Goodman
Air Conditioning & Heating

# GPD14M

*Cooling Capacity: 23,800 – 45,500 BTU/h*
*Heating Capacity: 60,000 – 138,000 BTU/h*

## *Packaged Dual-Fuel Units*
## *Up to 14.5 SEER*
## *81% AFUE / 8.0 HSPF*




ALL ALUMINUM COIL

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### *Standard Features*

- Combines cooling with heat pump and gas heating for optimal year-long performance
- Durable, corrosion-resistant T-140 aluminized steel tubular heat exchanger
- Energy-efficient scroll compressor
- Heavy-duty aluminized-steel heat exchanger
- Multi-speed ECM indoor blower motor
- Copper tube/aluminum fin coil
- All-aluminum evaporator coil
- Two-stage gas valve; natural gas with easy conversion to propane with accessory kit
- Power-assisted combustion
- Loss-of-charge protection
- Direct spark ignition system includes a microprocessor-based control for the entire ignition sequence
- All blower operation and all safety circuits complete with self-diagnostics
- All models comply with California Low NOx emission standards
- AHRI Certified; ETL Listed

### *Cabinet Features*

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

20 YEAR HEAT EXCHANGER LIMITED WARRANTY* | 10 YEAR PARTS LIMITED WARRANTY*

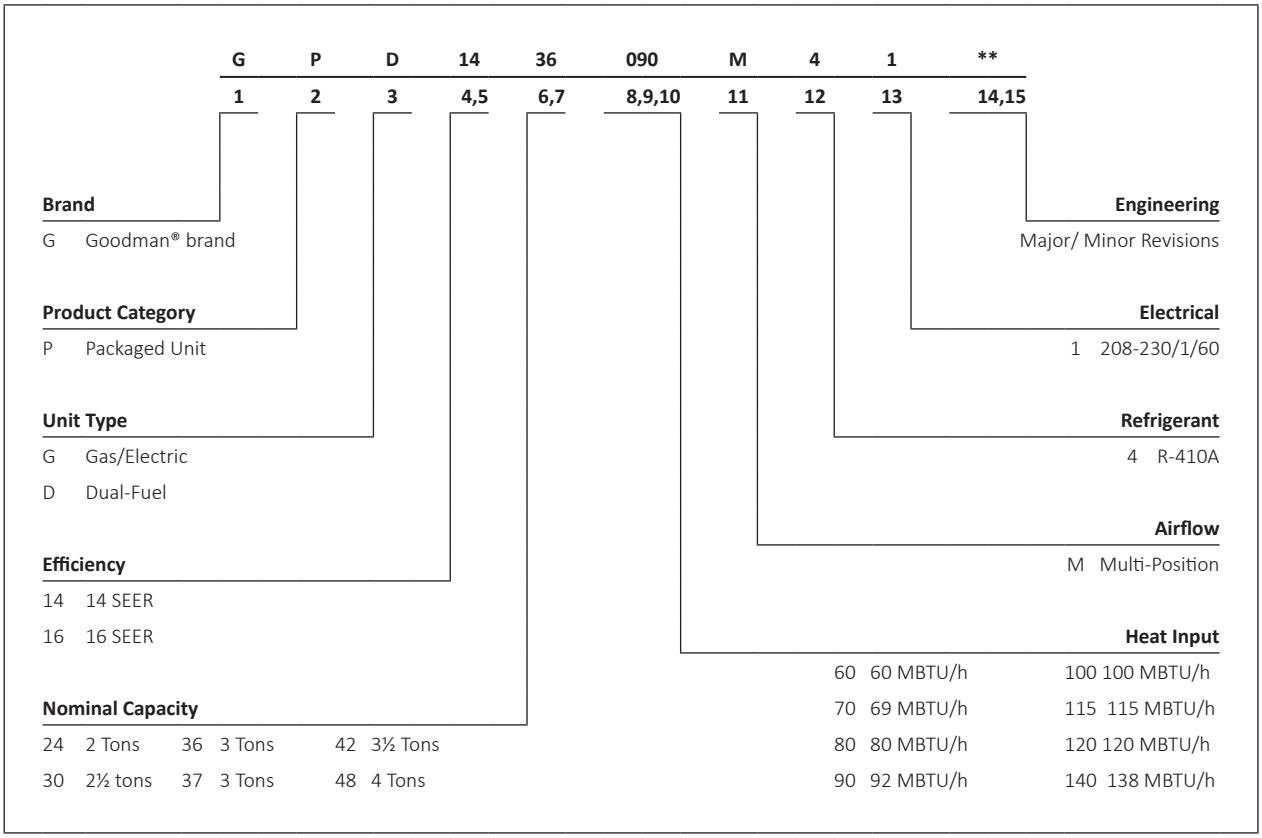
Intertek

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 details 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 or Quebec.


G P D 14 36 090 M 4 1 **
1 2 3 4,5 6,7 8,9,10 11 12 13 14,15
Brand
G Goodman® brand
Product Category
P Packaged Unit
Unit Type
G Gas/Electric
D Dual-Fuel
Efficiency
14 14 SEER
16 16 SEER
Nominal Capacity
24 2 Tons
30 2½ tons
36 3 Tons
37 3 Tons
42 3½ Tons
48 4 Tons
Heat Input
60 60 MBTU/h
70 69 MBTU/h
80 80 MBTU/h
90 92 MBTU/h
100 100 MBTU/h
115 115 MBTU/h
120 120 MBTU/h
140 138 MBTU/h
Airflow
M Multi-Position
Refrigerant
4 R-410A
Electrical
1 208-230/1/60
Engineering
Major/ Minor Revisions

| | GPD1424 060M41A* | GPD1430 080M41A* | GPD1436 080M41A* | GPD1442 100M41A* | GPD1448 100M41A* |
|---|---|---|---|---|---|
| **COOLING** | | | | | |
| Cooling Capacity, BTU/hr | 23,800 | 28,000 | 34,000 | 41,500 | 45,500 |
| Sensible Capacity, BTU/hr | 19,300 | 23,000 | 24,400 | 32,000 | 34,600 |
| SEER / EER | 14.5 / 12.0 | 14.0 / 12.0 | 14.0 / 11.5 | 14.0 / 12.0 | 14.0 / 12.0 |
| Decibels | 76 | 76 | 76 | 76 | 76 |
| AHRI #'S | 8032961 | 8032962 | 8032963 | 8032964 | 8032965 |
| **HEATING** | | | | | |
| Heating Capacity, BTU/hr (47°F / 17°F) | 23,800 / 13,000 | 28,000 / 16,000 | 34,000 / 19,800 | 40.000 / 24,000 | 44,000 / 24,600 |
| C.O.P. (47°F / 17°F) | 3.6 / 2.3 | 3.6 / 2.3 | 3.6 / 2.4 | 3.6 / 2.4 | 3.6 / 2.4 |
| HSPF | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| **GAS HEATING** | | | | | |
| High-Fire Input/Output (BTU/hr) | 60,000 / 49,000 | 80,000 / 65,000 | 80,000 / 65,000 | 100,000 / 81,000 | 100,000 / 81,000 |
| Low-Fire Input/Output (BTU/hr) | 45,000 / 36,000 | 60,000 / 49,000 | 60,000 / 49,000 | 75,000 / 61,000 | 75,000 / 61,000 |
| AFUE (%) | 81 | 81 | 81 | 81 | 81 |
| Temperature Rise Range (°F) | 35 - 65 | 35 - 65 | 35 - 65 | 35 - 65 | 35 - 65 |
| # of Burners | 3 | 4 | 4 | 5 | 5 |
| Orifice Size (Natural / LP) | 45 / 1.25MM | 45 / 1.25MM | 45 / 1.25MM | 45 / 1.25MM | 45 / 1.25MM |
| Primary/Auxiliary Limit Setting (°F) | 160/150 | 150/150 | 150/150 | 170/150 | 170/150 |
| Roll-out Limit Setting (°F) | 300 | 350 | 350 | 350 | 350 |
| **EVAPORATOR COIL** | | | | | |
| Face Area ($ft^2$) | 4.3 | 4.3 | 4.3 | 5.7 | 5.7 |
| # Rows / Fins per Inch | 3 / 16 | 3 / 16 | 4 / 14 | 4 / 14 | 4 / 14 |
| Expansion Device (Orifice Diameter in.) | 0.059 | 0.065 | 0.068 | 0.072 | 0.076 |
| Filter Size ($ft^2$) / Drain Size (NPT) | 2.7 / ¾ | 4.2 / ¾ | 4.2 / ¾ | 5.1 / ¾ | 5.1 / ¾ |
| Refrigerant Charge - R-410A (oz) | 120 | 108 | 124 | 206 | 185 |
| **EVAPORATOR MOTOR** | | | | | |
| Wheel (D x W) | 10" x 8" | 10" x 9" | 10" x 9" | 11" x 10" | 11" x 10" |
| Type / # of Speeds | EEM / 5 | EEM / 5 | EEM / 5 | EEM / 5 | EEM / 5 |
| Motor Horsepower / FLA | ½ / 4.1 | ½ / 1.86 | ½ / 1.86 | ¾ / 2.87 | ¾ / 2.87 |
| Motor Speed Tap (Cooling and Heat Pump) | T4 | T4 | T4 | T4 | T4 |
| RPM (Cooling and Heat Pump) | 755 | 810 | 880 | 880 | 950 |
| Nominal CFM (Cooling and Heat Pump) | 850 | 1,030 | 1,200 | 1,370 | 1,300 |
| **CONDENSER COIL** | | | | | |
| Face Area ($ft^2$) | 12.2 | 12.2 | 12.2 | 15.3 | 15.3 |
| # Rows / Fins per Inch | 2 / 16 | 2 / 16 | 2 / 16 | 2 / 16 | 2 / 16 |
| Expansion Device (Orifice Diameter in.) | 0.045 | 0.047 | 0.061 | 0.055 | 0.057 |
| **CONDENSER MOTOR / FAN** | | | | | |
| Fan Diameter / # of Blades | 22" / 3 | 22" / 3 | 22" / 3 | 22" / 3 | 22" / 3 |
| Outdoor Nominal CFM | 2,100 | 2,500 | 2,500 | 3,150 | 3,200 |
| Motor Horsepower - RPM | 1/6 - 815 | 1/4 - 837 | 1/4 - 837 | 1/4 - 1094 | 1/4 - 1094 |
| Motor FLA | 1.1 | 1.5 | 1.5 | 1.4 | 1.4 |
| **COMPRESSOR** | | | | | |
| Type / Stage | Scroll / Single | Scroll / Single | Scroll / Single | Scroll / Single | Scroll / Single |
| Run Load Amps / Locked Rotor Amps | 12.8 / 58.3 | 14.1 / 73.0 | 16.6 / 79.0 | 17.9 / 112.0 | 19.8 / 109.0 |
| **ELECTRICAL SPECIFICATIONS** | | | | | |
| Voltage / Phase (60 Hz) | 208-230/1 | 208-230/1 | 208-230/1 | 208-230/1 | 208-230/1 |
| Total Unit Amps | 18.0 | 17.5 | 20.0 | 22.2 | 24.1 |
| Minimum Circuit Ampacity | 21.2 | 21 | 24.2 | 26.7 | 29.1 |
| Maximum Overcurrent Protection | 30 | 35 | 40 | 40 | 45 |
| Entrance Size Power Supply | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 |
| Entrance Size Control Voltage | 7/8 | 7/8 | 7/8 | 7/8 | 7/8 |
| **OPERATING / SHIPPING WEIGHT (LBS)** | 420 / 440 | 420 / 440 | 440 / 460 | 525 / 545 | 525 / 545 |

