | 2.03 | - | 2.30 | 2.29 | 2.29 | - | 2.57 | 2.57 | 2.57 | - | 2.88 | 2.88 | 2.88 | - | 3.25 | 3.25 | 3.24 | - |
| | | Amps | 6.79 | 6.78 | 6.76 | - | 7.79 | 7.78 | 7.76 | - | 8.90 | 8.90 | 8.88 | - | 10.11 | 10.11 | 10.09 | - | 11.46 | 11.46 | 11.44 | - | 13.05 | 13.04 | 13.02 | - |
| | | Hi PR | 256 | 257 | 259 | - | 296 | 297 | 299 | - | 338 | 339 | 341 | - | 383 | 384 | 386 | - | 432 | 433 | 435 | - | 484 | 485 | 487 | - |
| | | Lo PR | 127 | 128 | 132 | - | 135 | 136 | 139 | - | 141 | 143 | 146 | - | 147 | 148 | 152 | - | 152 | 154 | 157 | - | 159 | 161 | 164 | - |
| | 1300 | MBh | 28.7 | 29.1 | 29.9 | - | 28.5 | 28.9 | 29.7 | - | 27.8 | 28.2 | 29.0 | - | 26.5 | 26.9 | 27.7 | - | 25.0 | 25.4 | 26.2 | - | 23.6 | 24.0 | 24.9 | - |
| | | S/T | 0.74 | 0.66 | 0.52 | - | 0.75 | 0.67 | 0.53 | - | 1.00 | 0.69 | 0.55 | - | 1.00 | 0.71 | 0.57 | - | 1.00 | 0.74 | 0.60 | - | 1.00 | 1.00 | 0.65 | - |
| | | ΔT | 15.13 | 13.50 | 10.46 | - | 15.09 | 13.46 | 10.42 | - | 15.32 | 13.69 | 10.65 | - | 15.07 | 13.44 | 10.40 | - | 14.85 | 13.23 | 10.18 | - | 15.87 | 14.25 | 11.20 | - |
| | | kW | 1.83 | 1.83 | 1.82 | - | 2.06 | 2.06 | 2.05 | - | 2.31 | 2.31 | 2.31 | - | 2.59 | 2.59 | 2.59 | - | 2.90 | 2.90 | 2.90 | - | 3.27 | 3.27 | 3.26 | - |
| | | Amps | 6.87 | 6.86 | 6.84 | - | 7.87 | 7.86 | 7.84 | - | 8.98 | 8.97 | 8.96 | - | 10.19 | 10.18 | 10.17 | - | 11.54 | 11.53 | 11.52 | - | 13.13 | 13.12 | 13.10 | - |
| | | Hi PR | 260 | 261 | 263 | - | 300 | 301 | 303 | - | 342 | 343 | 345 | - | 387 | 388 | 390 | - | 436 | 437 | 439 | - | 488 | 489 | 491 | - |
| | | Lo PR | 131 | 133 | 136 | - | 139 | 140 | 143 | - | 145 | 147 | 150 | - | 151 | 153 | 156 | - | 156 | 158 | 161 | - | 163 | 165 | 168 | - |
| 75 | 800 | MBh | 27.2 | 27.6 | 28.4 | 29.7 | 27.0 | 27.3 | 28.2 | 29.4 | 26.2 | 26.6 | 27.5 | 28.7 | 25.0 | 25.4 | 26.2 | 27.5 | 23.5 | 23.9 | 24.7 | 26.0 | 22.1 | 22.5 | 23.3 | 24.6 |
| | | S/T | 0.68 | 0.60 | 0.46 | 0.3 | 0.69 | 0.61 | 0.47 | 0.3 | 1.00 | 0.63 | 0.49 | 0.3 | 1.00 | 0.65 | 0.51 | 0.4 | 1.00 | 0.68 | 0.53 | 0.4 | 1.00 | 1.00 | 0.59 | 0.4 |
| | | ΔT | 22.30 | 20.67 | 17.63 | 14.5 | 22.26 | 20.63 | 17.59 | 14.4 | 22.49 | 20.86 | 17.82 | 14.7 | 22.24 | 20.61 | 17.57 | 14.4 | 22.02 | 20.39 | 17.35 | 14.2 | 23.04 | 21.41 | 18.37 | 15.2 |
| | | kW | 1.78 | 1.78 | 1.78 | 1.8 | 2.01 | 2.01 | 2.01 | 2.0 | 2.27 | 2.27 | 2.26 | 2.3 | 2.55 | 2.55 | 2.54 | 2.6 | 2.86 | 2.86 | 2.85 | 2.9 | 3.22 | 3.22 | 3.22 | 3.2 |
| | | Amps | 6.67 | 6.66 | 6.64 | 6.7 | 7.67 | 7.66 | 7.65 | 7.7 | 8.79 | 8.78 | 8.76 | 8.8 | 10.00 | 9.99 | 9.97 | 10.0 | 11.35 | 11.34 | 11.32 | 11.4 | 12.93 | 12.92 | 12.91 | 13.0 |
| | | Hi PR | 252 | 253 | 255 | 259.3 | 292 | 293 | 295 | 299.4 | 334 | 335 | 337 | 341.4 | 379 | 380 | 382 | 386.6 | 428 | 429 | 431 | 435.3 | 480 | 481 | 483 | 487.3 |
| | | Lo PR | 124 | 125 | 128 | 133.6 | 131 | 133 | 136 | 141.2 | 138 | 139 | 143 | 147.9 | 143 | 145 | 148 | 153.5 | 149 | 151 | 154 | 159.0 | 156 | 157 | 161 | 166.0 |
| | 1050 | MBh | 27.8 | 28.2 | 29.1 | 30.3 | 27.6 | 28.0 | 28.8 | 30.1 | 26.9 | 27.3 | 28.1 | 29.3 | 25.6 | **26.0** | 26.9 | 28.1 | 24.1 | 24.5 | 25.3 | 26.6 | 22.8 | 23.2 | 24.0 | 25.2 |
| | | S/T | 0.83 | 0.75 | 0.61 | 0.5 | 1.00 | 0.75 | 0.61 | 0.5 | 1.00 | 0.78 | 0.64 | 0.5 | 1.00 | **0.80** | 0.66 | 0.5 | 1.00 | 0.82 | 0.68 | 0.5 | 1.00 | 1.00 | 0.74 | 0.6 |
| | | ΔT | 20.21 | 18.58 | 15.54 | 12.4 | 20.17 | 18.54 | 15.50 | 12.3 | 20.40 | 18.77 | 15.73 | 12.6 | 20.15 | **18.52** | 15.48 | 12.3 | 19.93 | 18.30 | 15.26 | 12.1 | 20.95 | 19.32 | 16.28 | 13.1 |
| | | kW | 1.81 | 1.81 | 1.80 | 1.8 | 2.04 | 2.04 | 2.03 | 2.0 | 2.29 | 2.29 | 2.29 | 2.3 | 2.57 | **2.57** | 2.57 | 2.6 | 2.88 | 2.88 | 2.88 | 2.9 | 3.25 | 3.25 | 3.24 | 3.3 |
| | | Amps | 6.78 | 6.77 | 6.76 | 6.8 | 7.78 | 7.77 | 7.76 | 7.8 | 8.90 | 8.89 | 8.87 | 8.9 | 10.11 | **10.10** | 10.08 | 10.2 | 11.46 | 11.45 | 11.43 | 11.5 | 13.04 | 13.03 | 13.02 | 13.1 |
| | | Hi PR | 256 | 257 | 259 | 263.6 | 296 | 297 | 299 | 303.7 | 338 | 339 | 341 | 345.7 | 384 | **385** | 386 | 390.9 | 432 | 433 | 435 | 439.6 | 484 | 485 | 487 | 491.6 |
| | | Lo PR | 127 | 129 | 132 | 137.0 | 135 | 136 | 139 | 144.6 | 141 | 143 | 146 | 151.3 | 147 | **148** | 152 | 156.9 | 152 | 154 | 157 | 162.5 | 159 | 161 | 164 | 169.4 |
| | 1300 | MBh | 28.7 | 29.1 | 30.0 | 31.2 | 28.5 | 28.9 | 29.7 | 31.0 | 27.8 | 28.2 | 29.0 | 30.2 | 26.5 | 26.9 | 27.8 | 29.0 | 25.0 | 25.4 | 26.2 | 27.5 | 23.7 | 24.1 | 24.9 | 26.1 |
| | | S/T | 0.87 | 0.79 | 0.65 | 0.5 | 1.00 | 0.80 | 0.66 | 0.5 | 1.00 | 0.83 | 0.69 | 0.5 | 1.00 | 0.85 | 0.71 | 0.6 | 1.00 | 1.00 | 0.73 | 0.6 | 1.00 | 1.00 | 0.78 | 0.6 |
| | | ΔT | 18.72 | 17.09 | 14.04 | 10.9 | 18.67 | 17.04 | 14.00 | 10.8 | 18.90 | 17.27 | 14.23 | 11.1 | 18.65 | 17.02 | 13.98 | 10.8 | 18.44 | 16.81 | 13.77 | 10.6 | 19.46 | 17.83 | 14.79 | 11.6 |
| | | kW | 1.83 | 1.82 | 1.82 | 1.8 | 2.06 | 2.05 | 2.05 | 2.1 | 2.31 | 2.31 | 2.31 | 2.3 | 2.59 | 2.59 | 2.58 | 2.6 | 2.90 | 2.90 | 2.90 | 2.9 | 3.27 | 3.26 | 3.26 | 3.3 |
| | | Amps | 6.86 | 6.85 | 6.83 | 6.9 | 7.86 | 7.85 | 7.83 | 7.9 | 8.98 | 8.97 | 8.95 | 9.0 | 10.18 | 10.18 | 10.16 | 10.2 | 11.54 | 11.53 | 11.51 | 11.6 | 13.12 | 13.11 | 13.09 | 13.2 |
| | | Hi PR | 260 | 261 | 263 | 267.7 | 300 | 302 | 303 | 307.7 | 342 | 343 | 345 | 349.7 | 388 | 389 | 390 | 394.9 | 436 | 437 | 439 | 443.6 | 488 | 489 | 491 | 495.7 |
| | | Lo PR | 131 | 133 | 136 | 141.1 | 139 | 140 | 143 | 148.8 | 145 | 147 | 150 | 155.4 | 151 | 153 | 156 | 161.1 | 157 | 158 | 161 | 166.6 | 163 | 165 | 168 | 173.5 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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.

| | | | Outdoor Ambient Temperature | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65ºF | | | | 75ºF | | | | 85ºF | | | | 95ºF | | | | 105ºF | | | | 115ºF | | | |
| | | | 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 |
| 80 | 800 | MBh | 27.3 | 27.7 | 28.6 | 29.8 | 27.1 | 27.5 | 28.3 | 29.6 | 26.4 | 26.8 | 27.6 | 28.8 | 25.2 | 25.5 | 26.4 | 27.6 | 23.6 | 24.0 | 24.9 | 26.1 | 22.3 | 22.7 | 23.5 | 24.7 |
| | | S/T | 1.00 | 0.73 | 0.59 | 0.4 | 1.00 | 0.74 | 0.60 | 0.4 | 1.00 | 0.76 | 0.62 | 0.5 | 1.00 | 1.00 | 0.64 | 0.5 | 1.00 | 1.00 | 0.67 | 0.5 | 1.00 | 1.00 | 0.72 | 0.6 |
| | | ΔT | 25.91 | 24.28 | 21.24 | 18.1 | 25.86 | 24.23 | 21.19 | 18.0 | 26.09 | 24.46 | 21.42 | 18.3 | 25.85 | 24.22 | 21.18 | 18.0 | 25.63 | 24.00 | 20.96 | 17.8 | 26.65 | 25.02 | 21.98 | 18.8 |
| | | kW | 1.78 | 1.78 | 1.78 | 1.8 | 2.01 | 2.01 | 2.01 | 2.0 | 2.27 | 2.27 | 2.26 | 2.3 | 2.55 | 2.55 | 2.54 | 2.6 | 2.86 | 2.86 | 2.85 | 2.9 | 3.22 | 3.22 | 3.22 | 3.2 |
| | | Amps | 6.68 | 6.67 | 6.65 | 6.7 | 7.68 | 7.67 | 7.65 | 7.7 | 8.79 | 8.78 | 8.77 | 8.8 | 10.00 | 9.99 | 9.98 | 10.1 | 11.35 | 11.34 | 11.33 | 11.4 | 12.94 | 12.93 | 12.91 | 13.0 |
| | | Hi PR | 252 | 254 | 255 | 259.8 | 293 | 294 | 295 | 299.9 | 335 | 336 | 337 | 341.8 | 380 | 381 | 383 | 387.0 | 428 | 430 | 431 | 435.8 | 480 | 482 | 483 | 487.8 |
| | | Lo PR | 124 | 126 | 129 | 134.1 | 132 | 133 | 136 | 141.8 | 138 | 140 | 143 | 148.4 | 144 | 146 | 149 | 154.1 | 150 | 151 | 154 | 159.6 | 156 | 158 | 161 | 166.5 |
| | 1050 | MBh | 28.0 | 28.4 | 29.2 | 30.5 | 27.7 | 28.1 | 29.0 | 30.2 | 27.0 | 27.4 | 28.2 | 29.5 | 25.8 | 26.2 | **27.0** | 28.3 | 24.3 | 24.7 | 25.5 | 26.7 | 22.9 | 23.3 | 24.1 | 25.4 |
| | | S/T | 1.00 | 0.88 | 0.74 | 0.6 | 1.00 | 0.89 | 0.74 | 0.6 | 1.00 | 0.91 | 0.77 | 0.6 | 1.00 | 1.00 | **0.79** | 0.6 | 1.00 | 1.00 | 0.81 | 0.7 | 1.00 | 1.00 | 0.87 | 0.7 |
| | | ΔT | 23.82 | 22.19 | 19.15 | 16.0 | 23.77 | 22.14 | 19.10 | 16.0 | 24.00 | 22.37 | 19.33 | 16.2 | 23.76 | 22.13 | **19.09** | 15.9 | 23.54 | 21.91 | 18.87 | 15.7 | 24.56 | 22.93 | 19.89 | 16.7 |
| | | kW | 1.81 | 1.81 | 1.80 | 1.8 | 2.04 | 2.04 | 2.03 | 2.1 | 2.30 | 2.29 | 2.29 | 2.3 | 2.57 | 2.57 | **2.57** | 2.6 | 2.88 | 2.88 | 2.88 | 2.9 | 3.25 | 3.25 | 3.24 | 3.3 |
| | | Amps | 6.79 | 6.78 | 6.76 | 6.8 | 7.79 | 7.78 | 7.76 | 7.8 | 8.90 | 8.90 | 8.88 | 9.0 | 10.11 | 10.10 | **10.09** | 10.2 | 11.46 | 11.45 | 11.44 | 11.5 | 13.05 | 13.04 | 13.02 | 13.1 |
| | | Hi PR | 257 | 258 | 260 | 264.1 | 297 | 298 | 300 | 304.2 | 339 | 340 | 342 | 346.1 | 384 | 385 | **387** | 391.3 | 433 | 434 | 436 | 440.1 | 485 | 486 | 488 | 492.1 |
| | | Lo PR | 128 | 129 | 132 | 137.6 | 135 | 137 | 140 | 145.2 | 142 | 143 | 147 | 151.9 | 147 | 149 | **152** | 157.5 | 153 | 155 | 158 | 163.0 | 160 | 161 | 165 | 169.9 |
| | 1300 | MBh | 28.9 | 29.3 | 30.1 | 31.4 | 28.6 | 29.0 | 29.9 | 31.1 | 27.9 | 28.3 | 29.1 | 30.4 | 26.7 | 27.1 | 27.9 | 29.2 | 25.2 | 25.6 | 26.4 | 27.6 | 23.8 | 24.2 | 25.0 | 26.3 |
| | | S/T | 1.00 | 0.93 | 0.78 | 0.6 | 1.00 | 0.93 | 0.79 | 0.6 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 22.32 | 20.69 | 17.65 | 14.5 | 22.28 | 20.65 | 17.61 | 14.5 | 22.51 | 20.88 | 17.84 | 14.7 | 22.26 | 20.63 | 17.59 | 14.4 | 22.04 | 20.41 | 17.37 | 14.2 | 23.06 | 21.43 | 18.39 | 15.2 |
| | | kW | 1.83 | 1.82 | 1.82 | 1.8 | 2.06 | 2.06 | 2.05 | 2.1 | 2.31 | 2.31 | 2.31 | 2.3 | 2.59 | 2.59 | 2.59 | 2.6 | 2.90 | 2.90 | 2.90 | 2.9 | 3.27 | 3.26 | 3.26 | 3.3 |
| | | Amps | 6.86 | 6.86 | 6.84 | 6.9 | 7.86 | 7.86 | 7.84 | 7.9 | 8.98 | 8.97 | 8.96 | 9.0 | 10.19 | 10.18 | 10.17 | 10.2 | 11.54 | 11.53 | 11.52 | 11.6 | 13.12 | 13.12 | 13.10 | 13.2 |
| | | Hi PR | 261 | 262 | 264 | 268.1 | 301 | 302 | 304 | 308.2 | 343 | 344 | 346 | 350.2 | 388 | 389 | 391 | 395.4 | 437 | 438 | 440 | 444.1 | 489 | 490 | 492 | 496.1 |
| | | Lo PR | 132 | 133 | 136 | 141.7 | 139 | 141 | 144 | 149.3 | 146 | 147 | 151 | 156.0 | 152 | 153 | 156 | 161.6 | 157 | 159 | 162 | 167.1 | 164 | 166 | 169 | 174.1 |
| 85 | 800 | MBh | 27.8 | 28.2 | 29.0 | 30.3 | 27.6 | 28.0 | 28.8 | 30.0 | 26.8 | 27.2 | 28.1 | 29.3 | 25.6 | 26.0 | 26.8 | 28.1 | 24.1 | 24.5 | 25.3 | 26.6 | 22.7 | 23.1 | 23.9 | 25.2 |
| | | S/T | 1.00 | 0.84 | 0.69 | 0.5 | 1.00 | 0.84 | 0.70 | 0.6 | 1.00 | 1.00 | 0.73 | 0.6 | 1.00 | 1.00 | 0.75 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 29.11 | 27.48 | 24.44 | 21.3 | 29.06 | 27.43 | 24.39 | 21.2 | 29.29 | 27.66 | 24.62 | 21.5 | 29.04 | 27.42 | 24.37 | 21.2 | 28.83 | 27.20 | 24.16 | 21.0 | 29.85 | 28.22 | 25.18 | 22.0 |
| | | kW | 1.79 | 1.79 | 1.78 | 1.8 | 2.02 | 2.02 | 2.01 | 2.0 | 2.27 | 2.27 | 2.27 | 2.3 | 2.55 | 2.55 | 2.55 | 2.6 | 2.86 | 2.86 | 2.86 | 2.9 | 3.23 | 3.23 | 3.22 | 3.2 |
| | | Amps | 6.69 | 6.69 | 6.67 | 6.7 | 7.69 | 7.69 | 7.67 | 7.7 | 8.81 | 8.80 | 8.79 | 8.9 | 10.02 | 10.01 | 10.00 | 10.1 | 11.37 | 11.36 | 11.35 | 11.4 | 12.96 | 12.95 | 12.93 | 13.0 |
| | | Hi PR | 254 | 255 | 257 | 261.0 | 294 | 295 | 297 | 301.0 | 336 | 337 | 339 | 343.0 | 381 | 382 | 384 | 388.2 | 430 | 431 | 433 | 437.0 | 482 | 483 | 485 | 489.0 |
| | | Lo PR | 126 | 128 | 131 | 136.0 | 134 | 135 | 138 | 143.6 | 140 | 142 | 145 | 150.3 | 146 | 147 | 151 | 155.9 | 151 | 153 | 156 | 161.5 | 158 | 160 | 163 | 168.4 |
| | 1050 | MBh | 28.5 | 28.8 | 29.7 | 30.9 | 28.2 | 28.6 | 29.4 | 30.7 | 27.5 | 27.9 | 28.7 | 30.0 | 26.3 | 26.6 | 27.5 | 28.7 | 24.7 | 25.1 | 26.0 | 27.2 | 23.4 | 23.8 | 24.6 | 25.8 |
| | | S/T | 1.00 | 0.98 | 0.84 | 0.7 | 1.00 | 1.00 | 0.85 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 0.90 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 27.02 | 25.39 | 22.34 | 19.2 | 26.97 | 25.34 | 22.30 | 19.1 | 27.20 | 25.57 | 22.53 | 19.4 | 26.95 | 25.32 | 22.28 | 19.1 | 26.74 | 25.11 | 22.07 | 18.9 | 27.76 | 26.13 | 23.09 | 19.9 |
| | | kW | 1.81 | 1.81 | 1.81 | 1.8 | 2.04 | 2.04 | 2.04 | 2.1 | 2.30 | 2.30 | 2.29 | 2.3 | 2.58 | 2.58 | 2.57 | 2.6 | 2.89 | 2.89 | 2.88 | 2.9 | 3.25 | 3.25 | 3.25 | 3.3 |
| | | Amps | 6.80 | 6.80 | 6.78 | 6.9 | 7.81 | 7.80 | 7.78 | 7.9 | 8.92 | 8.91 | 8.90 | 9.0 | 10.13 | 10.12 | 10.11 | 10.2 | 11.48 | 11.47 | 11.46 | 11.5 | 13.07 | 13.06 | 13.04 | 13.1 |
| | | Hi PR | 258 | 259 | 261 | 265.3 | 298 | 299 | 301 | 305.4 | 340 | 341 | 343 | 347.3 | 385 | 386 | 388 | 392.5 | 434 | 435 | 437 | 441.3 | 486 | 487 | 489 | 493.3 |
| | | Lo PR | 129 | 131 | 134 | 139.4 | 137 | 139 | 142 | 147.1 | 144 | 145 | 148 | 153.7 | 149 | 151 | 154 | 159.4 | 155 | 156 | 160 | 164.9 | 162 | 163 | 166 | 171.8 |
| | 1300 | MBh | 29.4 | 29.7 | 30.6 | 31.8 | 29.1 | 29.5 | 30.3 | 31.6 | 28.4 | 28.8 | 29.6 | 30.9 | 27.2 | 27.5 | 28.4 | 29.6 | 25.6 | 26.0 | 26.9 | 28.1 | 24.3 | 24.7 | 25.5 | 26.7 |
| | | S/T | 1.00 | 1.00 | 0.89 | 0.7 | 1.00 | 1.00 | 0.90 | 0.7 | 1.00 | 1.00 | 0.92 | 0.8 | 1.00 | 1.00 | 0.94 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.9 |
| | | ΔT | 25.52 | 23.89 | 20.85 | 17.7 | 25.47 | 23.85 | 20.80 | 17.7 | 25.70 | 24.07 | 21.03 | 17.9 | 25.46 | 23.83 | 20.79 | 17.6 | 25.24 | 23.61 | 20.57 | 17.4 | 26.26 | 24.63 | 21.59 | 18.4 |
| | | kW | 1.83 | 1.83 | 1.83 | 1.8 | 2.06 | 2.06 | 2.06 | 2.1 | 2.32 | 2.32 | 2.31 | 2.3 | 2.60 | 2.59 | 2.59 | 2.6 | 2.91 | 2.90 | 2.90 | 2.9 | 3.27 | 3.27 | 3.27 | 3.3 |
| | | Amps | 6.88 | 6.88 | 6.86 | 6.9 | 7.88 | 7.88 | 7.86 | 7.9 | 9.00 | 8.99 | 8.98 | 9.1 | 10.21 | 10.20 | 10.18 | 10.3 | 11.56 | 11.55 | 11.53 | 11.6 | 13.14 | 13.14 | 13.12 | 13.2 |
| | | Hi PR | 262 | 263 | 265 | 269.3 | 302 | 303 | 305 | 309.4 | 344 | 345 | 347 | 351.4 | 389 | 390 | 392 | 396.6 | 438 | 439 | 441 | 445.3 | 490 | 491 | 493 | 497.3 |
| | | Lo PR | 134 | 135 | 138 | 143.6 | 141 | 143 | 146 | 151.2 | 148 | 149 | 153 | 157.8 | 153 | 155 | 158 | 163.5 | 159 | 161 | 164 | 169.0 | 166 | 167 | 171 | 175.9 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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.