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

| | | | 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 |
| 70 | 955 | MBh | 24.1 | 25.0 | 27.4 | - | 23.5 | 24.4 | 26.7 | - | 23.0 | 23.8 | 26.1 | - | 22.4 | 23.2 | 25.5 | - | 21.3 | 22.1 | 24.2 | - | 19.7 | 20.5 | 22.4 | - |
| | | S/T | 0.82 | 0.68 | 0.47 | - | 0.85 | 0.71 | 0.49 | - | 0.87 | 0.73 | 0.50 | - | 0.90 | 0.75 | 0.52 | - | 0.93 | 0.78 | 0.54 | - | 0.94 | 0.78 | 0.54 | - |
| | | ΔT | 19 | 16 | 12 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 18 | 15 | 12 | - |
| | | kW | 1.56 | 1.59 | 1.64 | - | 1.68 | 1.72 | 1.78 | - | 1.79 | 1.83 | 1.89 | - | 1.89 | 1.93 | 2.00 | - | 1.97 | 2.02 | 2.08 | - | 2.04 | 2.09 | 2.16 | - |
| | | Amps | 6.5 | 6.6 | 6.8 | - | 6.9 | 7.1 | 7.3 | - | 7.5 | 7.7 | 7.9 | - | 8.0 | 8.2 | 8.4 | - | 8.5 | 8.7 | 8.9 | - | 8.9 | 9.2 | 9.4 | - |
| | | HI PR | 232 | 250 | 264 | - | 260 | 280 | 296 | - | 296 | 319 | 336 | - | 337 | 363 | 383 | - | 379 | 408 | 431 | - | 419 | 451 | 476 | - |
| | | LO PR | 111 | 118 | 129 | - | 117 | 125 | 136 | - | 122 | 130 | 141 | - | 128 | 136 | 149 | - | 134 | 143 | 156 | - | 139 | 148 | 161 | - |
| | 850 | MBh | 23.4 | 24.3 | 26.6 | - | 22.9 | 23.7 | 26.0 | - | 22.3 | 23.1 | 25.3 | - | 21.8 | 22.6 | 24.7 | - | 20.7 | 21.4 | 23.5 | - | 19.2 | 19.9 | 21.8 | - |
| | | S/T | 0.78 | 0.65 | 0.45 | - | 0.81 | 0.67 | 0.47 | - | 0.83 | 0.69 | 0.48 | - | 0.86 | 0.71 | 0.49 | - | 0.89 | 0.74 | 0.51 | - | 0.90 | 0.75 | 0.52 | - |
| | | ΔT | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 19 | 16 | 12 | - |
| | | kW | 1.54 | 1.58 | 1.63 | - | 1.67 | 1.71 | 1.76 | - | 1.78 | 1.82 | 1.88 | - | 1.87 | 1.91 | 1.98 | - | 1.95 | 2.00 | 2.07 | - | 2.02 | 2.07 | 2.14 | - |
| | | Amps | 6.4 | 6.5 | 6.7 | - | 6.9 | 7.0 | 7.3 | - | 7.4 | 7.6 | 7.8 | - | 7.9 | 8.1 | 8.4 | - | 8.4 | 8.6 | 8.9 | - | 8.9 | 9.1 | 9.4 | - |
| | | HI PR | 230 | 247 | 261 | - | 258 | 277 | 293 | - | 293 | 315 | 333 | - | 334 | 359 | 379 | - | 376 | 404 | 427 | - | 415 | 446 | 471 | - |
| | | LO PR | 110 | 117 | 128 | - | 116 | 123 | 135 | - | 121 | 128 | 140 | - | 127 | 135 | 147 | - | 133 | 141 | 154 | - | 137 | 146 | 159 | - |
| | 745 | MBh | 21.6 | 22.4 | 24.5 | - | 21.1 | 21.9 | 24.0 | - | 20.6 | 21.3 | 23.4 | - | 20.1 | 20.8 | 22.8 | - | 19.1 | 19.8 | 21.7 | - | 17.7 | 18.3 | 20.1 | - |
| | | S/T | 0.75 | 0.63 | 0.43 | - | 0.78 | 0.65 | 0.45 | - | 0.80 | 0.67 | 0.46 | - | 0.82 | 0.69 | 0.48 | - | 0.86 | 0.71 | 0.50 | - | 0.86 | 0.72 | 0.50 | - |
| | | ΔT | 20 | 17 | 13 | - | 20 | 18 | 13 | - | 20 | 18 | 13 | - | 20 | 18 | 13 | - | 20 | 17 | 13 | - | 19 | 16 | 12 | - |
| | | kW | 1.51 | 1.54 | 1.59 | - | 1.63 | 1.66 | 1.72 | - | 1.73 | 1.77 | 1.83 | - | 1.82 | 1.87 | 1.93 | - | 1.90 | 1.95 | 2.01 | - | 1.97 | 2.02 | 2.09 | - |
| | | Amps | 6.2 | 6.4 | 6.6 | - | 6.7 | 6.9 | 7.1 | - | 7.2 | 7.4 | 7.6 | - | 7.7 | 7.9 | 8.1 | - | 8.2 | 8.4 | 8.6 | - | 8.6 | 8.8 | 9.1 | - |
| | | HI PR | 223 | 240 | 253 | - | 250 | 269 | 284 | - | 284 | 306 | 323 | - | 324 | 348 | 368 | - | 364 | 392 | 414 | - | 402 | 433 | 457 | - |
| | | LO PR | 107 | 113 | 124 | - | 113 | 120 | 131 | - | 117 | 124 | 136 | - | 123 | 131 | 143 | - | 129 | 137 | 150 | - | 133 | 142 | 155 | - |
| 75 | 955 | MBh | 24.5 | 25.2 | 27.3 | 29.3 | 23.9 | 24.7 | 26.7 | 28.6 | 23.4 | 24.1 | 26.1 | 28.0 | 22.8 | 23.5 | 25.4 | 27.3 | 21.7 | 22.3 | 24.1 | 25.9 | 20.1 | 20.7 | 22.4 | 24.0 |
| | | S/T | 0.93 | 0.83 | 0.63 | 0.40 | 0.96 | 0.86 | 0.65 | 0.42 | 0.99 | 0.88 | 0.67 | 0.43 | 1.00 | 0.91 | 0.69 | 0.44 | 1.00 | 0.95 | 0.72 | 0.46 | 1.00 | 0.95 | 0.72 | 0.46 |
| | | ΔT | 22 | 20 | 17 | 11 | 22 | 20 | 17 | 12 | 22 | 20 | 17 | 12 | 22 | 21 | 17 | 12 | 21 | 20 | 17 | 11 | 19 | 19 | 16 | 11 |
| | | kW | 1.57 | 1.61 | 1.66 | 1.71 | 1.70 | 1.73 | 1.79 | 1.85 | 1.81 | 1.85 | 1.91 | 1.98 | 1.90 | 1.95 | 2.01 | 2.08 | 1.99 | 2.03 | 2.10 | 2.18 | 2.06 | 2.11 | 2.18 | 2.26 |
| | | Amps | 6.5 | 6.7 | 6.9 | 7.1 | 7.0 | 7.2 | 7.4 | 7.6 | 7.6 | 7.7 | 8.0 | 8.3 | 8.1 | 8.2 | 8.5 | 8.8 | 8.5 | 8.7 | 9.0 | 9.3 | 9.0 | 9.2 | 9.5 | 9.9 |
| | | HI PR | 234 | 252 | 266 | 278 | 263 | 283 | 299 | 312 | 299 | 322 | 340 | 354 | 341 | 366 | 387 | 404 | 383 | 412 | 435 | 454 | 423 | 456 | 481 | 502 |
| | | LO PR | 112 | 119 | 130 | 139 | 118 | 126 | 137 | 146 | 123 | 131 | 143 | 152 | 129 | 137 | 150 | 160 | 135 | 144 | 157 | 168 | 140 | 149 | 163 | 173 |
| | 850 | MBh | 23.8 | 24.5 | 26.5 | 28.5 | 23.2 | 23.9 | 25.9 | 27.8 | 22.7 | 23.4 | 25.3 | 27.1 | 22.1 | **22.8** | 24.7 | 26.5 | 21.0 | 21.7 | 23.4 | 25.2 | 19.5 | 20.1 | 21.7 | 23.3 |
| | | S/T | 0.89 | 0.79 | 0.60 | 0.39 | 0.92 | 0.82 | 0.62 | 0.40 | 0.94 | 0.84 | 0.64 | 0.41 | 0.97 | **0.87** | 0.66 | 0.42 | 1.00 | 0.90 | 0.68 | 0.44 | 1.00 | 0.91 | 0.69 | 0.44 |
| | | ΔT | 23 | 21 | 17 | 12 | 23 | 21 | 17 | 12 | 23 | 21 | 17 | 12 | 23 | **21** | 18 | 12 | 23 | 21 | 17 | 12 | 21 | 20 | 16 | 11 |
| | | kW | 1.56 | 1.59 | 1.64 | 1.70 | 1.68 | 1.72 | 1.78 | 1.84 | 1.79 | 1.83 | 1.89 | 1.96 | 1.89 | **1.93** | 2.00 | 2.07 | 1.97 | 2.02 | 2.08 | 2.16 | 2.04 | 2.09 | 2.16 | 2.24 |
| | | Amps | 6.5 | 6.6 | 6.8 | 7.0 | 6.9 | 7.1 | 7.3 | 7.6 | 7.5 | 7.7 | 7.9 | 8.2 | 8.0 | **8.2** | 8.4 | 8.7 | 8.5 | 8.7 | 8.9 | 9.3 | 8.9 | 9.2 | 9.4 | 9.8 |
| | | HI PR | 232 | 250 | 264 | 275 | 260 | 280 | 296 | 309 | 296 | 319 | 336 | 351 | 337 | **363** | 383 | 400 | 379 | 408 | 431 | 450 | 419 | 451 | 476 | 497 |
| | | LO PR | 111 | 118 | 129 | 137 | 117 | 125 | 136 | 145 | 122 | 130 | 141 | 151 | 128 | **136** | 149 | 158 | 134 | 143 | 156 | 166 | 139 | 148 | 161 | 172 |
| | 745 | MBh | 22.0 | 22.6 | 24.5 | 26.3 | 21.5 | 22.1 | 23.9 | 25.7 | 20.9 | 21.6 | 23.3 | 25.1 | 20.4 | 21.0 | 22.8 | 24.4 | 19.4 | 20.0 | 21.6 | 23.2 | 18.0 | 18.5 | 20.0 | 21.5 |
| | | S/T | 0.85 | 0.76 | 0.58 | 0.37 | 0.89 | 0.79 | 0.60 | 0.39 | 0.91 | 0.81 | 0.61 | 0.40 | 0.94 | 0.84 | 0.63 | 0.41 | 0.97 | 0.87 | 0.66 | 0.42 | 0.98 | 0.88 | 0.66 | 0.43 |
| | | ΔT | 23 | 21 | 17 | 12 | 23 | 22 | 18 | 12 | 23 | 22 | 18 | 12 | 24 | 22 | 18 | 12 | 23 | 21 | 18 | 12 | 22 | 20 | 16 | 11 |
| | | kW | 1.52 | 1.55 | 1.60 | 1.66 | 1.64 | 1.68 | 1.73 | 1.79 | 1.75 | 1.79 | 1.85 | 1.91 | 1.84 | 1.88 | 1.95 | 2.01 | 1.92 | 1.96 | 2.03 | 2.10 | 1.99 | 2.03 | 2.10 | 2.18 |
| | | Amps | 6.3 | 6.4 | 6.6 | 6.9 | 6.8 | 6.9 | 7.1 | 7.4 | 7.3 | 7.5 | 7.7 | 8.0 | 7.8 | 8.0 | 8.2 | 8.5 | 8.2 | 8.4 | 8.7 | 9.0 | 8.7 | 8.9 | 9.2 | 9.5 |
| | | HI PR | 225 | 242 | 256 | 267 | 253 | 272 | 287 | 299 | 287 | 309 | 326 | 340 | 327 | 352 | 372 | 388 | 368 | 396 | 418 | 436 | 407 | 438 | 462 | 482 |
| | | LO PR | 108 | 114 | 125 | 133 | 114 | 121 | 132 | 141 | 118 | 126 | 137 | 146 | 124 | 132 | 144 | 154 | 130 | 138 | 151 | 161 | 135 | 143 | 156 | 166 |