| IDB | AIRFLOW | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 1050 | MBh | 35.4 | 35.9 | 37.0 | - | 35.1 | 35.6 | 36.6 | - | 34.2 | 34.7 | 35.7 | - | 32.6 | 33.1 | 34.1 | - | 30.6 | 31.1 | 32.2 | - | 28.9 | 29.4 | 30.4 | - |
| | | S/T | 0.62 | 0.55 | 0.41 | - | 0.63 | 0.55 | 0.41 | - | 0.66 | 0.58 | 0.44 | - | 1.00 | 0.60 | 0.46 | - | 1.00 | 0.62 | 0.48 | - | 1.00 | 0.67 | 0.53 | - |
| | | ΔT | 19.20 | 17.43 | 14.11 | - | 19.15 | 17.38 | 14.06 | - | 19.40 | 17.63 | 14.31 | - | 19.14 | 17.36 | 14.04 | - | 18.90 | 17.12 | 13.81 | - | 20.01 | 18.24 | 14.92 | - |
| | | kW | 2.21 | 2.20 | 2.20 | - | 2.48 | 2.48 | 2.48 | - | 2.79 | 2.79 | 2.78 | - | 3.12 | 3.12 | 3.12 | - | 3.50 | 3.50 | 3.49 | - | 3.94 | 3.93 | 3.93 | - |
| | | Amps | 8.85 | 8.84 | 8.82 | - | 10.12 | 10.11 | 10.08 | - | 11.53 | 11.52 | 11.50 | - | 13.06 | 13.05 | 13.03 | - | 14.77 | 14.76 | 14.73 | - | 16.77 | 16.76 | 16.74 | - |
| | | Hi PR | 250 | 251 | 253 | - | 289 | 290 | 292 | - | 331 | 332 | 334 | - | 375 | 376 | 378 | - | 423 | 424 | 426 | - | 474 | 475 | 477 | - |
| | | Lo PR | 126 | 127 | 130 | - | 133 | 135 | 138 | - | 140 | 141 | 145 | - | 146 | 147 | 150 | - | 151 | 153 | 156 | - | 158 | 160 | 163 | - |
| | 1200 | MBh | 35.9 | 36.4 | 37.4 | - | 35.6 | 36.1 | 37.1 | - | 34.6 | 35.1 | 36.2 | - | 33.0 | 33.5 | 34.6 | - | 31.1 | 31.6 | 32.7 | - | 29.3 | 29.8 | 30.9 | - |
| | | S/T | 0.69 | 0.61 | 0.47 | - | 0.69 | 0.61 | 0.47 | - | 0.72 | 0.64 | 0.50 | - | 1.00 | 0.66 | 0.52 | - | 1.00 | 0.68 | 0.54 | - | 1.00 | 0.73 | 0.60 | - |
| | | ΔT | 18.13 | 16.35 | 13.04 | - | 18.08 | 16.31 | 12.99 | - | 18.33 | 16.56 | 13.24 | - | 18.06 | 16.29 | 12.97 | - | 17.83 | 16.05 | 12.73 | - | 18.94 | 17.16 | 13.85 | - |
| | | kW | 2.22 | 2.22 | 2.21 | - | 2.50 | 2.49 | 2.49 | - | 2.81 | 2.80 | 2.80 | - | 3.14 | 3.14 | 3.13 | - | 3.51 | 3.51 | 3.51 | - | 3.95 | 3.95 | 3.94 | - |
| | | Amps | 8.92 | 8.91 | 8.88 | - | 10.18 | 10.17 | 10.15 | - | 11.59 | 11.58 | 11.56 | - | 13.12 | 13.11 | 13.09 | - | 14.83 | 14.82 | 14.80 | - | 16.83 | 16.82 | 16.80 | - |
| | | Hi PR | 252 | 253 | 255 | - | 292 | 293 | 294 | - | 333 | 334 | 336 | - | 377 | 378 | 380 | - | 425 | 426 | 428 | - | 477 | 478 | 479 | - |
| | | Lo PR | 127 | 129 | 132 | - | 135 | 137 | 140 | - | 142 | 143 | 147 | - | 147 | 149 | 152 | - | 153 | 155 | 158 | - | 160 | 161 | 165 | - |
| | 1350 | MBh | 36.4 | 36.9 | 38.0 | - | 36.1 | 36.6 | 37.7 | - | 35.2 | 35.7 | 36.7 | - | 33.6 | 34.1 | 35.2 | - | 31.7 | 32.2 | 33.2 | - | 29.9 | 30.4 | 31.4 | - |
| | | S/T | 0.72 | 0.64 | 0.50 | - | 0.73 | 0.65 | 0.51 | - | 1.00 | 0.67 | 0.53 | - | 1.00 | 0.69 | 0.55 | - | 1.00 | 0.72 | 0.58 | - | 1.00 | 1.00 | 0.63 | - |
| | | ΔT | 17.23 | 15.45 | 12.14 | - | 17.18 | 15.40 | 12.09 | - | 17.43 | 15.65 | 12.34 | - | 17.16 | 15.38 | 12.07 | - | 16.92 | 15.15 | 11.83 | - | 18.04 | 16.26 | 12.94 | - |
| | | kW | 2.23 | 2.23 | 2.23 | - | 2.51 | 2.51 | 2.50 | - | 2.82 | 2.82 | 2.81 | - | 3.15 | 3.15 | 3.14 | - | 3.52 | 3.52 | 3.52 | - | 3.96 | 3.96 | 3.96 | - |
| | | Amps | 8.97 | 8.96 | 8.94 | - | 10.24 | 10.23 | 10.20 | - | 11.65 | 11.64 | 11.62 | - | 13.18 | 13.17 | 13.15 | - | 14.89 | 14.88 | 14.85 | - | 16.89 | 16.88 | 16.86 | - |
| | | Hi PR | 254 | 255 | 257 | - | 294 | 295 | 296 | - | 335 | 336 | 338 | - | 379 | 380 | 382 | - | 427 | 428 | 430 | - | 479 | 480 | 481 | - |
| | | Lo PR | 129 | 131 | 134 | - | 137 | 139 | 142 | - | 144 | 145 | 149 | - | 149 | 151 | 154 | - | 155 | 157 | 160 | - | 162 | 164 | 167 | - |
| 75 | 900 | MBh | 32.9 | 33.3 | 34.3 | 35.8 | 32.6 | 33.0 | 34.0 | 35.5 | 31.7 | 32.2 | 33.1 | 34.7 | 30.2 | 30.7 | 31.7 | 33.2 | 28.4 | 28.8 | 29.8 | 31.4 | 26.7 | 27.2 | 28.2 | 29.7 |
| | | S/T | 0.69 | 0.61 | 0.47 | 0.3 | 0.70 | 0.61 | 0.47 | 0.3 | 1.00 | 0.64 | 0.50 | 0.3 | 1.00 | 0.66 | 0.52 | 0.4 | 1.00 | 0.69 | 0.54 | 0.4 | 1.00 | 1.00 | 0.60 | 0.4 |
| | | ΔT | 23.47 | 21.75 | 18.55 | 15.2 | 23.42 | 21.70 | 18.50 | 15.2 | 23.66 | 21.95 | 18.74 | 15.4 | 23.40 | 21.69 | 18.49 | 15.2 | 23.17 | 21.46 | 18.26 | 14.9 | 24.25 | 22.53 | 19.33 | 16.0 |
| | | kW | 2.17 | 2.16 | 2.16 | 2.2 | 2.44 | 2.44 | 2.43 | 2.5 | 2.75 | 2.74 | 2.74 | 2.8 | 3.08 | 3.07 | 3.07 | 3.1 | 3.44 | 3.44 | 3.44 | 3.5 | 3.88 | 3.88 | 3.87 | 3.9 |
| | | Amps | 8.14 | 8.13 | 8.11 | 8.2 | 9.33 | 9.32 | 9.30 | 9.4 | 10.65 | 10.64 | 10.62 | 10.7 | 12.09 | 12.08 | 12.06 | 12.2 | 13.69 | 13.68 | 13.66 | 13.8 | 15.57 | 15.57 | 15.55 | 15.6 |
| | | Hi PR | 255 | 256 | 258 | 262.3 | 295 | 297 | 298 | 302.8 | 338 | 339 | 341 | 345.3 | 384 | 385 | 387 | 391.0 | 433 | 434 | 436 | 440.3 | 486 | 487 | 488 | 492.9 |
| | | Lo PR | 123 | 125 | 128 | 133.2 | 131 | 132 | 136 | 140.8 | 137 | 139 | 142 | 147.5 | 143 | 145 | 148 | 153.1 | 149 | 150 | 153 | 158.6 | 155 | 157 | 160 | 165.5 |
| | 1180 | MBh | 33.6 | 34.1 | 35.1 | 36.6 | 33.3 | 33.8 | 34.8 | 36.3 | 32.5 | 32.9 | 33.9 | 35.4 | 31.0 | **31.4** | 32.4 | 33.9 | 29.1 | 29.6 | 30.6 | 32.1 | 27.5 | 28.0 | 28.9 | 30.5 |
| | | S/T | 0.84 | 0.76 | 0.61 | 0.5 | 1.00 | 0.76 | 0.62 | 0.5 | 1.00 | 0.79 | 0.65 | 0.5 | 1.00 | **0.81** | 0.67 | 0.5 | 1.00 | 0.83 | 0.69 | 0.5 | 1.00 | 1.00 | 0.75 | 0.6 |
| | | ΔT | 21.27 | 19.56 | 16.36 | 13.0 | 21.23 | 19.51 | 16.31 | 13.0 | 21.47 | 19.75 | 16.55 | 13.2 | 21.21 | **19.50** | 16.29 | 13.0 | 20.98 | 19.27 | 16.07 | 12.7 | 22.05 | 20.34 | 17.14 | 13.8 |
| | | kW | 2.20 | 2.19 | 2.19 | 2.2 | 2.47 | 2.47 | 2.46 | 2.5 | 2.78 | 2.77 | 2.77 | 2.8 | 3.11 | **3.10** | 3.10 | 3.1 | 3.47 | 3.47 | 3.47 | 3.5 | 3.91 | 3.91 | 3.90 | 3.9 |
| | | Amps | 8.27 | 8.26 | 8.24 | 8.3 | 9.46 | 9.45 | 9.43 | 9.5 | 10.78 | 10.77 | 10.75 | 10.8 | 12.22 | **12.21** | 12.19 | 12.3 | 13.82 | 13.81 | 13.79 | 13.9 | 15.71 | 15.70 | 15.68 | 15.8 |
| | | Hi PR | 259 | 260 | 262 | 266.6 | 300 | 301 | 303 | 307.2 | 342 | 343 | 345 | 349.6 | 388 | **389** | 391 | 395.4 | 437 | 438 | 440 | 444.6 | 490 | 491 | 493 | 497.2 |
| | | Lo PR | 127 | 128 | 131 | 136.7 | 134 | 136 | 139 | 144.2 | 141 | 142 | 146 | 150.9 | 146 | **148** | 151 | 156.5 | 152 | 154 | 157 | 162.0 | 159 | 160 | 164 | 168.9 |
| | 1400 | MBh | 34.4 | 34.9 | 35.9 | 37.4 | 34.1 | 34.6 | 35.6 | 37.1 | 33.3 | 33.7 | 34.7 | 36.2 | 31.8 | 32.3 | 33.2 | 34.8 | 30.0 | 30.4 | 31.4 | 32.9 | 28.3 | 28.8 | 29.8 | 31.3 |
| | | S/T | 0.88 | 0.80 | 0.66 | 0.5 | 1.00 | 0.81 | 0.67 | 0.5 | 1.00 | 0.83 | 0.69 | 0.5 | 1.00 | 0.86 | 0.71 | 0.6 | 1.00 | 1.00 | 0.74 | 0.6 | 1.00 | 1.00 | 0.79 | 0.6 |
| | | ΔT | 20.01 | 18.30 | 15.10 | 11.8 | 19.97 | 18.25 | 15.05 | 11.7 | 20.21 | 18.49 | 15.29 | 12.0 | 19.95 | 18.23 | 15.03 | 11.7 | 19.72 | 18.01 | 14.80 | 11.5 | 20.79 | 19.08 | 15.88 | 12.6 |
| | | kW | 2.21 | 2.21 | 2.21 | 2.2 | 2.49 | 2.49 | 2.48 | 2.5 | 2.79 | 2.79 | 2.79 | 2.8 | 3.12 | 3.12 | 3.12 | 3.1 | 3.49 | 3.49 | 3.48 | 3.5 | 3.92 | 3.92 | 3.92 | 3.9 |
| | | Amps | 8.34 | 8.33 | 8.31 | 8.4 | 9.53 | 9.52 | 9.50 | 9.6 | 10.86 | 10.85 | 10.83 | 10.9 | 12.29 | 12.28 | 12.26 | 12.4 | 13.90 | 13.89 | 13.87 | 14.0 | 15.78 | 15.77 | 15.75 | 15.8 |
| | | Hi PR | 262 | 264 | 265 | 269.8 | 303 | 304 | 306 | 310.3 | 345 | 347 | 348 | 352.8 | 391 | 392 | 394 | 398.5 | 440 | 442 | 443 | 447.8 | 493 | 494 | 496 | 500.4 |
| | | Lo PR | 130 | 131 | 134 | 139.8 | 137 | 139 | 142 | 147.4 | 144 | 146 | 149 | 154.0 | 150 | 151 | 154 | 159.6 | 155 | 157 | 160 | 165.2 | 162 | 164 | 167 | 172.1 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 9-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 7-11°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 900 | MBh | 33.0 | 33.5 | 34.5 | 36.0 | 32.7 | 33.2 | 34.2 | 35.7 | 31.9 | 32.3 | 33.3 | 34.8 | 30.4 | 30.8 | 31.8 | 33.3 | 28.6 | 29.0 | 30.0 | 31.5 | 26.9 | 27.4 | 28.3 | 29.9 |
| | | S/T | 1.00 | 0.74 | 0.60 | 0.4 | 1.00 | 0.75 | 0.60 | 0.5 | 1.00 | 0.77 | 0.63 | 0.5 | 1.00 | 0.79 | 0.65 | 0.5 | 1.00 | 1.00 | 0.67 | 0.5 | 1.00 | 1.00 | 0.73 | 0.6 |
| | | ΔT | 27.26 | 25.55 | 22.35 | 19.0 | 27.21 | 25.50 | 22.30 | 19.0 | 27.46 | 25.74 | 22.54 | 19.2 | 27.20 | 25.48 | 22.28 | 19.0 | 26.97 | 25.25 | 22.05 | 18.7 | 28.04 | 26.33 | 23.13 | 19.8 |
| | | kW | 2.17 | 2.17 | 2.16 | 2.2 | 2.44 | 2.44 | 2.43 | 2.5 | 2.75 | 2.74 | 2.74 | 2.8 | 3.08 | 3.07 | 3.07 | 3.1 | 3.45 | 3.44 | 3.44 | 3.5 | 3.88 | 3.88 | 3.87 | 3.9 |
| | | Amps | 8.14 | 8.14 | 8.12 | 8.2 | 9.33 | 9.32 | 9.30 | 9.4 | 10.66 | 10.65 | 10.63 | 10.7 | 12.10 | 12.09 | 12.07 | 12.2 | 13.70 | 13.69 | 13.67 | 13.8 | 15.58 | 15.57 | 15.55 | 15.6 |
| | | Hi PR | 255 | 256 | 258 | 262.8 | 296 | 297 | 299 | 303.3 | 338 | 339 | 341 | 345.8 | 384 | 385 | 387 | 391.5 | 433 | 434 | 436 | 440.8 | 486 | 487 | 489 | 493.4 |
| | | Lo PR | 124 | 125 | 128 | 133.8 | 131 | 133 | 136 | 141.4 | 138 | 140 | 143 | 148.0 | 144 | 145 | 148 | 153.7 | 149 | 151 | 154 | 159.2 | 156 | 158 | 161 | 166.1 |
| | 1180 | MBh | 33.8 | 34.3 | 35.3 | 36.8 | 33.5 | 34.0 | 35.0 | 36.5 | 32.6 | 33.1 | 34.1 | 35.6 | 31.1 | 31.6 | **32.6** | 34.1 | 29.3 | 29.8 | 30.8 | 32.3 | 27.7 | 28.1 | 29.1 | 30.6 |
| | | S/T | 1.00 | 0.89 | 0.75 | 0.6 | 1.00 | 0.90 | 0.75 | 0.6 | 1.00 | 0.92 | 0.78 | 0.6 | 1.00 | 1.00 | **0.80** | 0.6 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 |
| | | ΔT | 25.07 | 23.36 | 20.15 | 16.8 | 25.02 | 23.31 | 20.11 | 16.8 | 25.26 | 23.55 | 20.35 | 17.0 | 25.01 | 23.29 | **20.09** | 16.8 | 24.78 | 23.06 | 19.86 | 16.5 | 25.85 | 24.14 | 20.93 | 17.6 |
| | | kW | 2.20 | 2.20 | 2.19 | 2.2 | 2.47 | 2.47 | 2.46 | 2.5 | 2.78 | 2.77 | 2.77 | 2.8 | 3.11 | 3.10 | **3.10** | 3.1 | 3.48 | 3.47 | 3.47 | 3.5 | 3.91 | 3.91 | 3.90 | 3.9 |
| | | Amps | 8.28 | 8.27 | 8.25 | 8.3 | 9.46 | 9.45 | 9.43 | 9.5 | 10.79 | 10.78 | 10.76 | 10.9 | 12.23 | 12.22 | **12.20** | 12.3 | 13.83 | 13.82 | 13.80 | 13.9 | 15.71 | 15.70 | 15.68 | 15.8 |
| | | Hi PR | 260 | 261 | 263 | 267.1 | 300 | 301 | 303 | 307.6 | 343 | 344 | 346 | 350.1 | 388 | 390 | **391** | 395.8 | 438 | 439 | 441 | 445.1 | 490 | 491 | 493 | 497.7 |
| | | Lo PR | 127 | 129 | 132 | 137.2 | 135 | 136 | 139 | 144.8 | 141 | 143 | 146 | 151.4 | 147 | 149 | **152** | 157.1 | 153 | 154 | 157 | 162.6 | 159 | 161 | 164 | 169.5 |
| | 1400 | MBh | 34.6 | 35.1 | 36.1 | 37.6 | 34.3 | 34.8 | 35.8 | 37.3 | 33.4 | 33.9 | 34.9 | 36.4 | 32.0 | 32.4 | 33.4 | 34.9 | 30.1 | 30.6 | 31.6 | 33.1 | 28.5 | 28.9 | 29.9 | 31.4 |
| | | S/T | 1.00 | 0.93 | 0.79 | 0.6 | 1.00 | 0.94 | 0.80 | 0.6 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.87 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 23.81 | 22.09 | 18.89 | 15.6 | 23.76 | 22.05 | 18.85 | 15.5 | 24.00 | 22.29 | 19.09 | 15.8 | 23.74 | 22.03 | 18.83 | 15.5 | 23.52 | 21.80 | 18.60 | 15.3 | 24.59 | 22.87 | 19.67 | 16.4 |
| | | kW | 2.22 | 2.21 | 2.21 | 2.2 | 2.49 | 2.49 | 2.48 | 2.5 | 2.79 | 2.79 | 2.79 | 2.8 | 3.12 | 3.12 | 3.12 | 3.1 | 3.49 | 3.49 | 3.49 | 3.5 | 3.93 | 3.92 | 3.92 | 3.9 |
| | | Amps | 8.35 | 8.34 | 8.32 | 8.4 | 9.54 | 9.53 | 9.51 | 9.6 | 10.86 | 10.86 | 10.84 | 10.9 | 12.30 | 12.29 | 12.27 | 12.4 | 13.90 | 13.90 | 13.87 | 14.0 | 15.79 | 15.78 | 15.76 | 15.8 |
| | | Hi PR | 263 | 264 | 266 | 270.3 | 303 | 305 | 306 | 310.8 | 346 | 347 | 349 | 353.3 | 392 | 393 | 395 | 399.0 | 441 | 442 | 444 | 448.3 | 493 | 495 | 496 | 500.9 |
| | | Lo PR | 130 | 132 | 135 | 140.3 | 138 | 139 | 143 | 147.9 | 145 | 146 | 149 | 154.6 | 150 | 152 | 155 | 160.2 | 156 | 157 | 160 | 165.7 | 163 | 164 | 167 | 172.6 |
| 85 | 900 | MBh | 33.6 | 34.1 | 35.0 | 36.6 | 33.3 | 33.8 | 34.7 | 36.3 | 32.4 | 32.9 | 33.9 | 35.4 | 30.9 | 31.4 | 32.4 | 33.9 | 29.1 | 29.6 | 30.6 | 32.1 | 27.4 | 27.9 | 28.9 | 30.4 |
| | | S/T | 1.00 | 0.85 | 0.70 | 0.6 | 1.00 | 0.85 | 0.71 | 0.6 | 1.00 | 1.00 | 0.74 | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 | 1.00 | 1.00 | 0.78 | 0.6 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 30.63 | 28.91 | 25.71 | 22.4 | 30.58 | 28.87 | 25.67 | 22.3 | 30.82 | 29.11 | 25.91 | 22.6 | 30.56 | 28.85 | 25.65 | 22.3 | 30.33 | 28.62 | 25.42 | 22.1 | 31.41 | 29.69 | 26.49 | 23.2 |
| | | kW | 2.17 | 2.17 | 2.17 | 2.2 | 2.45 | 2.44 | 2.44 | 2.5 | 2.75 | 2.75 | 2.75 | 2.8 | 3.08 | 3.08 | 3.08 | 3.1 | 3.45 | 3.45 | 3.44 | 3.5 | 3.88 | 3.88 | 3.88 | 3.9 |
| | | Amps | 8.17 | 8.16 | 8.14 | 8.2 | 9.36 | 9.35 | 9.33 | 9.4 | 10.68 | 10.67 | 10.65 | 10.7 | 12.12 | 12.11 | 12.09 | 12.2 | 13.72 | 13.71 | 13.69 | 13.8 | 15.60 | 15.59 | 15.57 | 15.7 |
| | | Hi PR | 257 | 258 | 260 | 264.0 | 297 | 298 | 300 | 304.5 | 340 | 341 | 342 | 347.0 | 385 | 386 | 388 | 392.7 | 435 | 436 | 438 | 442.0 | 487 | 488 | 490 | 494.6 |
| | | Lo PR | 126 | 127 | 130 | 135.7 | 133 | 135 | 138 | 143.3 | 140 | 141 | 145 | 149.9 | 145 | 147 | 150 | 155.5 | 151 | 153 | 156 | 161.0 | 158 | 159 | 163 | 168.0 |
| | 1180 | MBh | 34.4 | 34.8 | 35.8 | 37.3 | 34.1 | 34.5 | 35.5 | 37.0 | 33.2 | 33.7 | 34.6 | 36.2 | 31.7 | 32.2 | 33.2 | 34.7 | 29.9 | 30.3 | 31.3 | 32.9 | 28.2 | 28.7 | 29.7 | 31.2 |
| | | S/T | 1.00 | 1.00 | 0.85 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 | 1.00 | 1.00 | 0.89 | 0.7 | 1.00 | 1.00 | 0.91 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 28.44 | 26.72 | 23.52 | 20.2 | 28.39 | 26.68 | 23.47 | 20.2 | 28.63 | 26.92 | 23.71 | 20.4 | 28.37 | 26.66 | 23.46 | 20.1 | 28.14 | 26.43 | 23.23 | 19.9 | 29.22 | 27.50 | 24.30 | 21.0 |
| | | kW | 2.20 | 2.20 | 2.20 | 2.2 | 2.48 | 2.47 | 2.47 | 2.5 | 2.78 | 2.78 | 2.78 | 2.8 | 3.11 | 3.11 | 3.11 | 3.1 | 3.48 | 3.48 | 3.47 | 3.5 | 3.91 | 3.91 | 3.91 | 3.9 |
| | | Amps | 8.30 | 8.29 | 8.27 | 8.4 | 9.49 | 9.48 | 9.46 | 9.5 | 10.81 | 10.80 | 10.78 | 10.9 | 12.25 | 12.24 | 12.22 | 12.3 | 13.85 | 13.84 | 13.82 | 13.9 | 15.73 | 15.73 | 15.70 | 15.8 |
| | | Hi PR | 261 | 262 | 264 | 268.3 | 301 | 303 | 304 | 308.9 | 344 | 345 | 347 | 351.3 | 390 | 391 | 393 | 397.0 | 439 | 440 | 442 | 446.3 | 492 | 493 | 494 | 498.9 |
| | | Lo PR | 129 | 131 | 134 | 139.1 | 137 | 138 | 141 | 146.7 | 143 | 145 | 148 | 153.3 | 149 | 150 | 154 | 158.9 | 154 | 156 | 159 | 164.5 | 161 | 163 | 166 | 171.4 |
| | 1400 | MBh | 35.2 | 35.6 | 36.6 | 38.1 | 34.9 | 35.3 | 36.3 | 37.8 | 34.0 | 34.5 | 35.5 | 37.0 | 32.5 | 33.0 | 34.0 | 35.5 | 30.7 | 31.2 | 32.2 | 33.7 | 29.0 | 29.5 | 30.5 | 32.0 |
| | | S/T | 1.00 | 1.00 | 0.90 | 0.7 | 1.00 | 1.00 | 0.90 | 0.8 | 1.00 | 1.00 | 0.93 | 0.8 | 1.00 | 1.00 | 0.95 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.9 |
| | | ΔT | 27.18 | 25.46 | 22.26 | 18.9 | 27.13 | 25.41 | 22.21 | 18.9 | 27.37 | 25.65 | 22.45 | 19.1 | 27.11 | 25.40 | 22.19 | 18.9 | 26.88 | 25.17 | 21.97 | 18.6 | 27.96 | 26.24 | 23.04 | 19.7 |
| | | kW | 2.22 | 2.22 | 2.21 | 2.2 | 2.49 | 2.49 | 2.49 | 2.5 | 2.80 | 2.80 | 2.79 | 2.8 | 3.13 | 3.13 | 3.12 | 3.1 | 3.50 | 3.50 | 3.49 | 3.5 | 3.93 | 3.93 | 3.92 | 3.9 |
| | | Amps | 8.37 | 8.36 | 8.34 | 8.4 | 9.56 | 9.55 | 9.53 | 9.6 | 10.89 | 10.88 | 10.86 | 10.9 | 12.32 | 12.31 | 12.29 | 12.4 | 13.93 | 13.92 | 13.90 | 14.0 | 15.81 | 15.80 | 15.78 | 15.9 |
| | | Hi PR | 264 | 265 | 267 | 271.5 | 305 | 306 | 308 | 312.0 | 347 | 348 | 350 | 354.5 | 393 | 394 | 396 | 400.2 | 442 | 443 | 445 | 449.5 | 495 | 496 | 498 | 502.1 |
| | | Lo PR | 132 | 134 | 137 | 142.2 | 140 | 141 | 144 | 149.8 | 146 | 148 | 151 | 156.4 | 152 | 154 | 157 | 162.1 | 158 | 159 | 162 | 167.6 | 164 | 166 | 169 | 174.5 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 9-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 7-11°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 600 | MBh | 23.6 | 23.9 | 24.6 | - | 23.4 | 23.7 | 24.4 | - | 22.7 | 23.1 | 23.8 | - | 21.7 | 22.0 | 22.7 | - | 20.4 | 20.7 | 21.4 | - | 19.2 | 19.5 | 20.2 | - |
| | | S/T | 0.56 | 0.47 | 0.33 | - | 0.56 | 0.48 | 0.33 | - | 0.59 | 0.51 | 0.36 | - | 1.00 | 0.53 | 0.38 | - | 1.00 | 0.55 | 0.41 | - | 1.00 | 0.61 | 0.46 | - |
| | | ΔT | 19.15 | 17.50 | 14.41 | - | 19.11 | 17.45 | 14.36 | - | 19.34 | 17.68 | 14.59 | - | 19.09 | 17.43 | 14.34 | - | 18.87 | 17.21 | 14.12 | - | 19.90 | 18.25 | 15.16 | - |
| | | kW | 1.36 | 1.36 | 1.36 | - | 1.53 | 1.53 | 1.53 | - | 1.73 | 1.73 | 1.72 | - | 1.93 | 1.93 | 1.93 | - | 2.17 | 2.17 | 2.16 | - | 2.44 | 2.44 | 2.43 | - |
| | | Amps | 5.12 | 5.11 | 5.10 | - | 5.87 | 5.86 | 5.85 | - | 6.70 | 6.69 | 6.68 | - | 7.60 | 7.60 | 7.58 | - | 8.61 | 8.61 | 8.59 | - | 9.80 | 9.79 | 9.78 | - |
| | | Hi PR | 243 | 244 | 246 | - | 282 | 283 | 285 | - | 323 | 324 | 325 | - | 366 | 367 | 369 | - | 413 | 414 | 416 | - | 464 | 465 | 466 | - |
| | | Lo PR | 126 | 128 | 131 | - | 134 | 136 | 139 | - | 141 | 143 | 146 | - | 147 | 148 | 152 | - | 153 | 154 | 157 | - | 160 | 161 | 164 | - |
| | 800 | MBh | 24.2 | 24.5 | 25.2 | - | 23.9 | 24.3 | 25.0 | - | 23.3 | 23.7 | 24.4 | - | 22.3 | 22.6 | 23.3 | - | 20.9 | 21.3 | 22.0 | - | 19.7 | 20.1 | 20.8 | - |
| | | S/T | 0.72 | 0.64 | 0.49 | - | 0.73 | 0.65 | 0.50 | - | 1.00 | 0.67 | 0.53 | - | 1.00 | 0.69 | 0.55 | - | 1.00 | 0.72 | 0.57 | - | 1.00 | 1.00 | 0.63 | - |
| | | ΔT | 16.89 | 15.24 | 12.15 | - | 16.85 | 15.19 | 12.10 | - | 17.08 | 15.42 | 12.34 | - | 16.83 | 15.18 | 12.09 | - | 16.61 | 14.95 | 11.86 | - | 17.64 | 15.99 | 12.90 | - |
| | | kW | 1.38 | 1.38 | 1.38 | - | 1.55 | 1.55 | 1.55 | - | 1.75 | 1.75 | 1.74 | - | 1.95 | 1.95 | 1.95 | - | 2.19 | 2.19 | 2.18 | - | 2.46 | 2.46 | 2.45 | - |
| | | Amps | 5.21 | 5.20 | 5.19 | - | 5.95 | 5.95 | 5.93 | - | 6.79 | 6.78 | 6.77 | - | 7.69 | 7.69 | 7.67 | - | 8.70 | 8.69 | 8.68 | - | 9.88 | 9.88 | 9.86 | - |
| | | Hi PR | 248 | 249 | 250 | - | 286 | 287 | 289 | - | 327 | 328 | 330 | - | 371 | 372 | 373 | - | 418 | 419 | 421 | - | 468 | 469 | 471 | - |
| | | Lo PR | 130 | 132 | 135 | - | 138 | 140 | 143 | - | 145 | 146 | 150 | - | 151 | 152 | 155 | - | 156 | 158 | 161 | - | 163 | 165 | 168 | - |
| | 1000 | MBh | 25.0 | 25.3 | 26.0 | - | 24.8 | 25.1 | 25.8 | - | 24.2 | 24.5 | 25.2 | - | 23.1 | 23.4 | 24.1 | - | 21.8 | 22.1 | 22.8 | - | 20.6 | 20.9 | 21.6 | - |
| | | S/T | 0.77 | 0.69 | 0.54 | - | 0.78 | 0.69 | 0.55 | - | 1.00 | 0.72 | 0.57 | - | 1.00 | 0.74 | 0.60 | - | 1.00 | 0.77 | 0.62 | - | 1.00 | 1.00 | 0.67 | - |
| | | ΔT | 15.30 | 13.65 | 10.56 | - | 15.26 | 13.60 | 10.52 | - | 15.49 | 13.84 | 10.75 | - | 15.24 | 13.59 | 10.50 | - | 15.02 | 13.37 | 10.28 | - | 16.06 | 14.40 | 11.31 | - |
| | | kW | 1.40 | 1.40 | 1.39 | - | 1.57 | 1.57 | 1.56 | - | 1.76 | 1.76 | 1.76 | - | 1.97 | 1.97 | 1.96 | - | 2.20 | 2.20 | 2.20 | - | 2.47 | 2.47 | 2.47 | - |
| | | Amps | 5.27 | 5.26 | 5.25 | - | 6.01 | 6.01 | 6.00 | - | 6.85 | 6.84 | 6.83 | - | 7.75 | 7.75 | 7.73 | - | 8.76 | 8.76 | 8.74 | - | 9.94 | 9.94 | 9.93 | - |
| | | Hi PR | 252 | 253 | 255 | - | 290 | 292 | 293 | - | 331 | 332 | 334 | - | 375 | 376 | 378 | - | 422 | 423 | 425 | - | 472 | 473 | 475 | - |
| | | Lo PR | 135 | 136 | 139 | - | 142 | 144 | 147 | - | 149 | 151 | 154 | - | 155 | 157 | 160 | - | 161 | 162 | 166 | - | 168 | 169 | 173 | - |
| 75 | 600 | MBh | 23.6 | 23.9 | 24.6 | 25.7 | 23.4 | 23.7 | 24.4 | 25.5 | 22.8 | 23.1 | 23.8 | 24.9 | 21.7 | 22.0 | 22.7 | 23.8 | 20.4 | 20.7 | 21.4 | 22.5 | 19.2 | 19.5 | 20.2 | 21.3 |
| | | S/T | 0.70 | 0.61 | 0.47 | 0.3 | 1.00 | 0.62 | 0.47 | 0.3 | 1.00 | 0.65 | 0.50 | 0.3 | 1.00 | 0.67 | 0.52 | 0.4 | 1.00 | 0.69 | 0.54 | 0.4 | 1.00 | 1.00 | 0.60 | 0.4 |
| | | ΔT | 22.79 | 21.13 | 18.04 | 14.8 | 22.74 | 21.09 | 18.00 | 14.8 | 22.98 | 21.32 | 18.23 | 15.0 | 22.73 | 21.07 | 17.98 | 14.8 | 22.51 | 20.85 | 17.76 | 14.6 | 23.54 | 21.89 | 18.80 | 15.6 |
| | | kW | 1.36 | 1.36 | 1.36 | 1.4 | 1.53 | 1.53 | 1.53 | 1.5 | 1.73 | 1.72 | 1.72 | 1.7 | 1.93 | 1.93 | 1.93 | 1.9 | 2.17 | 2.16 | 2.16 | 2.2 | 2.44 | 2.44 | 2.43 | 2.4 |
| | | Amps | 5.11 | 5.11 | 5.09 | 5.2 | 5.86 | 5.86 | 5.84 | 5.9 | 6.70 | 6.69 | 6.68 | 6.7 | 7.60 | 7.59 | 7.58 | 7.6 | 8.61 | 8.60 | 8.59 | 8.6 | 9.79 | 9.79 | 9.77 | 9.8 |
| | | Hi PR | 243 | 244 | 246 | 250.5 | 282 | 283 | 285 | 289.3 | 323 | 324 | 326 | 329.8 | 366 | 368 | 369 | 373.6 | 414 | 415 | 416 | 420.7 | 464 | 465 | 467 | 471.0 |
| | | Lo PR | 126 | 128 | 131 | 136.8 | 134 | 136 | 139 | 144.6 | 141 | 143 | 146 | 151.4 | 147 | 148 | 152 | 157.2 | 153 | 154 | 157 | 162.9 | 160 | 161 | 165 | 170.0 |
| | 800 | MBh | 24.2 | 24.5 | 25.2 | 26.3 | 24.0 | 24.3 | 25.0 | 26.1 | 23.3 | 23.7 | 24.4 | 25.5 | 22.3 | **22.6** | 23.3 | 24.4 | 21.0 | 21.3 | 22.0 | 23.1 | 19.8 | 20.1 | 20.8 | 21.9 |
| | | S/T | 0.86 | 0.78 | 0.63 | 0.5 | 1.00 | 0.78 | 0.64 | 0.5 | 1.00 | 0.81 | 0.67 | 0.5 | 1.00 | **0.83** | 0.69 | 0.5 | 1.00 | 1.00 | 0.71 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 |
| | | ΔT | 20.53 | 18.88 | 15.79 | 12.6 | 20.48 | 18.83 | 15.74 | 12.5 | 20.72 | 19.06 | 15.97 | 12.8 | 20.47 | **18.81** | 15.72 | 12.5 | 20.25 | 18.59 | 15.50 | 12.3 | 21.28 | 19.63 | 16.54 | 13.3 |
| | | kW | 1.38 | 1.38 | 1.38 | 1.4 | 1.55 | 1.55 | 1.55 | 1.6 | 1.75 | 1.74 | 1.74 | 1.8 | 1.95 | **1.95** | 1.95 | 2.0 | 2.19 | 2.18 | 2.18 | 2.2 | 2.46 | 2.46 | 2.45 | 2.5 |
| | | Amps | 5.20 | 5.20 | 5.18 | 5.2 | 5.95 | 5.94 | 5.93 | 6.0 | 6.78 | 6.78 | 6.76 | 6.8 | 7.69 | **7.68** | 7.67 | 7.7 | 8.70 | 8.69 | 8.68 | 8.7 | 9.88 | 9.87 | 9.86 | 9.9 |
| | | Hi PR | 248 | 249 | 251 | 254.9 | 287 | 288 | 289 | 293.7 | 327 | 328 | 330 | 334.2 | 371 | **372** | 374 | 378.0 | 418 | 419 | 421 | 425.1 | 468 | 469 | 471 | 475.4 |
| | | Lo PR | 130 | 132 | 135 | 140.5 | 138 | 140 | 143 | 148.3 | 145 | 146 | 150 | 155.1 | 151 | **152** | 155 | 160.9 | 156 | 158 | 161 | 166.6 | 163 | 165 | 168 | 173.7 |
| | 1000 | MBh | 25.0 | 25.3 | 26.1 | 27.1 | 24.8 | 25.1 | 25.8 | 26.9 | 24.2 | 24.5 | 25.2 | 26.3 | 23.1 | 23.4 | 24.1 | 25.2 | 21.8 | 22.1 | 22.8 | 23.9 | 20.6 | 20.9 | 21.6 | 22.7 |
| | | S/T | 1.00 | 0.83 | 0.68 | 0.5 | 1.00 | 0.83 | 0.69 | 0.5 | 1.00 | 0.86 | 0.71 | 0.6 | 1.00 | 1.00 | 0.74 | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 | 1.00 | 1.00 | 0.81 | 0.7 |
| | | ΔT | 18.94 | 17.29 | 14.20 | 11.0 | 18.90 | 17.24 | 14.15 | 11.0 | 19.13 | 17.48 | 14.39 | 11.2 | 18.88 | 17.23 | 14.14 | 10.9 | 18.66 | 17.00 | 13.92 | 10.7 | 19.70 | 18.04 | 14.95 | 11.8 |
| | | kW | 1.40 | 1.39 | 1.39 | 1.4 | 1.57 | 1.57 | 1.56 | 1.6 | 1.76 | 1.76 | 1.76 | 1.8 | 1.97 | 1.97 | 1.96 | 2.0 | 2.20 | 2.20 | 2.20 | 2.2 | 2.47 | 2.47 | 2.47 | 2.5 |
| | | Amps | 5.26 | 5.26 | 5.24 | 5.3 | 6.01 | 6.00 | 5.99 | 6.0 | 6.84 | 6.84 | 6.83 | 6.9 | 7.75 | 7.74 | 7.73 | 7.8 | 8.76 | 8.75 | 8.74 | 8.8 | 9.94 | 9.93 | 9.92 | 10.0 |
| | | Hi PR | 252 | 253 | 255 | 259.0 | 291 | 292 | 293 | 297.8 | 331 | 332 | 334 | 338.3 | 375 | 376 | 378 | 382.1 | 422 | 423 | 425 | 429.2 | 472 | 473 | 475 | 479.5 |
| | | Lo PR | 135 | 136 | 139 | 144.9 | 142 | 144 | 147 | 152.8 | 149 | 151 | 154 | 159.6 | 155 | 157 | 160 | 165.4 | 161 | 162 | 166 | 171.0 | 168 | 169 | 173 | 178.1 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