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

| | | | 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 | 955 | MBh | 25.0 | 25.5 | 27.2 | 29.1 | 24.4 | 24.9 | 26.6 | 28.4 | 23.8 | 24.3 | 26.0 | 27.8 | 23.2 | 23.7 | 25.3 | 27.1 | 22.1 | 22.5 | 24.1 | 25.7 | 20.4 | 20.9 | 22.3 | 23.8 |
| | | S/T | 1.00 | 0.96 | 0.78 | 0.58 | 1.00 | 1.00 | 0.81 | 0.60 | 1.00 | 1.00 | 0.83 | 0.62 | 1.00 | 1.00 | 0.85 | 0.64 | 1.00 | 1.00 | 0.89 | 0.66 | 1.00 | 1.00 | 0.89 | 0.67 |
| | | ΔT | 24 | 23 | 20 | 16 | 23 | 24 | 21 | 16 | 23 | 23 | 21 | 17 | 22 | 23 | 21 | 17 | 21 | 22 | 21 | 16 | 20 | 20 | 19 | 15 |
| | | kW | 1.58 | 1.62 | 1.67 | 1.73 | 1.71 | 1.75 | 1.81 | 1.87 | 1.82 | 1.86 | 1.93 | 1.99 | 1.92 | 1.97 | 2.03 | 2.10 | 2.01 | 2.05 | 2.12 | 2.20 | 2.08 | 2.13 | 2.20 | 2.28 |
| | | Amps | 6.6 | 6.7 | 6.9 | 7.2 | 7.1 | 7.2 | 7.4 | 7.7 | 7.6 | 7.8 | 8.0 | 8.3 | 8.1 | 8.3 | 8.6 | 8.9 | 8.6 | 8.8 | 9.1 | 9.4 | 9.1 | 9.3 | 9.6 | 10.0 |
| | | HI PR | 237 | 255 | 269 | 281 | 266 | 286 | 302 | 315 | 302 | 325 | 343 | 358 | 344 | 370 | 391 | 408 | 387 | 416 | 440 | 459 | 428 | 460 | 486 | 507 |
| | | LO PR | 113 | 120 | 131 | 140 | 120 | 127 | 139 | 148 | 124 | 132 | 144 | 154 | 131 | 139 | 152 | 161 | 137 | 146 | 159 | 169 | 141 | 151 | 164 | 175 |
| | 850 | MBh | 24.2 | 24.8 | 26.4 | 28.3 | 23.7 | 24.2 | 25.8 | 27.6 | 23.1 | 23.6 | 25.2 | 27.0 | 22.5 | 23.0 | **24.6** | 26.3 | 21.4 | 21.9 | 23.4 | 25.0 | 19.8 | 20.3 | 21.6 | 23.1 |
| | | S/T | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 0.97 | 0.79 | 0.59 | 1.00 | 1.00 | **0.81** | 0.61 | 1.00 | 1.00 | 0.84 | 0.63 | 1.00 | 1.00 | 0.85 | 0.64 |
| | | ΔT | 25 | 24 | 21 | 17 | 26 | 25 | 21 | 17 | 25 | 25 | 22 | 17 | 24 | 25 | **22** | 17 | 23 | 24 | 21 | 17 | 21 | 22 | 20 | 16 |
| | | kW | 1.57 | 1.61 | 1.66 | 1.71 | 1.70 | 1.73 | 1.79 | 1.85 | 1.81 | 1.85 | 1.91 | 1.98 | 1.90 | 1.95 | **2.01** | 2.08 | 1.99 | 2.03 | 2.10 | 2.18 | 2.06 | 2.11 | 2.18 | 2.26 |
| | | Amps | 6.5 | 6.7 | 6.9 | 7.1 | 7.0 | 7.2 | 7.4 | 7.6 | 7.6 | 7.7 | 8.0 | 8.3 | 8.1 | 8.2 | **8.5** | 8.8 | 8.5 | 8.7 | 9.0 | 9.3 | 9.0 | 9.2 | 9.5 | 9.9 |
| | | HI PR | 234 | 252 | 266 | 278 | 263 | 283 | 299 | 312 | 299 | 322 | 340 | 354 | 341 | 367 | **387** | 404 | 383 | 412 | 435 | 454 | 423 | 456 | 481 | 502 |
| | | LO PR | 112 | 119 | 130 | 139 | 118 | 126 | 137 | 146 | 123 | 131 | 143 | 152 | 129 | 137 | **150** | 160 | 135 | 144 | 157 | 168 | 140 | 149 | 163 | 173 |
| | 745 | MBh | 22.4 | 22.8 | 24.4 | 26.1 | 21.8 | 22.3 | 23.8 | 25.5 | 21.3 | 21.8 | 23.3 | 24.9 | 20.8 | 21.3 | 22.7 | 24.3 | 19.8 | 20.2 | 21.6 | 23.1 | 18.3 | 18.7 | 20.0 | 21.4 |
| | | S/T | 0.94 | 0.88 | 0.72 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.93 | 0.76 | 0.57 | 1.03 | 0.96 | 0.78 | 0.59 | 1.07 | 1.00 | 0.81 | 0.61 | 1.08 | 1.01 | 0.82 | 0.61 |
| | | ΔT | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 18 | 26 | 25 | 22 | 17 | 24 | 23 | 20 | 16 |
| | | kW | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.92 | 1.86 | 1.90 | 1.96 | 2.03 | 1.94 | 1.98 | 2.05 | 2.12 | 2.01 | 2.05 | 2.12 | 2.20 |
| | | Amps | 6.3 | 6.5 | 6.7 | 6.9 | 6.8 | 7.0 | 7.2 | 7.4 | 7.4 | 7.5 | 7.8 | 8.0 | 7.8 | 8.0 | 8.3 | 8.6 | 8.3 | 8.5 | 8.8 | 9.1 | 8.8 | 9.0 | 9.3 | 9.6 |
| | | HI PR | 227 | 245 | 258 | 269 | 255 | 274 | 290 | 302 | 290 | 312 | 330 | 344 | 330 | 356 | 375 | 392 | 372 | 400 | 422 | 441 | 411 | 442 | 467 | 487 |
| | | LO PR | 109 | 116 | 126 | 134 | 115 | 122 | 133 | 142 | 119 | 127 | 139 | 148 | 125 | 133 | 146 | 155 | 131 | 140 | 153 | 163 | 136 | 145 | 158 | 168 |
| 85 | 955 | MBh | 25.4 | 25.9 | 27.1 | 28.9 | 24.8 | 25.3 | 26.5 | 28.2 | 24.2 | 24.7 | 25.8 | 27.6 | 23.6 | 24.1 | 25.2 | 26.9 | 22.4 | 22.9 | 24.0 | 25.6 | 20.8 | 21.2 | 22.2 | 23.7 |
| | | S/T | 1.00 | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 0.99 | 0.80 | 1.00 | 1.00 | 1.00 | 0.83 | 1.00 | 1.00 | 1.00 | 0.86 | 1.00 | 1.00 | 1.00 | 0.87 |
| | | ΔT | 24 | 25 | 24 | 21 | 24 | 24 | 25 | 21 | 23 | 24 | 25 | 21 | 23 | 23 | 24 | 21 | 22 | 22 | 23 | 21 | 20 | 20 | 21 | 20 |
| | | kW | 1.60 | 1.63 | 1.69 | 1.74 | 1.72 | 1.76 | 1.82 | 1.88 | 1.84 | 1.88 | 1.94 | 2.01 | 1.94 | 1.98 | 2.05 | 2.12 | 2.02 | 2.07 | 2.14 | 2.21 | 2.10 | 2.14 | 2.22 | 2.30 |
| | | Amps | 6.6 | 6.8 | 7.0 | 7.2 | 7.1 | 7.3 | 7.5 | 7.8 | 7.7 | 7.9 | 8.1 | 8.4 | 8.2 | 8.4 | 8.6 | 9.0 | 8.7 | 8.9 | 9.2 | 9.5 | 9.2 | 9.4 | 9.7 | 10.1 |
| | | HI PR | 239 | 257 | 272 | 283 | 268 | 289 | 305 | 318 | 305 | 328 | 347 | 362 | 347 | 374 | 395 | 412 | 391 | 421 | 444 | 463 | 432 | 465 | 491 | 512 |
| | | LO PR | 114 | 122 | 133 | 141 | 121 | 128 | 140 | 149 | 126 | 134 | 146 | 155 | 132 | 140 | 153 | 163 | 138 | 147 | 160 | 171 | 143 | 152 | 166 | 177 |
| | 850 | MBh | 24.6 | 25.1 | 26.3 | 28.1 | 24.1 | 24.5 | 25.7 | 27.4 | 23.5 | 24.0 | 25.1 | 26.8 | 22.9 | 23.4 | 24.5 | 26.1 | 21.8 | 22.2 | 23.3 | 24.8 | 20.2 | 20.6 | 21.5 | 23.0 |
| | | S/T | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.94 | 0.77 | 1.00 | 1.00 | 0.97 | 0.79 | 1.00 | 1.00 | 1.00 | 0.82 | 1.00 | 1.00 | 1.00 | 0.83 |
| | | ΔT | 27 | 27 | 25 | 22 | 26 | 27 | 26 | 22 | 25 | 26 | 26 | 22 | 25 | 25 | 26 | 22 | 24 | 24 | 25 | 22 | 22 | 22 | 23 | 21 |
| | | kW | 1.58 | 1.62 | 1.67 | 1.73 | 1.71 | 1.75 | 1.81 | 1.87 | 1.82 | 1.86 | 1.93 | 1.99 | 1.92 | 1.97 | 2.03 | 2.10 | 2.01 | 2.05 | 2.12 | 2.20 | 2.08 | 2.13 | 2.20 | 2.28 |
| | | Amps | 6.6 | 6.7 | 6.9 | 7.2 | 7.1 | 7.2 | 7.4 | 7.7 | 7.6 | 7.8 | 8.0 | 8.3 | 8.1 | 8.3 | 8.6 | 8.9 | 8.6 | 8.8 | 9.1 | 9.4 | 9.1 | 9.3 | 9.6 | 10.0 |
| | | HI PR | 237 | 255 | 269 | 281 | 266 | 286 | 302 | 315 | 302 | 325 | 343 | 358 | 344 | 370 | 391 | 408 | 387 | 416 | 440 | 459 | 428 | 460 | 486 | 507 |
| | | LO PR | 113 | 120 | 131 | 140 | 120 | 127 | 139 | 148 | 124 | 132 | 144 | 154 | 131 | 139 | 152 | 161 | 137 | 146 | 159 | 169 | 141 | 151 | 164 | 175 |
| | 745 | MBh | 22.8 | 23.2 | 24.3 | 25.9 | 22.2 | 22.7 | 23.7 | 25.3 | 21.7 | 22.1 | 23.2 | 24.7 | 21.2 | 21.6 | 22.6 | 24.1 | 20.1 | 20.5 | 21.5 | 22.9 | 18.6 | 19.0 | 19.9 | 21.2 |
| | | S/T | 0.98 | 0.95 | 0.86 | 0.69 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.94 | 0.76 | 1.00 | 1.00 | 0.97 | 0.79 | 1.00 | 1.00 | 0.98 | 0.80 |
| | | ΔT | 28 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 26 | 27 | 26 | 23 | 25 | 25 | 26 | 22 | 23 | 23 | 24 | 21 |
| | | kW | 1.54 | 1.58 | 1.63 | 1.68 | 1.67 | 1.70 | 1.76 | 1.82 | 1.78 | 1.82 | 1.88 | 1.94 | 1.87 | 1.91 | 1.98 | 2.05 | 1.95 | 2.00 | 2.07 | 2.14 | 2.02 | 2.07 | 2.14 | 2.22 |
| | | Amps | 6.4 | 6.5 | 6.7 | 7.0 | 6.9 | 7.0 | 7.3 | 7.5 | 7.4 | 7.6 | 7.8 | 8.1 | 7.9 | 8.1 | 8.3 | 8.6 | 8.4 | 8.6 | 8.9 | 9.2 | 8.9 | 9.1 | 9.4 | 9.7 |
| | | HI PR | 230 | 247 | 261 | 272 | 258 | 277 | 293 | 305 | 293 | 315 | 333 | 347 | 334 | 359 | 379 | 395 | 375 | 404 | 427 | 445 | 415 | 446 | 471 | 492 |
| | | LO PR | 110 | 117 | 127 | 136 | 116 | 123 | 135 | 143 | 121 | 128 | 140 | 149 | 127 | 135 | 147 | 157 | 133 | 141 | 154 | 164 | 137 | 146 | 159 | 170 |

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 = outdoor unit amps (comp.+fan)

| | | | 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 |
| 70 | 1170 | MBh | 28.0 | 29.0 | 31.8 | - | 27.3 | 28.3 | 31.0 | - | 26.7 | 27.6 | 30.3 | - | 26.0 | 27.0 | 29.6 | - | 24.7 | 25.6 | 28.1 | - | 22.9 | 23.7 | 26.0 | - |
| | | S/T | 0.82 | 0.69 | 0.48 | - | 0.85 | 0.71 | 0.49 | - | 0.88 | 0.73 | 0.51 | - | 0.90 | 0.76 | 0.52 | - | 0.94 | 0.78 | 0.54 | - | 0.95 | 0.79 | 0.55 | - |
| | | ΔT | 18 | 16 | 12 | - | 18 | 16 | 12 | - | 18 | 16 | 12 | - | 18 | 16 | 12 | - | 18 | 16 | 12 | - | 17 | 15 | 11 | - |
| | | kW | 1.87 | 1.90 | 1.96 | - | 2.01 | 2.05 | 2.11 | - | 2.13 | 2.18 | 2.25 | - | 2.24 | 2.29 | 2.37 | - | 2.34 | 2.39 | 2.47 | - | 2.42 | 2.47 | 2.55 | - |
| | | Amps | 8.2 | 8.4 | 8.6 | - | 8.8 | 8.9 | 9.2 | - | 9.4 | 9.6 | 9.9 | - | 10.0 | 10.2 | 10.5 | - | 10.5 | 10.7 | 11.0 | - | 11.0 | 11.3 | 11.6 | - |
| | | HI PR | 225 | 242 | 256 | - | 253 | 272 | 287 | - | 287 | 309 | 326 | - | 327 | 352 | 372 | - | 368 | 396 | 418 | - | 407 | 438 | 462 | - |
| | | LO PR | 111 | 118 | 129 | - | 117 | 124 | 136 | - | 122 | 129 | 141 | - | 128 | 136 | 148 | - | 134 | 142 | 155 | - | 138 | 147 | 161 | - |
| | 1040 | MBh | 27.2 | 28.2 | 30.8 | - | 26.5 | 27.5 | 30.1 | - | 25.9 | 26.8 | 29.4 | - | 25.3 | 26.2 | 28.7 | - | 24.0 | 24.9 | 27.3 | - | 22.2 | 23.0 | 25.2 | - |
| | | S/T | 0.79 | 0.66 | 0.45 | - | 0.81 | 0.68 | 0.47 | - | 0.84 | 0.70 | 0.48 | - | 0.86 | 0.72 | 0.50 | - | 0.89 | 0.75 | 0.52 | - | 0.90 | 0.75 | 0.52 | - |
| | | ΔT | 19 | 16 | 12 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 16 | 12 | - | 18 | 15 | 12 | - |
| | | kW | 1.85 | 1.89 | 1.95 | - | 1.99 | 2.03 | 2.10 | - | 2.12 | 2.16 | 2.23 | - | 2.22 | 2.27 | 2.35 | - | 2.32 | 2.37 | 2.45 | - | 2.40 | 2.45 | 2.53 | - |
| | | Amps | 8.2 | 8.3 | 8.5 | - | 8.7 | 8.9 | 9.1 | - | 9.3 | 9.5 | 9.8 | - | 9.9 | 10.1 | 10.4 | - | 10.4 | 10.6 | 10.9 | - | 11.0 | 11.2 | 11.5 | - |
| | | HI PR | 223 | 240 | 253 | - | 250 | 269 | 284 | - | 284 | 306 | 323 | - | 324 | 349 | 368 | - | 365 | 392 | 414 | - | 403 | 433 | 458 | - |
| | | LO PR | 110 | 117 | 127 | - | 116 | 123 | 135 | - | 120 | 128 | 140 | - | 126 | 135 | 147 | - | 133 | 141 | 154 | - | 137 | 146 | 159 | - |
| | 910 | MBh | 25.1 | 26.0 | 28.5 | - | 24.5 | 25.4 | 27.8 | - | 23.9 | 24.8 | 27.1 | - | 23.3 | 24.2 | 26.5 | - | 22.2 | 23.0 | 25.2 | - | 20.5 | 21.3 | 23.3 | - |
| | | S/T | 0.76 | 0.63 | 0.44 | - | 0.79 | 0.66 | 0.45 | - | 0.81 | 0.67 | 0.47 | - | 0.83 | 0.69 | 0.48 | - | 0.86 | 0.72 | 0.50 | - | 0.87 | 0.73 | 0.50 | - |
| | | ΔT | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 20 | 17 | 13 | - | 19 | 17 | 13 | - | 18 | 16 | 12 | - |
| | | kW | 1.81 | 1.85 | 1.90 | - | 1.94 | 1.98 | 2.05 | - | 2.06 | 2.11 | 2.18 | - | 2.17 | 2.22 | 2.29 | - | 2.26 | 2.31 | 2.38 | - | 2.34 | 2.39 | 2.47 | - |
| | | Amps | 8.0 | 8.1 | 8.4 | - | 8.5 | 8.7 | 8.9 | - | 9.1 | 9.3 | 9.6 | - | 9.6 | 9.8 | 10.1 | - | 10.2 | 10.4 | 10.7 | - | 10.7 | 10.9 | 11.2 | - |
| | | HI PR | 216 | 233 | 246 | - | 243 | 261 | 276 | - | 276 | 297 | 314 | - | 314 | 338 | 357 | - | 354 | 380 | 402 | - | 391 | 420 | 444 | - |
| | | LO PR | 106 | 113 | 124 | - | 112 | 120 | 131 | - | 117 | 124 | 136 | - | 123 | 131 | 142 | - | 129 | 137 | 149 | - | 133 | 141 | 154 | - |
| 75 | 1170 | MBh | 28.4 | 29.3 | 31.7 | 34.0 | 27.8 | 28.6 | 31.0 | 33.2 | 27.1 | 27.9 | 30.2 | 32.4 | 26.5 | 27.2 | 29.5 | 31.7 | 25.1 | 25.9 | 28.0 | 30.1 | 23.3 | 24.0 | 26.0 | 27.9 |
| | | S/T | 0.94 | 0.84 | 0.63 | 0.41 | 0.97 | 0.87 | 0.66 | 0.42 | 1.00 | 0.89 | 0.67 | 0.43 | 1.00 | 0.92 | 0.70 | 0.45 | 1.00 | 0.95 | 0.72 | 0.46 | 1.00 | 0.96 | 0.73 | 0.47 |
| | | ΔT | 21 | 19 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 20 | 19 | 16 | 11 | 18 | 18 | 15 | 10 |
| | | kW | 1.88 | 1.92 | 1.98 | 2.04 | 2.02 | 2.07 | 2.13 | 2.20 | 2.15 | 2.20 | 2.27 | 2.34 | 2.26 | 2.31 | 2.39 | 2.47 | 2.36 | 2.41 | 2.49 | 2.57 | 2.44 | 2.49 | 2.57 | 2.66 |
| | | Amps | 8.3 | 8.4 | 8.7 | 8.9 | 8.8 | 9.0 | 9.3 | 9.6 | 9.5 | 9.7 | 9.9 | 10.3 | 10.0 | 10.2 | 10.5 | 10.9 | 10.6 | 10.8 | 11.1 | 11.5 | 11.1 | 11.4 | 11.7 | 12.1 |
| | | HI PR | 227 | 245 | 258 | 270 | 255 | 275 | 290 | 302 | 290 | 312 | 330 | 344 | 331 | 356 | 376 | 392 | 372 | 400 | 423 | 441 | 411 | 442 | 467 | 487 |
| | | LO PR | 112 | 119 | 130 | 138 | 118 | 126 | 137 | 146 | 123 | 131 | 143 | 152 | 129 | 137 | 150 | 160 | 135 | 144 | 157 | 167 | 140 | 149 | 162 | 173 |
| | 1040 | MBh | 27.6 | 28.4 | 30.8 | 33.0 | 27.0 | 27.8 | 30.1 | 32.3 | 26.3 | 27.1 | 29.3 | 31.5 | 25.7 | **26.5** | 28.6 | 30.7 | 24.4 | 25.1 | 27.2 | 29.2 | 22.6 | 23.3 | 25.2 | 27.0 |
| | | S/T | 0.89 | 0.80 | 0.60 | 0.39 | 0.93 | 0.83 | 0.63 | 0.40 | 0.95 | 0.85 | 0.64 | 0.41 | 0.98 | **0.88** | 0.66 | 0.43 | 1.00 | 0.91 | 0.69 | 0.44 | 1.00 | 0.92 | 0.69 | 0.45 |
| | | ΔT | 22 | 20 | 16 | 11 | 22 | 20 | 17 | 12 | 22 | 20 | 17 | 12 | 22 | **20** | 17 | 12 | 22 | 20 | 17 | 11 | 20 | 19 | 15 | 11 |
| | | kW | 1.87 | 1.90 | 1.96 | 2.03 | 2.01 | 2.05 | 2.12 | 2.18 | 2.13 | 2.18 | 2.25 | 2.32 | 2.24 | **2.29** | 2.37 | 2.44 | 2.34 | 2.39 | 2.47 | 2.55 | 2.42 | 2.47 | 2.55 | 2.64 |
| | | Amps | 8.2 | 8.4 | 8.6 | 8.9 | 8.8 | 8.9 | 9.2 | 9.5 | 9.4 | 9.6 | 9.9 | 10.2 | 10.0 | **10.2** | 10.5 | 10.8 | 10.5 | 10.7 | 11.0 | 11.4 | 11.0 | 11.3 | 11.6 | 12.0 |
| | | HI PR | 225 | 242 | 256 | 267 | 253 | 272 | 287 | 299 | 287 | 309 | 327 | 341 | 327 | **352** | 372 | 388 | 368 | 396 | 418 | 436 | 407 | 438 | 462 | 482 |
| | | LO PR | 111 | 118 | 129 | 137 | 117 | 125 | 136 | 145 | 122 | 129 | 141 | 150 | 128 | **136** | 148 | 158 | 134 | 142 | 156 | 166 | 139 | 147 | 161 | 171 |
| | 910 | MBh | 25.5 | 26.2 | 28.4 | 30.5 | 24.9 | 25.6 | 27.8 | 29.8 | 24.3 | 25.0 | 27.1 | 29.1 | 23.7 | 24.4 | 26.4 | 28.4 | 22.5 | 23.2 | 25.1 | 26.9 | 20.9 | 21.5 | 23.3 | 25.0 |
| | | S/T | 0.86 | 0.77 | 0.58 | 0.38 | 0.89 | 0.80 | 0.60 | 0.39 | 0.92 | 0.82 | 0.62 | 0.40 | 0.94 | 0.85 | 0.64 | 0.41 | 0.98 | 0.88 | 0.66 | 0.43 | 0.99 | 0.88 | 0.67 | 0.43 |
| | | ΔT | 22 | 20 | 17 | 12 | 22 | 21 | 17 | 12 | 22 | 21 | 17 | 12 | 23 | 21 | 17 | 12 | 22 | 21 | 17 | 12 | 21 | 19 | 16 | 11 |
| | | kW | 1.82 | 1.86 | 1.92 | 1.98 | 1.96 | 2.00 | 2.06 | 2.13 | 2.08 | 2.13 | 2.19 | 2.26 | 2.19 | 2.24 | 2.31 | 2.38 | 2.28 | 2.33 | 2.40 | 2.48 | 2.36 | 2.41 | 2.49 | 2.57 |
| | | Amps | 8.0 | 8.2 | 8.4 | 8.7 | 8.6 | 8.7 | 9.0 | 9.3 | 9.2 | 9.4 | 9.6 | 9.9 | 9.7 | 9.9 | 10.2 | 10.5 | 10.3 | 10.5 | 10.8 | 11.1 | 10.8 | 11.0 | 11.3 | 11.7 |
| | | HI PR | 218 | 235 | 248 | 259 | 245 | 264 | 279 | 291 | 279 | 300 | 317 | 330 | 317 | 342 | 361 | 376 | 357 | 384 | 406 | 423 | 395 | 425 | 448 | 468 |
| | | LO PR | 107 | 114 | 125 | 133 | 114 | 121 | 132 | 140 | 118 | 126 | 137 | 146 | 124 | 132 | 144 | 153 | 130 | 138 | 151 | 161 | 134 | 143 | 156 | 166 |