| | | | Outdoor Ambient Temperature | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 600 | MBh | 23.7 | 24.1 | 24.8 | 25.9 | 23.5 | 23.8 | 24.6 | 25.6 | 22.9 | 23.2 | 23.9 | 25.0 | 21.8 | 22.1 | 22.9 | 23.9 | 20.5 | 20.8 | 21.6 | 22.6 | 19.3 | 19.6 | 20.4 | 21.4 |
| | | S/T | 1.00 | 0.75 | 0.60 | 0.4 | 1.00 | 0.76 | 0.61 | 0.5 | 1.00 | 0.78 | 0.64 | 0.5 | 1.00 | 1.00 | 0.66 | 0.5 | 1.00 | 1.00 | 0.68 | 0.5 | 1.00 | 1.00 | 0.74 | 0.6 |
| | | ΔT | 26.45 | 24.80 | 21.71 | 18.5 | 26.41 | 24.75 | 21.66 | 18.5 | 26.64 | 24.98 | 21.90 | 18.7 | 26.39 | 24.73 | 21.65 | 18.4 | 26.17 | 24.51 | 21.42 | 18.2 | 27.20 | 25.55 | 22.46 | 19.3 |
| | | kW | 1.36 | 1.36 | 1.36 | 1.4 | 1.53 | 1.53 | 1.53 | 1.5 | 1.73 | 1.73 | 1.72 | 1.7 | 1.93 | 1.93 | 1.93 | 1.9 | 2.17 | 2.16 | 2.16 | 2.2 | 2.44 | 2.44 | 2.43 | 2.4 |
| | | Amps | 5.12 | 5.11 | 5.10 | 5.2 | 5.86 | 5.86 | 5.85 | 5.9 | 6.70 | 6.69 | 6.68 | 6.7 | 7.60 | 7.60 | 7.58 | 7.6 | 8.61 | 8.61 | 8.59 | 8.6 | 9.79 | 9.79 | 9.78 | 9.8 |
| | | Hi PR | 244 | 245 | 247 | 251.0 | 283 | 284 | 285 | 289.7 | 323 | 324 | 326 | 330.3 | 367 | 368 | 370 | 374.0 | 414 | 415 | 417 | 421.1 | 464 | 465 | 467 | 471.4 |
| | | Lo PR | 127 | 129 | 132 | 137.4 | 135 | 136 | 140 | 145.2 | 142 | 143 | 147 | 152.0 | 147 | 149 | 152 | 157.8 | 153 | 155 | 158 | 163.4 | 160 | 162 | 165 | 170.5 |
| | 800 | MBh | 24.3 | 24.6 | 25.3 | 26.4 | 24.1 | 24.4 | 25.1 | 26.2 | 23.5 | 23.8 | 24.5 | 25.6 | 22.4 | 22.7 | **23.4** | 24.5 | 21.1 | 21.4 | 22.1 | 23.2 | 19.9 | 20.2 | 20.9 | 22.0 |
| | | S/T | 1.00 | 0.91 | 0.77 | 0.6 | 1.00 | 0.92 | 0.77 | 0.6 | 1.00 | 1.00 | 0.80 | 0.6 | 1.00 | 1.00 | **0.82** | 0.7 | 1.00 | 1.00 | 0.85 | 0.7 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 24.19 | 22.54 | 19.45 | 16.2 | 24.15 | 22.49 | 19.40 | 16.2 | 24.38 | 22.73 | 19.64 | 16.4 | 24.13 | 22.48 | **19.39** | 16.2 | 23.91 | 22.26 | 19.17 | 16.0 | 24.95 | 23.29 | 20.20 | 17.0 |
| | | kW | 1.38 | 1.38 | 1.38 | 1.4 | 1.55 | 1.55 | 1.55 | 1.6 | 1.75 | 1.75 | 1.74 | 1.8 | 1.95 | 1.95 | **1.95** | 2.0 | 2.19 | 2.18 | 2.18 | 2.2 | 2.46 | 2.46 | 2.45 | 2.5 |
| | | Amps | 5.21 | 5.20 | 5.19 | 5.2 | 5.95 | 5.95 | 5.93 | 6.0 | 6.79 | 6.78 | 6.77 | 6.8 | 7.69 | 7.68 | **7.67** | 7.7 | 8.70 | 8.69 | 8.68 | 8.7 | 9.88 | 9.88 | 9.86 | 9.9 |
| | | Hi PR | 248 | 249 | 251 | 255.4 | 287 | 288 | 290 | 294.1 | 328 | 329 | 330 | 334.7 | 371 | 372 | **374** | 378.4 | 418 | 420 | 421 | 425.5 | 469 | 470 | 472 | 475.8 |
| | | Lo PR | 131 | 132 | 136 | 141.0 | 139 | 140 | 143 | 148.9 | 145 | 147 | 150 | 155.7 | 151 | 153 | **156** | 161.5 | 157 | 158 | 162 | 167.1 | 164 | 166 | 169 | 174.2 |
| | 1000 | MBh | 25.1 | 25.5 | 26.2 | 27.3 | 24.9 | 25.2 | 26.0 | 27.0 | 24.3 | 24.6 | 25.3 | 26.4 | 23.2 | 23.6 | 24.3 | 25.4 | 21.9 | 22.2 | 23.0 | 24.0 | 20.7 | 21.1 | 21.8 | 22.9 |
| | | S/T | 1.00 | 0.96 | 0.82 | 0.7 | 1.00 | 0.97 | 0.82 | 0.7 | 1.00 | 1.00 | 0.85 | 0.7 | 1.00 | 1.00 | 0.87 | 0.7 | 1.00 | 1.00 | 0.89 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 22.61 | 20.95 | 17.86 | 14.7 | 22.56 | 20.91 | 17.82 | 14.6 | 22.79 | 21.14 | 18.05 | 14.8 | 22.54 | 20.89 | 17.80 | 14.6 | 22.32 | 20.67 | 17.58 | 14.4 | 23.36 | 21.70 | 18.61 | 15.4 |
| | | kW | 1.40 | 1.40 | 1.39 | 1.4 | 1.57 | 1.57 | 1.56 | 1.6 | 1.76 | 1.76 | 1.76 | 1.8 | 1.97 | 1.97 | 1.96 | 2.0 | 2.20 | 2.20 | 2.20 | 2.2 | 2.47 | 2.47 | 2.47 | 2.5 |
| | | Amps | 5.27 | 5.26 | 5.25 | 5.3 | 6.01 | 6.01 | 6.00 | 6.1 | 6.85 | 6.84 | 6.83 | 6.9 | 7.75 | 7.75 | 7.73 | 7.8 | 8.76 | 8.75 | 8.74 | 8.8 | 9.94 | 9.94 | 9.93 | 10.0 |
| | | Hi PR | 252 | 253 | 255 | 259.5 | 291 | 292 | 294 | 298.2 | 332 | 333 | 335 | 338.8 | 375 | 377 | 378 | 382.5 | 423 | 424 | 425 | 429.6 | 473 | 474 | 476 | 479.9 |
| | | Lo PR | 135 | 137 | 140 | 145.5 | 143 | 145 | 148 | 153.3 | 150 | 151 | 155 | 160.2 | 156 | 157 | 160 | 165.9 | 161 | 163 | 166 | 171.6 | 168 | 170 | 173 | 178.7 |
| 85 | 600 | MBh | 24.1 | 24.5 | 25.2 | 26.3 | 23.9 | 24.2 | 25.0 | 26.0 | 23.3 | 23.6 | 24.3 | 25.4 | 22.2 | 22.6 | 23.3 | 24.4 | 20.9 | 21.2 | 22.0 | 23.0 | 19.7 | 20.0 | 20.8 | 21.8 |
| | | S/T | 1.00 | 0.86 | 0.71 | 0.6 | 1.00 | 1.00 | 0.72 | 0.6 | 1.00 | 1.00 | 0.75 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 | 1.00 | 1.00 | 1.00 | 0.6 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 29.70 | 28.05 | 24.96 | 21.8 | 29.66 | 28.00 | 24.91 | 21.7 | 29.89 | 28.23 | 25.14 | 21.9 | 29.64 | 27.98 | 24.89 | 21.7 | 29.42 | 27.76 | 24.67 | 21.5 | 30.45 | 28.80 | 25.71 | 22.5 |
| | | kW | 1.37 | 1.36 | 1.36 | 1.4 | 1.54 | 1.54 | 1.53 | 1.5 | 1.73 | 1.73 | 1.73 | 1.7 | 1.94 | 1.94 | 1.93 | 1.9 | 2.17 | 2.17 | 2.17 | 2.2 | 2.44 | 2.44 | 2.44 | 2.5 |
| | | Amps | 5.13 | 5.13 | 5.11 | 5.2 | 5.88 | 5.87 | 5.86 | 5.9 | 6.71 | 6.71 | 6.69 | 6.8 | 7.62 | 7.61 | 7.60 | 7.7 | 8.63 | 8.62 | 8.61 | 8.7 | 9.81 | 9.80 | 9.79 | 9.8 |
| | | Hi PR | 245 | 246 | 248 | 252.1 | 284 | 285 | 287 | 290.9 | 324 | 325 | 327 | 331.4 | 368 | 369 | 371 | 375.2 | 415 | 416 | 418 | 422.3 | 466 | 467 | 468 | 472.6 |
| | | Lo PR | 129 | 131 | 134 | 139.3 | 137 | 138 | 142 | 147.1 | 144 | 145 | 148 | 153.9 | 149 | 151 | 154 | 159.7 | 155 | 157 | 160 | 165.4 | 162 | 164 | 167 | 172.5 |
| | 800 | MBh | 24.7 | 25.0 | 25.7 | 26.8 | 24.5 | 24.8 | 25.5 | 26.6 | 23.9 | 24.2 | 24.9 | 26.0 | 22.8 | 23.1 | 23.8 | 24.9 | 21.5 | 21.8 | 22.5 | 23.6 | 20.3 | 20.6 | 21.3 | 22.4 |
| | | S/T | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 0.91 | 0.8 | 1.00 | 1.00 | 0.93 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.9 |
| | | ΔT | 27.44 | 25.79 | 22.70 | 19.5 | 27.40 | 25.74 | 22.65 | 19.5 | 27.63 | 25.97 | 22.88 | 19.7 | 27.38 | 25.72 | 22.64 | 19.4 | 27.16 | 25.50 | 22.41 | 19.2 | 28.19 | 26.54 | 23.45 | 20.2 |
| | | kW | 1.39 | 1.38 | 1.38 | 1.4 | 1.56 | 1.56 | 1.55 | 1.6 | 1.75 | 1.75 | 1.75 | 1.8 | 1.96 | 1.96 | 1.95 | 2.0 | 2.19 | 2.19 | 2.19 | 2.2 | 2.46 | 2.46 | 2.46 | 2.5 |
| | | Amps | 5.22 | 5.21 | 5.20 | 5.3 | 5.97 | 5.96 | 5.95 | 6.0 | 6.80 | 6.80 | 6.78 | 6.8 | 7.70 | 7.70 | 7.69 | 7.7 | 8.71 | 8.71 | 8.69 | 8.8 | 9.90 | 9.89 | 9.88 | 9.9 |
| | | Hi PR | 249 | 251 | 252 | 256.5 | 288 | 289 | 291 | 295.3 | 329 | 330 | 332 | 335.9 | 372 | 374 | 375 | 379.6 | 420 | 421 | 422 | 426.7 | 470 | 471 | 473 | 477.0 |
| | | Lo PR | 133 | 134 | 138 | 143.0 | 140 | 142 | 145 | 150.8 | 147 | 149 | 152 | 157.6 | 153 | 155 | 158 | 163.4 | 159 | 160 | 164 | 169.1 | 166 | 167 | 171 | 176.2 |
| | 1000 | MBh | 25.5 | 25.9 | 26.6 | 27.7 | 25.3 | 25.7 | 26.4 | 27.5 | 24.7 | 25.0 | 25.7 | 26.8 | 23.6 | 24.0 | 24.7 | 25.8 | 22.3 | 22.6 | 23.4 | 24.4 | 21.1 | 21.5 | 22.2 | 23.3 |
| | | S/T | 1.00 | 1.00 | 0.93 | 0.8 | 1.00 | 1.00 | 0.93 | 0.8 | 1.00 | 1.00 | 0.96 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 1.0 |
| | | ΔT | 25.85 | 24.20 | 21.11 | 17.9 | 25.81 | 24.15 | 21.06 | 17.9 | 26.04 | 24.39 | 21.30 | 18.1 | 25.79 | 24.14 | 21.05 | 17.8 | 25.57 | 23.92 | 20.83 | 17.6 | 26.61 | 24.95 | 21.86 | 18.7 |
| | | kW | 1.40 | 1.40 | 1.40 | 1.4 | 1.57 | 1.57 | 1.57 | 1.6 | 1.76 | 1.76 | 1.76 | 1.8 | 1.97 | 1.97 | 1.97 | 2.0 | 2.20 | 2.20 | 2.20 | 2.2 | 2.48 | 2.47 | 2.47 | 2.5 |
| | | Amps | 5.28 | 5.27 | 5.26 | 5.3 | 6.03 | 6.02 | 6.01 | 6.1 | 6.86 | 6.86 | 6.84 | 6.9 | 7.77 | 7.76 | 7.75 | 7.8 | 8.77 | 8.77 | 8.76 | 8.8 | 9.96 | 9.95 | 9.94 | 10.0 |
| | | Hi PR | 254 | 255 | 256 | 260.6 | 292 | 293 | 295 | 299.4 | 333 | 334 | 336 | 340.0 | 377 | 378 | 379 | 383.7 | 424 | 425 | 427 | 430.8 | 474 | 475 | 477 | 481.1 |
| | | Lo PR | 137 | 139 | 142 | 147.4 | 145 | 147 | 150 | 155.2 | 152 | 153 | 157 | 162.1 | 158 | 159 | 162 | 167.9 | 163 | 165 | 168 | 173.5 | 170 | 172 | 175 | 180.6 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 1000 | MBh | 42.3 | 42.9 | 44.2 | - | 41.9 | 42.5 | 43.8 | - | 40.8 | 41.4 | 42.7 | - | 38.9 | 39.5 | 40.8 | - | 36.6 | 37.2 | 38.4 | - | 34.4 | 35.0 | 36.3 | - |
| | | S/T | 0.50 | 0.43 | 0.30 | - | 0.51 | 0.44 | 0.31 | - | 0.53 | 0.46 | 0.33 | - | 0.55 | 0.48 | 0.35 | - | 1.00 | 0.50 | 0.37 | - | 1.00 | 0.55 | 0.42 | - |
| | | ΔT | 22.56 | 20.59 | 16.91 | - | 22.51 | 20.54 | 16.86 | - | 22.79 | 20.82 | 17.13 | - | 22.49 | 20.52 | 16.84 | - | 22.23 | 20.25 | 16.57 | - | 23.46 | 21.49 | 17.81 | - |
| | | kW | 2.79 | 2.79 | 2.78 | - | 3.15 | 3.14 | 3.14 | - | 3.54 | 3.54 | 3.53 | - | 3.97 | 3.96 | 3.96 | - | 4.44 | 4.44 | 4.43 | - | 5.00 | 5.00 | 4.99 | - |
| | | Amps | 10.65 | 10.64 | 10.62 | - | 12.19 | 12.18 | 12.15 | - | 13.90 | 13.89 | 13.86 | - | 15.76 | 15.74 | 15.72 | - | 17.83 | 17.82 | 17.79 | - | 20.26 | 20.25 | 20.22 | - |
| | | Hi PR | 260 | 261 | 263 | - | 301 | 303 | 304 | - | 345 | 346 | 348 | - | 391 | 393 | 394 | - | 442 | 443 | 445 | - | 495 | 497 | 498 | - |
| | | Lo PR | 120 | 121 | 124 | - | 127 | 128 | 132 | - | 133 | 135 | 138 | - | 139 | 140 | 143 | - | 144 | 146 | 149 | - | 151 | 152 | 155 | - |
| | 1300 | MBh | 43.3 | 43.9 | 45.2 | - | 42.9 | 43.5 | 44.8 | - | 41.8 | 42.4 | 43.7 | - | 39.9 | 40.5 | 41.8 | - | 37.5 | 38.1 | 39.4 | - | 35.4 | 36.0 | 37.3 | - |
| | | S/T | 0.63 | 0.56 | 0.43 | - | 0.64 | 0.57 | 0.44 | - | 0.66 | 0.59 | 0.46 | - | 0.68 | 0.61 | 0.48 | - | 1.00 | 0.63 | 0.50 | - | 1.00 | 0.68 | 0.55 | - |
| | | ΔT | 20.13 | 18.16 | 14.48 | - | 20.08 | 18.10 | 14.42 | - | 20.35 | 18.38 | 14.70 | - | 20.06 | 18.08 | 14.40 | - | 19.79 | 17.82 | 14.14 | - | 21.03 | 19.06 | 15.37 | - |
| | | kW | 2.83 | 2.83 | 2.82 | - | 3.18 | 3.18 | 3.17 | - | 3.58 | 3.57 | 3.57 | - | 4.00 | 4.00 | 3.99 | - | 4.48 | 4.48 | 4.47 | - | 5.04 | 5.04 | 5.03 | - |
| | | Amps | 10.82 | 10.80 | 10.78 | - | 12.35 | 12.34 | 12.31 | - | 14.06 | 14.05 | 14.03 | - | 15.92 | 15.91 | 15.88 | - | 17.99 | 17.98 | 17.95 | - | 20.42 | 20.41 | 20.38 | - |
| | | Hi PR | 264 | 265 | 267 | - | 306 | 307 | 309 | - | 349 | 350 | 352 | - | 396 | 397 | 399 | - | 446 | 447 | 449 | - | 500 | 501 | 503 | - |
| | | Lo PR | 123 | 124 | 127 | - | 130 | 132 | 135 | - | 137 | 138 | 141 | - | 142 | 144 | 147 | - | 147 | 149 | 152 | - | 154 | 156 | 159 | - |
| | 1600 | MBh | 44.6 | 45.2 | 46.5 | - | 44.3 | 44.9 | 46.1 | - | 43.1 | 43.7 | 45.0 | - | 41.2 | 41.8 | 43.1 | - | 38.9 | 39.5 | 40.8 | - | 36.7 | 37.3 | 38.6 | - |
| | | S/T | 0.67 | 0.60 | 0.47 | - | 0.68 | 0.61 | 0.48 | - | 0.70 | 0.63 | 0.50 | - | 1.00 | 0.65 | 0.52 | - | 1.00 | 0.67 | 0.54 | - | 1.00 | 0.72 | 0.59 | - |
| | | ΔT | 18.37 | 16.40 | 12.72 | - | 18.32 | 16.34 | 12.66 | - | 18.59 | 16.62 | 12.94 | - | 18.30 | 16.32 | 12.64 | - | 18.03 | 16.06 | 12.38 | - | 19.27 | 17.30 | 13.61 | - |
| | | kW | 2.86 | 2.85 | 2.85 | - | 3.21 | 3.21 | 3.20 | - | 3.60 | 3.60 | 3.59 | - | 4.03 | 4.03 | 4.02 | - | 4.51 | 4.50 | 4.50 | - | 5.07 | 5.06 | 5.06 | - |
| | | Amps | 10.93 | 10.92 | 10.89 | - | 12.47 | 12.46 | 12.43 | - | 14.18 | 14.17 | 14.14 | - | 16.04 | 16.02 | 16.00 | - | 18.11 | 18.10 | 18.07 | - | 20.54 | 20.53 | 20.50 | - |
| | | Hi PR | 268 | 270 | 271 | - | 310 | 311 | 313 | - | 353 | 354 | 356 | - | 400 | 401 | 403 | - | 450 | 451 | 453 | - | 504 | 505 | 507 | - |
| | | Lo PR | 127 | 128 | 131 | - | 134 | 135 | 139 | - | 140 | 142 | 145 | - | 146 | 147 | 150 | - | 151 | 153 | 156 | - | 158 | 159 | 163 | - |
| 75 | 1000 | MBh | 42.3 | 43.0 | 44.2 | 46.2 | 42.0 | 42.6 | 43.8 | 45.8 | 40.9 | 41.5 | 42.7 | 44.7 | 38.9 | 39.5 | 40.8 | 42.8 | 36.6 | 37.2 | 38.5 | 40.4 | 34.4 | 35.0 | 36.3 | 38.3 |
| | | S/T | 0.63 | 0.55 | 0.42 | 0.3 | 0.63 | 0.56 | 0.43 | 0.3 | 1.00 | 0.58 | 0.45 | 0.3 | 1.00 | 0.60 | 0.47 | 0.3 | 1.00 | 0.62 | 0.49 | 0.4 | 1.00 | 0.67 | 0.54 | 0.4 |
| | | ΔT | 26.90 | 24.93 | 21.25 | 17.4 | 26.85 | 24.87 | 21.19 | 17.4 | 27.12 | 25.15 | 21.47 | 17.7 | 26.83 | 24.85 | 21.17 | 17.4 | 26.56 | 24.59 | 20.91 | 17.1 | 27.80 | 25.82 | 22.14 | 18.3 |
| | | kW | 2.79 | 2.79 | 2.78 | 2.8 | 3.14 | 3.14 | 3.13 | 3.2 | 3.54 | 3.53 | 3.53 | 3.6 | 3.96 | 3.96 | 3.95 | 4.0 | 4.44 | 4.44 | 4.43 | 4.5 | 5.00 | 5.00 | 4.99 | 5.0 |
| | | Amps | 10.64 | 10.63 | 10.61 | 10.7 | 12.18 | 12.17 | 12.14 | 12.3 | 13.89 | 13.88 | 13.85 | 14.0 | 15.75 | 15.73 | 15.71 | 15.8 | 17.82 | 17.81 | 17.78 | 17.9 | 20.25 | 20.24 | 20.21 | 20.3 |
| | | Hi PR | 260 | 261 | 263 | 267.8 | 302 | 303 | 305 | 309.2 | 345 | 346 | 348 | 352.5 | 392 | 393 | 395 | 399.2 | 442 | 443 | 445 | 449.5 | 496 | 497 | 499 | 503.2 |
| | | Lo PR | 120 | 121 | 124 | 129.3 | 127 | 128 | 132 | 136.7 | 133 | 135 | 138 | 143.1 | 139 | 140 | 143 | 148.6 | 144 | 146 | 149 | 153.9 | 151 | 152 | 155 | 160.6 |
| | 1300 | MBh | 43.3 | 43.9 | 45.2 | 47.1 | 42.9 | 43.5 | 44.8 | 46.8 | 41.8 | 42.4 | 43.7 | 45.6 | 39.9 | **40.5** | 41.8 | 43.7 | 37.6 | 38.2 | 39.4 | 41.4 | 35.4 | 36.0 | 37.3 | 39.2 |
| | | S/T | 0.75 | 0.68 | 0.55 | 0.4 | 0.76 | 0.69 | 0.56 | 0.4 | 1.00 | 0.71 | 0.58 | 0.4 | 1.00 | **0.73** | 0.60 | 0.5 | 1.00 | 0.75 | 0.62 | 0.5 | 1.00 | 1.00 | 0.67 | 0.5 |
| | | ΔT | 24.47 | 22.49 | 18.81 | 15.0 | 24.41 | 22.44 | 18.76 | 14.9 | 24.69 | 22.72 | 19.04 | 15.2 | 24.39 | **22.42** | 18.74 | 14.9 | 24.13 | 22.16 | 18.47 | 14.7 | 25.36 | 23.39 | 19.71 | 15.9 |
| | | kW | 2.83 | 2.82 | 2.82 | 2.8 | 3.18 | 3.18 | 3.17 | 3.2 | 3.57 | 3.57 | 3.57 | 3.6 | 4.00 | **4.00** | 3.99 | 4.0 | 4.48 | 4.47 | 4.47 | 4.5 | 5.04 | 5.03 | 5.03 | 5.1 |
| | | Amps | 10.81 | 10.79 | 10.77 | 10.9 | 12.34 | 12.33 | 12.30 | 12.4 | 14.05 | 14.04 | 14.02 | 14.1 | 15.91 | **15.90** | 15.87 | 16.0 | 17.98 | 17.97 | 17.94 | 18.1 | 20.41 | 20.40 | 20.37 | 20.5 |
| | | Hi PR | 265 | 266 | 268 | 272.1 | 306 | 307 | 309 | 313.5 | 349 | 350 | 352 | 356.8 | 396 | **397** | 399 | 403.5 | 446 | 447 | 449 | 453.8 | 500 | 501 | 503 | 507.5 |
| | | Lo PR | 123 | 124 | 127 | 132.5 | 130 | 132 | 135 | 139.9 | 137 | 138 | 141 | 146.4 | 142 | **144** | 147 | 151.8 | 147 | 149 | 152 | 157.2 | 154 | 156 | 159 | 163.9 |
| | 1600 | MBh | 44.7 | 45.3 | 46.5 | 48.5 | 44.3 | 44.9 | 46.2 | 48.1 | 43.2 | 43.8 | 45.0 | 47.0 | 41.2 | 41.9 | 43.1 | 45.1 | 38.9 | 39.5 | 40.8 | 42.7 | 36.8 | 37.4 | 38.6 | 40.6 |
| | | S/T | 0.80 | 0.72 | 0.60 | 0.5 | 1.00 | 0.73 | 0.60 | 0.5 | 1.00 | 0.75 | 0.63 | 0.5 | 1.00 | 0.77 | 0.64 | 0.5 | 1.00 | 0.79 | 0.66 | 0.5 | 1.00 | 1.00 | 0.71 | 0.6 |
| | | ΔT | 22.71 | 20.73 | 17.05 | 13.2 | 22.65 | 20.68 | 17.00 | 13.2 | 22.93 | 20.96 | 17.28 | 13.5 | 22.63 | 20.66 | 16.98 | 13.2 | 22.37 | 20.40 | 16.71 | 12.9 | 23.60 | 21.63 | 17.95 | 14.1 |
| | | kW | 2.85 | 2.85 | 2.85 | 2.9 | 3.21 | 3.20 | 3.20 | 3.2 | 3.60 | 3.60 | 3.59 | 3.6 | 4.03 | 4.03 | 4.02 | 4.0 | 4.50 | 4.50 | 4.50 | 4.5 | 5.06 | 5.06 | 5.05 | 5.1 |
| | | Amps | 10.92 | 10.91 | 10.89 | 11.0 | 12.46 | 12.45 | 12.42 | 12.5 | 14.17 | 14.16 | 14.13 | 14.3 | 16.03 | 16.01 | 15.99 | 16.1 | 18.10 | 18.09 | 18.06 | 18.2 | 20.53 | 20.52 | 20.49 | 20.6 |
| | | Hi PR | 269 | 270 | 272 | 276.2 | 310 | 311 | 313 | 317.5 | 353 | 354 | 356 | 360.9 | 400 | 401 | 403 | 407.5 | 450 | 451 | 453 | 457.8 | 504 | 505 | 507 | 511.5 |
| | | Lo PR | 127 | 128 | 131 | 136.4 | 134 | 136 | 139 | 143.8 | 140 | 142 | 145 | 150.2 | 146 | 147 | 150 | 155.7 | 151 | 153 | 156 | 161.0 | 158 | 159 | 163 | 167.7 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 1000 | MBh | 42.6 | 43.2 | 44.4 | 46.4 | 42.2 | 42.8 | 44.1 | 46.0 | 41.1 | 41.7 | 43.0 | 44.9 | 39.2 | 39.8 | 41.0 | 43.0 | 36.8 | 37.4 | 38.7 | 40.6 | 34.7 | 35.3 | 36.5 | 38.5 |
| | | S/T | 0.74 | 0.67 | 0.54 | 0.4 | 1.00 | 0.68 | 0.55 | 0.4 | 1.00 | 0.70 | 0.57 | 0.4 | 1.00 | 0.72 | 0.59 | 0.5 | 1.00 | 1.00 | 0.61 | 0.5 | 1.00 | 1.00 | 0.66 | 0.5 |
| | | ΔT | 31.26 | 29.29 | 25.61 | 21.8 | 31.21 | 29.24 | 25.56 | 21.7 | 31.49 | 29.52 | 25.83 | 22.0 | 31.19 | 29.22 | 25.54 | 21.7 | 30.93 | 28.96 | 25.27 | 21.5 | 32.16 | 30.19 | 26.51 | 22.7 |
| | | kW | 2.79 | 2.79 | 2.78 | 2.8 | 3.14 | 3.14 | 3.14 | 3.2 | 3.54 | 3.54 | 3.53 | 3.6 | 3.97 | 3.96 | 3.96 | 4.0 | 4.44 | 4.44 | 4.43 | 4.5 | 5.00 | 5.00 | 4.99 | 5.0 |
| | | Amps | 10.65 | 10.64 | 10.61 | 10.7 | 12.19 | 12.17 | 12.15 | 12.3 | 13.90 | 13.89 | 13.86 | 14.0 | 15.75 | 15.74 | 15.72 | 15.8 | 17.83 | 17.81 | 17.79 | 17.9 | 20.26 | 20.24 | 20.22 | 20.3 |
| | | Hi PR | 261 | 262 | 264 | 268.3 | 302 | 303 | 305 | 309.7 | 345 | 347 | 348 | 353.0 | 392 | 393 | 395 | 399.7 | 442 | 444 | 445 | 450.0 | 496 | 497 | 499 | 503.7 |
| | | Lo PR | 120 | 122 | 125 | 129.9 | 127 | 129 | 132 | 137.2 | 134 | 135 | 139 | 143.7 | 139 | 141 | 144 | 149.1 | 145 | 146 | 149 | 154.5 | 151 | 153 | 156 | 161.2 |
| | 1300 | MBh | 43.5 | 44.1 | 45.4 | 47.4 | 43.2 | 43.8 | 45.0 | 47.0 | 42.0 | 42.6 | 43.9 | 45.9 | 40.1 | 40.7 | **42.0** | 43.9 | 37.8 | 38.4 | 39.7 | 41.6 | 35.6 | 36.2 | 37.5 | 39.5 |
| | | S/T | 1.00 | 0.80 | 0.67 | 0.5 | 1.00 | 0.81 | 0.68 | 0.5 | 1.00 | 0.83 | 0.70 | 0.6 | 1.00 | 0.85 | **0.72** | 0.6 | 1.00 | 1.00 | 0.74 | 0.6 | 1.00 | 1.00 | 0.79 | 0.7 |
| | | ΔT | 28.83 | 26.86 | 23.18 | 19.4 | 28.78 | 26.81 | 23.12 | 19.3 | 29.05 | 27.08 | 23.40 | 19.6 | 28.76 | 26.79 | **23.10** | 19.3 | 28.49 | 26.52 | 22.84 | 19.0 | 29.73 | 27.76 | 24.07 | 20.3 |
| | | kW | 2.83 | 2.83 | 2.82 | 2.8 | 3.18 | 3.18 | 3.17 | 3.2 | 3.58 | 3.57 | 3.57 | 3.6 | 4.00 | 4.00 | **3.99** | 4.0 | 4.48 | 4.48 | 4.47 | 4.5 | 5.04 | 5.04 | 5.03 | 5.1 |
| | | Amps | 10.81 | 10.80 | 10.78 | 10.9 | 12.35 | 12.34 | 12.31 | 12.4 | 14.06 | 14.05 | 14.02 | 14.1 | 15.92 | 15.91 | **15.88** | 16.0 | 17.99 | 17.98 | 17.95 | 18.1 | 20.42 | 20.41 | 20.38 | 20.5 |
| | | Hi PR | 265 | 266 | 268 | 272.6 | 306 | 308 | 309 | 314.0 | 350 | 351 | 353 | 357.3 | 396 | 398 | **399** | 404.0 | 447 | 448 | 450 | 454.3 | 500 | 502 | 503 | 508.0 |
| | | Lo PR | 123 | 125 | 128 | 133.1 | 131 | 132 | 135 | 140.4 | 137 | 139 | 142 | 146.9 | 143 | 144 | **147** | 152.3 | 148 | 149 | 153 | 157.7 | 155 | 156 | 159 | 164.4 |
| | 1600 | MBh | 44.9 | 45.5 | 46.8 | 48.7 | 44.5 | 45.1 | 46.4 | 48.3 | 43.4 | 44.0 | 45.3 | 47.2 | 41.5 | 42.1 | 43.3 | 45.3 | 39.1 | 39.7 | 41.0 | 43.0 | 37.0 | 37.6 | 38.9 | 40.8 |
| | | S/T | 1.00 | 0.84 | 0.71 | 0.6 | 1.00 | 0.85 | 0.72 | 0.6 | 1.00 | 0.87 | 0.74 | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 | 1.00 | 1.00 | 0.78 | 0.6 | 1.00 | 1.00 | 0.83 | 0.7 |
| | | ΔT | 27.07 | 25.10 | 21.42 | 17.6 | 27.02 | 25.04 | 21.36 | 17.5 | 27.29 | 25.32 | 21.64 | 17.8 | 27.00 | 25.02 | 21.34 | 17.5 | 26.73 | 24.76 | 21.08 | 17.3 | 27.97 | 26.00 | 22.31 | 18.5 |
| | | kW | 2.86 | 2.85 | 2.85 | 2.9 | 3.21 | 3.21 | 3.20 | 3.2 | 3.60 | 3.60 | 3.59 | 3.6 | 4.03 | 4.03 | 4.02 | 4.0 | 4.51 | 4.50 | 4.50 | 4.5 | 5.07 | 5.06 | 5.06 | 5.1 |
| | | Amps | 10.93 | 10.92 | 10.89 | 11.0 | 12.47 | 12.45 | 12.43 | 12.5 | 14.18 | 14.17 | 14.14 | 14.3 | 16.03 | 16.02 | 16.00 | 16.1 | 18.11 | 18.09 | 18.07 | 18.2 | 20.54 | 20.52 | 20.50 | 20.6 |
| | | Hi PR | 269 | 270 | 272 | 276.6 | 310 | 312 | 313 | 318.0 | 354 | 355 | 357 | 361.3 | 400 | 402 | 403 | 408.0 | 451 | 452 | 454 | 458.3 | 504 | 506 | 507 | 512.0 |
| | | Lo PR | 127 | 129 | 132 | 136.9 | 135 | 136 | 139 | 144.3 | 141 | 143 | 146 | 150.7 | 146 | 148 | 151 | 156.2 | 152 | 153 | 156 | 161.5 | 159 | 160 | 163 | 168.2 |
| 85 | 1000 | MBh | 43.3 | 43.9 | 45.2 | 47.1 | 42.9 | 43.5 | 44.8 | 46.7 | 41.8 | 42.4 | 43.7 | 45.6 | 39.9 | 40.5 | 41.8 | 43.7 | 37.5 | 38.1 | 39.4 | 41.4 | 35.4 | 36.0 | 37.3 | 39.2 |
| | | S/T | 1.00 | 0.77 | 0.64 | 0.5 | 1.00 | 0.77 | 0.65 | 0.5 | 1.00 | 1.00 | 0.67 | 0.5 | 1.00 | 1.00 | 0.69 | 0.6 | 1.00 | 1.00 | 0.71 | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 |
| | | ΔT | 35.14 | 33.16 | 29.48 | 25.7 | 35.08 | 33.11 | 29.43 | 25.6 | 35.36 | 33.39 | 29.71 | 25.9 | 35.06 | 33.09 | 29.41 | 25.6 | 34.80 | 32.83 | 29.15 | 25.3 | 36.03 | 34.06 | 30.38 | 26.6 |
| | | kW | 2.80 | 2.80 | 2.79 | 2.8 | 3.15 | 3.15 | 3.14 | 3.2 | 3.55 | 3.54 | 3.54 | 3.6 | 3.97 | 3.97 | 3.96 | 4.0 | 4.45 | 4.45 | 4.44 | 4.5 | 5.01 | 5.00 | 5.00 | 5.0 |
| | | Amps | 10.68 | 10.67 | 10.64 | 10.8 | 12.22 | 12.20 | 12.18 | 12.3 | 13.93 | 13.92 | 13.89 | 14.0 | 15.78 | 15.77 | 15.75 | 15.9 | 17.86 | 17.84 | 17.82 | 17.9 | 20.29 | 20.27 | 20.25 | 20.4 |
| | | Hi PR | 262 | 263 | 265 | 269.6 | 303 | 305 | 306 | 310.9 | 347 | 348 | 350 | 354.2 | 393 | 394 | 396 | 400.9 | 444 | 445 | 447 | 451.2 | 497 | 498 | 500 | 504.9 |
| | | Lo PR | 122 | 123 | 127 | 131.7 | 129 | 131 | 134 | 139.0 | 136 | 137 | 140 | 145.5 | 141 | 143 | 146 | 150.9 | 147 | 148 | 151 | 156.3 | 153 | 155 | 158 | 163.0 |
| | 1300 | MBh | 44.3 | 44.9 | 46.1 | 48.1 | 43.9 | 44.5 | 45.8 | 47.7 | 42.8 | 43.4 | 44.6 | 46.6 | 40.8 | 41.4 | 42.7 | 44.7 | 38.5 | 39.1 | 40.4 | 42.3 | 36.4 | 37.0 | 38.2 | 40.2 |
| | | S/T | 1.00 | 0.90 | 0.77 | 0.6 | 1.00 | 0.90 | 0.77 | 0.6 | 1.00 | 1.00 | 0.80 | 0.7 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 32.70 | 30.73 | 27.05 | 23.2 | 32.65 | 30.68 | 26.99 | 23.2 | 32.93 | 30.95 | 27.27 | 23.5 | 32.63 | 30.66 | 26.97 | 23.2 | 32.36 | 30.39 | 26.71 | 22.9 | 33.60 | 31.63 | 27.95 | 24.1 |
| | | kW | 2.84 | 2.83 | 2.83 | 2.9 | 3.19 | 3.19 | 3.18 | 3.2 | 3.58 | 3.58 | 3.57 | 3.6 | 4.01 | 4.01 | 4.00 | 4.0 | 4.49 | 4.48 | 4.48 | 4.5 | 5.05 | 5.04 | 5.04 | 5.1 |
| | | Amps | 10.84 | 10.83 | 10.81 | 10.9 | 12.38 | 12.37 | 12.34 | 12.5 | 14.09 | 14.08 | 14.05 | 14.2 | 15.95 | 15.93 | 15.91 | 16.0 | 18.02 | 18.01 | 17.98 | 18.1 | 20.45 | 20.44 | 20.41 | 20.5 |
| | | Hi PR | 266 | 267 | 269 | 273.8 | 308 | 309 | 311 | 315.2 | 351 | 352 | 354 | 358.5 | 398 | 399 | 401 | 405.2 | 448 | 449 | 451 | 455.5 | 502 | 503 | 505 | 509.2 |
| | | Lo PR | 125 | 127 | 130 | 134.9 | 133 | 134 | 137 | 142.3 | 139 | 140 | 144 | 148.7 | 144 | 146 | 149 | 154.2 | 150 | 151 | 154 | 159.5 | 156 | 158 | 161 | 166.2 |
| | 1600 | MBh | 45.6 | 46.2 | 47.5 | 49.4 | 45.2 | 45.8 | 47.1 | 49.1 | 44.1 | 44.7 | 46.0 | 47.9 | 42.2 | 42.8 | 44.1 | 46.0 | 39.8 | 40.4 | 41.7 | 43.7 | 37.7 | 38.3 | 39.6 | 41.5 |
| | | S/T | 1.00 | 0.94 | 0.81 | 0.7 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 30.94 | 28.97 | 25.29 | 21.5 | 30.89 | 28.92 | 25.23 | 21.4 | 31.17 | 29.19 | 25.51 | 21.7 | 30.87 | 28.90 | 25.21 | 21.4 | 30.60 | 28.63 | 24.95 | 21.1 | 31.84 | 29.87 | 26.19 | 22.4 |
| | | kW | 2.86 | 2.86 | 2.85 | 2.9 | 3.22 | 3.21 | 3.21 | 3.2 | 3.61 | 3.61 | 3.60 | 3.6 | 4.04 | 4.03 | 4.03 | 4.1 | 4.51 | 4.51 | 4.50 | 4.5 | 5.07 | 5.07 | 5.06 | 5.1 |
| | | Amps | 10.96 | 10.95 | 10.92 | 11.0 | 12.50 | 12.48 | 12.46 | 12.6 | 14.21 | 14.20 | 14.17 | 14.3 | 16.06 | 16.05 | 16.03 | 16.1 | 18.14 | 18.12 | 18.10 | 18.2 | 20.57 | 20.55 | 20.53 | 20.6 |
| | | Hi PR | 270 | 271 | 273 | 277.9 | 312 | 313 | 315 | 319.2 | 355 | 356 | 358 | 362.6 | 402 | 403 | 405 | 409.2 | 452 | 453 | 455 | 459.5 | 506 | 507 | 509 | 513.2 |
| | | Lo PR | 129 | 131 | 134 | 138.7 | 136 | 138 | 141 | 146.1 | 143 | 144 | 147 | 152.5 | 148 | 150 | 153 | 158.0 | 154 | 155 | 158 | 163.4 | 160 | 162 | 165 | 170.1 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 800 | MBh | 30.5 | 31.0 | 31.9 | - | 30.3 | 30.7 | 31.6 | - | 29.5 | 29.9 | 30.8 | - | 28.1 | 28.5 | 29.4 | - | 26.4 | 26.8 | 27.8 | - | 24.9 | 25.3 | 26.2 | - |
| | | S/T | 0.55 | 0.48 | 0.34 | - | 0.56 | 0.48 | 0.35 | - | 0.58 | 0.51 | 0.37 | - | 1.00 | 0.52 | 0.39 | - | 1.00 | 0.55 | 0.41 | - | 1.00 | 0.60 | 0.46 | - |
| | | ΔT | 21.26 | 19.35 | 15.80 | - | 21.20 | 19.30 | 15.75 | - | 21.47 | 19.57 | 16.02 | - | 21.18 | 19.28 | 15.73 | - | 20.93 | 19.03 | 15.47 | - | 22.12 | 20.22 | 16.67 | - |
| | | kW | 1.76 | 1.76 | 1.76 | - | 1.98 | 1.98 | 1.98 | - | 2.23 | 2.23 | 2.23 | - | 2.50 | 2.50 | 2.49 | - | 2.80 | 2.80 | 2.79 | - | 3.15 | 3.15 | 3.15 | - |
| | | Amps | 6.72 | 6.72 | 6.70 | - | 7.69 | 7.68 | 7.67 | - | 8.77 | 8.76 | 8.74 | - | 9.93 | 9.93 | 9.91 | - | 11.24 | 11.23 | 11.21 | - | 12.77 | 12.76 | 12.74 | - |
| | | Hi PR | 249 | 251 | 252 | - | 289 | 290 | 292 | - | 330 | 332 | 333 | - | 375 | 376 | 378 | - | 423 | 424 | 426 | - | 474 | 476 | 477 | - |
| | | Lo PR | 124 | 125 | 128 | - | 131 | 133 | 136 | - | 138 | 139 | 142 | - | 143 | 145 | 148 | - | 149 | 150 | 154 | - | 156 | 157 | 160 | - |
| | 985 | MBh | 31.1 | 31.6 | 32.5 | - | 30.9 | 31.3 | 32.2 | - | 30.0 | 30.5 | 31.4 | - | 28.7 | 29.1 | 30.0 | - | 27.0 | 27.4 | 28.3 | - | 25.4 | 25.9 | 26.8 | - |
| | | S/T | 0.65 | 0.57 | 0.44 | - | 0.65 | 0.58 | 0.45 | - | 0.68 | 0.60 | 0.47 | - | 1.00 | 0.62 | 0.49 | - | 1.00 | 0.65 | 0.51 | - | 1.00 | 0.70 | 0.56 | - |
| | | ΔT | 19.43 | 17.52 | 13.97 | - | 19.37 | 17.47 | 13.92 | - | 19.64 | 17.74 | 14.19 | - | 19.35 | 17.45 | 13.90 | - | 19.10 | 17.20 | 13.64 | - | 20.29 | 18.39 | 14.84 | - |
| | | kW | 1.78 | 1.78 | 1.77 | - | 2.00 | 2.00 | 2.00 | - | 2.25 | 2.25 | 2.24 | - | 2.52 | 2.52 | 2.51 | - | 2.82 | 2.82 | 2.81 | - | 3.17 | 3.17 | 3.16 | - |
| | | Amps | 6.80 | 6.80 | 6.78 | - | 7.77 | 7.76 | 7.74 | - | 8.85 | 8.84 | 8.82 | - | 10.01 | 10.01 | 9.99 | - | 11.32 | 11.31 | 11.29 | - | 12.85 | 12.84 | 12.82 | - |
| | | Hi PR | 253 | 254 | 256 | - | 292 | 293 | 295 | - | 334 | 335 | 337 | - | 378 | 379 | 381 | - | 426 | 427 | 429 | - | 478 | 479 | 481 | - |
| | | Lo PR | 126 | 128 | 131 | - | 134 | 135 | 138 | - | 140 | 142 | 145 | - | 146 | 148 | 151 | - | 152 | 153 | 156 | - | 158 | 160 | 163 | - |
| | 1200 | MBh | 32.0 | 32.5 | 33.4 | - | 31.8 | 32.2 | 33.1 | - | 31.0 | 31.4 | 32.3 | - | 29.6 | 30.0 | 30.9 | - | 27.9 | 28.3 | 29.2 | - | 26.4 | 26.8 | 27.7 | - |
| | | S/T | 0.69 | 0.62 | 0.49 | - | 0.70 | 0.62 | 0.49 | - | 1.00 | 0.65 | 0.52 | - | 1.00 | 0.67 | 0.54 | - | 1.00 | 0.69 | 0.56 | - | 1.00 | 1.00 | 0.61 | - |
| | | ΔT | 17.81 | 15.91 | 12.35 | - | 17.76 | 15.86 | 12.30 | - | 18.03 | 16.12 | 12.57 | - | 17.74 | 15.84 | 12.28 | - | 17.48 | 15.58 | 12.03 | - | 18.68 | 16.77 | 13.22 | - |
| | | kW | 1.80 | 1.79 | 1.79 | - | 2.02 | 2.02 | 2.01 | - | 2.27 | 2.26 | 2.26 | - | 2.53 | 2.53 | 2.53 | - | 2.83 | 2.83 | 2.83 | - | 3.19 | 3.18 | 3.18 | - |
| | | Amps | 6.87 | 6.87 | 6.85 | - | 7.84 | 7.83 | 7.81 | - | 8.92 | 8.91 | 8.89 | - | 10.08 | 10.08 | 10.06 | - | 11.39 | 11.38 | 11.36 | - | 12.91 | 12.91 | 12.89 | - |
| | | Hi PR | 256 | 257 | 259 | - | 296 | 297 | 299 | - | 337 | 338 | 340 | - | 382 | 383 | 385 | - | 430 | 431 | 433 | - | 481 | 482 | 484 | - |
| | | Lo PR | 130 | 131 | 135 | - | 138 | 139 | 142 | - | 144 | 146 | 149 | - | 150 | 151 | 154 | - | 155 | 157 | 160 | - | 162 | 164 | 167 | - |
| 75 | 800 | MBh | 30.6 | 31.0 | 31.9 | 33.3 | 30.3 | 30.7 | 31.6 | 33.0 | 29.5 | 29.9 | 30.8 | 32.2 | 28.1 | 28.5 | 29.5 | 30.9 | 26.4 | 26.9 | 27.8 | 29.2 | 24.9 | 25.3 | 26.2 | 27.6 |
| | | S/T | 0.68 | 0.60 | 0.47 | 0.3 | 0.68 | 0.61 | 0.47 | 0.3 | 1.00 | 0.63 | 0.50 | 0.4 | 1.00 | 0.65 | 0.52 | 0.4 | 1.00 | 0.67 | 0.54 | 0.4 | 1.00 | 1.00 | 0.59 | 0.5 |
| | | ΔT | 25.44 | 23.54 | 19.98 | 16.3 | 25.39 | 23.48 | 19.93 | 16.3 | 25.66 | 23.75 | 20.20 | 16.5 | 25.37 | 23.47 | 19.91 | 16.2 | 25.11 | 23.21 | 19.66 | 16.0 | 26.31 | 24.40 | 20.85 | 17.2 |
| | | kW | 1.76 | 1.76 | 1.75 | 1.8 | 1.98 | 1.98 | 1.98 | 2.0 | 2.23 | 2.23 | 2.22 | 2.2 | 2.50 | 2.50 | 2.49 | 2.5 | 2.80 | 2.80 | 2.79 | 2.8 | 3.15 | 3.15 | 3.14 | 3.2 |
| | | Amps | 6.72 | 6.71 | 6.69 | 6.8 | 7.68 | 7.68 | 7.66 | 7.7 | 8.76 | 8.75 | 8.74 | 8.8 | 9.93 | 9.92 | 9.90 | 10.0 | 11.23 | 11.22 | 11.21 | 11.3 | 12.76 | 12.75 | 12.73 | 12.8 |
| | | Hi PR | 250 | 251 | 253 | 256.9 | 289 | 290 | 292 | 296.4 | 331 | 332 | 333 | 337.9 | 375 | 376 | 378 | 382.5 | 423 | 424 | 426 | 430.6 | 475 | 476 | 478 | 481.9 |
| | | Lo PR | 124 | 125 | 128 | 133.5 | 131 | 133 | 136 | 141.1 | 138 | 139 | 142 | 147.7 | 143 | 145 | 148 | 153.3 | 149 | 150 | 154 | 158.8 | 156 | 157 | 160 | 165.7 |
| | 985 | MBh | 31.1 | 31.6 | 32.5 | 33.9 | 30.9 | 31.3 | 32.2 | 33.6 | 30.1 | 30.5 | 31.4 | 32.8 | 28.7 | **29.1** | 30.0 | 31.4 | 27.0 | 27.4 | 28.4 | 29.8 | 25.5 | 25.9 | 26.8 | 28.2 |
| | | S/T | 0.77 | 0.70 | 0.57 | 0.4 | 1.00 | 0.71 | 0.57 | 0.4 | 1.00 | 0.73 | 0.60 | 0.5 | 1.00 | **0.75** | 0.62 | 0.5 | 1.00 | 0.77 | 0.64 | 0.5 | 1.00 | 1.00 | 0.69 | 0.5 |
| | | ΔT | 23.61 | 21.71 | 18.15 | 14.5 | 23.56 | 21.65 | 18.10 | 14.4 | 23.83 | 21.92 | 18.37 | 14.7 | 23.54 | **21.64** | 18.08 | 14.4 | 23.28 | 21.38 | 17.83 | 14.1 | 24.48 | 22.57 | 19.02 | 15.3 |
| | | kW | 1.78 | 1.78 | 1.77 | 1.8 | 2.00 | 2.00 | 1.99 | 2.0 | 2.25 | 2.25 | 2.24 | 2.3 | 2.52 | **2.51** | 2.51 | 2.5 | 2.82 | 2.81 | 2.81 | 2.8 | 3.17 | 3.17 | 3.16 | 3.2 |
| | | Amps | 6.80 | 6.79 | 6.77 | 6.8 | 7.76 | 7.76 | 7.74 | 7.8 | 8.84 | 8.83 | 8.82 | 8.9 | 10.01 | **10.00** | 9.98 | 10.1 | 11.31 | 11.30 | 11.29 | 11.4 | 12.84 | 12.83 | 12.81 | 12.9 |
| | | Hi PR | 253 | 254 | 256 | 260.2 | 292 | 294 | 295 | 299.7 | 334 | 335 | 337 | 341.1 | 379 | **380** | 381 | 385.7 | 427 | 428 | 429 | 433.8 | 478 | 479 | 481 | 485.2 |
| | | Lo PR | 126 | 128 | 131 | 136.3 | 134 | 135 | 139 | 143.8 | 140 | 142 | 145 | 150.5 | 146 | **148** | 151 | 156.1 | 152 | 153 | 156 | 161.6 | 158 | 160 | 163 | 168.4 |
| | 1200 | MBh | 32.1 | 32.5 | 33.4 | 34.8 | 31.8 | 32.2 | 33.1 | 34.5 | 31.0 | 31.4 | 32.3 | 33.7 | 29.6 | 30.0 | 30.9 | 32.3 | 27.9 | 28.3 | 29.3 | 30.7 | 26.4 | 26.8 | 27.7 | 29.1 |
| | | S/T | 0.82 | 0.74 | 0.61 | 0.5 | 1.00 | 0.75 | 0.62 | 0.5 | 1.00 | 0.77 | 0.64 | 0.5 | 1.00 | 0.79 | 0.66 | 0.5 | 1.00 | 1.00 | 0.68 | 0.5 | 1.00 | 1.00 | 0.73 | 0.6 |
| | | ΔT | 21.99 | 20.09 | 16.54 | 12.9 | 21.94 | 20.04 | 16.49 | 12.8 | 22.21 | 20.31 | 16.75 | 13.1 | 21.92 | 20.02 | 16.47 | 12.8 | 21.67 | 19.77 | 16.21 | 12.5 | 22.86 | 20.96 | 17.40 | 13.7 |
| | | kW | 1.79 | 1.79 | 1.79 | 1.8 | 2.02 | 2.01 | 2.01 | 2.0 | 2.26 | 2.26 | 2.26 | 2.3 | 2.53 | 2.53 | 2.53 | 2.5 | 2.83 | 2.83 | 2.83 | 2.8 | 3.18 | 3.18 | 3.18 | 3.2 |
| | | Amps | 6.87 | 6.86 | 6.84 | 6.9 | 7.83 | 7.83 | 7.81 | 7.9 | 8.91 | 8.90 | 8.89 | 9.0 | 10.08 | 10.07 | 10.05 | 10.1 | 11.38 | 11.37 | 11.36 | 11.4 | 12.91 | 12.90 | 12.88 | 13.0 |
| | | Hi PR | 257 | 258 | 259 | 263.8 | 296 | 297 | 299 | 303.3 | 338 | 339 | 340 | 344.8 | 382 | 383 | 385 | 389.4 | 430 | 431 | 433 | 437.5 | 482 | 483 | 484 | 488.8 |
| | | Lo PR | 130 | 132 | 135 | 140.0 | 138 | 139 | 142 | 147.5 | 144 | 146 | 149 | 154.2 | 150 | 151 | 154 | 159.8 | 155 | 157 | 160 | 165.3 | 162 | 164 | 167 | 172.2 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 800 | MBh | 30.7 | 31.2 | 32.1 | 33.5 | 30.4 | 30.9 | 31.8 | 33.2 | 29.6 | 30.1 | 31.0 | 32.4 | 28.3 | 28.7 | 29.6 | 31.0 | 26.6 | 27.0 | 27.9 | 29.3 | 25.0 | 25.5 | 26.4 | 27.8 |
| | | S/T | 1.00 | 0.72 | 0.59 | 0.5 | 1.00 | 0.73 | 0.60 | 0.5 | 1.00 | 0.75 | 0.62 | 0.5 | 1.00 | 1.00 | 0.64 | 0.5 | 1.00 | 1.00 | 0.66 | 0.5 | 1.00 | 1.00 | 0.71 | 0.6 |
| | | ΔT | 29.65 | 27.75 | 24.20 | 20.5 | 29.60 | 27.70 | 24.14 | 20.5 | 29.87 | 27.96 | 24.41 | 20.7 | 29.58 | 27.68 | 24.12 | 20.4 | 29.33 | 27.42 | 23.87 | 20.2 | 30.52 | 28.61 | 25.06 | 21.4 |
| | | kW | 1.76 | 1.76 | 1.76 | 1.8 | 1.98 | 1.98 | 1.98 | 2.0 | 2.23 | 2.23 | 2.23 | 2.2 | 2.50 | 2.50 | 2.49 | 2.5 | 2.80 | 2.80 | 2.79 | 2.8 | 3.15 | 3.15 | 3.15 | 3.2 |
| | | Amps | 6.72 | 6.71 | 6.70 | 6.8 | 7.69 | 7.68 | 7.66 | 7.7 | 8.77 | 8.76 | 8.74 | 8.8 | 9.93 | 9.92 | 9.91 | 10.0 | 11.24 | 11.23 | 11.21 | 11.3 | 12.76 | 12.76 | 12.74 | 12.8 |
| | | Hi PR | 250 | 251 | 253 | 257.3 | 290 | 291 | 293 | 296.9 | 331 | 332 | 334 | 338.3 | 376 | 377 | 379 | 382.9 | 424 | 425 | 427 | 431.0 | 475 | 476 | 478 | 482.3 |
| | | Lo PR | 124 | 126 | 129 | 134.1 | 132 | 133 | 136 | 141.7 | 138 | 140 | 143 | 148.3 | 144 | 145 | 149 | 153.9 | 149 | 151 | 154 | 159.4 | 156 | 158 | 161 | 166.3 |
| | 985 | MBh | 31.3 | 31.7 | 32.7 | 34.1 | 31.0 | 31.5 | 32.4 | 33.8 | 30.2 | 30.7 | 31.6 | 33.0 | 28.8 | 29.3 | **30.2** | 31.6 | 27.2 | 27.6 | 28.5 | 29.9 | 25.6 | 26.1 | 27.0 | 28.4 |
| | | S/T | 1.00 | 0.82 | 0.69 | 0.6 | 1.00 | 0.83 | 0.70 | 0.6 | 1.00 | 0.85 | 0.72 | 0.6 | 1.00 | 1.00 | **0.74** | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 | 1.00 | 1.00 | 0.81 | 0.7 |
| | | ΔT | 27.82 | 25.92 | 22.37 | 18.7 | 27.77 | 25.87 | 22.31 | 18.6 | 28.04 | 26.13 | 22.58 | 18.9 | 27.75 | 25.85 | **22.29** | 18.6 | 27.50 | 25.59 | 22.04 | 18.4 | 28.69 | 26.78 | 23.23 | 19.6 |
| | | kW | 1.78 | 1.78 | 1.77 | 1.8 | 2.00 | 2.00 | 2.00 | 2.0 | 2.25 | 2.25 | 2.24 | 2.3 | 2.52 | 2.52 | **2.51** | 2.5 | 2.82 | 2.82 | 2.81 | 2.8 | 3.17 | 3.17 | 3.16 | 3.2 |
| | | Amps | 6.80 | 6.79 | 6.78 | 6.9 | 7.77 | 7.76 | 7.74 | 7.8 | 8.85 | 8.84 | 8.82 | 8.9 | 10.01 | 10.00 | **9.99** | 10.1 | 11.31 | 11.31 | 11.29 | 11.4 | 12.84 | 12.84 | 12.82 | 12.9 |
| | | Hi PR | 253 | 254 | 256 | 260.6 | 293 | 294 | 296 | 300.2 | 334 | 335 | 337 | 341.6 | 379 | 380 | **382** | 386.2 | 427 | 428 | 430 | 434.3 | 478 | 479 | 481 | 485.6 |
| | | Lo PR | 127 | 128 | 132 | 136.8 | 134 | 136 | 139 | 144.4 | 141 | 143 | 146 | 151.0 | 147 | 148 | **151** | 156.6 | 152 | 154 | 157 | 162.1 | 159 | 161 | 164 | 169.0 |
| | 1200 | MBh | 32.2 | 32.6 | 33.6 | 35.0 | 31.9 | 32.4 | 33.3 | 34.7 | 31.1 | 31.6 | 32.5 | 33.9 | 29.8 | 30.2 | 31.1 | 32.5 | 28.1 | 28.5 | 29.4 | 30.8 | 26.5 | 27.0 | 27.9 | 29.3 |
| | | S/T | 1.00 | 0.87 | 0.73 | 0.6 | 1.00 | 0.87 | 0.74 | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 | 1.00 | 1.00 | 0.78 | 0.6 | 1.00 | 1.00 | 0.80 | 0.7 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 26.21 | 24.30 | 20.75 | 17.1 | 26.15 | 24.25 | 20.70 | 17.0 | 26.42 | 24.52 | 20.97 | 17.3 | 26.13 | 24.23 | 20.68 | 17.0 | 25.88 | 23.98 | 20.42 | 16.7 | 27.07 | 25.17 | 21.62 | 17.9 |
| | | kW | 1.80 | 1.79 | 1.79 | 1.8 | 2.02 | 2.02 | 2.01 | 2.0 | 2.27 | 2.26 | 2.26 | 2.3 | 2.53 | 2.53 | 2.53 | 2.5 | 2.83 | 2.83 | 2.83 | 2.8 | 3.19 | 3.18 | 3.18 | 3.2 |
| | | Amps | 6.87 | 6.86 | 6.85 | 6.9 | 7.84 | 7.83 | 7.81 | 7.9 | 8.92 | 8.91 | 8.89 | 9.0 | 10.08 | 10.07 | 10.06 | 10.1 | 11.38 | 11.38 | 11.36 | 11.4 | 12.91 | 12.91 | 12.89 | 13.0 |
| | | Hi PR | 257 | 258 | 260 | 264.3 | 297 | 298 | 299 | 303.8 | 338 | 339 | 341 | 345.2 | 383 | 384 | 385 | 389.8 | 431 | 432 | 434 | 437.9 | 482 | 483 | 485 | 489.3 |
| | | Lo PR | 131 | 132 | 135 | 140.5 | 138 | 140 | 143 | 148.1 | 145 | 146 | 149 | 154.7 | 150 | 152 | 155 | 160.3 | 156 | 157 | 161 | 165.8 | 163 | 164 | 167 | 172.7 |
| 85 | 800 | MBh | 31.2 | 31.7 | 32.6 | 34.0 | 31.0 | 31.4 | 32.3 | 33.7 | 30.2 | 30.6 | 31.5 | 32.9 | 28.8 | 29.2 | 30.1 | 31.5 | 27.1 | 27.5 | 28.4 | 29.8 | 25.6 | 26.0 | 26.9 | 28.3 |
| | | S/T | 1.00 | 0.82 | 0.69 | 0.6 | 1.00 | 0.83 | 0.70 | 0.6 | 1.00 | 1.00 | 0.72 | 0.6 | 1.00 | 1.00 | 0.74 | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 33.39 | 31.48 | 27.93 | 24.3 | 33.34 | 31.43 | 27.88 | 24.2 | 33.60 | 31.70 | 28.15 | 24.5 | 33.32 | 31.41 | 27.86 | 24.2 | 33.06 | 31.16 | 27.61 | 23.9 | 34.25 | 32.35 | 28.80 | 25.1 |
| | | kW | 1.77 | 1.76 | 1.76 | 1.8 | 1.99 | 1.99 | 1.98 | 2.0 | 2.24 | 2.23 | 2.23 | 2.2 | 2.50 | 2.50 | 2.50 | 2.5 | 2.80 | 2.80 | 2.80 | 2.8 | 3.16 | 3.15 | 3.15 | 3.2 |
| | | Amps | 6.74 | 6.73 | 6.72 | 6.8 | 7.71 | 7.70 | 7.68 | 7.8 | 8.78 | 8.78 | 8.76 | 8.8 | 9.95 | 9.94 | 9.93 | 10.0 | 11.25 | 11.25 | 11.23 | 11.3 | 12.78 | 12.77 | 12.76 | 12.8 |
| | | Hi PR | 251 | 252 | 254 | 258.5 | 291 | 292 | 294 | 298.1 | 332 | 333 | 335 | 339.5 | 377 | 378 | 380 | 384.1 | 425 | 426 | 428 | 432.2 | 476 | 477 | 479 | 483.5 |
| | | Lo PR | 126 | 127 | 131 | 136.0 | 134 | 135 | 138 | 143.5 | 140 | 142 | 145 | 150.2 | 146 | 147 | 150 | 155.8 | 151 | 153 | 156 | 161.3 | 158 | 160 | 163 | 168.1 |
| | 985 | MBh | 31.8 | 32.3 | 33.2 | 34.6 | 31.5 | 32.0 | 32.9 | 34.3 | 30.7 | 31.2 | 32.1 | 33.5 | 29.4 | 29.8 | 30.7 | 32.1 | 27.7 | 28.1 | 29.0 | 30.4 | 26.1 | 26.6 | 27.5 | 28.9 |
| | | S/T | 1.00 | 0.92 | 0.79 | 0.6 | 1.00 | 1.00 | 0.79 | 0.7 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 1.00 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 31.56 | 29.65 | 26.10 | 22.4 | 31.51 | 29.60 | 26.05 | 22.4 | 31.77 | 29.87 | 26.32 | 22.6 | 31.49 | 29.58 | 26.03 | 22.3 | 31.23 | 29.33 | 25.78 | 22.1 | 32.42 | 30.52 | 26.97 | 23.3 |
| | | kW | 1.78 | 1.78 | 1.78 | 1.8 | 2.01 | 2.00 | 2.00 | 2.0 | 2.25 | 2.25 | 2.25 | 2.3 | 2.52 | 2.52 | 2.52 | 2.5 | 2.82 | 2.82 | 2.82 | 2.8 | 3.17 | 3.17 | 3.17 | 3.2 |
| | | Amps | 6.82 | 6.81 | 6.80 | 6.9 | 7.79 | 7.78 | 7.76 | 7.8 | 8.86 | 8.86 | 8.84 | 8.9 | 10.03 | 10.02 | 10.01 | 10.1 | 11.33 | 11.33 | 11.31 | 11.4 | 12.86 | 12.85 | 12.84 | 12.9 |
| | | Hi PR | 255 | 256 | 257 | 261.8 | 294 | 295 | 297 | 301.3 | 336 | 337 | 338 | 342.8 | 380 | 381 | 383 | 387.4 | 428 | 429 | 431 | 435.5 | 480 | 481 | 482 | 486.8 |
| | | Lo PR | 129 | 130 | 133 | 138.7 | 136 | 138 | 141 | 146.2 | 143 | 144 | 148 | 152.9 | 148 | 150 | 153 | 158.5 | 154 | 156 | 159 | 164.0 | 161 | 162 | 166 | 170.9 |
| | 1200 | MBh | 32.7 | 33.2 | 34.1 | 35.5 | 32.5 | 32.9 | 33.8 | 35.2 | 31.7 | 32.1 | 33.0 | 34.4 | 30.3 | 30.7 | 31.6 | 33.0 | 28.6 | 29.0 | 29.9 | 31.3 | 27.0 | 27.5 | 28.4 | 29.8 |
| | | S/T | 1.00 | 0.96 | 0.83 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 29.94 | 28.04 | 24.49 | 20.8 | 29.89 | 27.99 | 24.43 | 20.8 | 30.16 | 28.25 | 24.70 | 21.0 | 29.87 | 27.97 | 24.42 | 20.7 | 29.62 | 27.71 | 24.16 | 20.5 | 30.81 | 28.90 | 25.35 | 21.7 |
| | | kW | 1.80 | 1.80 | 1.79 | 1.8 | 2.02 | 2.02 | 2.02 | 2.0 | 2.27 | 2.27 | 2.26 | 2.3 | 2.54 | 2.54 | 2.53 | 2.5 | 2.84 | 2.84 | 2.83 | 2.8 | 3.19 | 3.19 | 3.18 | 3.2 |
| | | Amps | 6.89 | 6.88 | 6.87 | 6.9 | 7.86 | 7.85 | 7.83 | 7.9 | 8.93 | 8.93 | 8.91 | 9.0 | 10.10 | 10.09 | 10.08 | 10.2 | 11.40 | 11.40 | 11.38 | 11.5 | 12.93 | 12.92 | 12.91 | 13.0 |
| | | Hi PR | 258 | 259 | 261 | 265.4 | 298 | 299 | 301 | 305.0 | 339 | 340 | 342 | 346.4 | 384 | 385 | 387 | 391.0 | 432 | 433 | 435 | 439.1 | 483 | 484 | 486 | 490.4 |
| | | Lo PR | 132 | 134 | 137 | 142.4 | 140 | 141 | 145 | 150.0 | 147 | 148 | 151 | 156.6 | 152 | 154 | 157 | 162.2 | 158 | 159 | 162 | 167.7 | 165 | 166 | 169 | 174.6 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 10-13 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 10-14°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 1400 | MBh | 45.9 | 46.6 | 47.9 | - | 45.5 | 46.1 | 47.5 | - | 44.3 | 45.0 | 46.3 | - | 42.2 | 42.9 | 44.3 | - | 39.7 | 40.4 | 41.7 | - | 37.4 | 38.1 | 39.5 | - |
| | | S/T | 0.65 | 0.57 | 0.43 | - | 0.65 | 0.57 | 0.43 | - | 0.68 | 0.60 | 0.46 | - | 0.70 | 0.62 | 0.48 | - | 1.00 | 0.64 | 0.50 | - | 1.00 | 0.70 | 0.56 | - |
| | | ΔT | 19.20 | 17.40 | 14.04 | - | 19.15 | 17.35 | 13.99 | - | 19.41 | 17.61 | 14.24 | - | 19.13 | 17.33 | 13.97 | - | 18.89 | 17.09 | 13.73 | - | 20.02 | 18.22 | 14.86 | - |
| | | kW | 3.05 | 3.04 | 3.04 | - | 3.42 | 3.41 | 3.41 | - | 3.83 | 3.82 | 3.82 | - | 4.27 | 4.27 | 4.26 | - | 4.77 | 4.77 | 4.76 | - | 5.36 | 5.35 | 5.35 | - |
| | | Amps | 11.20 | 11.19 | 11.16 | - | 12.81 | 12.80 | 12.77 | - | 14.60 | 14.59 | 14.56 | - | 16.54 | 16.53 | 16.50 | - | 18.71 | 18.70 | 18.67 | - | 21.25 | 21.24 | 21.21 | - |
| | | Hi PR | 265 | 266 | 268 | - | 307 | 308 | 310 | - | 351 | 352 | 354 | - | 398 | 399 | 401 | - | 449 | 450 | 452 | - | 503 | 504 | 506 | - |
| | | Lo PR | 121 | 123 | 126 | - | 129 | 130 | 133 | - | 135 | 137 | 140 | - | 141 | 142 | 145 | - | 146 | 147 | 150 | - | 153 | 154 | 157 | - |
| | 1550 | MBh | 46.4 | 47.0 | 48.4 | - | 46.0 | 46.6 | 48.0 | - | 44.8 | 45.4 | 46.8 | - | 42.7 | 43.4 | 44.7 | - | 40.2 | 40.9 | 42.2 | - | 37.9 | 38.6 | 39.9 | - |
| | | S/T | 0.69 | 0.61 | 0.47 | - | 0.70 | 0.62 | 0.48 | - | 0.73 | 0.65 | 0.51 | - | 0.75 | 0.67 | 0.53 | - | 1.00 | 0.69 | 0.55 | - | 1.00 | 0.74 | 0.60 | - |
| | | ΔT | 18.38 | 16.58 | 13.22 | - | 18.33 | 16.53 | 13.17 | - | 18.58 | 16.78 | 13.42 | - | 18.31 | 16.51 | 13.15 | - | 18.07 | 16.27 | 12.91 | - | 19.20 | 17.40 | 14.04 | - |
| | | kW | 3.06 | 3.06 | 3.05 | - | 3.43 | 3.43 | 3.42 | - | 3.84 | 3.84 | 3.83 | - | 4.29 | 4.29 | 4.28 | - | 4.79 | 4.78 | 4.78 | - | 5.37 | 5.37 | 5.36 | - |
| | | Amps | 11.27 | 11.25 | 11.23 | - | 12.87 | 12.86 | 12.83 | - | 14.67 | 14.65 | 14.63 | - | 16.61 | 16.59 | 16.57 | - | 18.77 | 18.76 | 18.73 | - | 21.32 | 21.30 | 21.28 | - |
| | | Hi PR | 267 | 268 | 270 | - | 309 | 310 | 312 | - | 352 | 354 | 355 | - | 399 | 401 | 403 | - | 450 | 451 | 453 | - | 504 | 506 | 507 | - |
| | | Lo PR | 123 | 124 | 127 | - | 130 | 132 | 135 | - | 137 | 138 | 141 | - | 142 | 143 | 147 | - | 147 | 149 | 152 | - | 154 | 155 | 159 | - |
| | 1700 | MBh | 46.9 | 47.6 | 48.9 | - | 46.5 | 47.2 | 48.5 | - | 45.3 | 46.0 | 47.3 | - | 43.3 | 43.9 | 45.3 | - | 40.8 | 41.4 | 42.8 | - | 38.5 | 39.1 | 40.5 | - |
| | | S/T | 0.72 | 0.64 | 0.50 | - | 0.73 | 0.65 | 0.51 | - | 0.75 | 0.68 | 0.53 | - | 1.00 | 0.70 | 0.55 | - | 1.00 | 0.72 | 0.58 | - | 1.00 | 0.77 | 0.63 | - |
| | | ΔT | 17.66 | 15.86 | 12.50 | - | 17.61 | 15.81 | 12.45 | - | 17.86 | 16.06 | 12.70 | - | 17.59 | 15.79 | 12.43 | - | 17.35 | 15.55 | 12.19 | - | 18.48 | 16.68 | 13.32 | - |
| | | kW | 3.07 | 3.07 | 3.06 | - | 3.44 | 3.44 | 3.43 | - | 3.85 | 3.85 | 3.85 | - | 4.30 | 4.30 | 4.29 | - | 4.80 | 4.80 | 4.79 | - | 5.38 | 5.38 | 5.38 | - |
| | | Amps | 11.32 | 11.31 | 11.28 | - | 12.93 | 12.91 | 12.89 | - | 14.72 | 14.71 | 14.68 | - | 16.66 | 16.65 | 16.62 | - | 18.83 | 18.82 | 18.79 | - | 21.37 | 21.36 | 21.33 | - |
| | | Hi PR | 269 | 270 | 272 | - | 310 | 311 | 313 | - | 354 | 355 | 357 | - | 401 | 402 | 404 | - | 452 | 453 | 455 | - | 506 | 507 | 509 | - |
| | | Lo PR | 124 | 126 | 129 | - | 132 | 133 | 136 | - | 138 | 139 | 143 | - | 143 | 145 | 148 | - | 149 | 150 | 153 | - | 155 | 157 | 160 | - |
| 75 | 1400 | MBh | 45.9 | 46.6 | 47.9 | 50.0 | 45.5 | 46.2 | 47.5 | 49.6 | 44.3 | 45.0 | 46.3 | 48.4 | 42.3 | 42.9 | 44.3 | 46.4 | 39.8 | 40.4 | 41.8 | 43.9 | 37.5 | 38.1 | 39.5 | 41.6 |
| | | S/T | 0.78 | 0.70 | 0.56 | 0.4 | 0.79 | 0.71 | 0.57 | 0.4 | 1.00 | 0.73 | 0.59 | 0.4 | 1.00 | 0.76 | 0.61 | 0.5 | 1.00 | 0.78 | 0.64 | 0.5 | 1.00 | 0.83 | 0.69 | 0.5 |
| | | ΔT | 23.16 | 21.36 | 18.00 | 14.5 | 23.11 | 21.31 | 17.95 | 14.5 | 23.36 | 21.56 | 18.20 | 14.7 | 23.09 | 21.29 | 17.93 | 14.4 | 22.85 | 21.05 | 17.69 | 14.2 | 23.98 | 22.18 | 18.82 | 15.3 |
| | | kW | 3.04 | 3.04 | 3.03 | 3.1 | 3.41 | 3.41 | 3.40 | 3.4 | 3.83 | 3.82 | 3.82 | 3.8 | 4.27 | 4.27 | 4.26 | 4.3 | 4.77 | 4.77 | 4.76 | 4.8 | 5.35 | 5.35 | 5.35 | 5.4 |
| | | Amps | 11.19 | 11.18 | 11.15 | 11.3 | 12.80 | 12.79 | 12.76 | 12.9 | 14.59 | 14.58 | 14.55 | 14.7 | 16.53 | 16.52 | 16.49 | 16.6 | 18.70 | 18.69 | 18.66 | 18.8 | 21.24 | 21.23 | 21.20 | 21.3 |
| | | Hi PR | 265 | 267 | 268 | 273.0 | 307 | 308 | 310 | 314.8 | 351 | 352 | 354 | 358.5 | 398 | 399 | 401 | 405.6 | 449 | 450 | 452 | 456.4 | 503 | 504 | 506 | 510.6 |
| | | Lo PR | 121 | 123 | 126 | 131.1 | 129 | 130 | 133 | 138.4 | 135 | 137 | 140 | 144.9 | 141 | 142 | 145 | 150.3 | 146 | 147 | 151 | 155.7 | 153 | 154 | 157 | 162.4 |
| | 1550 | MBh | 46.4 | 47.1 | 48.4 | 50.5 | 46.0 | 46.6 | 48.0 | 50.1 | 44.8 | 45.5 | 46.8 | 48.9 | 42.7 | **43.4** | 44.8 | 46.9 | 40.2 | 40.9 | 42.2 | 44.3 | 37.9 | 38.6 | 40.0 | 42.0 |
| | | S/T | 0.83 | 0.75 | 0.61 | 0.5 | 0.83 | 0.75 | 0.61 | 0.5 | 1.00 | 0.78 | 0.64 | 0.5 | 1.00 | **0.80** | 0.66 | 0.5 | 1.00 | 0.82 | 0.68 | 0.5 | 1.00 | 1.00 | 0.74 | 0.6 |
| | | ΔT | 22.34 | 20.54 | 17.18 | 13.7 | 22.29 | 20.49 | 17.13 | 13.6 | 22.54 | 20.74 | 17.38 | 13.9 | 22.27 | **20.47** | 17.11 | 13.6 | 22.03 | 20.23 | 16.87 | 13.4 | 23.16 | 21.36 | 18.00 | 14.5 |
| | | kW | 3.06 | 3.06 | 3.05 | 3.1 | 3.43 | 3.42 | 3.42 | 3.4 | 3.84 | 3.84 | 3.83 | 3.9 | 4.29 | **4.28** | 4.28 | 4.3 | 4.78 | 4.78 | 4.78 | 4.8 | 5.37 | 5.37 | 5.36 | 5.4 |
| | | Amps | 11.26 | 11.24 | 11.22 | 11.3 | 12.86 | 12.85 | 12.82 | 12.9 | 14.66 | 14.64 | 14.61 | 14.7 | 16.60 | **16.58** | 16.56 | 16.7 | 18.76 | 18.75 | 18.72 | 18.8 | 21.31 | 21.29 | 21.27 | 21.4 |
| | | Hi PR | 267 | 268 | 270 | 274.7 | 309 | 310 | 312 | 316.5 | 353 | 354 | 356 | 360.2 | 400 | **401** | 403 | 407.4 | 451 | 452 | 454 | 458.1 | 505 | 506 | 508 | 512.3 |
| | | Lo PR | 123 | 124 | 127 | 132.5 | 130 | 132 | 135 | 139.8 | 137 | 138 | 141 | 146.3 | 142 | **143** | 147 | 151.7 | 147 | 149 | 152 | 157.0 | 154 | 156 | 159 | 163.7 |
| | 1700 | MBh | 47.0 | 47.6 | 49.0 | 51.1 | 46.5 | 47.2 | 48.6 | 50.7 | 45.4 | 46.0 | 47.4 | 49.5 | 43.3 | 43.9 | 45.3 | 47.4 | 40.8 | 41.4 | 42.8 | 44.9 | 38.5 | 39.1 | 40.5 | 42.6 |
| | | S/T | 0.86 | 0.78 | 0.64 | 0.5 | 0.86 | 0.78 | 0.64 | 0.5 | 1.00 | 0.81 | 0.67 | 0.5 | 1.00 | 0.83 | 0.69 | 0.5 | 1.00 | 0.85 | 0.71 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 |
| | | ΔT | 21.62 | 19.82 | 16.46 | 13.0 | 21.57 | 19.77 | 16.41 | 12.9 | 21.82 | 20.02 | 16.66 | 13.2 | 21.55 | 19.75 | 16.39 | 12.9 | 21.31 | 19.51 | 16.15 | 12.7 | 22.44 | 20.64 | 17.28 | 13.8 |
| | | kW | 3.07 | 3.07 | 3.06 | 3.1 | 3.44 | 3.44 | 3.43 | 3.5 | 3.85 | 3.85 | 3.84 | 3.9 | 4.30 | 4.30 | 4.29 | 4.3 | 4.80 | 4.79 | 4.79 | 4.8 | 5.38 | 5.38 | 5.37 | 5.4 |
| | | Amps | 11.31 | 11.30 | 11.27 | 11.4 | 12.92 | 12.90 | 12.88 | 13.0 | 14.71 | 14.70 | 14.67 | 14.8 | 16.65 | 16.64 | 16.61 | 16.7 | 18.82 | 18.81 | 18.78 | 18.9 | 21.36 | 21.35 | 21.32 | 21.4 |
| | | Hi PR | 269 | 270 | 272 | 276.4 | 311 | 312 | 314 | 318.2 | 354 | 355 | 357 | 361.9 | 401 | 403 | 404 | 409.0 | 452 | 453 | 455 | 459.8 | 506 | 508 | 509 | 514.0 |
| | | Lo PR | 124 | 126 | 129 | 134.0 | 132 | 133 | 136 | 141.3 | 138 | 140 | 143 | 147.8 | 143 | 145 | 148 | 153.2 | 149 | 150 | 153 | 158.5 | 156 | 157 | 160 | 165.2 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 1400 | MBh | 46.2 | 46.8 | 48.2 | 50.3 | 45.8 | 46.4 | 47.8 | 49.9 | 44.6 | 45.2 | 46.6 | 48.7 | 42.5 | 43.2 | 44.5 | 46.6 | 40.0 | 40.6 | 42.0 | 44.1 | 37.7 | 38.3 | 39.7 | 41.8 |
| | | S/T | 0.91 | 0.83 | 0.69 | 0.5 | 1.00 | 0.84 | 0.70 | 0.5 | 1.00 | 0.87 | 0.72 | 0.6 | 1.00 | 0.89 | 0.74 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 | 1.00 | 1.00 | 0.82 | 0.7 |
| | | ΔT | 27.15 | 25.35 | 21.98 | 18.5 | 27.10 | 25.30 | 21.94 | 18.5 | 27.35 | 25.55 | 22.19 | 18.7 | 27.08 | 25.28 | 21.92 | 18.4 | 26.84 | 25.04 | 21.68 | 18.2 | 27.97 | 26.16 | 22.80 | 19.3 |
| | | kW | 3.05 | 3.04 | 3.04 | 3.1 | 3.41 | 3.41 | 3.41 | 3.4 | 3.83 | 3.82 | 3.82 | 3.8 | 4.27 | 4.27 | 4.26 | 4.3 | 4.77 | 4.77 | 4.76 | 4.8 | 5.36 | 5.35 | 5.35 | 5.4 |
| | | Amps | 11.20 | 11.19 | 11.16 | 11.3 | 12.81 | 12.80 | 12.77 | 12.9 | 14.60 | 14.59 | 14.56 | 14.7 | 16.54 | 16.53 | 16.50 | 16.6 | 18.71 | 18.70 | 18.67 | 18.8 | 21.25 | 21.24 | 21.21 | 21.3 |
| | | Hi PR | 266 | 267 | 269 | 273.5 | 308 | 309 | 311 | 315.3 | 351 | 353 | 354 | 359.0 | 398 | 400 | 402 | 406.1 | 449 | 450 | 452 | 456.9 | 503 | 505 | 506 | 511.1 |
| | | Lo PR | 122 | 123 | 126 | 131.6 | 129 | 131 | 134 | 139.0 | 136 | 137 | 140 | 145.4 | 141 | 143 | 146 | 150.8 | 146 | 148 | 151 | 156.2 | 153 | 155 | 158 | 162.9 |
| | 1550 | MBh | 46.6 | 47.3 | 48.7 | 50.8 | 46.2 | 46.9 | 48.3 | 50.3 | 45.0 | 45.7 | 47.1 | 49.1 | 43.0 | 43.6 | **45.0** | 47.1 | 40.5 | 41.1 | 42.5 | 44.6 | 38.2 | 38.8 | 40.2 | 42.3 |
| | | S/T | 1.00 | 0.88 | 0.74 | 0.6 | 1.00 | 0.89 | 0.74 | 0.6 | 1.00 | 0.91 | 0.77 | 0.6 | 1.00 | 0.93 | **0.79** | 0.6 | 1.00 | 1.00 | 0.81 | 0.7 | 1.00 | 1.00 | 0.87 | 0.7 |
| | | ΔT | 26.32 | 24.52 | 21.16 | 17.7 | 26.27 | 24.47 | 21.11 | 17.6 | 26.53 | 24.73 | 21.37 | 17.9 | 26.26 | 24.46 | **21.09** | 17.6 | 26.02 | 24.22 | 20.85 | 17.4 | 27.14 | 25.34 | 21.98 | 18.5 |
| | | kW | 3.06 | 3.06 | 3.05 | 3.1 | 3.43 | 3.43 | 3.42 | 3.4 | 3.84 | 3.84 | 3.83 | 3.9 | 4.29 | 4.28 | **4.28** | 4.3 | 4.79 | 4.78 | 4.78 | 4.8 | 5.37 | 5.37 | 5.36 | 5.4 |
| | | Amps | 11.26 | 11.25 | 11.22 | 11.3 | 12.87 | 12.86 | 12.83 | 13.0 | 14.66 | 14.65 | 14.62 | 14.7 | 16.60 | 16.59 | **16.56** | 16.7 | 18.77 | 18.76 | 18.73 | 18.9 | 21.31 | 21.30 | 21.27 | 21.4 |
| | | Hi PR | 268 | 269 | 271 | 275.2 | 309 | 311 | 312 | 317.0 | 353 | 354 | 356 | 360.7 | 400 | 401 | **403** | 407.8 | 451 | 452 | 454 | 458.6 | 505 | 506 | 508 | 512.8 |
| | | Lo PR | 123 | 125 | 128 | 133.0 | 131 | 132 | 135 | 140.3 | 137 | 139 | 142 | 146.8 | 143 | 144 | **147** | 152.2 | 148 | 149 | 152 | 157.6 | 155 | 156 | 159 | 164.3 |
| | 1700 | MBh | 47.2 | 47.8 | 49.2 | 51.3 | 46.8 | 47.4 | 48.8 | 50.9 | 45.6 | 46.2 | 47.6 | 49.7 | 43.5 | 44.2 | 45.5 | 47.6 | 41.0 | 41.7 | 43.0 | 45.1 | 38.7 | 39.4 | 40.7 | 42.8 |
| | | S/T | 1.00 | 0.91 | 0.77 | 0.6 | 1.00 | 0.91 | 0.77 | 0.6 | 1.00 | 0.94 | 0.80 | 0.7 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.90 | 0.7 |
| | | ΔT | 25.60 | 23.80 | 20.44 | 17.0 | 25.55 | 23.75 | 20.39 | 16.9 | 25.81 | 24.01 | 20.65 | 17.2 | 25.54 | 23.74 | 20.37 | 16.9 | 25.30 | 23.50 | 20.13 | 16.7 | 26.42 | 24.62 | 21.26 | 17.8 |
| | | kW | 3.07 | 3.07 | 3.06 | 3.1 | 3.44 | 3.44 | 3.43 | 3.5 | 3.85 | 3.85 | 3.85 | 3.9 | 4.30 | 4.30 | 4.29 | 4.3 | 4.80 | 4.80 | 4.79 | 4.8 | 5.38 | 5.38 | 5.37 | 5.4 |
| | | Amps | 11.32 | 11.31 | 11.28 | 11.4 | 12.93 | 12.91 | 12.89 | 13.0 | 14.72 | 14.71 | 14.68 | 14.8 | 16.66 | 16.65 | 16.62 | 16.7 | 18.83 | 18.81 | 18.79 | 18.9 | 21.37 | 21.36 | 21.33 | 21.5 |
| | | Hi PR | 269 | 270 | 272 | 276.9 | 311 | 312 | 314 | 318.7 | 355 | 356 | 358 | 362.4 | 402 | 403 | 405 | 409.5 | 453 | 454 | 456 | 460.3 | 507 | 508 | 510 | 514.5 |
| | | Lo PR | 125 | 126 | 129 | 134.5 | 132 | 134 | 137 | 141.8 | 139 | 140 | 143 | 148.3 | 144 | 146 | 149 | 153.7 | 149 | 151 | 154 | 159.1 | 156 | 158 | 161 | 165.8 |
| 85 | 1400 | MBh | 46.9 | 47.6 | 49.0 | 51.0 | 46.5 | 47.2 | 48.5 | 50.6 | 45.3 | 46.0 | 47.4 | 49.4 | 43.3 | 43.9 | 45.3 | 47.4 | 40.8 | 41.4 | 42.8 | 44.9 | 38.5 | 39.1 | 40.5 | 42.6 |
| | | S/T | 1.00 | 0.94 | 0.80 | 0.6 | 1.00 | 0.94 | 0.80 | 0.7 | 1.00 | 1.00 | 0.83 | 0.7 | 1.00 | 1.00 | 0.85 | 0.7 | 1.00 | 1.00 | 0.87 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 30.68 | 28.88 | 25.52 | 22.0 | 30.63 | 28.83 | 25.47 | 22.0 | 30.88 | 29.08 | 25.72 | 22.2 | 30.61 | 28.81 | 25.45 | 22.0 | 30.37 | 28.57 | 25.21 | 21.7 | 31.50 | 29.70 | 26.34 | 22.9 |
| | | kW | 3.05 | 3.05 | 3.04 | 3.1 | 3.42 | 3.42 | 3.41 | 3.4 | 3.83 | 3.83 | 3.82 | 3.9 | 4.28 | 4.28 | 4.27 | 4.3 | 4.78 | 4.78 | 4.77 | 4.8 | 5.36 | 5.36 | 5.35 | 5.4 |
| | | Amps | 11.23 | 11.22 | 11.19 | 11.3 | 12.84 | 12.83 | 12.80 | 12.9 | 14.63 | 14.62 | 14.59 | 14.7 | 16.57 | 16.56 | 16.53 | 16.7 | 18.74 | 18.73 | 18.70 | 18.8 | 21.28 | 21.27 | 21.24 | 21.4 |
| | | Hi PR | 267 | 268 | 270 | 274.7 | 309 | 310 | 312 | 316.5 | 353 | 354 | 356 | 360.3 | 400 | 401 | 403 | 407.4 | 451 | 452 | 454 | 458.1 | 505 | 506 | 508 | 512.4 |
| | | Lo PR | 124 | 125 | 128 | 133.4 | 131 | 133 | 136 | 140.8 | 137 | 139 | 142 | 147.2 | 143 | 144 | 148 | 152.7 | 148 | 150 | 153 | 158.0 | 155 | 156 | 160 | 164.7 |
| | 1550 | MBh | 47.4 | 48.1 | 49.4 | 51.5 | 47.0 | 47.7 | 49.0 | 51.1 | 45.8 | 46.5 | 47.8 | 49.9 | 43.8 | 44.4 | 45.8 | 47.9 | 41.2 | 41.9 | 43.3 | 45.3 | 38.9 | 39.6 | 41.0 | 43.1 |
| | | S/T | 1.00 | 0.98 | 0.84 | 0.7 | 1.00 | 0.99 | 0.85 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 0.90 | 0.7 | 1.00 | 1.00 | 0.92 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 29.86 | 28.06 | 24.70 | 21.2 | 29.81 | 28.01 | 24.65 | 21.2 | 30.06 | 28.26 | 24.90 | 21.4 | 29.79 | 27.99 | 24.63 | 21.1 | 29.55 | 27.75 | 24.39 | 20.9 | 30.68 | 28.88 | 25.52 | 22.0 |
| | | kW | 3.07 | 3.06 | 3.06 | 3.1 | 3.44 | 3.43 | 3.43 | 3.5 | 3.85 | 3.85 | 3.84 | 3.9 | 4.29 | 4.29 | 4.29 | 4.3 | 4.79 | 4.79 | 4.78 | 4.8 | 5.38 | 5.38 | 5.37 | 5.4 |
| | | Amps | 11.30 | 11.28 | 11.26 | 11.4 | 12.90 | 12.89 | 12.86 | 13.0 | 14.69 | 14.68 | 14.65 | 14.8 | 16.63 | 16.62 | 16.59 | 16.7 | 18.80 | 18.79 | 18.76 | 18.9 | 21.35 | 21.33 | 21.31 | 21.4 |
| | | Hi PR | 269 | 270 | 272 | 276.5 | 311 | 312 | 314 | 318.2 | 354 | 356 | 357 | 362.0 | 401 | 403 | 404 | 409.1 | 452 | 453 | 455 | 459.9 | 506 | 508 | 509 | 514.1 |
| | | Lo PR | 125 | 127 | 130 | 134.8 | 132 | 134 | 137 | 142.2 | 139 | 140 | 143 | 148.6 | 144 | 146 | 149 | 154.0 | 150 | 151 | 154 | 159.4 | 156 | 158 | 161 | 166.1 |
| | 1700 | MBh | 48.0 | 48.6 | 50.0 | 52.1 | 47.6 | 48.2 | 49.6 | 51.7 | 46.4 | 47.0 | 48.4 | 50.5 | 44.3 | 45.0 | 46.3 | 48.4 | 41.8 | 42.4 | 43.8 | 45.9 | 39.5 | 40.1 | 41.5 | 43.6 |
| | | S/T | 1.00 | 1.00 | 0.87 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 0.90 | 0.8 | 1.00 | 1.00 | 0.93 | 0.8 | 1.00 | 1.00 | 0.95 | 0.8 | 1.00 | 1.00 | 1.00 | 0.9 |
| | | ΔT | 29.14 | 27.34 | 23.98 | 20.5 | 29.09 | 27.29 | 23.93 | 20.4 | 29.34 | 27.54 | 24.18 | 20.7 | 29.07 | 27.27 | 23.91 | 20.4 | 28.83 | 27.03 | 23.67 | 20.2 | 29.96 | 28.16 | 24.80 | 21.3 |
| | | kW | 3.08 | 3.08 | 3.07 | 3.1 | 3.45 | 3.45 | 3.44 | 3.5 | 3.86 | 3.86 | 3.85 | 3.9 | 4.31 | 4.30 | 4.30 | 4.3 | 4.81 | 4.80 | 4.80 | 4.8 | 5.39 | 5.39 | 5.38 | 5.4 |
| | | Amps | 11.35 | 11.34 | 11.31 | 11.4 | 12.96 | 12.94 | 12.92 | 13.0 | 14.75 | 14.74 | 14.71 | 14.8 | 16.69 | 16.68 | 16.65 | 16.8 | 18.86 | 18.84 | 18.82 | 18.9 | 21.40 | 21.39 | 21.36 | 21.5 |
| | | Hi PR | 271 | 272 | 274 | 278.2 | 312 | 313 | 315 | 319.9 | 356 | 357 | 359 | 363.7 | 403 | 404 | 406 | 410.8 | 454 | 455 | 457 | 461.6 | 508 | 509 | 511 | 515.8 |
| | | Lo PR | 127 | 128 | 131 | 136.3 | 134 | 135 | 139 | 143.7 | 140 | 142 | 145 | 150.1 | 146 | 147 | 150 | 155.5 | 151 | 153 | 156 | 160.9 | 158 | 159 | 162 | 167.6 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 10-13 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 10-14°F @ the compressor suction access fitting connection.