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

| | | | 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 | 1170 | MBh | 29.0 | 29.6 | 31.6 | 33.8 | 28.3 | 28.9 | 30.9 | 33.0 | 27.6 | 28.2 | 30.1 | 32.2 | 26.9 | 27.5 | 29.4 | 31.4 | 25.6 | 26.1 | 27.9 | 29.9 | 23.7 | 24.2 | 25.9 | 27.7 |
| | | S/T | 1.00 | 0.96 | 0.78 | 0.59 | 1.00 | 1.00 | 0.81 | 0.61 | 1.00 | 1.00 | 0.83 | 0.62 | 1.00 | 1.00 | 0.86 | 0.64 | 1.00 | 1.00 | 0.89 | 0.67 | 1.00 | 1.00 | 0.90 | 0.67 |
| | | ΔT | 23 | 22 | 19 | 16 | 22 | 23 | 20 | 16 | 22 | 22 | 20 | 16 | 21 | 22 | 20 | 16 | 20 | 21 | 20 | 16 | 19 | 19 | 18 | 15 |
| | | kW | 1.90 | 1.94 | 2.00 | 2.06 | 2.04 | 2.08 | 2.15 | 2.22 | 2.17 | 2.21 | 2.29 | 2.36 | 2.28 | 2.33 | 2.41 | 2.49 | 2.38 | 2.43 | 2.51 | 2.59 | 2.46 | 2.51 | 2.60 | 2.68 |
| | | Amps | 8.3 | 8.5 | 8.7 | 9.0 | 8.9 | 9.1 | 9.3 | 9.6 | 9.6 | 9.7 | 10.0 | 10.4 | 10.1 | 10.3 | 10.6 | 11.0 | 10.7 | 10.9 | 11.2 | 11.6 | 11.2 | 11.5 | 11.8 | 12.2 |
| | | HI PR | 230 | 247 | 261 | 272 | 258 | 277 | 293 | 306 | 293 | 316 | 333 | 347 | 334 | 359 | 379 | 396 | 376 | 404 | 427 | 445 | 415 | 447 | 472 | 492 |
| | | LO PR | 113 | 120 | 131 | 140 | 119 | 127 | 139 | 148 | 124 | 132 | 144 | 154 | 130 | 139 | 151 | 161 | 137 | 145 | 159 | 169 | 141 | 150 | 164 | 175 |
| | 1040 | MBh | 28.1 | 28.7 | 30.7 | 32.8 | 27.5 | 28.1 | 30.0 | 32.0 | 26.8 | 27.4 | 29.3 | 31.3 | 26.2 | 26.7 | **28.5** | 30.5 | 24.8 | 25.4 | 27.1 | 29.0 | 23.0 | 23.5 | 25.1 | 26.9 |
| | | S/T | 0.98 | 0.92 | 0.75 | 0.56 | 1.00 | 0.95 | 0.78 | 0.58 | 1.00 | 0.98 | 0.79 | 0.59 | 1.00 | 1.00 | **0.82** | 0.61 | 1.00 | 1.00 | 0.85 | 0.64 | 1.00 | 1.00 | 0.86 | 0.64 |
| | | ΔT | 24 | 23 | 20 | 16 | 24 | 24 | 21 | 16 | 24 | 24 | 21 | 16 | 23 | 24 | **21** | 17 | 22 | 22 | 20 | 16 | 20 | 21 | 19 | 15 |
| | | kW | 1.88 | 1.92 | 1.98 | 2.04 | 2.02 | 2.07 | 2.13 | 2.20 | 2.15 | 2.20 | 2.27 | 2.34 | 2.26 | 2.31 | **2.39** | 2.47 | 2.36 | 2.41 | 2.49 | 2.57 | 2.44 | 2.49 | 2.57 | 2.66 |
| | | Amps | 8.3 | 8.4 | 8.7 | 8.9 | 8.8 | 9.0 | 9.3 | 9.6 | 9.5 | 9.7 | 9.9 | 10.3 | 10.0 | 10.2 | **10.5** | 10.9 | 10.6 | 10.8 | 11.1 | 11.5 | 11.1 | 11.4 | 11.7 | 12.1 |
| | | HI PR | 227 | 245 | 258 | 270 | 255 | 275 | 290 | 303 | 290 | 312 | 330 | 344 | 331 | 356 | **376** | 392 | 372 | 400 | 423 | 441 | 411 | 442 | 467 | 487 |
| | | LO PR | 112 | 119 | 130 | 138 | 118 | 126 | 137 | 146 | 123 | 131 | 143 | 152 | 129 | 137 | **150** | 160 | 135 | 144 | 157 | 167 | 140 | 149 | 162 | 173 |
| | 910 | MBh | 25.9 | 26.5 | 28.3 | 30.3 | 25.3 | 25.9 | 27.7 | 29.6 | 24.7 | 25.3 | 27.0 | 28.9 | 24.1 | 24.7 | 26.4 | 28.2 | 22.9 | 23.4 | 25.0 | 26.8 | 21.2 | 21.7 | 23.2 | 24.8 |
| | | S/T | 0.94 | 0.89 | 0.72 | 0.54 | 0.98 | 0.92 | 0.75 | 0.56 | 1.00 | 0.94 | 0.77 | 0.57 | 1.04 | 0.97 | 0.79 | 0.59 | 1.08 | 1.01 | 0.82 | 0.61 | 1.00 | 1.02 | 0.83 | 0.62 |
| | | ΔT | 25 | 24 | 21 | 16 | 25 | 24 | 21 | 17 | 25 | 24 | 21 | 17 | 25 | 24 | 21 | 17 | 25 | 24 | 21 | 17 | 21 | 22 | 19 | 15 |
| | | kW | 1.84 | 1.87 | 1.93 | 1.99 | 1.98 | 2.02 | 2.08 | 2.15 | 2.10 | 2.14 | 2.21 | 2.28 | 2.21 | 2.25 | 2.33 | 2.40 | 2.30 | 2.35 | 2.42 | 2.51 | 2.38 | 2.43 | 2.51 | 2.59 |
| | | Amps | 8.1 | 8.3 | 8.5 | 8.7 | 8.6 | 8.8 | 9.1 | 9.3 | 9.3 | 9.4 | 9.7 | 10.0 | 9.8 | 10.0 | 10.3 | 10.6 | 10.3 | 10.6 | 10.9 | 11.2 | 10.9 | 11.1 | 11.4 | 11.8 |
| | | HI PR | 221 | 237 | 251 | 262 | 248 | 266 | 281 | 293 | 282 | 303 | 320 | 334 | 321 | 345 | 364 | 380 | 361 | 388 | 410 | 428 | 399 | 429 | 453 | 472 |
| | | LO PR | 109 | 115 | 126 | 134 | 115 | 122 | 133 | 142 | 119 | 127 | 138 | 147 | 125 | 133 | 145 | 155 | 131 | 140 | 152 | 162 | 136 | 144 | 158 | 168 |
| 85 | 1170 | MBh | 29.5 | 30.0 | 31.5 | 33.6 | 28.8 | 29.3 | 30.7 | 32.8 | 28.1 | 28.6 | 30.0 | 32.0 | 27.4 | 27.9 | 29.3 | 31.2 | 26.0 | 26.5 | 27.8 | 29.7 | 24.1 | 24.6 | 25.7 | 27.5 |
| | | S/T | 1.00 | 1.00 | 0.94 | 0.76 | 1.00 | 1.00 | 0.97 | 0.79 | 1.00 | 1.00 | 1.00 | 0.81 | 1.00 | 1.00 | 1.00 | 0.83 | 1.00 | 1.00 | 1.00 | 0.87 | 1.00 | 1.00 | 1.00 | 0.87 |
| | | ΔT | 23 | 24 | 23 | 20 | 23 | 23 | 23 | 20 | 22 | 23 | 23 | 20 | 22 | 22 | 23 | 20 | 20 | 21 | 22 | 20 | 19 | 19 | 20 | 19 |
| | | kW | 1.91 | 1.95 | 2.01 | 2.08 | 2.06 | 2.10 | 2.17 | 2.24 | 2.19 | 2.23 | 2.30 | 2.38 | 2.30 | 2.35 | 2.43 | 2.51 | 2.40 | 2.45 | 2.53 | 2.61 | 2.48 | 2.53 | 2.62 | 2.71 |
| | | Amps | 8.4 | 8.6 | 8.8 | 9.1 | 9.0 | 9.2 | 9.4 | 9.7 | 9.6 | 9.8 | 10.1 | 10.4 | 10.2 | 10.4 | 10.7 | 11.1 | 10.8 | 11.0 | 11.3 | 11.7 | 11.3 | 11.6 | 11.9 | 12.3 |
| | | HI PR | 232 | 250 | 264 | 275 | 260 | 280 | 296 | 309 | 296 | 319 | 336 | 351 | 337 | 363 | 383 | 400 | 379 | 408 | 431 | 450 | 419 | 451 | 476 | 497 |
| | | LO PR | 114 | 121 | 133 | 141 | 121 | 128 | 140 | 149 | 125 | 133 | 146 | 155 | 132 | 140 | 153 | 163 | 138 | 147 | 160 | 171 | 143 | 152 | 166 | 177 |
| | 1040 | MBh | 28.6 | 29.2 | 30.5 | 32.6 | 27.9 | 28.5 | 29.8 | 31.8 | 27.3 | 27.8 | 29.1 | 31.1 | 26.6 | 27.1 | 28.4 | 30.3 | 25.3 | 25.8 | 27.0 | 28.8 | 23.4 | 23.9 | 25.0 | 26.7 |
| | | S/T | 1.00 | 0.99 | 0.89 | 0.73 | 1.00 | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.95 | 0.77 | 1.00 | 1.00 | 0.98 | 0.80 | 1.00 | 1.00 | 1.00 | 0.83 | 1.00 | 1.00 | 1.00 | 0.83 |
| | | ΔT | 25 | 26 | 24 | 21 | 25 | 25 | 24 | 21 | 24 | 25 | 24 | 21 | 24 | 24 | 25 | 21 | 22 | 23 | 24 | 21 | 21 | 21 | 22 | 20 |
| | | kW | 1.90 | 1.94 | 2.00 | 2.06 | 2.04 | 2.08 | 2.15 | 2.22 | 2.17 | 2.21 | 2.29 | 2.36 | 2.28 | 2.33 | 2.41 | 2.49 | 2.38 | 2.43 | 2.51 | 2.59 | 2.46 | 2.51 | 2.60 | 2.68 |
| | | Amps | 8.3 | 8.5 | 8.7 | 9.0 | 8.9 | 9.1 | 9.3 | 9.6 | 9.6 | 9.7 | 10.0 | 10.4 | 10.1 | 10.3 | 10.6 | 11.0 | 10.7 | 10.9 | 11.2 | 11.6 | 11.2 | 11.5 | 11.8 | 12.2 |
| | | HI PR | 230 | 247 | 261 | 272 | 258 | 277 | 293 | 306 | 293 | 316 | 333 | 347 | 334 | 359 | 379 | 396 | 376 | 404 | 427 | 445 | 415 | 447 | 472 | 492 |
| | | LO PR | 113 | 120 | 131 | 140 | 119 | 127 | 139 | 148 | 124 | 132 | 144 | 154 | 130 | 139 | 151 | 161 | 137 | 145 | 159 | 169 | 141 | 150 | 164 | 175 |
| | 910 | MBh | 26.4 | 26.9 | 28.2 | 30.1 | 25.8 | 26.3 | 27.5 | 29.4 | 25.2 | 25.7 | 26.9 | 28.7 | 24.6 | 25.0 | 26.2 | 28.0 | 23.3 | 23.8 | 24.9 | 26.6 | 21.6 | 22.0 | 23.1 | 24.6 |
| | | S/T | 0.99 | 0.96 | 0.86 | 0.70 | 1.00 | 0.99 | 0.89 | 0.73 | 1.00 | 1.00 | 0.92 | 0.74 | 1.00 | 1.00 | 0.95 | 0.77 | 1.00 | 1.00 | 0.98 | 0.80 | 1.00 | 1.00 | 0.99 | 0.80 |
| | | ΔT | 26 | 26 | 25 | 21 | 26 | 26 | 25 | 22 | 25 | 26 | 25 | 22 | 25 | 25 | 25 | 22 | 24 | 24 | 25 | 21 | 22 | 22 | 23 | 20 |
| | | kW | 1.85 | 1.89 | 1.95 | 2.01 | 1.99 | 2.03 | 2.10 | 2.17 | 2.11 | 2.16 | 2.23 | 2.30 | 2.22 | 2.27 | 2.35 | 2.42 | 2.32 | 2.37 | 2.45 | 2.53 | 2.40 | 2.45 | 2.53 | 2.62 |
| | | Amps | 8.2 | 8.3 | 8.5 | 8.8 | 8.7 | 8.9 | 9.1 | 9.4 | 9.3 | 9.5 | 9.8 | 10.1 | 9.9 | 10.1 | 10.4 | 10.7 | 10.4 | 10.6 | 10.9 | 11.3 | 10.9 | 11.2 | 11.5 | 11.9 |
| | | HI PR | 223 | 240 | 253 | 264 | 250 | 269 | 284 | 296 | 284 | 306 | 323 | 337 | 324 | 349 | 368 | 384 | 364 | 392 | 414 | 432 | 403 | 433 | 458 | 477 |
| | | LO PR | 110 | 117 | 127 | 136 | 116 | 123 | 135 | 143 | 120 | 128 | 140 | 149 | 126 | 135 | 147 | 156 | 133 | 141 | 154 | 164 | 137 | 146 | 159 | 170 |

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 = outdoor unit amps (comp.+fan)

| | | | 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 |
| 70 | 1170 | MBh | 34.8 | 36.0 | 39.5 | - | 34.0 | 35.2 | 38.6 | - | 33.1 | 34.4 | 37.6 | - | 32.3 | 33.5 | 36.7 | - | 30.7 | 31.8 | 34.9 | - | 28.5 | 29.5 | 32.3 | - |
| | | S/T | 0.73 | 0.61 | 0.42 | - | 0.75 | 0.63 | 0.44 | - | 0.77 | 0.64 | 0.45 | - | 0.80 | 0.66 | 0.46 | - | 0.83 | 0.69 | 0.48 | - | 0.83 | 0.70 | 0.48 | - |
| | | ΔT | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 18 | 13 | - | 20 | 17 | 13 | - | 19 | 16 | 12 | - |
| | | kW | 2.32 | 2.37 | 2.45 | - | 2.51 | 2.56 | 2.65 | - | 2.67 | 2.73 | 2.82 | - | 2.81 | 2.88 | 2.97 | - | 2.93 | 3.00 | 3.10 | - | 3.04 | 3.11 | 3.21 | - |
| | | Amps | 10.3 | 10.5 | 10.8 | - | 11.0 | 11.3 | 11.6 | - | 11.9 | 12.1 | 12.5 | - | 12.6 | 12.8 | 13.2 | - | 13.3 | 13.6 | 14.0 | - | 14.0 | 14.3 | 14.7 | - |
| | | HI PR | 240 | 258 | 272 | - | 269 | 289 | 305 | - | 306 | 329 | 347 | - | 348 | 375 | 396 | - | 392 | 422 | 445 | - | 433 | 466 | 492 | - |
| | | LO PR | 108 | 115 | 126 | - | 115 | 122 | 133 | - | 119 | 127 | 138 | - | 125 | 133 | 145 | - | 131 | 139 | 152 | - | 136 | 144 | 157 | - |
| | 1040 | MBh | 33.8 | 35.0 | 38.3 | - | 33.0 | 34.2 | 37.4 | - | 32.2 | 33.4 | 36.5 | - | 31.4 | 32.5 | 35.7 | - | 29.8 | 30.9 | 33.9 | - | 27.6 | 28.6 | 31.4 | - |
| | | S/T | 0.69 | 0.58 | 0.40 | - | 0.72 | 0.60 | 0.41 | - | 0.74 | 0.61 | 0.43 | - | 0.76 | 0.63 | 0.44 | - | 0.79 | 0.66 | 0.46 | - | 0.79 | 0.66 | 0.46 | - |
| | | ΔT | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 19 | 17 | 13 | - |
| | | kW | 2.30 | 2.35 | 2.43 | - | 2.49 | 2.54 | 2.62 | - | 2.65 | 2.71 | 2.80 | - | 2.79 | 2.85 | 2.95 | - | 2.91 | 2.97 | 3.08 | - | 3.01 | 3.08 | 3.19 | - |
| | | Amps | 10.2 | 10.4 | 10.7 | - | 10.9 | 11.2 | 11.5 | - | 11.8 | 12.0 | 12.4 | - | 12.5 | 12.7 | 13.1 | - | 13.2 | 13.5 | 13.9 | - | 13.9 | 14.2 | 14.6 | - |
| | | HI PR | 237 | 255 | 270 | - | 266 | 286 | 302 | - | 303 | 326 | 344 | - | 345 | 371 | 392 | - | 388 | 417 | 441 | - | 429 | 461 | 487 | - |
| | | LO PR | 107 | 114 | 125 | - | 113 | 121 | 132 | - | 118 | 125 | 137 | - | 124 | 132 | 144 | - | 130 | 138 | 151 | - | 134 | 143 | 156 | - |
| | 910 | MBh | 31.2 | 32.3 | 35.4 | - | 30.4 | 31.5 | 34.6 | - | 29.7 | 30.8 | 33.7 | - | 29.0 | 30.0 | 32.9 | - | 27.5 | 28.5 | 31.3 | - | 25.5 | 26.4 | 29.0 | - |
| | | S/T | 0.67 | 0.56 | 0.39 | - | 0.69 | 0.58 | 0.40 | - | 0.71 | 0.59 | 0.41 | - | 0.73 | 0.61 | 0.42 | - | 0.76 | 0.63 | 0.44 | - | 0.77 | 0.64 | 0.44 | - |
| | | ΔT | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 19 | 14 | - | 21 | 18 | 14 | - | 20 | 17 | 13 | - |
| | | kW | 2.25 | 2.30 | 2.37 | - | 2.42 | 2.48 | 2.56 | - | 2.58 | 2.64 | 2.72 | - | 2.72 | 2.78 | 2.87 | - | 2.83 | 2.90 | 3.00 | - | 2.93 | 3.00 | 3.10 | - |
| | | Amps | 10.0 | 10.2 | 10.5 | - | 10.7 | 10.9 | 11.2 | - | 11.5 | 11.7 | 12.1 | - | 12.2 | 12.4 | 12.8 | - | 12.9 | 13.1 | 13.5 | - | 13.5 | 13.8 | 14.3 | - |
| | | HI PR | 230 | 248 | 261 | - | 258 | 278 | 293 | - | 294 | 316 | 334 | - | 334 | 360 | 380 | - | 376 | 405 | 428 | - | 416 | 447 | 472 | - |
| | | LO PR | 104 | 111 | 121 | - | 110 | 117 | 128 | - | 114 | 122 | 133 | - | 120 | 128 | 139 | - | 126 | 134 | 146 | - | 130 | 138 | 151 | - |
| 75 | 1170 | MBh | 35.4 | 36.4 | 39.4 | 42.3 | 34.5 | 35.6 | 38.5 | 41.3 | 33.7 | 34.7 | 37.6 | 40.3 | 32.9 | 33.9 | 36.7 | 39.3 | 31.2 | 32.2 | 34.8 | 37.4 | 28.9 | 29.8 | 32.3 | 34.6 |
| | | S/T | 0.82 | 0.74 | 0.56 | 0.36 | 0.85 | 0.76 | 0.58 | 0.37 | 0.88 | 0.78 | 0.59 | 0.38 | 0.90 | 0.81 | 0.61 | 0.39 | 0.94 | 0.84 | 0.64 | 0.41 | 0.95 | 0.85 | 0.64 | 0.41 |
| | | ΔT | 23 | 21 | 17 | 12 | 23 | 21 | 18 | 12 | 23 | 21 | 18 | 12 | 23 | 22 | 18 | 12 | 23 | 21 | 17 | 12 | 22 | 20 | 16 | 11 |
| | | kW | 2.34 | 2.39 | 2.47 | 2.55 | 2.53 | 2.58 | 2.67 | 2.76 | 2.69 | 2.75 | 2.84 | 2.94 | 2.84 | 2.90 | 3.00 | 3.10 | 2.96 | 3.03 | 3.13 | 3.24 | 3.06 | 3.14 | 3.24 | 3.35 |
| | | Amps | 10.4 | 10.6 | 10.9 | 11.3 | 11.1 | 11.4 | 11.7 | 12.1 | 12.0 | 12.2 | 12.6 | 13.0 | 12.7 | 13.0 | 13.3 | 13.8 | 13.4 | 13.7 | 14.1 | 14.6 | 14.1 | 14.4 | 14.9 | 15.4 |
| | | HI PR | 242 | 260 | 275 | 287 | 272 | 292 | 309 | 322 | 309 | 332 | 351 | 366 | 352 | 379 | 400 | 417 | 396 | 426 | 450 | 469 | 437 | 471 | 497 | 518 |
| | | LO PR | 109 | 116 | 127 | 135 | 116 | 123 | 134 | 143 | 120 | 128 | 140 | 149 | 126 | 134 | 147 | 156 | 132 | 141 | 154 | 164 | 137 | 146 | 159 | 169 |
| | 1040 | MBh | 34.3 | 35.3 | 38.3 | 41.1 | 33.5 | 34.5 | 37.4 | 40.1 | 32.7 | 33.7 | 36.5 | 39.1 | 31.9 | **32.9** | 35.6 | 38.2 | 30.3 | 31.2 | 33.8 | 36.3 | 28.1 | 28.9 | 31.3 | 33.6 |
| | | S/T | 0.79 | 0.70 | 0.53 | 0.34 | 0.82 | 0.73 | 0.55 | 0.36 | 0.84 | 0.75 | 0.57 | 0.36 | 0.86 | **0.77** | 0.58 | 0.38 | 0.90 | 0.80 | 0.61 | 0.39 | 0.90 | 0.81 | 0.61 | 0.39 |
| | | ΔT | 24 | 22 | 18 | 12 | 24 | 22 | 18 | 13 | 24 | 22 | 18 | 13 | 24 | **22** | 18 | 13 | 24 | 22 | 18 | 13 | 22 | 21 | 17 | 12 |
| | | kW | 2.32 | 2.37 | 2.45 | 2.53 | 2.51 | 2.56 | 2.65 | 2.74 | 2.67 | 2.73 | 2.82 | 2.92 | 2.81 | **2.88** | 2.97 | 3.07 | 2.93 | 3.00 | 3.10 | 3.21 | 3.04 | 3.11 | 3.21 | 3.33 |
| | | Amps | 10.3 | 10.5 | 10.8 | 11.2 | 11.0 | 11.3 | 11.6 | 12.0 | 11.9 | 12.1 | 12.5 | 12.9 | 12.6 | **12.9** | 13.2 | 13.7 | 13.3 | 13.6 | 14.0 | 14.5 | 14.0 | 14.3 | 14.7 | 15.3 |
| | | HI PR | 240 | 258 | 272 | 284 | 269 | 289 | 306 | 319 | 306 | 329 | 348 | 362 | 348 | **375** | 396 | 413 | 392 | 422 | 445 | 464 | 433 | 466 | 492 | 513 |
| | | LO PR | 108 | 115 | 126 | 134 | 115 | 122 | 133 | 142 | 119 | 127 | 138 | 147 | 125 | **133** | 145 | 155 | 131 | 139 | 152 | 162 | 136 | 144 | 157 | 168 |
| | 910 | MBh | 31.7 | 32.6 | 35.3 | 37.9 | 30.9 | 31.9 | 34.5 | 37.0 | 30.2 | 31.1 | 33.7 | 36.1 | 29.5 | 30.3 | 32.8 | 35.3 | 28.0 | 28.8 | 31.2 | 33.5 | 25.9 | 26.7 | 28.9 | 31.0 |
| | | S/T | 0.76 | 0.68 | 0.51 | 0.33 | 0.79 | 0.70 | 0.53 | 0.34 | 0.81 | 0.72 | 0.55 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.86 | 0.77 | 0.58 | 0.38 | 0.87 | 0.78 | 0.59 | 0.38 |
| | | ΔT | 24 | 22 | 18 | 13 | 25 | 23 | 19 | 13 | 25 | 23 | 19 | 13 | 25 | 23 | 19 | 13 | 24 | 22 | 18 | 13 | 23 | 21 | 17 | 12 |
| | | kW | 2.27 | 2.32 | 2.39 | 2.47 | 2.44 | 2.50 | 2.58 | 2.67 | 2.60 | 2.66 | 2.75 | 2.84 | 2.74 | 2.80 | 2.90 | 2.99 | 2.86 | 2.92 | 3.02 | 3.13 | 2.96 | 3.03 | 3.13 | 3.24 |
| | | Amps | 10.1 | 10.3 | 10.6 | 10.9 | 10.8 | 11.0 | 11.3 | 11.7 | 11.6 | 11.8 | 12.2 | 12.6 | 12.3 | 12.5 | 12.9 | 13.3 | 13.0 | 13.2 | 13.6 | 14.1 | 13.7 | 14.0 | 14.4 | 14.9 |
| | | HI PR | 232 | 250 | 264 | 276 | 261 | 281 | 296 | 309 | 297 | 319 | 337 | 352 | 338 | 364 | 384 | 400 | 380 | 409 | 432 | 450 | 420 | 452 | 477 | 498 |
| | | LO PR | 105 | 112 | 122 | 130 | 111 | 118 | 129 | 137 | 115 | 123 | 134 | 143 | 121 | 129 | 141 | 150 | 127 | 135 | 148 | 157 | 131 | 140 | 153 | 163 |

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

| | | | 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 | 1170 | MBh | 36.0 | 36.8 | 39.3 | 42.0 | 35.1 | 35.9 | 38.4 | 41.0 | 34.3 | 35.1 | 37.5 | 40.0 | 33.5 | 34.2 | 36.5 | 39.1 | 31.8 | 32.5 | 34.7 | 37.1 | 29.5 | 30.1 | 32.2 | 34.4 |
| | | S/T | 0.90 | 0.85 | 0.69 | 0.52 | 0.94 | 0.88 | 0.72 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 1.00 | 0.93 | 0.76 | 0.57 | 1.00 | 0.97 | 0.79 | 0.59 | 1.00 | 1.00 | 0.79 | 0.59 |
| | | ΔT | 26 | 25 | 21 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 17 | 25 | 25 | 21 | 17 | 23 | 24 | 20 | 16 |
| | | kW | 2.36 | 2.41 | 2.49 | 2.57 | 2.55 | 2.61 | 2.69 | 2.78 | 2.71 | 2.78 | 2.87 | 2.97 | 2.86 | 2.93 | 3.02 | 3.13 | 2.98 | 3.05 | 3.16 | 3.27 | 3.09 | 3.16 | 3.27 | 3.38 |
| | | Amps | 10.5 | 10.7 | 11.0 | 11.4 | 11.2 | 11.4 | 11.8 | 12.2 | 12.1 | 12.3 | 12.7 | 13.1 | 12.8 | 13.1 | 13.5 | 13.9 | 13.5 | 13.8 | 14.2 | 14.7 | 14.2 | 14.6 | 15.0 | 15.5 |
| | | HI PR | 244 | 263 | 278 | 290 | 274 | 295 | 312 | 325 | 312 | 336 | 355 | 370 | 355 | 382 | 404 | 421 | 400 | 430 | 454 | 474 | 442 | 475 | 502 | 524 |
| | | LO PR | 111 | 118 | 128 | 137 | 117 | 124 | 136 | 145 | 121 | 129 | 141 | 150 | 128 | 136 | 148 | 158 | 134 | 142 | 155 | 165 | 138 | 147 | 161 | 171 |
| | 1040 | MBh | 34.9 | 35.7 | 38.1 | 40.8 | 34.1 | 34.9 | 37.3 | 39.8 | 33.3 | 34.0 | 36.4 | 38.9 | 32.5 | 33.2 | **35.5** | 37.9 | 30.9 | 31.5 | 33.7 | 36.0 | 28.6 | 29.2 | 31.2 | 33.4 |
| | | S/T | 0.86 | 0.81 | 0.66 | 0.49 | 0.89 | 0.84 | 0.68 | 0.51 | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | **0.72** | 0.54 | 0.98 | 0.92 | 0.75 | 0.56 | 0.99 | 0.93 | 0.76 | 0.57 |
| | | ΔT | 27 | 26 | 22 | 18 | 27 | 26 | 22 | 18 | 27 | 26 | 23 | 18 | 27 | 26 | **23** | 18 | 27 | 26 | 22 | 18 | 25 | 24 | 21 | 17 |
| | | kW | 2.34 | 2.39 | 2.47 | 2.55 | 2.53 | 2.58 | 2.67 | 2.76 | 2.69 | 2.75 | 2.84 | 2.94 | 2.84 | 2.90 | **3.00** | 3.10 | 2.96 | 3.03 | 3.13 | 3.24 | 3.07 | 3.14 | 3.24 | 3.36 |
| | | Amps | 10.4 | 10.6 | 10.9 | 11.3 | 11.1 | 11.4 | 11.7 | 12.1 | 12.0 | 12.2 | 12.6 | 13.0 | 12.7 | 13.0 | **13.3** | 13.8 | 13.4 | 13.7 | 14.1 | 14.6 | 14.1 | 14.4 | 14.9 | 15.4 |
| | | HI PR | 242 | 260 | 275 | 287 | 272 | 292 | 309 | 322 | 309 | 332 | 351 | 366 | 352 | 379 | **400** | 417 | 396 | 426 | 450 | 469 | 437 | 471 | 497 | 518 |
| | | LO PR | 110 | 117 | 127 | 135 | 116 | 123 | 134 | 143 | 120 | 128 | 140 | 149 | 126 | 134 | **147** | 156 | 132 | 141 | 154 | 164 | 137 | 146 | 159 | 169 |
| | 910 | MBh | 32.2 | 33.0 | 35.2 | 37.6 | 31.5 | 32.2 | 34.4 | 36.8 | 30.7 | 31.4 | 33.6 | 35.9 | 30.0 | 30.7 | 32.7 | 35.0 | 28.5 | 29.1 | 31.1 | 33.3 | 26.4 | 27.0 | 28.8 | 30.8 |
| | | S/T | 0.83 | 0.78 | 0.64 | 0.47 | 0.86 | 0.81 | 0.66 | 0.49 | 0.88 | 0.83 | 0.67 | 0.50 | 0.91 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.72 | 0.54 | 0.96 | 0.90 | 0.73 | 0.54 |
| | | ΔT | 27 | 26 | 23 | 18 | 27 | 26 | 23 | 18 | 27 | 26 | 23 | 18 | 28 | 27 | 23 | 18 | 27 | 26 | 23 | 18 | 25 | 24 | 21 | 17 |
| | | kW | 2.28 | 2.33 | 2.41 | 2.49 | 2.46 | 2.52 | 2.60 | 2.69 | 2.62 | 2.68 | 2.77 | 2.87 | 2.76 | 2.83 | 2.92 | 3.02 | 2.88 | 2.95 | 3.05 | 3.15 | 2.99 | 3.05 | 3.16 | 3.27 |
| | | Amps | 10.2 | 10.4 | 10.7 | 11.0 | 10.9 | 11.1 | 11.4 | 11.8 | 11.7 | 11.9 | 12.3 | 12.7 | 12.4 | 12.6 | 13.0 | 13.5 | 13.1 | 13.4 | 13.8 | 14.2 | 13.8 | 14.1 | 14.5 | 15.0 |
| | | HI PR | 235 | 253 | 267 | 278 | 263 | 284 | 299 | 312 | 300 | 322 | 340 | 355 | 341 | 367 | 388 | 404 | 384 | 413 | 436 | 455 | 424 | 456 | 482 | 503 |
| | | LO PR | 106 | 113 | 123 | 131 | 112 | 119 | 130 | 139 | 117 | 124 | 135 | 144 | 123 | 130 | 142 | 152 | 128 | 137 | 149 | 159 | 133 | 141 | 154 | 164 |
| 85 | 1170 | MBh | 36.6 | 37.3 | 39.1 | 41.7 | 35.8 | 36.5 | 38.2 | 40.7 | 34.9 | 35.6 | 37.3 | 39.8 | 34.1 | 34.7 | 36.4 | 38.8 | 32.4 | 33.0 | 34.5 | 36.9 | 30.0 | 30.6 | 32.0 | 34.1 |
| | | S/T | 0.95 | 0.92 | 0.83 | 0.67 | 0.98 | 0.95 | 0.86 | 0.69 | 1.00 | 0.97 | 0.88 | 0.71 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.94 | 0.76 | 1.00 | 1.00 | 0.95 | 0.77 |
| | | ΔT | 27 | 27 | 25 | 22 | 28 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 25 | 26 | 26 | 22 | 24 | 24 | 24 | 21 |
| | | kW | 2.38 | 2.43 | 2.51 | 2.60 | 2.57 | 2.63 | 2.71 | 2.81 | 2.74 | 2.80 | 2.89 | 2.99 | 2.88 | 2.95 | 3.05 | 3.15 | 3.01 | 3.08 | 3.18 | 3.29 | 3.12 | 3.19 | 3.30 | 3.41 |
| | | Amps | 10.6 | 10.8 | 11.1 | 11.4 | 11.3 | 11.5 | 11.9 | 12.3 | 12.2 | 12.4 | 12.8 | 13.2 | 12.9 | 13.2 | 13.6 | 14.0 | 13.6 | 13.9 | 14.3 | 14.8 | 14.4 | 14.7 | 15.1 | 15.6 |
| | | HI PR | 247 | 266 | 281 | 293 | 277 | 298 | 315 | 328 | 315 | 339 | 358 | 373 | 359 | 386 | 408 | 425 | 404 | 434 | 459 | 479 | 446 | 480 | 507 | 529 |
| | | LO PR | 112 | 119 | 130 | 138 | 118 | 126 | 137 | 146 | 123 | 130 | 142 | 152 | 129 | 137 | 150 | 159 | 135 | 144 | 157 | 167 | 140 | 149 | 162 | 173 |
| | 1040 | MBh | 35.5 | 36.2 | 37.9 | 40.5 | 34.7 | 35.4 | 37.1 | 39.5 | 33.9 | 34.5 | 36.2 | 38.6 | 33.1 | 33.7 | 35.3 | 37.7 | 31.4 | 32.0 | 33.5 | 35.8 | 29.1 | 29.7 | 31.1 | 33.1 |
| | | S/T | 0.90 | 0.87 | 0.79 | 0.64 | 0.94 | 0.90 | 0.82 | 0.66 | 0.96 | 0.93 | 0.84 | 0.68 | 0.99 | 0.96 | 0.86 | 0.70 | 1.00 | 0.99 | 0.90 | 0.73 | 1.00 | 1.00 | 0.90 | 0.73 |
| | | ΔT | 28 | 28 | 26 | 23 | 29 | 28 | 27 | 23 | 29 | 28 | 27 | 23 | 29 | 29 | 27 | 23 | 28 | 28 | 27 | 23 | 26 | 26 | 25 | 21 |
| | | kW | 2.36 | 2.41 | 2.49 | 2.57 | 2.55 | 2.61 | 2.69 | 2.78 | 2.71 | 2.78 | 2.87 | 2.97 | 2.86 | 2.93 | 3.02 | 3.13 | 2.98 | 3.05 | 3.16 | 3.27 | 3.09 | 3.16 | 3.27 | 3.38 |
| | | Amps | 10.5 | 10.7 | 11.0 | 11.4 | 11.2 | 11.4 | 11.8 | 12.2 | 12.1 | 12.3 | 12.7 | 13.1 | 12.8 | 13.1 | 13.5 | 13.9 | 13.5 | 13.8 | 14.2 | 14.7 | 14.2 | 14.6 | 15.0 | 15.5 |
| | | HI PR | 244 | 263 | 278 | 290 | 274 | 295 | 312 | 325 | 312 | 336 | 355 | 370 | 355 | 382 | 404 | 421 | 400 | 430 | 454 | 474 | 442 | 475 | 502 | 524 |
| | | LO PR | 111 | 118 | 128 | 137 | 117 | 124 | 136 | 145 | 121 | 129 | 141 | 150 | 128 | 136 | 148 | 158 | 134 | 142 | 155 | 165 | 138 | 147 | 161 | 171 |
| | 910 | MBh | 32.8 | 33.4 | 35.0 | 37.4 | 32.0 | 32.7 | 34.2 | 36.5 | 31.3 | 31.9 | 33.4 | 35.6 | 30.5 | 31.1 | 32.6 | 34.8 | 29.0 | 29.6 | 31.0 | 33.0 | 26.9 | 27.4 | 28.7 | 30.6 |
| | | S/T | 0.87 | 0.84 | 0.76 | 0.62 | 0.90 | 0.87 | 0.79 | 0.64 | 0.93 | 0.89 | 0.81 | 0.65 | 0.96 | 0.92 | 0.83 | 0.68 | 0.99 | 0.96 | 0.86 | 0.70 | 1.00 | 0.97 | 0.87 | 0.71 |
| | | ΔT | 29 | 28 | 27 | 23 | 29 | 29 | 27 | 24 | 29 | 29 | 27 | 24 | 30 | 29 | 27 | 24 | 29 | 29 | 27 | 23 | 27 | 27 | 25 | 22 |
| | | kW | 2.30 | 2.35 | 2.43 | 2.51 | 2.49 | 2.54 | 2.62 | 2.71 | 2.65 | 2.70 | 2.79 | 2.89 | 2.79 | 2.85 | 2.95 | 3.05 | 2.91 | 2.97 | 3.07 | 3.18 | 3.01 | 3.08 | 3.19 | 3.30 |
| | | Amps | 10.2 | 10.4 | 10.7 | 11.1 | 10.9 | 11.2 | 11.5 | 11.9 | 11.8 | 12.0 | 12.4 | 12.8 | 12.5 | 12.7 | 13.1 | 13.6 | 13.2 | 13.5 | 13.9 | 14.3 | 13.9 | 14.2 | 14.6 | 15.1 |
| | | HI PR | 237 | 255 | 269 | 281 | 266 | 286 | 302 | 315 | 303 | 326 | 344 | 359 | 345 | 371 | 392 | 409 | 388 | 417 | 441 | 460 | 428 | 461 | 487 | 508 |
| | | LO PR | 107 | 114 | 125 | 133 | 113 | 121 | 132 | 140 | 118 | 125 | 137 | 146 | 124 | 132 | 144 | 153 | 130 | 138 | 151 | 160 | 134 | 143 | 156 | 166 |