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 800 | MBh | 32.6 | 33.1 | 34.1 | - | 32.4 | 32.8 | 33.8 | - | 31.5 | 32.0 | 32.9 | - | 30.0 | 30.5 | 31.5 | - | 28.2 | 28.7 | 29.7 | - | 26.6 | 27.0 | 28.0 | - |
| | | S/T | 0.58 | 0.50 | 0.35 | - | 0.59 | 0.51 | 0.36 | - | 0.61 | 0.53 | 0.39 | - | 0.63 | 0.55 | 0.41 | - | 1.00 | 0.58 | 0.43 | - | 1.00 | 0.63 | 0.49 | - |
| | | ΔT | 19.71 | 17.97 | 14.73 | - | 19.66 | 17.92 | 14.68 | - | 19.91 | 18.17 | 14.93 | - | 19.64 | 17.91 | 14.66 | - | 19.41 | 17.67 | 14.43 | - | 20.50 | 18.76 | 15.52 | - |
| | | kW | 1.90 | 1.90 | 1.90 | - | 2.13 | 2.13 | 2.13 | - | 2.39 | 2.39 | 2.39 | - | 2.67 | 2.67 | 2.67 | - | 2.99 | 2.99 | 2.98 | - | 3.36 | 3.35 | 3.35 | - |
| | | Amps | 6.99 | 6.98 | 6.96 | - | 8.00 | 7.99 | 7.97 | - | 9.13 | 9.12 | 9.10 | - | 10.35 | 10.34 | 10.32 | - | 11.71 | 11.70 | 11.68 | - | 13.31 | 13.30 | 13.28 | - |
| | | Hi PR | 251 | 252 | 254 | - | 291 | 292 | 294 | - | 333 | 334 | 336 | - | 378 | 379 | 381 | - | 427 | 428 | 430 | - | 478 | 480 | 481 | - |
| | | Lo PR | 123 | 125 | 128 | - | 131 | 132 | 135 | - | 137 | 139 | 142 | - | 143 | 144 | 148 | - | 148 | 150 | 153 | - | 155 | 157 | 160 | - |
| | 1020 | MBh | 33.3 | 33.8 | 34.8 | - | 33.1 | 33.5 | 34.5 | - | 32.2 | 32.7 | 33.6 | - | 30.7 | 31.2 | 32.2 | - | 28.9 | 29.4 | 30.4 | - | 27.3 | 27.7 | 28.7 | - |
| | | S/T | 0.71 | 0.63 | 0.49 | - | 0.72 | 0.64 | 0.49 | - | 0.75 | 0.66 | 0.52 | - | 1.00 | 0.68 | 0.54 | - | 1.00 | 0.71 | 0.56 | - | 1.00 | 0.76 | 0.62 | - |
| | | ΔT | 17.74 | 16.00 | 12.76 | - | 17.69 | 15.95 | 12.71 | - | 17.93 | 16.20 | 12.95 | - | 17.67 | 15.93 | 12.69 | - | 17.44 | 15.70 | 12.46 | - | 18.53 | 16.79 | 13.55 | - |
| | | kW | 1.92 | 1.92 | 1.92 | - | 2.16 | 2.16 | 2.15 | - | 2.42 | 2.41 | 2.41 | - | 2.70 | 2.70 | 2.69 | - | 3.01 | 3.01 | 3.01 | - | 3.38 | 3.38 | 3.37 | - |
| | | Amps | 7.09 | 7.08 | 7.06 | - | 8.10 | 8.09 | 8.07 | - | 9.22 | 9.22 | 9.20 | - | 10.44 | 10.44 | 10.42 | - | 11.81 | 11.80 | 11.78 | - | 13.41 | 13.40 | 13.38 | - |
| | | Hi PR | 255 | 256 | 258 | - | 295 | 296 | 298 | - | 337 | 338 | 340 | - | 382 | 383 | 385 | - | 430 | 432 | 433 | - | 482 | 483 | 485 | - |
| | | Lo PR | 126 | 128 | 131 | - | 134 | 135 | 138 | - | 140 | 142 | 145 | - | 146 | 147 | 151 | - | 151 | 153 | 156 | - | 158 | 160 | 163 | - |
| | 1200 | MBh | 34.1 | 34.6 | 35.6 | - | 33.8 | 34.3 | 35.3 | - | 33.0 | 33.4 | 34.4 | - | 31.5 | 31.9 | 32.9 | - | 29.7 | 30.1 | 31.1 | - | 28.0 | 28.5 | 29.5 | - |
| | | S/T | 0.76 | 0.67 | 0.53 | - | 0.76 | 0.68 | 0.54 | - | 1.00 | 0.71 | 0.56 | - | 1.00 | 0.73 | 0.58 | - | 1.00 | 0.75 | 0.61 | - | 1.00 | 0.81 | 0.66 | - |
| | | ΔT | 16.52 | 14.78 | 11.54 | - | 16.47 | 14.74 | 11.49 | - | 16.72 | 14.98 | 11.74 | - | 16.46 | 14.72 | 11.47 | - | 16.22 | 14.49 | 11.24 | - | 17.31 | 15.57 | 12.33 | - |
| | | kW | 1.94 | 1.94 | 1.93 | - | 2.17 | 2.17 | 2.17 | - | 2.43 | 2.43 | 2.42 | - | 2.71 | 2.71 | 2.71 | - | 3.02 | 3.02 | 3.02 | - | 3.39 | 3.39 | 3.39 | - |
| | | Amps | 7.15 | 7.14 | 7.12 | - | 8.16 | 8.15 | 8.13 | - | 9.28 | 9.28 | 9.26 | - | 10.51 | 10.50 | 10.48 | - | 11.87 | 11.86 | 11.84 | - | 13.47 | 13.46 | 13.44 | - |
| | | Hi PR | 258 | 259 | 261 | - | 298 | 299 | 301 | - | 340 | 341 | 343 | - | 385 | 386 | 388 | - | 433 | 435 | 436 | - | 485 | 486 | 488 | - |
| | | Lo PR | 129 | 131 | 134 | - | 137 | 138 | 141 | - | 143 | 145 | 148 | - | 149 | 150 | 154 | - | 154 | 156 | 159 | - | 161 | 163 | 166 | - |
| 75 | 800 | MBh | 32.7 | 33.1 | 34.1 | 35.6 | 32.4 | 32.8 | 33.8 | 35.3 | 31.5 | 32.0 | 33.0 | 34.5 | 30.0 | 30.5 | 31.5 | 33.0 | 28.2 | 28.7 | 29.7 | 31.2 | 26.6 | 27.0 | 28.0 | 29.5 |
| | | S/T | 0.72 | 0.64 | 0.49 | 0.3 | 0.72 | 0.64 | 0.50 | 0.3 | 1.00 | 0.67 | 0.52 | 0.4 | 1.00 | 0.69 | 0.55 | 0.4 | 1.00 | 0.71 | 0.57 | 0.4 | 1.00 | 1.00 | 0.62 | 0.5 |
| | | ΔT | 23.53 | 21.79 | 18.55 | 15.2 | 23.48 | 21.74 | 18.50 | 15.1 | 23.73 | 21.99 | 18.75 | 15.4 | 23.46 | 21.73 | 18.48 | 15.1 | 23.23 | 21.49 | 18.25 | 14.9 | 24.32 | 22.58 | 19.34 | 16.0 |
| | | kW | 1.90 | 1.90 | 1.89 | 1.9 | 2.13 | 2.13 | 2.13 | 2.1 | 2.39 | 2.39 | 2.39 | 2.4 | 2.67 | 2.67 | 2.67 | 2.7 | 2.99 | 2.98 | 2.98 | 3.0 | 3.35 | 3.35 | 3.35 | 3.4 |
| | | Amps | 6.98 | 6.97 | 6.96 | 7.0 | 7.99 | 7.98 | 7.97 | 8.0 | 9.12 | 9.11 | 9.09 | 9.2 | 10.34 | 10.33 | 10.31 | 10.4 | 11.70 | 11.70 | 11.68 | 11.8 | 13.30 | 13.29 | 13.28 | 13.4 |
| | | Hi PR | 252 | 253 | 254 | 258.8 | 291 | 293 | 294 | 298.7 | 333 | 334 | 336 | 340.5 | 378 | 379 | 381 | 385.6 | 427 | 428 | 430 | 434.1 | 479 | 480 | 482 | 486.0 |
| | | Lo PR | 123 | 125 | 128 | 133.1 | 131 | 132 | 135 | 140.6 | 137 | 139 | 142 | 147.3 | 143 | 144 | 148 | 152.9 | 148 | 150 | 153 | 158.3 | 155 | 157 | 160 | 165.2 |
| | 1020 | MBh | 33.4 | 33.8 | 34.8 | 36.3 | 33.1 | 33.5 | 34.5 | 36.0 | 32.2 | 32.7 | 33.7 | 35.2 | 30.7 | **31.2** | 32.2 | 33.7 | 28.9 | 29.4 | 30.4 | 31.9 | 27.3 | 27.7 | 28.7 | 30.2 |
| | | S/T | 0.85 | 0.77 | 0.62 | 0.5 | 1.00 | 0.77 | 0.63 | 0.5 | 1.00 | 0.80 | 0.66 | 0.5 | 1.00 | **0.82** | 0.68 | 0.5 | 1.00 | 0.85 | 0.70 | 0.5 | 1.00 | 1.00 | 0.76 | 0.6 |
| | | ΔT | 21.56 | 19.82 | 16.58 | 13.2 | 21.51 | 19.77 | 16.53 | 13.2 | 21.75 | 20.02 | 16.77 | 13.4 | 21.49 | **19.75** | 16.51 | 13.1 | 21.26 | 19.52 | 16.28 | 12.9 | 22.35 | 20.61 | 17.37 | 14.0 |
| | | kW | 1.92 | 1.92 | 1.92 | 1.9 | 2.16 | 2.15 | 2.15 | 2.2 | 2.42 | 2.41 | 2.41 | 2.4 | 2.70 | **2.69** | 2.69 | 2.7 | 3.01 | 3.01 | 3.00 | 3.0 | 3.38 | 3.38 | 3.37 | 3.4 |
| | | Amps | 7.08 | 7.07 | 7.05 | 7.1 | 8.09 | 8.08 | 8.07 | 8.1 | 9.22 | 9.21 | 9.19 | 9.3 | 10.44 | **10.43** | 10.41 | 10.5 | 11.80 | 11.79 | 11.78 | 11.9 | 13.40 | 13.39 | 13.38 | 13.5 |
| | | Hi PR | 255 | 256 | 258 | 262.6 | 295 | 296 | 298 | 302.6 | 337 | 338 | 340 | 344.4 | 382 | **383** | 385 | 389.4 | 431 | 432 | 434 | 438.0 | 483 | 484 | 485 | 489.8 |
| | | Lo PR | 126 | 128 | 131 | 136.2 | 134 | 135 | 138 | 143.7 | 140 | 142 | 145 | 150.3 | 146 | **147** | 151 | 155.9 | 151 | 153 | 156 | 161.4 | 158 | 160 | 163 | 168.3 |
| | 1200 | MBh | 34.1 | 34.6 | 35.6 | 37.1 | 33.8 | 34.3 | 35.3 | 36.8 | 33.0 | 33.4 | 34.4 | 35.9 | 31.5 | 32.0 | 32.9 | 34.4 | 29.7 | 30.2 | 31.1 | 32.6 | 28.0 | 28.5 | 29.5 | 31.0 |
| | | S/T | 0.89 | 0.81 | 0.67 | 0.5 | 1.00 | 0.82 | 0.67 | 0.5 | 1.00 | 0.85 | 0.70 | 0.5 | 1.00 | 0.87 | 0.72 | 0.6 | 1.00 | 1.00 | 0.75 | 0.6 | 1.00 | 1.00 | 0.80 | 0.6 |
| | | ΔT | 20.34 | 18.60 | 15.36 | 12.0 | 20.29 | 18.56 | 15.31 | 12.0 | 20.54 | 18.80 | 15.56 | 12.2 | 20.28 | 18.54 | 15.29 | 11.9 | 20.04 | 18.31 | 15.06 | 11.7 | 21.13 | 19.39 | 16.15 | 12.8 |
| | | kW | 1.94 | 1.94 | 1.93 | 1.9 | 2.17 | 2.17 | 2.16 | 2.2 | 2.43 | 2.43 | 2.42 | 2.4 | 2.71 | 2.71 | 2.70 | 2.7 | 3.02 | 3.02 | 3.02 | 3.0 | 3.39 | 3.39 | 3.39 | 3.4 |
| | | Amps | 7.14 | 7.13 | 7.12 | 7.2 | 8.15 | 8.14 | 8.13 | 8.2 | 9.28 | 9.27 | 9.25 | 9.3 | 10.50 | 10.49 | 10.47 | 10.6 | 11.86 | 11.85 | 11.84 | 11.9 | 13.46 | 13.45 | 13.44 | 13.5 |
| | | Hi PR | 258 | 259 | 261 | 265.6 | 298 | 299 | 301 | 305.5 | 340 | 341 | 343 | 347.3 | 385 | 386 | 388 | 392.4 | 434 | 435 | 437 | 440.9 | 485 | 487 | 488 | 492.8 |
| | | Lo PR | 129 | 131 | 134 | 139.1 | 137 | 138 | 141 | 146.7 | 143 | 145 | 148 | 153.3 | 149 | 150 | 154 | 158.9 | 154 | 156 | 159 | 164.4 | 161 | 163 | 166 | 171.3 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 800 | MBh | 32.8 | 33.3 | 34.3 | 35.8 | 32.5 | 33.0 | 34.0 | 35.5 | 31.7 | 32.1 | 33.1 | 34.6 | 30.2 | 30.7 | 31.7 | 33.2 | 28.4 | 28.9 | 29.8 | 31.3 | 26.7 | 27.2 | 28.2 | 29.7 |
| | | S/T | 1.00 | 0.77 | 0.63 | 0.5 | 1.00 | 0.78 | 0.63 | 0.5 | 1.00 | 0.80 | 0.66 | 0.5 | 1.00 | 0.82 | 0.68 | 0.5 | 1.00 | 1.00 | 0.70 | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 |
| | | ΔT | 27.38 | 25.64 | 22.39 | 19.0 | 27.33 | 25.59 | 22.35 | 19.0 | 27.57 | 25.83 | 22.59 | 19.2 | 27.31 | 25.57 | 22.33 | 19.0 | 27.08 | 25.34 | 22.10 | 18.7 | 28.17 | 26.43 | 23.18 | 19.8 |
| | | kW | 1.90 | 1.90 | 1.90 | 1.9 | 2.13 | 2.13 | 2.13 | 2.1 | 2.39 | 2.39 | 2.39 | 2.4 | 2.67 | 2.67 | 2.67 | 2.7 | 2.99 | 2.99 | 2.98 | 3.0 | 3.36 | 3.35 | 3.35 | 3.4 |
| | | Amps | 6.99 | 6.98 | 6.96 | 7.0 | 8.00 | 7.99 | 7.97 | 8.0 | 9.12 | 9.12 | 9.10 | 9.2 | 10.35 | 10.34 | 10.32 | 10.4 | 11.71 | 11.70 | 11.68 | 11.8 | 13.31 | 13.30 | 13.28 | 13.4 |
| | | Hi PR | 252 | 253 | 255 | 259.3 | 292 | 293 | 295 | 299.2 | 334 | 335 | 337 | 341.0 | 379 | 380 | 382 | 386.1 | 427 | 428 | 430 | 434.6 | 479 | 480 | 482 | 486.4 |
| | | Lo PR | 124 | 125 | 128 | 133.6 | 131 | 133 | 136 | 141.2 | 138 | 139 | 143 | 147.8 | 143 | 145 | 148 | 153.4 | 149 | 150 | 154 | 158.9 | 156 | 157 | 160 | 165.8 |
| | 1020 | MBh | 33.5 | 34.0 | 35.0 | 36.5 | 33.2 | 33.7 | 34.7 | 36.2 | 32.4 | 32.9 | 33.8 | 35.3 | 30.9 | 31.4 | **32.4** | 33.9 | 29.1 | 29.6 | 30.5 | 32.0 | 27.4 | 27.9 | 28.9 | 30.4 |
| | | S/T | 1.00 | 0.90 | 0.76 | 0.6 | 1.00 | 0.91 | 0.76 | 0.6 | 1.00 | 0.94 | 0.79 | 0.6 | 1.00 | 1.00 | **0.81** | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.89 | 0.7 |
| | | ΔT | 25.40 | 23.67 | 20.42 | 17.1 | 25.36 | 23.62 | 20.37 | 17.0 | 25.60 | 23.86 | 20.62 | 17.3 | 25.34 | 23.60 | **20.36** | 17.0 | 25.11 | 23.37 | 20.12 | 16.8 | 26.19 | 24.46 | 21.21 | 17.9 |
| | | kW | 1.92 | 1.92 | 1.92 | 1.9 | 2.16 | 2.16 | 2.15 | 2.2 | 2.42 | 2.41 | 2.41 | 2.4 | 2.70 | 2.70 | **2.69** | 2.7 | 3.01 | 3.01 | 3.00 | 3.0 | 3.38 | 3.38 | 3.37 | 3.4 |
| | | Amps | 7.09 | 7.08 | 7.06 | 7.1 | 8.10 | 8.09 | 8.07 | 8.1 | 9.22 | 9.22 | 9.20 | 9.3 | 10.44 | 10.44 | **10.42** | 10.5 | 11.81 | 11.80 | 11.78 | 11.9 | 13.41 | 13.40 | 13.38 | 13.5 |
| | | Hi PR | 256 | 257 | 259 | 263.1 | 296 | 297 | 299 | 303.0 | 338 | 339 | 340 | 344.9 | 383 | 384 | **385** | 389.9 | 431 | 432 | 434 | 438.5 | 483 | 484 | 486 | 490.3 |
| | | Lo PR | 127 | 128 | 131 | 136.7 | 134 | 136 | 139 | 144.3 | 141 | 142 | 146 | 150.9 | 147 | 148 | **151** | 156.5 | 152 | 154 | 157 | 162.0 | 159 | 160 | 164 | 168.9 |
| | 1200 | MBh | 34.3 | 34.8 | 35.8 | 37.3 | 34.0 | 34.5 | 35.5 | 37.0 | 33.1 | 33.6 | 34.6 | 36.1 | 31.7 | 32.1 | 33.1 | 34.6 | 29.9 | 30.3 | 31.3 | 32.8 | 28.2 | 28.7 | 29.7 | 31.2 |
| | | S/T | 1.00 | 0.95 | 0.80 | 0.6 | 1.00 | 0.95 | 0.81 | 0.7 | 1.00 | 1.00 | 0.83 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 0.93 | 0.8 |
| | | ΔT | 24.19 | 22.45 | 19.21 | 15.8 | 24.14 | 22.40 | 19.16 | 15.8 | 24.38 | 22.65 | 19.40 | 16.0 | 24.12 | 22.38 | 19.14 | 15.8 | 23.89 | 22.15 | 18.91 | 15.5 | 24.98 | 23.24 | 20.00 | 16.6 |
| | | kW | 1.94 | 1.94 | 1.93 | 2.0 | 2.17 | 2.17 | 2.17 | 2.2 | 2.43 | 2.43 | 2.42 | 2.4 | 2.71 | 2.71 | 2.71 | 2.7 | 3.02 | 3.02 | 3.02 | 3.0 | 3.39 | 3.39 | 3.39 | 3.4 |
| | | Amps | 7.15 | 7.14 | 7.12 | 7.2 | 8.16 | 8.15 | 8.13 | 8.2 | 9.28 | 9.28 | 9.26 | 9.3 | 10.50 | 10.50 | 10.48 | 10.6 | 11.87 | 11.86 | 11.84 | 11.9 | 13.47 | 13.46 | 13.44 | 13.5 |
| | | Hi PR | 259 | 260 | 262 | 266.1 | 299 | 300 | 302 | 306.0 | 341 | 342 | 343 | 347.8 | 386 | 387 | 388 | 392.9 | 434 | 435 | 437 | 441.4 | 486 | 487 | 489 | 493.2 |
| | | Lo PR | 130 | 131 | 134 | 139.6 | 137 | 139 | 142 | 147.2 | 144 | 145 | 149 | 153.8 | 149 | 151 | 154 | 159.4 | 155 | 156 | 160 | 164.9 | 162 | 163 | 167 | 171.8 |
| 85 | 800 | MBh | 33.4 | 33.9 | 34.8 | 36.3 | 33.1 | 33.6 | 34.5 | 36.0 | 32.2 | 32.7 | 33.7 | 35.2 | 30.8 | 31.2 | 32.2 | 33.7 | 29.0 | 29.4 | 30.4 | 31.9 | 27.3 | 27.8 | 28.7 | 30.3 |
| | | S/T | 1.00 | 0.88 | 0.73 | 0.6 | 1.00 | 0.89 | 0.74 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 | 1.00 | 1.00 | 0.79 | 0.6 | 1.00 | 1.00 | 0.81 | 0.7 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 30.79 | 29.05 | 25.81 | 22.4 | 30.74 | 29.00 | 25.76 | 22.4 | 30.98 | 29.25 | 26.00 | 22.6 | 30.72 | 28.98 | 25.74 | 22.4 | 30.49 | 28.75 | 25.51 | 22.1 | 31.58 | 29.84 | 26.60 | 23.2 |
| | | kW | 1.91 | 1.90 | 1.90 | 1.9 | 2.14 | 2.14 | 2.13 | 2.2 | 2.40 | 2.40 | 2.39 | 2.4 | 2.68 | 2.68 | 2.67 | 2.7 | 2.99 | 2.99 | 2.99 | 3.0 | 3.36 | 3.36 | 3.35 | 3.4 |
| | | Amps | 7.01 | 7.00 | 6.98 | 7.1 | 8.02 | 8.01 | 7.99 | 8.1 | 9.14 | 9.14 | 9.12 | 9.2 | 10.36 | 10.36 | 10.34 | 10.4 | 11.73 | 11.72 | 11.70 | 11.8 | 13.33 | 13.32 | 13.30 | 13.4 |
| | | Hi PR | 253 | 254 | 256 | 260.5 | 293 | 294 | 296 | 300.4 | 335 | 336 | 338 | 342.2 | 380 | 381 | 383 | 387.2 | 429 | 430 | 431 | 435.8 | 480 | 481 | 483 | 487.6 |
| | | Lo PR | 125 | 127 | 130 | 135.5 | 133 | 135 | 138 | 143.0 | 140 | 141 | 144 | 149.7 | 145 | 147 | 150 | 155.3 | 151 | 152 | 155 | 160.8 | 158 | 159 | 162 | 167.6 |
| | 1020 | MBh | 34.1 | 34.6 | 35.5 | 37.0 | 33.8 | 34.3 | 35.2 | 36.7 | 32.9 | 33.4 | 34.4 | 35.9 | 31.5 | 31.9 | 32.9 | 34.4 | 29.7 | 30.1 | 31.1 | 32.6 | 28.0 | 28.5 | 29.5 | 31.0 |
| | | S/T | 1.00 | 1.00 | 0.87 | 0.7 | 1.00 | 1.00 | 0.87 | 0.7 | 1.00 | 1.00 | 0.90 | 0.7 | 1.00 | 1.00 | 0.92 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 28.81 | 27.08 | 23.83 | 20.5 | 28.77 | 27.03 | 23.78 | 20.4 | 29.01 | 27.27 | 24.03 | 20.7 | 28.75 | 27.01 | 23.77 | 20.4 | 28.52 | 26.78 | 23.53 | 20.2 | 29.60 | 27.87 | 24.62 | 21.3 |
| | | kW | 1.93 | 1.93 | 1.92 | 1.9 | 2.16 | 2.16 | 2.16 | 2.2 | 2.42 | 2.42 | 2.42 | 2.4 | 2.70 | 2.70 | 2.70 | 2.7 | 3.02 | 3.01 | 3.01 | 3.0 | 3.38 | 3.38 | 3.38 | 3.4 |
| | | Amps | 7.10 | 7.10 | 7.08 | 7.2 | 8.11 | 8.11 | 8.09 | 8.2 | 9.24 | 9.23 | 9.22 | 9.3 | 10.46 | 10.46 | 10.44 | 10.5 | 11.83 | 11.82 | 11.80 | 11.9 | 13.43 | 13.42 | 13.40 | 13.5 |
| | | Hi PR | 257 | 258 | 260 | 264.3 | 297 | 298 | 300 | 304.2 | 339 | 340 | 342 | 346.1 | 384 | 385 | 387 | 391.1 | 432 | 433 | 435 | 439.6 | 484 | 485 | 487 | 491.5 |
| | | Lo PR | 129 | 130 | 133 | 138.6 | 136 | 138 | 141 | 146.1 | 143 | 144 | 147 | 152.8 | 148 | 150 | 153 | 158.4 | 154 | 155 | 159 | 163.9 | 161 | 162 | 165 | 170.7 |
| | 1200 | MBh | 34.9 | 35.3 | 36.3 | 37.8 | 34.6 | 35.0 | 36.0 | 37.5 | 33.7 | 34.2 | 35.2 | 36.7 | 32.2 | 32.7 | 33.7 | 35.2 | 30.4 | 30.9 | 31.9 | 33.4 | 28.8 | 29.2 | 30.2 | 31.7 |
| | | S/T | 1.00 | 1.00 | 0.91 | 0.8 | 1.00 | 1.00 | 0.92 | 0.8 | 1.00 | 1.00 | 0.94 | 0.8 | 1.00 | 1.00 | 0.96 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.9 |
| | | ΔT | 27.60 | 25.86 | 22.62 | 19.3 | 27.55 | 25.81 | 22.57 | 19.2 | 27.79 | 26.06 | 22.81 | 19.5 | 27.53 | 25.80 | 22.55 | 19.2 | 27.30 | 25.56 | 22.32 | 19.0 | 28.39 | 26.65 | 23.41 | 20.0 |
| | | kW | 1.94 | 1.94 | 1.94 | 2.0 | 2.18 | 2.17 | 2.17 | 2.2 | 2.43 | 2.43 | 2.43 | 2.4 | 2.72 | 2.71 | 2.71 | 2.7 | 3.03 | 3.03 | 3.02 | 3.0 | 3.40 | 3.40 | 3.39 | 3.4 |
| | | Amps | 7.17 | 7.16 | 7.14 | 7.2 | 8.18 | 8.17 | 8.15 | 8.2 | 9.30 | 9.30 | 9.28 | 9.4 | 10.52 | 10.52 | 10.50 | 10.6 | 11.89 | 11.88 | 11.86 | 11.9 | 13.49 | 13.48 | 13.46 | 13.5 |
| | | Hi PR | 260 | 261 | 263 | 267.3 | 300 | 301 | 303 | 307.2 | 342 | 343 | 345 | 349.0 | 387 | 388 | 390 | 394.0 | 435 | 436 | 438 | 442.6 | 487 | 488 | 490 | 494.4 |
| | | Lo PR | 132 | 133 | 136 | 141.5 | 139 | 141 | 144 | 149.1 | 146 | 147 | 150 | 155.7 | 151 | 153 | 156 | 161.3 | 157 | 158 | 161 | 166.8 | 164 | 165 | 168 | 173.7 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 1500 | MBh | 56.0 | 56.8 | 58.5 | - | 55.5 | 56.3 | 58.0 | - | 54.0 | 54.8 | 56.5 | - | 51.5 | 52.3 | 54.0 | - | 48.4 | 49.2 | 50.9 | - | 45.6 | 46.4 | 48.1 | - |
| | | S/T | 0.58 | 0.51 | 0.38 | - | 0.58 | 0.51 | 0.38 | - | 0.61 | 0.54 | 0.41 | - | 0.63 | 0.55 | 0.43 | - | 1.00 | 0.58 | 0.45 | - | 1.00 | 0.62 | 0.50 | - |
| | | ΔT | 21.24 | 19.27 | 15.59 | - | 21.19 | 19.22 | 15.54 | - | 21.47 | 19.50 | 15.81 | - | 21.17 | 19.20 | 15.52 | - | 20.91 | 18.94 | 15.25 | - | 22.14 | 20.17 | 16.49 | - |
| | | kW | 3.68 | 3.67 | 3.66 | - | 4.14 | 4.14 | 4.13 | - | 4.66 | 4.66 | 4.65 | - | 5.22 | 5.22 | 5.21 | - | 5.85 | 5.84 | 5.84 | - | 6.58 | 6.58 | 6.57 | - |
| | | Amps | 13.61 | 13.60 | 13.56 | - | 15.63 | 15.62 | 15.58 | - | 17.89 | 17.87 | 17.84 | - | 20.33 | 20.31 | 20.28 | - | 23.05 | 23.04 | 23.00 | - | 26.25 | 26.24 | 26.20 | - |
| | | Hi PR | 282 | 283 | 285 | - | 326 | 327 | 329 | - | 373 | 374 | 376 | - | 423 | 424 | 426 | - | 477 | 478 | 480 | - | 534 | 536 | 538 | - |
| | | Lo PR | 120 | 122 | 125 | - | 128 | 129 | 132 | - | 134 | 135 | 139 | - | 139 | 141 | 144 | - | 145 | 146 | 149 | - | 151 | 153 | 156 | - |
| | 1700 | MBh | 56.7 | 57.5 | 59.2 | - | 56.2 | 57.0 | 58.7 | - | 54.7 | 55.5 | 57.2 | - | 52.2 | 53.0 | 54.7 | - | 49.1 | 49.9 | 51.6 | - | 46.3 | 47.1 | 48.8 | - |
| | | S/T | 0.63 | 0.56 | 0.43 | - | 0.64 | 0.57 | 0.44 | - | 0.66 | 0.59 | 0.46 | - | 0.68 | 0.61 | 0.48 | - | 1.00 | 0.63 | 0.50 | - | 1.00 | 0.68 | 0.55 | - |
| | | ΔT | 20.13 | 18.16 | 14.48 | - | 20.08 | 18.10 | 14.42 | - | 20.35 | 18.38 | 14.70 | - | 20.06 | 18.08 | 14.40 | - | 19.79 | 17.82 | 14.14 | - | 21.03 | 19.06 | 15.37 | - |
| | | kW | 3.70 | 3.69 | 3.69 | - | 4.16 | 4.16 | 4.15 | - | 4.68 | 4.68 | 4.67 | - | 5.24 | 5.24 | 5.23 | - | 5.87 | 5.87 | 5.86 | - | 6.61 | 6.60 | 6.59 | - |
| | | Amps | 13.71 | 13.69 | 13.66 | - | 15.73 | 15.71 | 15.68 | - | 17.98 | 17.97 | 17.93 | - | 20.43 | 20.41 | 20.37 | - | 23.15 | 23.14 | 23.10 | - | 26.35 | 26.34 | 26.30 | - |
| | | Hi PR | 284 | 285 | 287 | - | 328 | 330 | 332 | - | 375 | 376 | 378 | - | 425 | 426 | 428 | - | 479 | 480 | 482 | - | 537 | 538 | 540 | - |
| | | Lo PR | 122 | 123 | 126 | - | 129 | 131 | 134 | - | 136 | 137 | 140 | - | 141 | 143 | 146 | - | 146 | 148 | 151 | - | 153 | 155 | 158 | - |
| | 1900 | MBh | 57.5 | 58.3 | 60.0 | - | 57.0 | 57.8 | 59.5 | - | 55.6 | 56.3 | 58.0 | - | 53.0 | 53.8 | 55.5 | - | 50.0 | 50.8 | 52.4 | - | 47.2 | 48.0 | 49.6 | - |
| | | S/T | 0.66 | 0.59 | 0.46 | - | 0.67 | 0.60 | 0.47 | - | 0.69 | 0.62 | 0.49 | - | 0.71 | 0.64 | 0.51 | - | 1.00 | 0.66 | 0.53 | - | 1.00 | 0.71 | 0.58 | - |
| | | ΔT | 19.18 | 17.21 | 13.53 | - | 19.13 | 17.16 | 13.48 | - | 19.41 | 17.43 | 13.75 | - | 19.11 | 17.14 | 13.46 | - | 18.85 | 16.87 | 13.19 | - | 20.08 | 18.11 | 14.43 | - |
| | | kW | 3.72 | 3.71 | 3.71 | - | 4.18 | 4.18 | 4.17 | - | 4.70 | 4.70 | 4.69 | - | 5.26 | 5.26 | 5.25 | - | 5.89 | 5.89 | 5.88 | - | 6.62 | 6.62 | 6.61 | - |
| | | Amps | 13.79 | 13.78 | 13.74 | - | 15.81 | 15.80 | 15.76 | - | 18.07 | 18.05 | 18.02 | - | 20.51 | 20.49 | 20.46 | - | 23.23 | 23.22 | 23.18 | - | 26.43 | 26.42 | 26.38 | - |
| | | Hi PR | 286 | 287 | 289 | - | 331 | 332 | 334 | - | 377 | 378 | 380 | - | 427 | 428 | 430 | - | 481 | 482 | 484 | - | 539 | 540 | 542 | - |
| | | Lo PR | 124 | 125 | 128 | - | 131 | 133 | 136 | - | 137 | 139 | 142 | - | 143 | 144 | 147 | - | 148 | 150 | 153 | - | 155 | 156 | 159 | - |
| 75 | 1500 | MBh | 56.0 | 56.8 | 58.5 | 61.0 | 55.5 | 56.3 | 58.0 | 60.5 | 54.1 | 54.9 | 56.5 | 59.1 | 51.6 | 52.3 | 54.0 | 56.6 | 48.5 | 49.3 | 50.9 | 53.5 | 45.7 | 46.5 | 48.1 | 50.7 |
| | | S/T | 0.70 | 0.63 | 0.50 | 0.4 | 0.71 | 0.63 | 0.51 | 0.4 | 1.00 | 0.66 | 0.53 | 0.4 | 1.00 | 0.68 | 0.55 | 0.4 | 1.00 | 0.70 | 0.57 | 0.4 | 1.00 | 0.75 | 0.62 | 0.5 |
| | | ΔT | 25.58 | 23.61 | 19.93 | 16.1 | 25.53 | 23.55 | 19.87 | 16.1 | 25.80 | 23.83 | 20.15 | 16.3 | 25.51 | 23.53 | 19.85 | 16.0 | 25.24 | 23.27 | 19.59 | 15.8 | 26.48 | 24.51 | 20.82 | 17.0 |
| | | kW | 3.67 | 3.67 | 3.66 | 3.7 | 4.14 | 4.13 | 4.13 | 4.2 | 4.66 | 4.65 | 4.64 | 4.7 | 5.22 | 5.21 | 5.21 | 5.2 | 5.84 | 5.84 | 5.83 | 5.9 | 6.58 | 6.58 | 6.57 | 6.6 |
| | | Amps | 13.60 | 13.58 | 13.55 | 13.7 | 15.62 | 15.60 | 15.57 | 15.7 | 17.87 | 17.86 | 17.82 | 18.0 | 20.31 | 20.30 | 20.26 | 20.4 | 23.04 | 23.02 | 22.99 | 23.1 | 26.24 | 26.22 | 26.19 | 26.3 |
| | | Hi PR | 282 | 283 | 285 | 290.1 | 326 | 328 | 330 | 334.5 | 373 | 374 | 376 | 381.0 | 423 | 424 | 426 | 431.1 | 477 | 478 | 480 | 485.2 | 535 | 536 | 538 | 542.8 |
| | | Lo PR | 120 | 122 | 125 | 130.0 | 128 | 129 | 132 | 137.3 | 134 | 135 | 139 | 143.7 | 139 | 141 | 144 | 149.1 | 145 | 146 | 149 | 154.4 | 151 | 153 | 156 | 161.1 |
| | 1700 | MBh | 56.7 | 57.5 | 59.2 | 61.7 | 56.2 | 57.0 | 58.7 | 61.2 | 54.8 | 55.6 | 57.2 | 59.8 | 52.2 | **53.0** | 54.7 | 57.3 | 49.2 | 50.0 | 51.6 | 54.2 | 46.4 | 47.2 | 48.8 | 51.4 |
| | | S/T | 0.75 | 0.68 | 0.55 | 0.4 | 0.76 | 0.69 | 0.56 | 0.4 | 1.00 | 0.71 | 0.58 | 0.4 | 1.00 | **0.73** | 0.60 | 0.5 | 1.00 | 0.75 | 0.62 | 0.5 | 1.00 | 0.80 | 0.67 | 0.5 |
| | | ΔT | 24.47 | 22.49 | 18.81 | 15.0 | 24.41 | 22.44 | 18.76 | 14.9 | 24.69 | 22.72 | 19.04 | 15.2 | 24.39 | **22.42** | 18.74 | 14.9 | 24.13 | 22.16 | 18.47 | 14.7 | 25.36 | 23.39 | 19.71 | 15.9 |
| | | kW | 3.70 | 3.69 | 3.68 | 3.7 | 4.16 | 4.16 | 4.15 | 4.2 | 4.68 | 4.67 | 4.67 | 4.7 | 5.24 | **5.24** | 5.23 | 5.3 | 5.87 | 5.86 | 5.86 | 5.9 | 6.60 | 6.60 | 6.59 | 6.6 |
| | | Amps | 13.70 | 13.68 | 13.65 | 13.8 | 15.72 | 15.70 | 15.67 | 15.8 | 17.97 | 17.96 | 17.92 | 18.1 | 20.41 | **20.40** | 20.36 | 20.5 | 23.14 | 23.12 | 23.09 | 23.2 | 26.34 | 26.32 | 26.29 | 26.4 |
| | | Hi PR | 284 | 285 | 287 | 292.3 | 329 | 330 | 332 | 336.7 | 375 | 376 | 378 | 383.3 | 425 | **427** | 428 | 433.4 | 479 | 481 | 483 | 487.4 | 537 | 538 | 540 | 545.1 |
| | | Lo PR | 122 | 123 | 127 | 131.6 | 129 | 131 | 134 | 138.9 | 136 | 137 | 140 | 145.3 | 141 | **143** | 146 | 150.8 | 146 | 148 | 151 | 156.1 | 153 | 155 | 158 | 162.7 |
| | 1900 | MBh | 57.6 | 58.3 | 60.0 | 62.6 | 57.0 | 57.8 | 59.5 | 62.1 | 55.6 | 56.4 | 58.0 | 60.6 | 53.1 | 53.9 | 55.5 | 58.1 | 50.0 | 50.8 | 52.5 | 55.0 | 47.2 | 48.0 | 49.7 | 52.2 |
| | | S/T | 0.78 | 0.71 | 0.58 | 0.4 | 0.79 | 0.72 | 0.59 | 0.5 | 1.00 | 0.74 | 0.61 | 0.5 | 1.00 | 0.76 | 0.63 | 0.5 | 1.00 | 0.78 | 0.65 | 0.5 | 1.00 | 1.00 | 0.70 | 0.6 |
| | | ΔT | 23.52 | 21.55 | 17.86 | 14.1 | 23.46 | 21.49 | 17.81 | 14.0 | 23.74 | 21.77 | 18.09 | 14.3 | 23.44 | 21.47 | 17.79 | 14.0 | 23.18 | 21.21 | 17.53 | 13.7 | 24.42 | 22.44 | 18.76 | 14.9 |
| | | kW | 3.71 | 3.71 | 3.70 | 3.7 | 4.18 | 4.18 | 4.17 | 4.2 | 4.70 | 4.69 | 4.69 | 4.7 | 5.26 | 5.26 | 5.25 | 5.3 | 5.89 | 5.88 | 5.87 | 5.9 | 6.62 | 6.62 | 6.61 | 6.6 |
| | | Amps | 13.78 | 13.76 | 13.73 | 13.9 | 15.80 | 15.78 | 15.75 | 15.9 | 18.05 | 18.04 | 18.00 | 18.2 | 20.50 | 20.48 | 20.44 | 20.6 | 23.22 | 23.21 | 23.17 | 23.3 | 26.42 | 26.41 | 26.37 | 26.5 |
| | | Hi PR | 286 | 288 | 290 | 294.5 | 331 | 332 | 334 | 338.9 | 377 | 379 | 381 | 385.5 | 427 | 429 | 431 | 435.6 | 482 | 483 | 485 | 489.6 | 539 | 540 | 542 | 547.3 |
| | | Lo PR | 124 | 125 | 128 | 133.5 | 131 | 133 | 136 | 140.8 | 138 | 139 | 142 | 147.2 | 143 | 144 | 147 | 152.6 | 148 | 150 | 153 | 157.9 | 155 | 156 | 159 | 164.6 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 1500 | MBh | 56.3 | 57.1 | 58.8 | 61.3 | 55.8 | 56.6 | 58.3 | 60.8 | 54.4 | 55.1 | 56.8 | 59.4 | 51.8 | 52.6 | 54.3 | 56.9 | 48.8 | 49.6 | 51.2 | 53.8 | 46.0 | 46.8 | 48.4 | 51.0 |
| | | S/T | 0.82 | 0.75 | 0.62 | 0.5 | 1.00 | 0.75 | 0.63 | 0.5 | 1.00 | 0.78 | 0.65 | 0.5 | 1.00 | 0.80 | 0.67 | 0.5 | 1.00 | 1.00 | 0.69 | 0.6 | 1.00 | 1.00 | 0.74 | 0.6 |
| | | ΔT | 29.95 | 27.97 | 24.29 | 20.5 | 29.89 | 27.92 | 24.24 | 20.4 | 30.17 | 28.20 | 24.51 | 20.7 | 29.87 | 27.90 | 24.22 | 20.4 | 29.61 | 27.64 | 23.95 | 20.1 | 30.84 | 28.87 | 25.19 | 21.4 |
| | | kW | 3.67 | 3.67 | 3.66 | 3.7 | 4.14 | 4.14 | 4.13 | 4.2 | 4.66 | 4.65 | 4.65 | 4.7 | 5.22 | 5.22 | 5.21 | 5.2 | 5.85 | 5.84 | 5.84 | 5.9 | 6.58 | 6.58 | 6.57 | 6.6 |
| | | Amps | 13.61 | 13.59 | 13.56 | 13.7 | 15.63 | 15.61 | 15.58 | 15.7 | 17.88 | 17.87 | 17.83 | 18.0 | 20.32 | 20.31 | 20.27 | 20.4 | 23.05 | 23.04 | 23.00 | 23.2 | 26.25 | 26.23 | 26.20 | 26.4 |
| | | Hi PR | 282 | 284 | 286 | 290.6 | 327 | 328 | 330 | 335.0 | 373 | 375 | 377 | 381.5 | 424 | 425 | 427 | 431.7 | 478 | 479 | 481 | 485.7 | 535 | 536 | 538 | 543.4 |
| | | Lo PR | 121 | 122 | 125 | 130.5 | 128 | 130 | 133 | 137.8 | 135 | 136 | 139 | 144.2 | 140 | 141 | 145 | 149.6 | 145 | 147 | 150 | 154.9 | 152 | 153 | 156 | 161.6 |
| | 1700 | MBh | 57.0 | 57.8 | 59.5 | 62.0 | 56.5 | 57.3 | 59.0 | 61.5 | 55.1 | 55.8 | 57.5 | 60.1 | 52.5 | 53.3 | **55.0** | 57.6 | 49.5 | 50.3 | 51.9 | 54.5 | 46.7 | 47.5 | 49.1 | 51.7 |
| | | S/T | 1.00 | 0.80 | 0.67 | 0.5 | 1.00 | 0.81 | 0.68 | 0.5 | 1.00 | 0.83 | 0.70 | 0.6 | 1.00 | 0.85 | **0.72** | 0.6 | 1.00 | 1.00 | 0.74 | 0.6 | 1.00 | 1.00 | 0.79 | 0.7 |
| | | ΔT | 28.83 | 26.86 | 23.18 | 19.4 | 28.78 | 26.81 | 23.12 | 19.3 | 29.05 | 27.08 | 23.40 | 19.6 | 28.76 | 26.79 | **23.10** | 19.3 | 28.49 | 26.52 | 22.84 | 19.0 | 29.73 | 27.76 | 24.07 | 20.3 |
| | | kW | 3.70 | 3.69 | 3.69 | 3.7 | 4.16 | 4.16 | 4.15 | 4.2 | 4.68 | 4.68 | 4.67 | 4.7 | 5.24 | 5.24 | **5.23** | 5.3 | 5.87 | 5.87 | 5.86 | 5.9 | 6.61 | 6.60 | 6.59 | 6.6 |
| | | Amps | 13.71 | 13.69 | 13.66 | 13.8 | 15.73 | 15.71 | 15.68 | 15.8 | 17.98 | 17.97 | 17.93 | 18.1 | 20.42 | 20.41 | **20.37** | 20.5 | 23.15 | 23.13 | 23.10 | 23.3 | 26.35 | 26.33 | 26.30 | 26.5 |
| | | Hi PR | 285 | 286 | 288 | 292.8 | 329 | 330 | 332 | 337.2 | 376 | 377 | 379 | 383.8 | 426 | 427 | **429** | 433.9 | 480 | 481 | 483 | 487.9 | 538 | 539 | 541 | 545.6 |
| | | Lo PR | 122 | 124 | 127 | 132.2 | 130 | 131 | 134 | 139.5 | 136 | 138 | 141 | 145.9 | 142 | 143 | **146** | 151.3 | 147 | 148 | 151 | 156.6 | 154 | 155 | 158 | 163.3 |
| | 1900 | MBh | 57.8 | 58.6 | 60.3 | 62.9 | 57.3 | 58.1 | 59.8 | 62.4 | 55.9 | 56.7 | 58.3 | 60.9 | 53.4 | 54.2 | 55.8 | 58.4 | 50.3 | 51.1 | 52.8 | 55.3 | 47.5 | 48.3 | 49.9 | 52.5 |
| | | S/T | 1.00 | 0.83 | 0.70 | 0.6 | 1.00 | 0.84 | 0.71 | 0.6 | 1.00 | 0.86 | 0.73 | 0.6 | 1.00 | 0.88 | 0.75 | 0.6 | 1.00 | 1.00 | 0.77 | 0.6 | 1.00 | 1.00 | 0.82 | 0.7 |
| | | ΔT | 27.88 | 25.91 | 22.23 | 18.4 | 27.83 | 25.86 | 22.18 | 18.4 | 28.11 | 26.13 | 22.45 | 18.6 | 27.81 | 25.84 | 22.16 | 18.3 | 27.55 | 25.57 | 21.89 | 18.1 | 28.78 | 26.81 | 23.13 | 19.3 |
| | | kW | 3.72 | 3.71 | 3.71 | 3.7 | 4.18 | 4.18 | 4.17 | 4.2 | 4.70 | 4.70 | 4.69 | 4.7 | 5.26 | 5.26 | 5.25 | 5.3 | 5.89 | 5.88 | 5.88 | 5.9 | 6.62 | 6.62 | 6.61 | 6.6 |
| | | Amps | 13.79 | 13.77 | 13.74 | 13.9 | 15.81 | 15.79 | 15.76 | 15.9 | 18.07 | 18.05 | 18.01 | 18.2 | 20.51 | 20.49 | 20.46 | 20.6 | 23.23 | 23.22 | 23.18 | 23.3 | 26.43 | 26.42 | 26.38 | 26.5 |
| | | Hi PR | 287 | 288 | 290 | 295.0 | 331 | 333 | 335 | 339.4 | 378 | 379 | 381 | 386.0 | 428 | 429 | 431 | 436.1 | 482 | 483 | 485 | 490.1 | 540 | 541 | 543 | 547.8 |
| | | Lo PR | 124 | 126 | 129 | 134.0 | 132 | 133 | 136 | 141.3 | 138 | 140 | 143 | 147.7 | 143 | 145 | 148 | 153.1 | 149 | 150 | 153 | 158.4 | 155 | 157 | 160 | 165.1 |
| 85 | 1500 | MBh | 57.3 | 58.1 | 59.7 | 62.3 | 56.8 | 57.6 | 59.2 | 61.8 | 55.3 | 56.1 | 57.8 | 60.3 | 52.8 | 53.6 | 55.2 | 57.8 | 49.7 | 50.5 | 52.2 | 54.7 | 46.9 | 47.7 | 49.4 | 51.9 |
| | | S/T | 1.00 | 0.84 | 0.72 | 0.6 | 1.00 | 0.85 | 0.72 | 0.6 | 1.00 | 1.00 | 0.75 | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 | 1.00 | 1.00 | 0.78 | 0.6 | 1.00 | 1.00 | 0.83 | 0.7 |
| | | ΔT | 33.82 | 31.84 | 28.16 | 24.3 | 33.76 | 31.79 | 28.11 | 24.3 | 34.04 | 32.07 | 28.39 | 24.6 | 33.74 | 31.77 | 28.09 | 24.3 | 33.48 | 31.51 | 27.83 | 24.0 | 34.71 | 32.74 | 29.06 | 25.2 |
| | | kW | 3.68 | 3.68 | 3.67 | 3.7 | 4.15 | 4.14 | 4.14 | 4.2 | 4.67 | 4.66 | 4.66 | 4.7 | 5.23 | 5.22 | 5.22 | 5.3 | 5.86 | 5.85 | 5.84 | 5.9 | 6.59 | 6.59 | 6.58 | 6.6 |
| | | Amps | 13.65 | 13.63 | 13.60 | 13.8 | 15.67 | 15.65 | 15.62 | 15.8 | 17.92 | 17.91 | 17.87 | 18.0 | 20.36 | 20.35 | 20.31 | 20.5 | 23.09 | 23.07 | 23.04 | 23.2 | 26.29 | 26.27 | 26.24 | 26.4 |
| | | Hi PR | 284 | 285 | 287 | 291.9 | 328 | 329 | 331 | 336.3 | 375 | 376 | 378 | 382.9 | 425 | 426 | 428 | 433.0 | 479 | 480 | 482 | 487.0 | 537 | 538 | 540 | 544.7 |
| | | Lo PR | 123 | 124 | 127 | 132.3 | 130 | 131 | 134 | 139.6 | 136 | 138 | 141 | 146.0 | 142 | 143 | 146 | 151.4 | 147 | 149 | 152 | 156.7 | 154 | 155 | 158 | 163.4 |
| | 1700 | MBh | 58.0 | 58.7 | 60.4 | 63.0 | 57.5 | 58.2 | 59.9 | 62.5 | 56.0 | 56.8 | 58.5 | 61.0 | 53.5 | 54.3 | 55.9 | 58.5 | 50.4 | 51.2 | 52.9 | 55.4 | 47.6 | 48.4 | 50.1 | 52.6 |
| | | S/T | 1.00 | 0.90 | 0.77 | 0.6 | 1.00 | 0.90 | 0.77 | 0.6 | 1.00 | 1.00 | 0.80 | 0.7 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 32.70 | 30.73 | 27.05 | 23.2 | 32.65 | 30.68 | 26.99 | 23.2 | 32.93 | 30.95 | 27.27 | 23.5 | 32.63 | 30.66 | 26.97 | 23.2 | 32.36 | 30.39 | 26.71 | 22.9 | 33.60 | 31.63 | 27.95 | 24.1 |
| | | kW | 3.71 | 3.70 | 3.69 | 3.7 | 4.17 | 4.17 | 4.16 | 4.2 | 4.69 | 4.69 | 4.68 | 4.7 | 5.25 | 5.25 | 5.24 | 5.3 | 5.88 | 5.87 | 5.87 | 5.9 | 6.61 | 6.61 | 6.60 | 6.6 |
| | | Amps | 13.75 | 13.73 | 13.69 | 13.8 | 15.77 | 15.75 | 15.72 | 15.9 | 18.02 | 18.00 | 17.97 | 18.1 | 20.46 | 20.45 | 20.41 | 20.6 | 23.19 | 23.17 | 23.14 | 23.3 | 26.39 | 26.37 | 26.34 | 26.5 |
| | | Hi PR | 286 | 287 | 289 | 294.1 | 330 | 332 | 334 | 338.6 | 377 | 378 | 380 | 385.1 | 427 | 428 | 430 | 435.2 | 481 | 482 | 484 | 489.3 | 539 | 540 | 542 | 546.9 |
| | | Lo PR | 124 | 126 | 129 | 134.0 | 132 | 133 | 136 | 141.3 | 138 | 139 | 143 | 147.7 | 143 | 145 | 148 | 153.1 | 149 | 150 | 153 | 158.4 | 155 | 157 | 160 | 165.1 |
| | 1900 | MBh | 58.8 | 59.6 | 61.2 | 63.8 | 58.3 | 59.1 | 60.7 | 63.3 | 56.8 | 57.6 | 59.3 | 61.8 | 54.3 | 55.1 | 56.8 | 59.3 | 51.2 | 52.0 | 53.7 | 56.2 | 48.4 | 49.2 | 50.9 | 53.4 |
| | | S/T | 1.00 | 0.93 | 0.80 | 0.7 | 1.00 | 0.93 | 0.80 | 0.7 | 1.00 | 1.00 | 0.83 | 0.7 | 1.00 | 1.00 | 0.85 | 0.7 | 1.00 | 1.00 | 0.87 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 31.75 | 29.78 | 26.10 | 22.3 | 31.70 | 29.73 | 26.05 | 22.2 | 31.98 | 30.01 | 26.32 | 22.5 | 31.68 | 29.71 | 26.03 | 22.2 | 31.42 | 29.45 | 25.76 | 21.9 | 32.65 | 30.68 | 27.00 | 23.2 |
| | | kW | 3.73 | 3.72 | 3.71 | 3.7 | 4.19 | 4.19 | 4.18 | 4.2 | 4.71 | 4.71 | 4.70 | 4.7 | 5.27 | 5.27 | 5.26 | 5.3 | 5.90 | 5.89 | 5.89 | 5.9 | 6.63 | 6.63 | 6.62 | 6.7 |
| | | Amps | 13.83 | 13.81 | 13.78 | 13.9 | 15.85 | 15.83 | 15.80 | 16.0 | 18.10 | 18.09 | 18.05 | 18.2 | 20.54 | 20.53 | 20.49 | 20.6 | 23.27 | 23.26 | 23.22 | 23.4 | 26.47 | 26.45 | 26.42 | 26.6 |
| | | Hi PR | 288 | 289 | 291 | 296.3 | 333 | 334 | 336 | 340.8 | 379 | 380 | 382 | 387.3 | 429 | 431 | 433 | 437.4 | 483 | 485 | 487 | 491.5 | 541 | 542 | 544 | 549.1 |
| | | Lo PR | 126 | 128 | 131 | 135.8 | 133 | 135 | 138 | 143.1 | 140 | 141 | 144 | 149.5 | 145 | 147 | 150 | 154.9 | 151 | 152 | 155 | 160.2 | 157 | 159 | 162 | 166.9 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 70 | 1000 | MBh | 40.0 | 40.5 | 41.7 | - | 39.6 | 40.2 | 41.4 | - | 38.5 | 39.1 | 40.3 | - | 36.7 | 37.3 | 38.5 | - | 34.5 | 35.1 | 36.3 | - | 32.5 | 33.1 | 34.3 | - |
| | | S/T | 0.54 | 0.47 | 0.33 | - | 0.55 | 0.47 | 0.34 | - | 0.57 | 0.50 | 0.36 | - | 0.59 | 0.52 | 0.38 | - | 1.00 | 0.54 | 0.41 | - | 1.00 | 0.59 | 0.46 | - |
| | | ΔT | 21.40 | 19.50 | 15.94 | - | 21.35 | 19.44 | 15.89 | - | 21.61 | 19.71 | 16.16 | - | 21.33 | 19.42 | 15.87 | - | 21.07 | 19.17 | 15.62 | - | 22.26 | 20.36 | 16.81 | - |
| | | kW | 2.30 | 2.30 | 2.29 | - | 2.59 | 2.59 | 2.59 | - | 2.92 | 2.92 | 2.91 | - | 3.27 | 3.27 | 3.26 | - | 3.67 | 3.66 | 3.66 | - | 4.13 | 4.13 | 4.12 | - |
| | | Amps | 8.51 | 8.50 | 8.48 | - | 9.78 | 9.77 | 9.75 | - | 11.20 | 11.19 | 11.17 | - | 12.73 | 12.72 | 12.70 | - | 14.45 | 14.44 | 14.42 | - | 16.46 | 16.45 | 16.43 | - |
| | | Hi PR | 268 | 269 | 271 | - | 310 | 311 | 313 | - | 355 | 356 | 358 | - | 403 | 404 | 406 | - | 454 | 455 | 457 | - | 509 | 511 | 512 | - |
| | | Lo PR | 122 | 124 | 127 | - | 130 | 132 | 135 | - | 137 | 138 | 141 | - | 142 | 144 | 147 | - | 148 | 149 | 152 | - | 154 | 156 | 159 | - |
| | 1250 | MBh | 40.8 | 41.3 | 42.5 | - | 40.4 | 41.0 | 42.2 | - | 39.4 | 39.9 | 41.1 | - | 37.5 | 38.1 | 39.3 | - | 35.3 | 35.9 | 37.1 | - | 33.3 | 33.9 | 35.1 | - |
| | | S/T | 0.65 | 0.57 | 0.44 | - | 0.65 | 0.58 | 0.45 | - | 0.68 | 0.60 | 0.47 | - | 1.00 | 0.62 | 0.49 | - | 1.00 | 0.65 | 0.51 | - | 1.00 | 0.70 | 0.56 | - |
| | | ΔT | 19.43 | 17.52 | 13.97 | - | 19.37 | 17.47 | 13.92 | - | 19.64 | 17.74 | 14.19 | - | 19.35 | 17.45 | 13.90 | - | 19.10 | 17.20 | 13.64 | - | 20.29 | 18.39 | 14.84 | - |
| | | kW | 2.33 | 2.32 | 2.32 | - | 2.62 | 2.62 | 2.61 | - | 2.94 | 2.94 | 2.94 | - | 3.30 | 3.30 | 3.29 | - | 3.69 | 3.69 | 3.68 | - | 4.16 | 4.15 | 4.15 | - |
| | | Amps | 8.62 | 8.61 | 8.59 | - | 9.89 | 9.88 | 9.86 | - | 11.31 | 11.30 | 11.28 | - | 12.85 | 12.84 | 12.82 | - | 14.56 | 14.55 | 14.53 | - | 16.57 | 16.56 | 16.54 | - |
| | | Hi PR | 271 | 273 | 275 | - | 314 | 315 | 317 | - | 358 | 360 | 361 | - | 406 | 407 | 409 | - | 458 | 459 | 461 | - | 513 | 514 | 516 | - |
| | | Lo PR | 125 | 127 | 130 | - | 133 | 134 | 138 | - | 139 | 141 | 144 | - | 145 | 147 | 150 | - | 150 | 152 | 155 | - | 157 | 159 | 162 | - |
| | 1500 | MBh | 41.8 | 42.4 | 43.6 | - | 41.5 | 42.0 | 43.2 | - | 40.4 | 41.0 | 42.2 | - | 38.6 | 39.2 | 40.4 | - | 36.4 | 37.0 | 38.2 | - | 34.4 | 35.0 | 36.2 | - |
| | | S/T | 0.69 | 0.62 | 0.48 | - | 0.70 | 0.62 | 0.49 | - | 0.72 | 0.65 | 0.51 | - | 1.00 | 0.67 | 0.53 | - | 1.00 | 0.69 | 0.56 | - | 1.00 | 0.74 | 0.61 | - |
| | | ΔT | 17.93 | 16.03 | 12.48 | - | 17.88 | 15.98 | 12.43 | - | 18.15 | 16.25 | 12.69 | - | 17.86 | 15.96 | 12.41 | - | 17.61 | 15.70 | 12.15 | - | 18.80 | 16.90 | 13.34 | - |
| | | kW | 2.35 | 2.34 | 2.34 | - | 2.64 | 2.64 | 2.63 | - | 2.96 | 2.96 | 2.96 | - | 3.32 | 3.31 | 3.31 | - | 3.71 | 3.71 | 3.70 | - | 4.17 | 4.17 | 4.17 | - |
| | | Amps | 8.71 | 8.70 | 8.68 | - | 9.98 | 9.97 | 9.95 | - | 11.40 | 11.39 | 11.37 | - | 12.93 | 12.92 | 12.90 | - | 14.65 | 14.64 | 14.62 | - | 16.66 | 16.65 | 16.63 | - |
| | | Hi PR | 275 | 276 | 278 | - | 317 | 319 | 321 | - | 362 | 363 | 365 | - | 410 | 411 | 413 | - | 462 | 463 | 465 | - | 517 | 518 | 520 | - |
| | | Lo PR | 129 | 130 | 133 | - | 136 | 138 | 141 | - | 143 | 144 | 147 | - | 148 | 150 | 153 | - | 154 | 155 | 158 | - | 161 | 162 | 165 | - |
| 75 | 1000 | MBh | 40.0 | 40.5 | 41.7 | 43.6 | 39.6 | 40.2 | 41.4 | 43.2 | 38.6 | 39.1 | 40.3 | 42.2 | 36.8 | 37.3 | 38.5 | 40.4 | 34.6 | 35.1 | 36.3 | 38.2 | 32.5 | 33.1 | 34.3 | 36.1 |
| | | S/T | 0.67 | 0.59 | 0.46 | 0.3 | 0.67 | 0.60 | 0.47 | 0.3 | 1.00 | 0.62 | 0.49 | 0.4 | 1.00 | 0.64 | 0.51 | 0.4 | 1.00 | 0.66 | 0.53 | 0.4 | 1.00 | 1.00 | 0.58 | 0.4 |
| | | ΔT | 25.58 | 23.68 | 20.13 | 16.4 | 25.53 | 23.63 | 20.07 | 16.4 | 25.80 | 23.89 | 20.34 | 16.7 | 25.51 | 23.61 | 20.05 | 16.4 | 25.26 | 23.35 | 19.80 | 16.1 | 26.45 | 24.54 | 20.99 | 17.3 |
| | | kW | 2.30 | 2.30 | 2.29 | 2.3 | 2.59 | 2.59 | 2.58 | 2.6 | 2.92 | 2.91 | 2.91 | 2.9 | 3.27 | 3.27 | 3.26 | 3.3 | 3.66 | 3.66 | 3.66 | 3.7 | 4.13 | 4.12 | 4.12 | 4.1 |
| | | Amps | 8.50 | 8.49 | 8.47 | 8.6 | 9.77 | 9.76 | 9.74 | 9.8 | 11.19 | 11.18 | 11.16 | 11.3 | 12.73 | 12.72 | 12.69 | 12.8 | 14.44 | 14.43 | 14.41 | 14.5 | 16.45 | 16.44 | 16.42 | 16.5 |
| | | Hi PR | 268 | 269 | 271 | 275.7 | 310 | 312 | 313 | 318.1 | 355 | 356 | 358 | 362.6 | 403 | 404 | 406 | 410.6 | 454 | 456 | 458 | 462.2 | 510 | 511 | 513 | 517.3 |
| | | Lo PR | 123 | 124 | 127 | 132.5 | 130 | 132 | 135 | 140.0 | 137 | 138 | 141 | 146.6 | 142 | 144 | 147 | 152.1 | 148 | 149 | 152 | 157.6 | 154 | 156 | 159 | 164.4 |
| | 1250 | MBh | 40.8 | 41.4 | 42.6 | 44.4 | 40.4 | 41.0 | 42.2 | 44.0 | 39.4 | 39.9 | 41.1 | 43.0 | 37.6 | **38.1** | 39.3 | 41.2 | 35.4 | 35.9 | 37.1 | 39.0 | 33.3 | 33.9 | 35.1 | 36.9 |
| | | S/T | 0.77 | 0.70 | 0.57 | 0.4 | 0.78 | 0.71 | 0.57 | 0.4 | 1.00 | 0.73 | 0.60 | 0.5 | 1.00 | **0.75** | 0.62 | 0.5 | 1.00 | 0.77 | 0.64 | 0.5 | 1.00 | 1.00 | 0.69 | 0.5 |
| | | ΔT | 23.61 | 21.71 | 18.15 | 14.5 | 23.56 | 21.65 | 18.10 | 14.4 | 23.83 | 21.92 | 18.37 | 14.7 | 23.54 | **21.64** | 18.08 | 14.4 | 23.28 | 21.38 | 17.83 | 14.1 | 24.48 | 22.57 | 19.02 | 15.3 |
| | | kW | 2.32 | 2.32 | 2.32 | 2.3 | 2.62 | 2.61 | 2.61 | 2.6 | 2.94 | 2.94 | 2.94 | 3.0 | 3.30 | **3.29** | 3.29 | 3.3 | 3.69 | 3.69 | 3.68 | 3.7 | 4.15 | 4.15 | 4.15 | 4.2 |
| | | Amps | 8.61 | 8.60 | 8.58 | 8.7 | 9.89 | 9.88 | 9.85 | 10.0 | 11.30 | 11.29 | 11.27 | 11.4 | 12.84 | **12.83** | 12.81 | 12.9 | 14.55 | 14.54 | 14.52 | 14.6 | 16.57 | 16.56 | 16.53 | 16.6 |
| | | Hi PR | 272 | 273 | 275 | 279.4 | 314 | 315 | 317 | 321.9 | 359 | 360 | 362 | 366.4 | 407 | **408** | 410 | 414.3 | 458 | 459 | 461 | 466.0 | 513 | 515 | 516 | 521.1 |
| | | Lo PR | 125 | 127 | 130 | 135.3 | 133 | 134 | 138 | 142.8 | 139 | 141 | 144 | 149.4 | 145 | **147** | 150 | 155.0 | 151 | 152 | 155 | 160.4 | 157 | 159 | 162 | 167.3 |
| | 1500 | MBh | 41.9 | 42.4 | 43.6 | 45.5 | 41.5 | 42.1 | 43.3 | 45.1 | 40.4 | 41.0 | 42.2 | 44.1 | 38.6 | 39.2 | 40.4 | 42.2 | 36.4 | 37.0 | 38.2 | 40.0 | 34.4 | 35.0 | 36.2 | 38.0 |
| | | S/T | 0.82 | 0.74 | 0.61 | 0.5 | 1.00 | 0.75 | 0.62 | 0.5 | 1.00 | 0.77 | 0.64 | 0.5 | 1.00 | 0.79 | 0.66 | 0.5 | 1.00 | 1.00 | 0.68 | 0.5 | 1.00 | 1.00 | 0.73 | 0.6 |
| | | ΔT | 22.12 | 20.21 | 16.66 | 13.0 | 22.07 | 20.16 | 16.61 | 12.9 | 22.33 | 20.43 | 16.88 | 13.2 | 22.05 | 20.14 | 16.59 | 12.9 | 21.79 | 19.89 | 16.34 | 12.7 | 22.98 | 21.08 | 17.53 | 13.8 |
| | | kW | 2.34 | 2.34 | 2.34 | 2.4 | 2.64 | 2.63 | 2.63 | 2.7 | 2.96 | 2.96 | 2.96 | 3.0 | 3.32 | 3.31 | 3.31 | 3.3 | 3.71 | 3.71 | 3.70 | 3.7 | 4.17 | 4.17 | 4.17 | 4.2 |
| | | Amps | 8.70 | 8.69 | 8.67 | 8.8 | 9.97 | 9.96 | 9.94 | 10.0 | 11.39 | 11.38 | 11.36 | 11.5 | 12.92 | 12.91 | 12.89 | 13.0 | 14.64 | 14.63 | 14.61 | 14.7 | 16.65 | 16.64 | 16.62 | 16.7 |
| | | Hi PR | 275 | 276 | 278 | 283.0 | 318 | 319 | 321 | 325.5 | 362 | 363 | 365 | 370.0 | 410 | 411 | 413 | 417.9 | 462 | 463 | 465 | 469.6 | 517 | 518 | 520 | 524.7 |
| | | Lo PR | 129 | 130 | 133 | 138.7 | 136 | 138 | 141 | 146.2 | 143 | 144 | 147 | 152.8 | 148 | 150 | 153 | 158.3 | 154 | 155 | 159 | 163.8 | 161 | 162 | 165 | 170.6 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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

| | | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 65 | | | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | |
| | | | 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 |
| 80 | 1000 | MBh | 40.2 | 40.8 | 42.0 | 43.8 | 39.8 | 40.4 | 41.6 | 43.4 | 38.8 | 39.3 | 40.5 | 42.4 | 37.0 | 37.5 | 38.7 | 40.6 | 34.8 | 35.3 | 36.5 | 38.4 | 32.7 | 33.3 | 34.5 | 36.4 |
| | | S/T | 1.00 | 0.71 | 0.58 | 0.4 | 1.00 | 0.72 | 0.59 | 0.4 | 1.00 | 0.74 | 0.61 | 0.5 | 1.00 | 0.76 | 0.63 | 0.5 | 1.00 | 1.00 | 0.65 | 0.5 | 1.00 | 1.00 | 0.70 | 0.6 |
| | | ΔT | 29.79 | 27.89 | 24.34 | 20.7 | 29.74 | 27.84 | 24.29 | 20.6 | 30.01 | 28.11 | 24.55 | 20.9 | 29.72 | 27.82 | 24.27 | 20.6 | 29.47 | 27.57 | 24.01 | 20.3 | 30.66 | 28.76 | 25.20 | 21.5 |
| | | kW | 2.30 | 2.30 | 2.29 | 2.3 | 2.59 | 2.59 | 2.58 | 2.6 | 2.92 | 2.92 | 2.91 | 2.9 | 3.27 | 3.27 | 3.26 | 3.3 | 3.67 | 3.66 | 3.66 | 3.7 | 4.13 | 4.13 | 4.12 | 4.1 |
| | | Amps | 8.51 | 8.50 | 8.48 | 8.6 | 9.78 | 9.77 | 9.75 | 9.8 | 11.20 | 11.19 | 11.17 | 11.3 | 12.73 | 12.72 | 12.70 | 12.8 | 14.45 | 14.44 | 14.42 | 14.5 | 16.46 | 16.45 | 16.43 | 16.5 |
| | | Hi PR | 268 | 270 | 271 | 276.2 | 311 | 312 | 314 | 318.6 | 355 | 357 | 358 | 363.1 | 403 | 404 | 406 | 411.1 | 455 | 456 | 458 | 462.7 | 510 | 511 | 513 | 517.8 |
| | | Lo PR | 123 | 125 | 128 | 133.0 | 131 | 132 | 135 | 140.5 | 137 | 139 | 142 | 147.1 | 143 | 144 | 147 | 152.7 | 148 | 150 | 153 | 158.1 | 155 | 157 | 160 | 165.0 |
| | 1250 | MBh | 41.0 | 41.6 | 42.8 | 44.6 | 40.6 | 41.2 | 42.4 | 44.2 | 39.6 | 40.2 | 41.4 | 43.2 | 37.8 | 38.3 | **39.5** | 41.4 | 35.6 | 36.1 | 37.3 | 39.2 | 33.5 | 34.1 | 35.3 | 37.2 |
| | | S/T | 1.00 | 0.82 | 0.69 | 0.6 | 1.00 | 0.83 | 0.70 | 0.6 | 1.00 | 0.85 | 0.72 | 0.6 | 1.00 | 1.00 | **0.74** | 0.6 | 1.00 | 1.00 | 0.76 | 0.6 | 1.00 | 1.00 | 0.81 | 0.7 |
| | | ΔT | 27.82 | 25.92 | 22.37 | 18.7 | 27.77 | 25.87 | 22.31 | 18.6 | 28.04 | 26.13 | 22.58 | 18.9 | 27.75 | 25.85 | **22.29** | 18.6 | 27.50 | 25.59 | 22.04 | 18.4 | 28.69 | 26.78 | 23.23 | 19.6 |
| | | kW | 2.33 | 2.32 | 2.32 | 2.3 | 2.62 | 2.62 | 2.61 | 2.6 | 2.94 | 2.94 | 2.94 | 3.0 | 3.30 | 3.30 | **3.29** | 3.3 | 3.69 | 3.69 | 3.68 | 3.7 | 4.15 | 4.15 | 4.15 | 4.2 |
| | | Amps | 8.62 | 8.61 | 8.59 | 8.7 | 9.89 | 9.88 | 9.86 | 10.0 | 11.31 | 11.30 | 11.28 | 11.4 | 12.85 | 12.84 | **12.81** | 12.9 | 14.56 | 14.55 | 14.53 | 14.6 | 16.57 | 16.56 | 16.54 | 16.6 |
| | | Hi PR | 272 | 273 | 275 | 279.9 | 315 | 316 | 318 | 322.4 | 359 | 360 | 362 | 366.9 | 407 | 408 | **410** | 414.8 | 459 | 460 | 462 | 466.5 | 514 | 515 | 517 | 521.6 |
| | | Lo PR | 126 | 127 | 131 | 135.9 | 133 | 135 | 138 | 143.4 | 140 | 142 | 145 | 150.0 | 146 | 147 | **150** | 155.5 | 151 | 153 | 156 | 161.0 | 158 | 159 | 163 | 167.8 |
| | 1500 | MBh | 42.1 | 42.6 | 43.8 | 45.7 | 41.7 | 42.3 | 43.5 | 45.3 | 40.7 | 41.2 | 42.4 | 44.3 | 38.9 | 39.4 | 40.6 | 42.5 | 36.6 | 37.2 | 38.4 | 40.2 | 34.6 | 35.2 | 36.4 | 38.2 |
| | | S/T | 1.00 | 0.86 | 0.73 | 0.6 | 1.00 | 0.87 | 0.74 | 0.6 | 1.00 | 0.89 | 0.76 | 0.6 | 1.00 | 1.00 | 0.78 | 0.6 | 1.00 | 1.00 | 0.80 | 0.7 | 1.00 | 1.00 | 0.85 | 0.7 |
| | | ΔT | 26.33 | 24.43 | 20.87 | 17.2 | 26.28 | 24.37 | 20.82 | 17.1 | 26.55 | 24.64 | 21.09 | 17.4 | 26.26 | 24.36 | 20.80 | 17.1 | 26.00 | 24.10 | 20.55 | 16.9 | 27.20 | 25.29 | 21.74 | 18.1 |
| | | kW | 2.35 | 2.34 | 2.34 | 2.4 | 2.64 | 2.64 | 2.63 | 2.7 | 2.96 | 2.96 | 2.96 | 3.0 | 3.32 | 3.31 | 3.31 | 3.3 | 3.71 | 3.71 | 3.70 | 3.7 | 4.17 | 4.17 | 4.17 | 4.2 |
| | | Amps | 8.71 | 8.70 | 8.67 | 8.8 | 9.98 | 9.97 | 9.95 | 10.0 | 11.40 | 11.39 | 11.36 | 11.5 | 12.93 | 12.92 | 12.90 | 13.0 | 14.65 | 14.64 | 14.61 | 14.7 | 16.66 | 16.65 | 16.63 | 16.7 |
| | | Hi PR | 276 | 277 | 279 | 283.5 | 318 | 319 | 321 | 326.0 | 363 | 364 | 366 | 370.5 | 411 | 412 | 414 | 418.4 | 462 | 463 | 465 | 470.0 | 517 | 519 | 520 | 525.2 |
| | | Lo PR | 129 | 131 | 134 | 139.2 | 137 | 138 | 141 | 146.7 | 143 | 145 | 148 | 153.3 | 149 | 150 | 154 | 158.9 | 154 | 156 | 159 | 164.3 | 161 | 163 | 166 | 171.2 |
| 85 | 1000 | MBh | 40.9 | 41.4 | 42.6 | 44.5 | 40.5 | 41.1 | 42.3 | 44.1 | 39.5 | 40.0 | 41.2 | 43.1 | 37.6 | 38.2 | 39.4 | 41.3 | 35.4 | 36.0 | 37.2 | 39.0 | 33.4 | 34.0 | 35.2 | 37.0 |
| | | S/T | 1.00 | 0.81 | 0.68 | 0.5 | 1.00 | 0.82 | 0.69 | 0.5 | 1.00 | 1.00 | 0.71 | 0.6 | 1.00 | 1.00 | 0.73 | 0.6 | 1.00 | 1.00 | 0.75 | 0.6 | 1.00 | 1.00 | 1.00 | 0.7 |
| | | ΔT | 33.53 | 31.63 | 28.07 | 24.4 | 33.48 | 31.58 | 28.02 | 24.3 | 33.75 | 31.84 | 28.29 | 24.6 | 33.46 | 31.56 | 28.00 | 24.3 | 33.20 | 31.30 | 27.75 | 24.1 | 34.40 | 32.49 | 28.94 | 25.3 |
| | | kW | 2.31 | 2.30 | 2.30 | 2.3 | 2.60 | 2.60 | 2.59 | 2.6 | 2.92 | 2.92 | 2.92 | 2.9 | 3.28 | 3.27 | 3.27 | 3.3 | 3.67 | 3.67 | 3.66 | 3.7 | 4.13 | 4.13 | 4.13 | 4.1 |
| | | Amps | 8.53 | 8.52 | 8.50 | 8.6 | 9.80 | 9.79 | 9.77 | 9.9 | 11.22 | 11.21 | 11.19 | 11.3 | 12.76 | 12.75 | 12.73 | 12.8 | 14.47 | 14.46 | 14.44 | 14.5 | 16.48 | 16.47 | 16.45 | 16.5 |
| | | Hi PR | 270 | 271 | 273 | 277.4 | 312 | 313 | 315 | 319.9 | 357 | 358 | 360 | 364.4 | 405 | 406 | 408 | 412.3 | 456 | 457 | 459 | 464.0 | 511 | 513 | 514 | 519.1 |
| | | Lo PR | 125 | 126 | 130 | 134.9 | 132 | 134 | 137 | 142.4 | 139 | 141 | 144 | 149.0 | 145 | 146 | 149 | 154.5 | 150 | 152 | 155 | 160.0 | 157 | 158 | 162 | 166.8 |
| | 1250 | MBh | 41.7 | 42.2 | 43.4 | 45.3 | 41.3 | 41.9 | 43.1 | 44.9 | 40.3 | 40.8 | 42.0 | 43.9 | 38.5 | 39.0 | 40.2 | 42.1 | 36.2 | 36.8 | 38.0 | 39.8 | 34.2 | 34.8 | 36.0 | 37.8 |
| | | S/T | 1.00 | 0.92 | 0.79 | 0.6 | 1.00 | 1.00 | 0.79 | 0.7 | 1.00 | 1.00 | 0.82 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 31.56 | 29.65 | 26.10 | 22.4 | 31.51 | 29.60 | 26.05 | 22.4 | 31.77 | 29.87 | 26.32 | 22.6 | 31.49 | 29.58 | 26.03 | 22.3 | 31.23 | 29.33 | 25.78 | 22.1 | 32.42 | 30.52 | 26.97 | 23.3 |
| | | kW | 2.33 | 2.33 | 2.32 | 2.3 | 2.62 | 2.62 | 2.62 | 2.6 | 2.95 | 2.95 | 2.94 | 3.0 | 3.30 | 3.30 | 3.30 | 3.3 | 3.70 | 3.70 | 3.69 | 3.7 | 4.16 | 4.16 | 4.15 | 4.2 |
| | | Amps | 8.65 | 8.64 | 8.61 | 8.7 | 9.92 | 9.91 | 9.88 | 10.0 | 11.34 | 11.33 | 11.30 | 11.4 | 12.87 | 12.86 | 12.84 | 12.9 | 14.59 | 14.58 | 14.55 | 14.7 | 16.60 | 16.59 | 16.57 | 16.7 |
| | | Hi PR | 273 | 275 | 277 | 281.2 | 316 | 317 | 319 | 323.7 | 360 | 362 | 363 | 368.2 | 408 | 409 | 411 | 416.1 | 460 | 461 | 463 | 467.7 | 515 | 516 | 518 | 522.9 |
| | | Lo PR | 128 | 129 | 132 | 137.7 | 135 | 137 | 140 | 145.2 | 142 | 143 | 147 | 151.8 | 147 | 149 | 152 | 157.4 | 153 | 154 | 158 | 162.8 | 160 | 161 | 164 | 169.7 |
| | 1500 | MBh | 42.7 | 43.3 | 44.5 | 46.4 | 42.4 | 43.0 | 44.2 | 46.0 | 41.3 | 41.9 | 43.1 | 44.9 | 39.5 | 40.1 | 41.3 | 43.1 | 37.3 | 37.9 | 39.1 | 40.9 | 35.3 | 35.9 | 37.1 | 38.9 |
| | | S/T | 1.00 | 0.96 | 0.83 | 0.7 | 1.00 | 1.00 | 0.84 | 0.7 | 1.00 | 1.00 | 0.86 | 0.7 | 1.00 | 1.00 | 0.88 | 0.7 | 1.00 | 1.00 | 1.00 | 0.8 | 1.00 | 1.00 | 1.00 | 0.8 |
| | | ΔT | 30.07 | 28.16 | 24.61 | 20.9 | 30.01 | 28.11 | 24.56 | 20.9 | 30.28 | 28.38 | 24.83 | 21.1 | 29.99 | 28.09 | 24.54 | 20.9 | 29.74 | 27.84 | 24.28 | 20.6 | 30.93 | 29.03 | 25.48 | 21.8 |
| | | kW | 2.35 | 2.35 | 2.34 | 2.4 | 2.64 | 2.64 | 2.64 | 2.7 | 2.97 | 2.97 | 2.96 | 3.0 | 3.32 | 3.32 | 3.32 | 3.3 | 3.72 | 3.71 | 3.71 | 3.7 | 4.18 | 4.18 | 4.17 | 4.2 |
| | | Amps | 8.73 | 8.72 | 8.70 | 8.8 | 10.00 | 9.99 | 9.97 | 10.1 | 11.42 | 11.41 | 11.39 | 11.5 | 12.96 | 12.95 | 12.92 | 13.0 | 14.67 | 14.66 | 14.64 | 14.7 | 16.68 | 16.67 | 16.65 | 16.7 |
| | | Hi PR | 277 | 278 | 280 | 284.8 | 319 | 321 | 323 | 327.2 | 364 | 365 | 367 | 371.7 | 412 | 413 | 415 | 419.7 | 464 | 465 | 467 | 471.3 | 519 | 520 | 522 | 526.4 |
| | | Lo PR | 131 | 133 | 136 | 141.1 | 139 | 140 | 143 | 148.6 | 145 | 147 | 150 | 155.2 | 151 | 152 | 155 | 160.7 | 156 | 158 | 161 | 166.2 | 163 | 165 | 168 | 173.0 |