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 = outdoor unit amps (comp.+fan)

| | | | 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 |
| 70 | 1575 | MBh | 42.3 | 43.9 | 48.1 | - | 41.3 | 42.8 | 46.9 | - | 40.4 | 41.8 | 45.8 | - | 39.4 | 40.8 | 44.7 | - | 37.4 | 38.8 | 42.5 | - | 34.6 | 35.9 | 39.3 | - |
| | | S/T | 0.77 | 0.64 | 0.45 | - | 0.80 | 0.67 | 0.46 | - | 0.82 | 0.69 | 0.47 | - | 0.85 | 0.71 | 0.49 | - | 0.88 | 0.73 | 0.51 | - | 0.89 | 0.74 | 0.51 | - |
| | | ΔT | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 18 | 16 | 12 | - |
| | | kW | 2.74 | 2.79 | 2.88 | - | 2.94 | 3.00 | 3.09 | - | 3.12 | 3.18 | 3.28 | - | 3.27 | 3.34 | 3.45 | - | 3.41 | 3.48 | 3.59 | - | 3.52 | 3.60 | 3.71 | - |
| | | Amps | 11.6 | 11.9 | 12.2 | - | 12.5 | 12.7 | 13.1 | - | 13.4 | 13.7 | 14.1 | - | 14.2 | 14.5 | 14.9 | - | 15.0 | 15.3 | 15.8 | - | 15.8 | 16.2 | 16.7 | - |
| | | HI PR | 236 | 254 | 268 | - | 265 | 285 | 301 | - | 301 | 324 | 342 | - | 343 | 369 | 390 | - | 386 | 415 | 438 | - | 426 | 459 | 484 | - |
| | | LO PR | 113 | 120 | 131 | - | 119 | 127 | 138 | - | 124 | 132 | 144 | - | 130 | 138 | 151 | - | 136 | 145 | 158 | - | 141 | 150 | 163 | - |
| | 1400 | MBh | 41.1 | 42.6 | 46.7 | - | 40.1 | 41.6 | 45.6 | - | 39.2 | 40.6 | 44.5 | - | 38.2 | 39.6 | 43.4 | - | 36.3 | 37.6 | 41.2 | - | 33.6 | 34.9 | 38.2 | - |
| | | S/T | 0.74 | 0.61 | 0.43 | - | 0.76 | 0.64 | 0.44 | - | 0.78 | 0.65 | 0.45 | - | 0.81 | 0.67 | 0.47 | - | 0.84 | 0.70 | 0.48 | - | 0.85 | 0.71 | 0.49 | - |
| | | ΔT | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 18 | 13 | - | 20 | 17 | 13 | - | 19 | 16 | 12 | - |
| | | kW | 2.72 | 2.77 | 2.86 | - | 2.92 | 2.98 | 3.07 | - | 3.09 | 3.16 | 3.26 | - | 3.25 | 3.32 | 3.42 | - | 3.38 | 3.45 | 3.56 | - | 3.49 | 3.57 | 3.68 | - |
| | | Amps | 11.6 | 11.8 | 12.1 | - | 12.4 | 12.6 | 13.0 | - | 13.3 | 13.6 | 14.0 | - | 14.1 | 14.4 | 14.8 | - | 14.9 | 15.2 | 15.7 | - | 15.7 | 16.0 | 16.5 | - |
| | | HI PR | 233 | 251 | 265 | - | 262 | 282 | 298 | - | 298 | 321 | 339 | - | 339 | 365 | 386 | - | 382 | 411 | 434 | - | 422 | 454 | 479 | - |
| | | LO PR | 111 | 119 | 129 | - | 118 | 125 | 137 | - | 122 | 130 | 142 | - | 129 | 137 | 149 | - | 135 | 143 | 156 | - | 139 | 148 | 162 | - |
| | 1225 | MBh | 37.9 | 39.3 | 43.1 | - | 37.0 | 38.4 | 42.1 | - | 36.2 | 37.5 | 41.1 | - | 35.3 | 36.6 | 40.1 | - | 33.5 | 34.7 | 38.1 | - | 31.0 | 32.2 | 35.3 | - |
| | | S/T | 0.71 | 0.59 | 0.41 | - | 0.74 | 0.61 | 0.43 | - | 0.75 | 0.63 | 0.44 | - | 0.78 | 0.65 | 0.45 | - | 0.81 | 0.68 | 0.47 | - | 0.82 | 0.68 | 0.47 | - |
| | | ΔT | 20 | 17 | 13 | - | 20 | 18 | 13 | - | 20 | 18 | 13 | - | 21 | 18 | 14 | - | 20 | 18 | 13 | - | 19 | 16 | 12 | - |
| | | kW | 2.66 | 2.71 | 2.79 | - | 2.85 | 2.91 | 3.00 | - | 3.02 | 3.08 | 3.18 | - | 3.17 | 3.24 | 3.34 | - | 3.30 | 3.37 | 3.47 | - | 3.41 | 3.48 | 3.59 | - |
| | | Amps | 11.3 | 11.5 | 11.8 | - | 12.1 | 12.3 | 12.7 | - | 13.0 | 13.2 | 13.6 | - | 13.7 | 14.0 | 14.5 | - | 14.5 | 14.8 | 15.3 | - | 15.3 | 15.6 | 16.1 | - |
| | | HI PR | 226 | 244 | 257 | - | 254 | 273 | 289 | - | 289 | 311 | 328 | - | 329 | 354 | 374 | - | 370 | 399 | 421 | - | 409 | 440 | 465 | - |
| | | LO PR | 108 | 115 | 126 | - | 114 | 122 | 133 | - | 119 | 126 | 138 | - | 125 | 133 | 145 | - | 131 | 139 | 152 | - | 135 | 144 | 157 | - |
| 75 | 1575 | MBh | 43.0 | 44.3 | 48.0 | 51.5 | 42.0 | 43.3 | 46.9 | 50.3 | 41.0 | 42.3 | 45.7 | 49.1 | 40.0 | 41.2 | 44.6 | 47.9 | 38.0 | 39.2 | 42.4 | 45.5 | 35.2 | 36.3 | 39.3 | 42.1 |
| | | S/T | 0.88 | 0.78 | 0.59 | 0.38 | 0.91 | 0.81 | 0.62 | 0.40 | 0.93 | 0.83 | 0.63 | 0.41 | 0.96 | 0.86 | 0.65 | 0.42 | 1.00 | 0.89 | 0.68 | 0.44 | 1.00 | 0.90 | 0.68 | 0.44 |
| | | ΔT | 22 | 20 | 17 | 11 | 22 | 21 | 17 | 12 | 22 | 21 | 17 | 12 | 22 | 21 | 17 | 12 | 22 | 20 | 17 | 12 | 21 | 19 | 16 | 11 |
| | | kW | 2.76 | 2.82 | 2.90 | 2.99 | 2.96 | 3.02 | 3.12 | 3.21 | 3.14 | 3.21 | 3.31 | 3.41 | 3.30 | 3.37 | 3.48 | 3.59 | 3.43 | 3.51 | 3.62 | 3.74 | 3.55 | 3.63 | 3.74 | 3.87 |
| | | Amps | 11.7 | 12.0 | 12.3 | 12.7 | 12.6 | 12.8 | 13.2 | 13.6 | 13.5 | 13.8 | 14.2 | 14.7 | 14.3 | 14.6 | 15.1 | 15.6 | 15.1 | 15.5 | 15.9 | 16.5 | 15.9 | 16.3 | 16.8 | 17.4 |
| | | HI PR | 238 | 256 | 271 | 282 | 267 | 288 | 304 | 317 | 304 | 327 | 345 | 360 | 346 | 373 | 393 | 410 | 390 | 419 | 443 | 462 | 430 | 463 | 489 | 510 |
| | | LO PR | 114 | 121 | 132 | 141 | 120 | 128 | 140 | 149 | 125 | 133 | 145 | 154 | 131 | 140 | 152 | 162 | 137 | 146 | 160 | 170 | 142 | 151 | 165 | 176 |
| | 1400 | MBh | 41.8 | 43.0 | 46.6 | 50.0 | 40.8 | 42.0 | 45.5 | 48.8 | 39.8 | 41.0 | 44.4 | 47.7 | 38.9 | **40.0** | 43.3 | 46.5 | 36.9 | 38.0 | 41.2 | 44.2 | 34.2 | 35.2 | 38.1 | 40.9 |
| | | S/T | 0.84 | 0.75 | 0.57 | 0.36 | 0.87 | 0.78 | 0.59 | 0.38 | 0.89 | 0.80 | 0.60 | 0.39 | 0.92 | **0.82** | 0.62 | 0.40 | 0.95 | 0.85 | 0.65 | 0.41 | 0.96 | 0.86 | 0.65 | 0.42 |
| | | ΔT | 23 | 21 | 17 | 12 | 23 | 21 | 18 | 12 | 23 | 21 | 18 | 12 | 23 | **22** | 18 | 12 | 23 | 21 | 17 | 12 | 22 | 20 | 16 | 11 |
| | | kW | 2.74 | 2.79 | 2.88 | 2.97 | 2.94 | 3.00 | 3.09 | 3.19 | 3.12 | 3.18 | 3.28 | 3.39 | 3.27 | **3.34** | 3.45 | 3.56 | 3.41 | 3.48 | 3.59 | 3.71 | 3.52 | 3.60 | 3.71 | 3.83 |
| | | Amps | 11.7 | 11.9 | 12.2 | 12.6 | 12.5 | 12.7 | 13.1 | 13.5 | 13.4 | 13.7 | 14.1 | 14.6 | 14.2 | **14.5** | 14.9 | 15.5 | 15.0 | 15.3 | 15.8 | 16.3 | 15.8 | 16.2 | 16.7 | 17.2 |
| | | HI PR | 236 | 254 | 268 | 280 | 265 | 285 | 301 | 314 | 301 | 324 | 342 | 357 | 343 | **369** | 390 | 406 | 386 | 415 | 438 | 457 | 426 | 459 | 484 | 505 |
| | | LO PR | 113 | 120 | 131 | 139 | 119 | 127 | 138 | 147 | 124 | 132 | 144 | 153 | 130 | **138** | 151 | 161 | 136 | 145 | 158 | 168 | 141 | 150 | 164 | 174 |
| | 1225 | MBh | 38.6 | 39.7 | 43.0 | 46.1 | 37.7 | 38.8 | 42.0 | 45.1 | 36.8 | 37.9 | 41.0 | 44.0 | 35.9 | 36.9 | 40.0 | 42.9 | 34.1 | 35.1 | 38.0 | 40.8 | 31.6 | 32.5 | 35.2 | 37.8 |
| | | S/T | 0.81 | 0.72 | 0.55 | 0.35 | 0.84 | 0.75 | 0.57 | 0.36 | 0.86 | 0.77 | 0.58 | 0.37 | 0.89 | 0.79 | 0.60 | 0.39 | 0.92 | 0.82 | 0.62 | 0.40 | 0.93 | 0.83 | 0.63 | 0.40 |
| | | ΔT | 23 | 22 | 18 | 12 | 24 | 22 | 18 | 12 | 24 | 22 | 18 | 12 | 24 | 22 | 18 | 12 | 23 | 22 | 18 | 12 | 22 | 20 | 17 | 11 |
| | | kW | 2.68 | 2.73 | 2.81 | 2.90 | 2.87 | 2.93 | 3.02 | 3.11 | 3.04 | 3.11 | 3.20 | 3.30 | 3.20 | 3.26 | 3.36 | 3.47 | 3.32 | 3.39 | 3.50 | 3.62 | 3.44 | 3.51 | 3.62 | 3.74 |
| | | Amps | 11.4 | 11.6 | 11.9 | 12.3 | 12.2 | 12.4 | 12.8 | 13.2 | 13.1 | 13.4 | 13.7 | 14.2 | 13.9 | 14.2 | 14.6 | 15.1 | 14.6 | 15.0 | 15.4 | 15.9 | 15.4 | 15.8 | 16.2 | 16.8 |
| | | HI PR | 229 | 246 | 260 | 271 | 257 | 276 | 292 | 304 | 292 | 314 | 332 | 346 | 333 | 358 | 378 | 394 | 374 | 403 | 425 | 443 | 413 | 445 | 470 | 490 |
| | | LO PR | 109 | 116 | 127 | 135 | 115 | 123 | 134 | 143 | 120 | 128 | 139 | 148 | 126 | 134 | 146 | 156 | 132 | 140 | 153 | 163 | 137 | 145 | 159 | 169 |