IDB = Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

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

**GPHH52431** **100% Capacity**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **65** | **60** | **55** | **50** | **47** | **45** | **40** | **35** | **30** | **25** | **20** | **17** | **15** | **10** | **5** | | **-5** |
| MBh | 31.70 | 29.54 | 27.42 | 25.33 | **24.00** | 22.98 | 20.44 | 18.13 | 16.24 | 14.83 | 13.77 | 13.20 | 12.48 | 10.68 | 8.88 | 7.08 | 5.28 |
| T/R | 32.26 | 30.35 | 28.45 | 26.54 | **25.40** | 24.32 | 21.63 | 19.18 | 17.19 | 15.69 | 14.57 | 13.97 | 13.21 | 11.30 | 9.40 | 7.49 | 5.59 |
| KW | 1.89 | 1.85 | 1.81 | 1.78 | **1.76** | 1.74 | 1.71 | 1.67 | 1.64 | 1.60 | 1.57 | 1.55 | 1.53 | 1.50 | 1.46 | 1.43 | 1.39 |
| AMPS | 6.8 | 6.7 | 6.5 | 6.3 | **6.3** | 6.2 | 6.0 | 5.9 | 5.7 | 5.6 | 5.4 | 5.3 | 5.3 | 5.1 | 5.0 | 4.8 | 4.7 |
| COP | 4.93 | 4.68 | 4.43 | 4.17 | **4.00** | 3.86 | 3.50 | 3.17 | 2.90 | 2.71 | 2.57 | 2.50 | 2.39 | 2.09 | 1.78 | 1.45 | 1.11 |
| Hi PR | 394 | 382 | 369 | 356 | **348** | 343 | 330 | 317 | 305 | 292 | 279 | 271 | 266 | 253 | 240 | 228 | 215 |
| LO PR | 142 | 133 | 125 | 116 | **110** | 107 | 98 | 89 | 80 | 71 | 63 | 57 | 54 | 45 | 36 | 27 | 18 |

**GPHH53031** **100% Capacity**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **65** | **60** | **55** | **50** | **47** | **45** | **40** | **35** | **30** | **25** | **20** | **17** | **15** | **10** | **5** | | **-5** |
| MBh | 32.59 | 30.75 | 28.94 | 27.16 | **26.00** | 25.15 | 23.16 | 21.09 | 19.55 | 18.38 | 17.55 | 17.10 | 16.51 | 15.02 | 13.54 | 12.06 | 10.57 |
| T/R | 27.64 | 26.33 | 25.02 | 23.71 | **22.93** | 22.25 | 20.43 | 18.68 | 17.24 | 16.21 | 15.47 | 15.08 | 14.56 | 13.25 | 11.94 | 10.63 | 9.32 |
| KW | 2.03 | 2.01 | 2.00 | 1.98 | **1.97** | 1.97 | 1.95 | 1.94 | 1.92 | 1.91 | 1.89 | 1.88 | 1.88 | 1.86 | 1.85 | 1.83 | 1.82 |
| AMPS | 7.2 | 7.1 | 7.0 | 7.0 | **6.9** | 6.9 | 6.8 | 6.8 | 6.7 | 6.6 | 6.6 | 6.5 | 6.5 | 6.4 | 6.4 | 6.3 | 6.2 |
| COP | 4.71 | 4.48 | 4.24 | 4.01 | **3.86** | 3.75 | 3.48 | 3.19 | 2.98 | 2.82 | 2.72 | 2.66 | 2.58 | 2.36 | 2.15 | 1.93 | 1.70 |
| Hi PR | 402 | 388 | 375 | 362 | **355** | 349 | 336 | 323 | 310 | 297 | 284 | 276 | 271 | 258 | 245 | 232 | 219 |
| LO PR | 137 | 128 | 120 | 111 | **106** | 103 | 94 | 86 | 77 | 69 | 60 | 55 | 52 | 43 | 35 | 26 | 18 |

**GPHH53631** **100% Capacity**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **65** | **60** | **55** | **50** | **47** | **45** | **40** | **35** | **30** | **25** | **20** | **17** | **15** | **10** | **5** | | **-5** |
| MBh | 38.06 | 35.81 | 33.59 | 31.41 | **30.00** | 28.97 | 26.46 | 24.04 | 22.05 | 20.60 | 19.56 | 19.00 | 18.27 | 16.43 | 14.60 | 12.77 | 10.93 |
| T/R | 28.72 | 27.28 | 25.84 | 24.41 | **23.54** | 22.77 | 20.76 | 18.86 | 17.30 | 16.17 | 15.35 | 14.91 | 14.33 | 12.89 | 11.46 | 10.02 | 8.58 |
| KW | 2.56 | 2.52 | 2.48 | 2.44 | **2.42** | 2.40 | 2.36 | 2.32 | 2.28 | 2.24 | 2.20 | 2.18 | 2.16 | 2.12 | 2.08 | 2.04 | 2.00 |
| AMPS | 9.3 | 9.1 | 8.9 | 8.7 | **8.6** | 8.6 | 8.4 | 8.2 | 8.0 | 7.9 | 7.7 | 7.6 | 7.5 | 7.3 | 7.2 | 7.0 | 6.8 |
| COP | 4.36 | 4.17 | 3.97 | 3.77 | **3.64** | 3.54 | 3.29 | 3.04 | 2.84 | 2.70 | 2.61 | 2.56 | 2.48 | 2.27 | 2.06 | 1.84 | 1.60 |
| Hi PR | 375 | 363 | 351 | 339 | **331** | 327 | 314 | 302 | 290 | 278 | 265 | 258 | 253 | 241 | 229 | 217 | 204 |
| LO PR | 133 | 124 | 116 | 108 | **103** | 100 | 91 | 83 | 75 | 67 | 58 | 53 | 50 | 42 | 34 | 25 | 17 |

**GPHH53631** **70 % Capacity**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **65** | **60** | **55** | **50** | **47** | **45** | **40** | **35** | **30** | **25** | **20** | **17** | **15** | **10** | **5** | | **-5** |
| MBh | 28.44 | 26.54 | 24.66 | 22.82 | **21.64** | 20.75 | 18.52 | 16.47 | 14.80 | 13.56 | 12.63 | 12.13 | 11.50 | 9.91 | 8.33 | 6.74 | 5.16 |
| T/R | 31.66 | 29.82 | 27.99 | 26.15 | **25.05** | 24.02 | 21.43 | 19.06 | 17.13 | 15.70 | 14.62 | 14.04 | 13.31 | 11.47 | 9.64 | 7.80 | 5.97 |
| KW | 1.57 | 1.52 | 1.47 | 1.42 | **1.40** | 1.38 | 1.33 | 1.28 | 1.23 | 1.19 | 1.14 | 1.11 | 1.09 | 1.04 | 1.00 | 0.95 | 0.90 |
| AMPS | 5.5 | 5.3 | 5.1 | 4.9 | **4.8** | 4.7 | 4.5 | 4.3 | 4.1 | 3.9 | 3.7 | 3.6 | 3.5 | 3.3 | 3.1 | 2.9 | 2.7 |
| COP | 5.32 | 5.12 | 4.91 | 4.70 | **4.55** | 4.42 | 4.08 | 3.77 | 3.52 | 3.35 | 3.25 | 3.20 | 3.09 | 2.78 | 2.45 | 2.08 | 1.67 |
| Hi PR | 364 | 352 | 340 | 328 | **321** | 316 | 305 | 293 | 281 | 269 | 257 | 250 | 245 | 234 | 222 | 210 | 198 |
| LO PR | 130 | 122 | 114 | 106 | **101** | 98 | 90 | 82 | 74 | 65 | 57 | 53 | 49 | 41 | 33 | 25 | 17 |

**GPHH54231** **100 % Capacity**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **65** | **60** | **55** | **50** | **47** | **45** | **40** | **35** | **30** | **25** | **20** | **17** | **15** | **10** | **5** | | **-5** |
| MBh | 55.12 | 51.35 | 47.91 | 43.99 | **41.50** | 39.53 | 34.68 | 30.34 | 26.81 | 24.14 | 22.09 | 21.00 | 19.63 | 16.22 | 12.80 | 9.38 | 5.97 |
| T/R | 38.32 | 35.89 | 33.45 | 31.02 | **29.56** | 28.15 | 24.70 | 21.61 | 19.09 | 17.19 | 15.74 | 14.96 | 13.98 | 11.55 | 9.12 | 6.68 | 4.25 |
| KW | 3.66 | 3.58 | 3.51 | 3.43 | **3.38** | 3.35 | 3.27 | 3.19 | 3.11 | 3.03 | 2.95 | 2.90 | 2.87 | 2.79 | 2.71 | 2.63 | 2.55 |
| AMPS | 13.9 | 13.5 | 13.2 | 12.8 | **12.6** | 12.5 | 12.1 | 11.8 | 11.5 | 11.1 | 10.8 | 10.6 | 10.4 | 10.1 | 9.7 | 9.4 | 9.0 |
| COP | 4.41 | 4.20 | 4.01 | 3.76 | **3.60** | 3.46 | 3.11 | 2.79 | 2.53 | 2.33 | 2.19 | 2.12 | 2.00 | 1.70 | 1.38 | 1.04 | 0.68 |
| Hi PR | 393 | 380 | 368 | 355 | **347** | 342 | 329 | 317 | 304 | 291 | 278 | 270 | 265 | 253 | 240 | 227 | 214 |
| LO PR | 128 | 120 | 112 | 104 | **100** | 97 | 89 | 81 | 73 | 65 | 57 | 52 | 49 | 41 | 33 | 25 | 17 |

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Amps = Outdoor unit amps (comp.+fan) motor)

Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

kW = Total system power

**GPHH54231** **70 % CAPACITY**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | | -5 |
| MBh | 39.77 | 37.04 | 34.60 | 31.80 | **29.94** | 28.31 | 24.39 | 20.92 | 18.12 | 15.97 | 14.30 | 13.41 | 12.31 | 9.55 | 6.79 | 4.04 | 1.28 |
| T/R | 36.10 | 33.63 | 31.18 | 28.68 | **27.18** | 25.70 | 22.14 | 18.99 | 16.45 | 14.50 | 12.98 | 12.17 | 11.17 | 8.67 | 6.17 | 3.67 | 1.16 |
| KW | 2.23 | 2.16 | 2.08 | 2.00 | **1.95** | 1.92 | 1.84 | 1.76 | 1.69 | 1.61 | 1.53 | 1.48 | 1.45 | 1.37 | 1.30 | 1.22 | 1.14 |
| AMPS | 8.1 | 7.8 | 7.4 | 7.1 | **6.9** | 6.7 | 6.4 | 6.1 | 5.7 | 5.4 | 5.0 | 4.8 | 4.7 | 4.4 | 4.0 | 3.7 | 3.3 |
| COP | 5.22 | 5.04 | 4.88 | 4.66 | **4.50** | 4.32 | 3.88 | 3.48 | 3.15 | 2.91 | 2.74 | 2.65 | 2.48 | 2.04 | 1.54 | 0.97 | 0.33 |
| Hi PR | 381 | 369 | 356 | 344 | **336** | 332 | 319 | 307 | 294 | 282 | 270 | 262 | 257 | 245 | 232 | 220 | 208 |
| LO PR | 126 | 118 | 111 | 103 | **98** | 95 | 87 | 79 | 71 | 63 | 56 | 51 | 48 | 40 | 32 | 24 | 16 |

**GPHH54831** **100 % CAPACITY**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | | -5 |
| MBh | 52.83 | 49.66 | 46.55 | 43.48 | **41.50** | 40.06 | 36.50 | 33.10 | 30.31 | 28.27 | 26.79 | 26.00 | 24.97 | 22.38 | 19.80 | 17.22 | 14.63 |
| T/R | 30.35 | 28.81 | 27.26 | 25.72 | **24.79** | 23.96 | 21.80 | 19.77 | 18.10 | 16.89 | 16.00 | 15.53 | 14.91 | 13.37 | 11.83 | 10.28 | 8.74 |
| KW | 3.37 | 3.35 | 3.33 | 3.32 | **3.31** | 3.30 | 3.28 | 3.26 | 3.25 | 3.23 | 3.21 | 3.20 | 3.19 | 3.18 | 3.16 | 3.14 | 3.13 |
| AMPS | 12.2 | 12.1 | 12.0 | 12.0 | **11.9** | 11.9 | 11.8 | 11.7 | 11.7 | 11.6 | 11.5 | 11.5 | 11.4 | 11.4 | 11.3 | 11.2 | 11.1 |
| COP | 4.60 | 4.34 | 4.09 | 3.84 | **3.68** | 3.56 | 3.26 | 2.97 | 2.74 | 2.57 | 2.44 | 2.38 | 2.29 | 2.06 | 1.84 | 1.61 | 1.37 |
| Hi PR | 370 | 358 | 346 | 334 | **326** | 321 | 309 | 297 | 285 | 273 | 261 | 254 | 249 | 237 | 225 | 213 | 201 |
| LO PR | 128 | 120 | 112 | 104 | **100** | 97 | 89 | 81 | 73 | 65 | 57 | 52 | 49 | 41 | 33 | 25 | 17 |

**GPHH54831** **70 % CAPACITY**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | | -5 |
| MBh | 39.46 | 36.79 | 34.17 | 31.58 | **29.94** | 28.69 | 25.55 | 22.68 | 20.35 | 18.61 | 17.30 | 16.60 | 15.71 | 13.49 | 11.26 | 9.04 | 6.82 |
| T/R | 34.44 | 32.43 | 30.41 | 28.39 | **27.18** | 26.04 | 23.19 | 20.59 | 18.48 | 16.89 | 15.71 | 15.07 | 14.26 | 12.24 | 10.22 | 8.21 | 6.19 |
| KW | 2.07 | 2.03 | 1.98 | 1.94 | **1.91** | 1.89 | 1.85 | 1.80 | 1.75 | 1.71 | 1.66 | 1.64 | 1.62 | 1.57 | 1.53 | 1.48 | 1.43 |
| AMPS | 7.4 | 7.2 | 7.0 | 6.8 | **6.7** | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.5 | 5.4 | 5.2 | 5.0 | 4.8 | 4.6 |
| COP | 5.58 | 5.32 | 5.05 | 4.78 | **4.60** | 4.45 | 4.06 | 3.69 | 3.40 | 3.19 | 3.05 | 2.98 | 2.85 | 2.52 | 2.16 | 1.79 | 1.39 |
| Hi PR | 358 | 347 | 335 | 323 | **316** | 312 | 300 | 288 | 277 | 265 | 253 | 246 | 242 | 230 | 218 | 207 | 195 |
| LO PR | 126 | 118 | 111 | 103 | **98** | 95 | 87 | 79 | 71 | 63 | 56 | 51 | 48 | 40 | 32 | 24 | 16 |

**GPHH56031** **100 % CAPACITY**

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | | -5 |
| MBh | 65.81 | 61.95 | 58.15 | 54.42 | **52.00** | 50.24 | 45.96 | 41.81 | 38.41 | 35.93 | 34.16 | 33.20 | 31.95 | 28.81 | 25.68 | 22.55 | 19.41 |
| T/R | 34.47 | 32.76 | 31.06 | 29.35 | **28.32** | 27.42 | 25.03 | 22.77 | 20.92 | 19.57 | 18.60 | 18.08 | 17.40 | 15.69 | 13.99 | 12.28 | 10.57 |
| KW | 4.30 | 4.28 | 4.26 | 4.24 | **4.23** | 4.23 | 4.21 | 4.19 | 4.17 | 4.15 | 4.13 | 4.12 | 4.12 | 4.10 | 4.08 | 4.06 | 4.04 |
| AMPS | 16.0 | 15.9 | 15.8 | 15.8 | **15.7** | 15.7 | 15.6 | 15.5 | 15.4 | 15.4 | 15.3 | 15.2 | 15.2 | 15.1 | 15.0 | 15.0 | 14.9 |
| COP | 4.49 | 4.24 | 4.00 | 3.76 | **3.60** | 3.48 | 3.20 | 2.93 | 2.70 | 2.54 | 2.42 | 2.36 | 2.27 | 2.06 | 1.85 | 1.63 | 1.41 |
| Hi PR | 407 | 394 | 381 | 367 | **359** | 354 | 341 | 328 | 314 | 301 | 288 | 280 | 275 | 261 | 248 | 235 | 222 |
| LO PR | 124 | 116 | 109 | 101 | **96** | 93 | 85 | 78 | 70 | 62 | 55 | 50 | 47 | 39 | 31 | 24 | 16 |

**GPHH56031** **70 % CAPACITY**

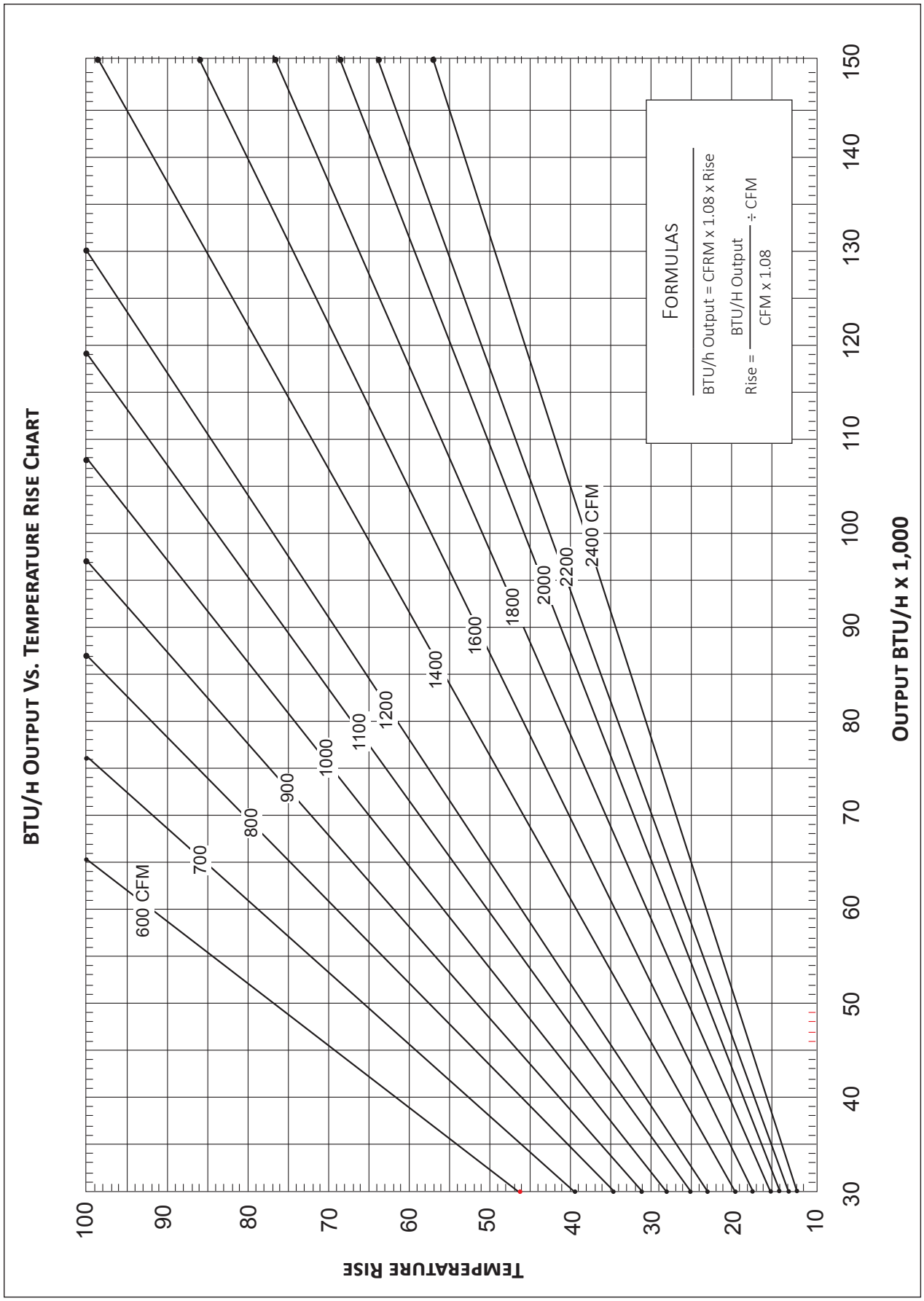
| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | | -5 |
| MBh | 49.20 | 45.92 | 42.70 | 39.54 | **37.51** | 35.99 | 32.15 | 28.64 | 25.78 | 23.65 | 22.05 | 21.20 | 20.11 | 17.39 | 14.67 | 11.95 | 9.23 |
| T/R | 35.04 | 33.03 | 31.01 | 29.00 | **27.79** | 26.66 | 23.82 | 21.22 | 19.10 | 17.52 | 16.33 | 15.70 | 14.90 | 12.88 | 10.87 | 8.85 | 6.84 |
| KW | 2.65 | 2.59 | 2.54 | 2.48 | **2.45** | 2.42 | 2.37 | 2.31 | 2.25 | 2.20 | 2.14 | 2.11 | 2.08 | 2.03 | 1.97 | 1.91 | 1.86 |
| AMPS | 9.5 | 9.3 | 9.0 | 8.8 | **8.6** | 8.6 | 8.3 | 8.1 | 7.8 | 7.6 | 7.3 | 7.2 | 7.1 | 6.8 | 6.6 | 6.3 | 6.1 |
| COP | 5.44 | 5.19 | 4.93 | 4.67 | **4.50** | 4.35 | 3.98 | 3.63 | 3.35 | 3.16 | 3.02 | 2.95 | 2.83 | 2.51 | 2.18 | 1.83 | 1.46 |
| Hi PR | 395 | 382 | 369 | 356 | **348** | 343 | 330 | 318 | 305 | 292 | 279 | 271 | 266 | 253 | 241 | 228 | 215 |
| LO PR | 122 | 114 | 107 | 99 | **95** | 91 | 84 | 76 | 69 | 61 | 54 | 49 | 46 | 38 | 31 | 23 | 16 |

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Amps = Outdoor unit amps (comp.+fan) motor)

Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

kW = Total system power


BTU/H Output Vs. Temperature Rise Chart
Temperature Rise
Output BTU/H x 1,000
100
90
80
70
60
50
40
30
20
10
30
40
50
60
70
80
90
100
110
120
130
140
150
600 CFM
700
800
900
1000
1100
1200
1400
1600
1800
2000
2200
2400 CFM
Formulas
BTU/h Output = CFRM x 1.08 x Rise
Rise = BTU/H Output / CFM x 1.08 ÷ CFM

| MODEL | SPEED* | VOLTS | | E.S.P. (IN. OF $H_2O$) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **0.10** | **0.20** | **0.30** | **0.40** | **0.50** | **0.60** | **0.70** | **0.80** |
| **GPHH52431** | T1 | 230 | CFM | 914 | 866 | 818 | 770 | 722 | 674 | 626 | 578 |
| | | | Watts | 69 | 80 | 91 | 102 | 114 | 125 | 136 | 147 |
| | T2 / T3 | 230 | CFM | 1092 | 1038 | 989 | 936 | 888 | 832 | 782 | 721 |
| | | | Watts | 130 | 141 | 151 | 160 | 172 | 181 | 189 | 201 |
| | T4 / T5 | 230 | CFM | 1231 | 1179 | 1127 | 1074 | 1022 | 969 | 917 | 865 |
| | | | Watts | 168 | 180 | 193 | 205 | 218 | 230 | 243 | 255 |
| **GPHH53031** | T1 | 230 | CFM | 1005 | 961 | 918 | 874 | 831 | 787 | 744 | 700 |
| | | | Watts | 91 | 102 | 114 | 125 | 137 | 149 | 160 | 172 |
| | T2 / T3 | 230 | CFM | 1286 | 1242 | 1196 | 1151 | 1105 | 1059 | 1009 | 948 |
| | | | Watts | 191 | 196 | 207 | 219 | 233 | 241 | 252 | 264 |
| | T4 / T5 | 230 | CFM | 1462 | 1409 | 1357 | 1305 | 1252 | 1200 | 1147 | 1095 |
| | | | Watts | 241 | 253 | 266 | 278 | 291 | 303 | 315 | 328 |
| **GPHH53631** | T1 | 230 | CFM | 855 | 802 | 750 | 697 | 644 | 591 | - | - |
| | | | Watts | 76 | 88 | 100 | 112 | 123 | 133 | - | - |
| | T2 / T3 | 230 | CFM | 1405 | 1365 | 1325 | 1284 | 1242 | 1199 | 1156 | 1112 |
| | | | Watts | 224 | 243 | 262 | 280 | 291 | 302 | 312 | 321 |
| | T4 / T5 | 230 | CFM | 1577 | 1525 | 1472 | 1420 | 1367 | 1315 | 1263 | 1210 |
| | | | Watts | 277 | 290 | 302 | 314 | 327 | 339 | 352 | 364 |
| **GPHH54231** | T1 | 230 | CFM | 1101 | 1052 | 1015 | 970 | 928 | 886 | 848 | 809 |
| | | | Watts | 132 | 144 | 158 | 168 | 179 | 190 | 201 | 211 |
| | T2 / T3 | 230 | CFM | 1536 | 1484 | 1440 | 1403 | 1363 | 1336 | 1294 | 1230 |
| | | | Watts | 274 | 285 | 280 | 311 | 327 | 337 | 346 | 359 |
| | T4 / T5 | 230 | CFM | 1645 | 1602 | 1560 | 1517 | 1475 | 1433 | 1390 | 1347 |
| | | | Watts | 285 | 297 | 309 | 321 | 333 | 346 | 358 | 370 |
| **GPHH54831** | T1 | 230 | CFM | 1143 | 1088 | 1050 | 1011 | 962 | 928 | 905 | 855 |
| | | | Watts | 139 | 149 | 164 | 178 | 186 | 196 | 208 | 218 |
| | T2 / T3 | 230 | CFM | 1828 | 1775 | 1722 | 1677 | 1635 | 1593 | 1548 | 1498 |
| | | | Watts | 403 | 416 | 428 | 439 | 452 | 465 | 477 | 484 |
| | T4 / T5 | 230 | CFM | 2002 | 1935 | 1885 | 1827 | 1767 | 1732 | 1669 | 1618 |
| | | | Watts | 498 | 521 | 516 | 534 | 551 | 567 | 571 | 574 |
| **GPHH56031** | T1 | 230 | CFM | 1412 | 1353 | 1300 | 1256 | 1214 | 1170 | 1123 | 1077 |
| | | | Watts | 211 | 220 | 228 | 236 | 248 | 258 | 269 | 281 |
| | T2 / T3 | 230 | CFM | 1965 | 1908 | 1857 | 1812 | 1770 | 1731 | 1695 | 1658 |
| | | | Watts | 476 | 489 | 500 | 509 | 520 | 530 | 541 | 551 |
| | T4 / T5 | 230 | CFM | 2049 | 1948 | 1914 | 1851 | 1811 | 1770 | 1738 | 1685 |
| | | | Watts | 506 | 522 | 528 | 548 | 544 | 548 | 556 | 568 |

* Speed set at T2 at the factory. DP3CH6041

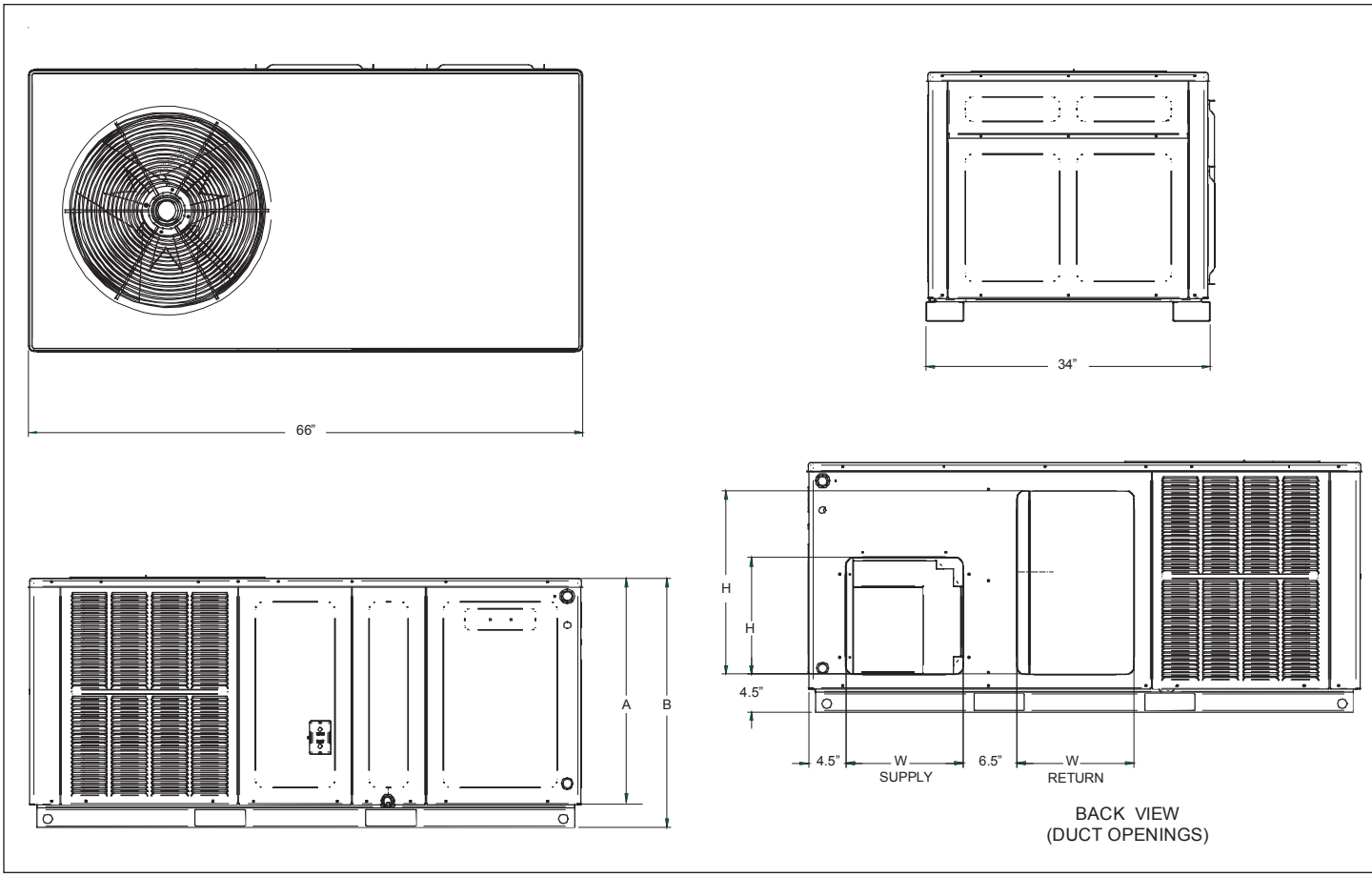
| Model and Heat Kit Usage | Circuit #1 | | Circuit #2 | | Single-Point Kit | | Actual kW |
|---|---|---|---|---|---|---|---|
| | MCA[1] | MOP[2] | MCA[1] | MOP[2] | MCA[1] | MOP[2] | |
| **GPHH52431** | | | | | | | |
| HKTPD051 | 24.7 | 25 | - | - | 42.73 | 45 | 4.75 |
| HKTPD081 | 36.5 | 40 | - | - | 54.53 | 60 | 7 |
| HKTPD101 | 49.5 | 50 | - | - | 67.53 | 70 | 9.5 |
| **GPHH53031** | | | | | | | |
| HKTPD051 | 24.7 | 25 | - | - | 45.45 | 50 | 4.75 |
| HKTPD081 | 36.5 | 40 | - | - | 57.25 | 60 | 7 |
| HKTPD101 | 49.5 | 50 | - | - | 70.25 | 80 | 9.5 |
| HKTPD151 | 49.5 | 50 | 24.7 | 25 | 94.95 | 100 | 14.25 |
| **GPHH53631** | | | | | | | |
| HKTPD051 | 24.7 | 25 | - | - | 48.06 | 50 | 4.75 |
| HKTPD081 | 36.5 | 40 | - | - | 59.86 | 60 | 7 |
| HKTPD101 | 49.5 | 50 | - | - | 72.86 | 80 | 9.5 |
| HKTPD151 | 49.5 | 50 | 24.7 | 25 | 97.56 | 100 | 14.25 |
| **GPHH54231** | | | | | | | |
| HKTPD051 | 24.7 | 25 | - | - | 61.14 | 70 | 4.75 |
| HKTPD081 | 36.5 | 40 | - | - | 72.94 | 80 | 7 |
| HKTPD101 | 49.5 | 50 | - | - | 85.94 | 90 | 9.5 |
| HKTPD151 | 49.5 | 50 | 24.7 | 25 | 110.64 | 125 | 14.25 |
| HKTPD201 | 49.5 | 50 | 49.5 | 50 | 135.44 | 150 | 19 |
| **GPHH54831** | | | | | | | |
| HKTPD051 | 24.7 | 25 | - | - | 61.14 | 70 | 4.75 |
| HKTPD081 | 36.5 | 40 | - | - | 72.94 | 80 | 7 |
| HKTPD101 | 49.5 | 50 | - | - | 85.94 | 90 | 9.5 |
| HKTPD151 | 49.5 | 50 | 24.7 | 25 | 110.64 | 125 | 14.25 |
| HKTPD201 | 49.5 | 50 | 49.5 | 50 | 135.44 | 150 | 19 |
| **GPHH56031** | | | | | | | |
| HKTPD051 | 24.7 | 25 | - | - | 65.34 | 80 | 4.75 |
| HKTPD081 | 36.5 | 40 | - | - | 77.14 | 90 | 7 |
| HKTPD101 | 49.5 | 50 | - | - | 85.94 | 100 | 9.5 |
| HKTPD151 | 49.5 | 50 | 24.7 | 25 | 110.64 | 125 | 14.25 |
| HKTPD201 | 49.5 | 50 | 49.5 | 50 | 135.44 | 150 | 19 |

[1] Minimum Circuit Ampacity

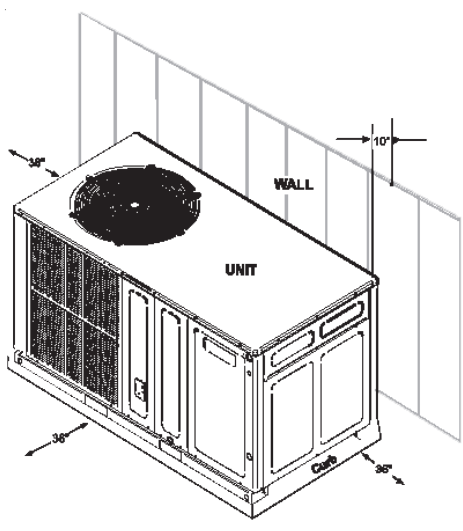
[2] Maximum Overcurrent Protection Device

| Heating kW Correction Factor | | | | | |
|---|---|---|---|---|---|
| Supply Votage | 240 | 230 | 220 | 210 | 208 |
| Correction Factor | 1.0 | 0.93 | 0.85 | 0.78 | 0.76 |

Multiply rated kW by correction factor to get actual kW

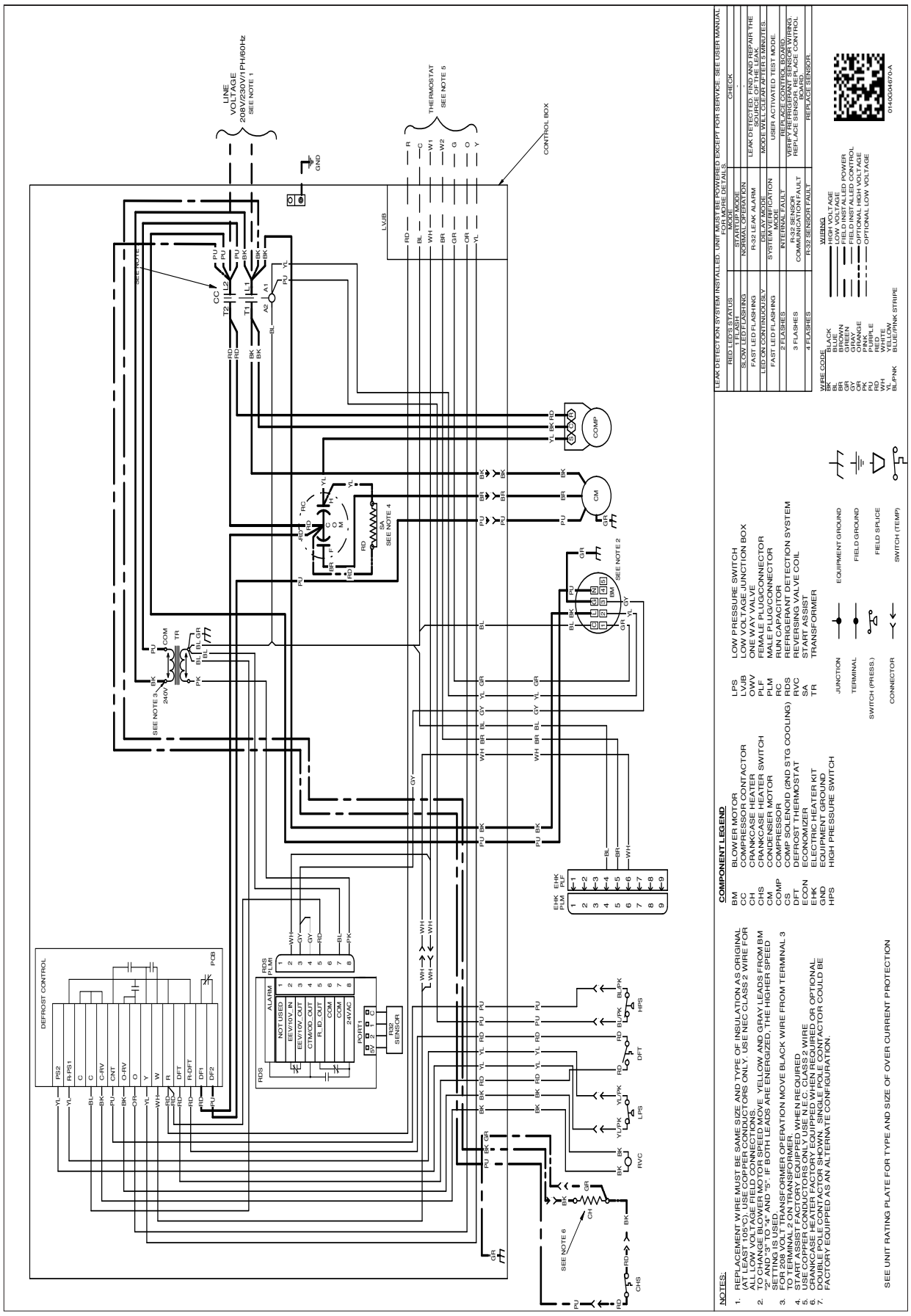



## *MINIMAL CLEARANCES*




| MODEL | UNIT DIMENSIONS | | | | CHASSIS SIZE |
|---|---|---|---|---|---|
| | | | HEIGHT | | |
| | W | D | A | B | |
| GPHH52431 | 66 | 34 | 27½ | 30 | Small |
| GPHH53031 | 66 | 34 | 27½ | 30 | Small |
| GPHH53631 | 66 | 34 | 32½ | 35 | Medium |
| GPHH54231 | 66 | 34 | 32½ | 35 | Medium |
| GPHH54831 | 66 | 34 | 32½ | 35 | Medium |
| GPHH56031 | 66 | 34 | 36 | 38½ | Large |

| MODEL | DUCT OPENINGS | | | |
|---|---|---|---|---|
| | SUPPLY | | RETURN | |
| | W | H | W | H |
| GPHH52431 | 14 | 14 | 14 | 22 |
| GPHH53031 | 14 | 14 | 14 | 22 |
| GPHH53631 | 14 | 14 | 14 | 24 |
| GPHH54231 | 14 | 14 | 14 | 24 |
| GPHH54831 | 14 | 14 | 14 | 24 |
| GPHH56031 | 14 | 14 | 14 | 24 |




**COMPONENT LEGEND**

| | | | |
|---|---|---|---|
| BM | BLOWER MOTOR | LPS | LOW PRESSURE SWITCH |
| CC | COMPRESSOR CONTACTOR | LVJB | LOW VOLTAGE JUNCTION BOX |
| CH | CRANKCASE HEATER | OWV | ONE WAY VALVE |
| CHS | CRANKCASE HEATER SWITCH | PLF | FEMALE PLUG/CONNECTOR |
| CM | CONDENSER MOTOR | PLM | MALE PLUG/CONNECTOR |
| COMP | COMPRESSOR | RC | RUN CAPACITOR |
| CS | COMP SOLENOID (2ND STG COOLING) | RDS | REFRIGERANT DETECTION SYSTEM |
| DFT | DEFROST THERMOSTAT | RVC | REVERSING VALVE COIL |
| ECON | ECONOMIZER | SA | START ASSIST |
| EHK | ELECTRIC HEATER KIT | TR | TRANSFORMER |
| GND | EQUIPMENT GROUND | | |
| HPS | HIGH PRESSURE SWITCH | | |

| | | | |
|---|---|---|---|
| JUNCTION | | EQUIPMENT GROUND | |
| TERMINAL | | FIELD GROUND | |
| SWITCH (PRESS.) | | FIELD SPLICE | |
| CONNECTOR | | SWITCH (TEMP) | |

LEAK DETECTION SYSTEM INSTALLED. UNIT MUST BE POWERED EXCEPT FOR SERVICE. SEE USER MANUAL FOR MORE DETAILS.

| RED LED'S STATUS | MODE | CHECK |
|---|---|---|
| SOLID ON | STARTUP MODE | - |
| SLOW LED FLASHING | NORMAL OPERATION | - |
| FAST LED FLASHING | R-32 LEAK ALARM | LEAK DETECTED. FIND AND REPAIR THE LEAK. REPLACE SENSOR. |
| LED ON CONTINUOUSLY | DELAY MODE | MODE WILL CLEAR AFTER 5 MINUTES. |
| FAST LED FLASHING | SYSTEM VERIFICATION | USER ACTIVATED TEST MODE. |
| 2 FLASHES | INTERNAL FAULT | REPLACE CONTROL BOARD |
| 3 FLASHES | R-32 SENSOR COMMUNICATION FAULT | VERIFY SENSOR CONNECTION AND WIRING. REPLACE SENSOR. REPLACE CONTROL BOARD. |
| 4 FLASHES | R-32 SENSOR FAULT | REPLACE SENSOR |

WIRE CODE

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

WIRING

- HIGH VOLTAGE
- LOW VOLTAGE
- FIELD INSTALLED POWER
- FIELD INSTALLED CONTROL
- OPTIONAL HIGH VOLTAGE
- OPTIONAL LOW VOLTAGE

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (AT LEAST 105°C). USE COPPER CONDUCTORS ONLY. USE NEC CLASS 2 WIRE FOR ALL LOW VOLTAGE FIELD CONNECTIONS.
2. TO CHANGE BLOWER MOTOR SPEED MOVE YELLOW AND GRAY LEADS FROM BM SETTING 1S USED. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTORY EQUIPPED WHEN REQUIRED.
5. USE COPPER CONDUCTORS ONLY. USE N.E.C. CLASS 2 WIRE
6. CRANKCASE HEATER FACTORY EQUIPPED WHEN REQUIRED OR OPTIONAL
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.

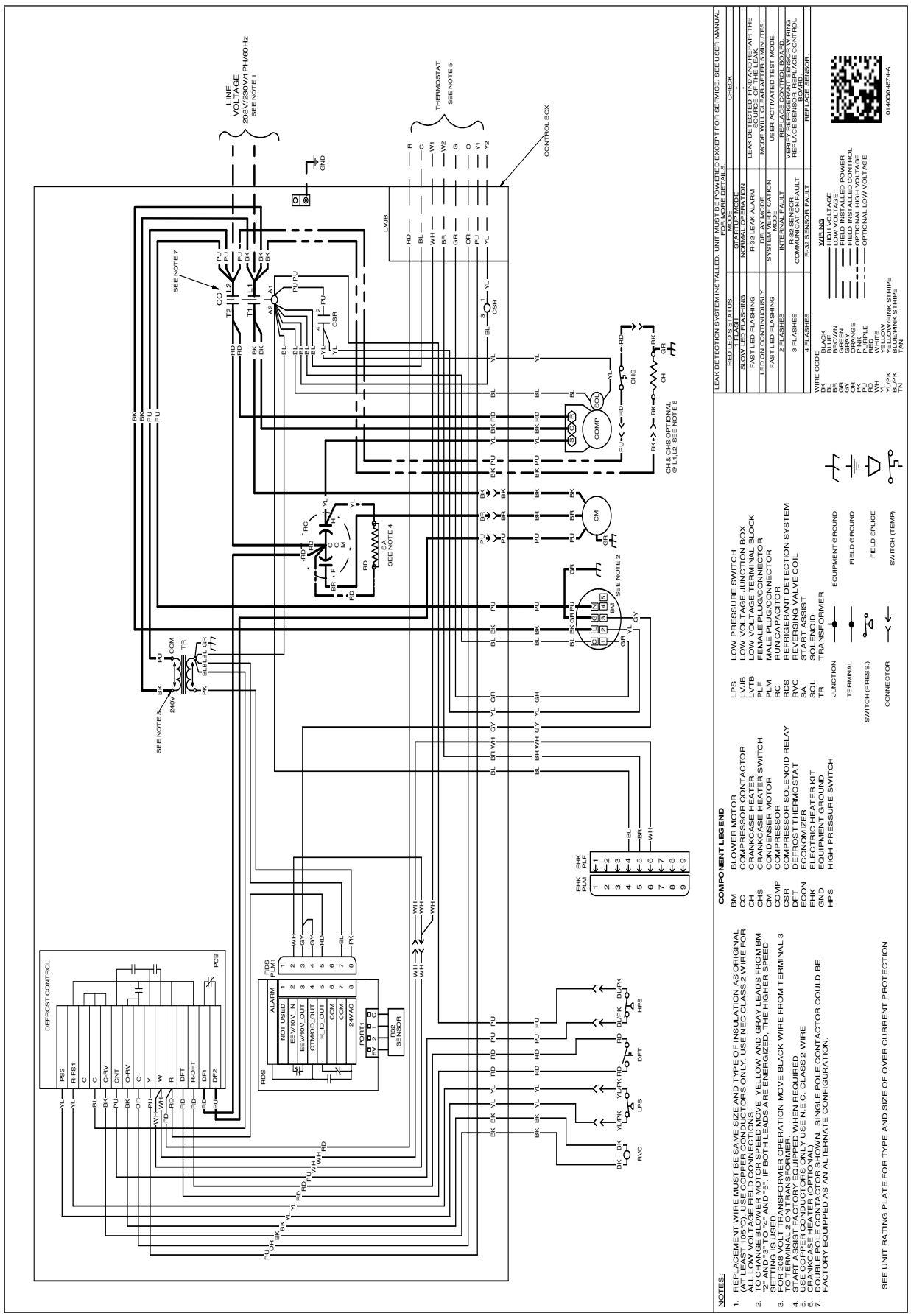
SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

0140G04870A

**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.

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

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| ACCESSORY DESCRIPTION | ITEM NUMBER | |
|---|---|---|
| | SMALL CHASSIS | MEDIUM/LARGE CHASSIS |
| Downflow Economizer (use w/PCCP roof curb) | DDNECNJPCHHA | DDNECNJPCHHA |
| Downflow Plenum Kit (use w/PCCP roof curb) | PCP101-103 | PCP101-103 |
| Downflow Plenum Kit (R-8) (use w/PCCP roof curb) | PCP101-103 R8 | PCP101-103 R8 |
| Elbow Flashing w/R-8 Liner | PCEF101-103 | PCEF101-103 |
| Economizer Wiring Harness | 0259G00213 | 0259G00213 |
| External Horizontal Filter Rack | DPHFRA | DPHFRA |
| Horizontal Economizer | DHZECNJPGCHM | DHZECNJPGCHM |
| Inline Fuse Kit | INFKPKG01 | INFKPKG01 |
| Isolation Relay Kit (req'd with Economizer) | IRKT-01 | IRKT-01 |
| Manual Damper | PCMD101-103 | PCMD101-103 |
| Manual Damper - Horizontal | GPHMD101-103 | GPHMD101-103 |
| Motorized Damper | PCMDM101-103 | PCMDM101-103 |
| Outdoor Thermostat Kit w/ Lockout Stat | OT18-60A | OT18-60A |
| Roof Curb | PCCP101-103 | PCCP101-103 |
| Square to Round Downflow (use w/PCCP roof curb) | SQRPC101 | SQRPC102-103 |
| Square to Round Horizontal | SQRPCH101 | SQRPCH102-103 |