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

| | | | 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 | 1575 | MBh | 43.8 | 44.8 | 47.8 | 51.1 | 42.8 | 43.7 | 46.7 | 49.9 | 41.8 | 42.7 | 45.6 | 48.7 | 40.8 | 41.6 | 44.5 | 47.6 | 38.7 | 39.6 | 42.3 | 45.2 | 35.9 | 36.6 | 39.1 | 41.9 |
| | | S/T | 0.96 | 0.90 | 0.73 | 0.55 | 1.00 | 0.94 | 0.76 | 0.57 | 1.00 | 0.96 | 0.78 | 0.58 | 1.00 | 1.00 | 0.81 | 0.60 | 1.00 | 1.00 | 0.84 | 0.63 | 1.00 | 1.00 | 0.84 | 0.63 |
| | | ΔT | 25 | 24 | 21 | 16 | 25 | 24 | 21 | 17 | 24 | 24 | 21 | 17 | 24 | 24 | 21 | 17 | 23 | 23 | 21 | 16 | 21 | 21 | 19 | 15 |
| | | kW | 2.78 | 2.84 | 2.92 | 3.01 | 2.99 | 3.05 | 3.14 | 3.24 | 3.17 | 3.23 | 3.33 | 3.44 | 3.33 | 3.40 | 3.50 | 3.62 | 3.46 | 3.54 | 3.65 | 3.77 | 3.58 | 3.66 | 3.77 | 3.90 |
| | | Amps | 11.8 | 12.1 | 12.4 | 12.8 | 12.7 | 12.9 | 13.3 | 13.7 | 13.6 | 13.9 | 14.3 | 14.8 | 14.4 | 14.8 | 15.2 | 15.7 | 15.3 | 15.6 | 16.1 | 16.6 | 16.1 | 16.4 | 16.9 | 17.5 |
| | | HI PR | 241 | 259 | 273 | 285 | 270 | 291 | 307 | 320 | 307 | 330 | 349 | 364 | 350 | 376 | 397 | 415 | 393 | 423 | 447 | 466 | 435 | 468 | 494 | 515 |
| | | LO PR | 115 | 122 | 133 | 142 | 121 | 129 | 141 | 150 | 126 | 134 | 147 | 156 | 132 | 141 | 154 | 164 | 139 | 148 | 161 | 172 | 144 | 153 | 167 | 178 |
| | 1400 | MBh | 42.5 | 43.5 | 46.4 | 49.6 | 41.5 | 42.4 | 45.4 | 48.5 | 40.6 | 41.4 | 44.3 | 47.3 | 39.6 | 40.4 | **43.2** | 46.2 | 37.6 | 38.4 | 41.0 | 43.9 | 34.8 | 35.6 | 38.0 | 40.6 |
| | | S/T | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.98 | 0.91 | 0.74 | 0.56 | 1.00 | 0.94 | **0.77** | 0.57 | 1.00 | 0.98 | 0.80 | 0.60 | 1.00 | 0.99 | 0.80 | 0.60 |
| | | ΔT | 26 | 25 | 21 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | **22** | 17 | 25 | 25 | 21 | 17 | 23 | 23 | 20 | 16 |
| | | kW | 2.76 | 2.82 | 2.90 | 2.99 | 2.96 | 3.02 | 3.12 | 3.21 | 3.14 | 3.21 | 3.31 | 3.41 | 3.30 | 3.37 | **3.48** | 3.59 | 3.43 | 3.51 | 3.62 | 3.74 | 3.55 | 3.63 | 3.74 | 3.87 |
| | | Amps | 11.7 | 12.0 | 12.3 | 12.7 | 12.6 | 12.8 | 13.2 | 13.6 | 13.5 | 13.8 | 14.2 | 14.7 | 14.3 | 14.6 | **15.1** | 15.6 | 15.1 | 15.5 | 15.9 | 16.5 | 15.9 | 16.3 | 16.8 | 17.4 |
| | | HI PR | 238 | 256 | 271 | 282 | 267 | 288 | 304 | 317 | 304 | 327 | 346 | 360 | 346 | 373 | **394** | 410 | 390 | 419 | 443 | 462 | 430 | 463 | 489 | 510 |
| | | LO PR | 114 | 121 | 132 | 141 | 120 | 128 | 140 | 149 | 125 | 133 | 145 | 154 | 131 | 140 | **152** | 162 | 137 | 146 | 160 | 170 | 142 | 151 | 165 | 176 |
| | 1225 | MBh | 39.3 | 40.1 | 42.9 | 45.8 | 38.3 | 39.2 | 41.9 | 44.7 | 37.4 | 38.2 | 40.9 | 43.7 | 36.5 | 37.3 | 39.9 | 42.6 | 34.7 | 35.4 | 37.9 | 40.5 | 32.1 | 32.8 | 35.1 | 37.5 |
| | | S/T | 0.89 | 0.83 | 0.68 | 0.50 | 0.92 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.55 | 1.01 | 0.95 | 0.77 | 0.57 | 1.02 | 0.95 | 0.78 | 0.58 |
| | | ΔT | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 18 | 26 | 25 | 22 | 18 | 27 | 25 | 22 | 18 | 26 | 25 | 22 | 17 | 25 | 23 | 20 | 16 |
| | | kW | 2.70 | 2.75 | 2.83 | 2.92 | 2.89 | 2.95 | 3.04 | 3.14 | 3.07 | 3.13 | 3.23 | 3.33 | 3.22 | 3.29 | 3.39 | 3.50 | 3.35 | 3.42 | 3.53 | 3.65 | 3.46 | 3.54 | 3.65 | 3.77 |
| | | Amps | 11.5 | 11.7 | 12.0 | 12.4 | 12.3 | 12.5 | 12.9 | 13.3 | 13.2 | 13.5 | 13.9 | 14.3 | 14.0 | 14.3 | 14.7 | 15.2 | 14.8 | 15.1 | 15.5 | 16.1 | 15.5 | 15.9 | 16.4 | 16.9 |
| | | HI PR | 231 | 249 | 263 | 274 | 259 | 279 | 295 | 307 | 295 | 317 | 335 | 350 | 336 | 361 | 382 | 398 | 378 | 407 | 429 | 448 | 418 | 449 | 474 | 495 |
| | | LO PR | 110 | 117 | 128 | 136 | 117 | 124 | 135 | 144 | 121 | 129 | 141 | 150 | 127 | 135 | 148 | 157 | 133 | 142 | 155 | 165 | 138 | 147 | 160 | 171 |
| 85 | 1575 | MBh | 44.6 | 45.4 | 47.6 | 50.8 | 43.5 | 44.4 | 46.5 | 49.6 | 42.5 | 43.3 | 45.4 | 48.4 | 41.5 | 42.3 | 44.3 | 47.2 | 39.4 | 40.2 | 42.1 | 44.9 | 36.5 | 37.2 | 39.0 | 41.6 |
| | | S/T | 1.00 | 0.97 | 0.88 | 0.71 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.93 | 0.76 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 1.00 | 0.81 | 1.00 | 1.00 | 1.00 | 0.82 |
| | | ΔT | 26 | 26 | 24 | 21 | 25 | 26 | 25 | 21 | 25 | 25 | 25 | 21 | 24 | 25 | 25 | 22 | 23 | 23 | 25 | 21 | 21 | 22 | 23 | 20 |
| | | kW | 2.80 | 2.86 | 2.95 | 3.04 | 3.01 | 3.07 | 3.17 | 3.27 | 3.19 | 3.26 | 3.36 | 3.47 | 3.35 | 3.42 | 3.53 | 3.65 | 3.49 | 3.56 | 3.68 | 3.80 | 3.61 | 3.69 | 3.80 | 3.93 |
| | | Amps | 11.9 | 12.2 | 12.5 | 12.9 | 12.8 | 13.0 | 13.4 | 13.8 | 13.7 | 14.0 | 14.4 | 14.9 | 14.6 | 14.9 | 15.3 | 15.8 | 15.4 | 15.7 | 16.2 | 16.8 | 16.2 | 16.6 | 17.1 | 17.7 |
| | | HI PR | 243 | 262 | 276 | 288 | 273 | 293 | 310 | 323 | 310 | 334 | 352 | 368 | 353 | 380 | 401 | 419 | 397 | 428 | 452 | 471 | 439 | 473 | 499 | 520 |
| | | LO PR | 116 | 123 | 135 | 144 | 123 | 130 | 142 | 152 | 127 | 136 | 148 | 158 | 134 | 142 | 155 | 166 | 140 | 149 | 163 | 173 | 145 | 154 | 168 | 179 |
| | 1400 | MBh | 43.3 | 44.1 | 46.2 | 49.3 | 42.3 | 43.1 | 45.1 | 48.1 | 41.3 | 42.1 | 44.1 | 47.0 | 40.3 | 41.0 | 43.0 | 45.8 | 38.2 | 39.0 | 40.8 | 43.6 | 35.4 | 36.1 | 37.8 | 40.3 |
| | | S/T | 0.96 | 0.93 | 0.84 | 0.68 | 1.00 | 0.96 | 0.87 | 0.70 | 1.00 | 0.99 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.95 | 0.77 | 1.00 | 1.00 | 0.96 | 0.78 |
| | | ΔT | 27 | 27 | 25 | 22 | 28 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 26 | 27 | 26 | 22 | 25 | 26 | 26 | 22 | 23 | 24 | 24 | 21 |
| | | kW | 2.78 | 2.84 | 2.92 | 3.01 | 2.99 | 3.05 | 3.14 | 3.24 | 3.17 | 3.23 | 3.33 | 3.44 | 3.33 | 3.40 | 3.50 | 3.62 | 3.46 | 3.54 | 3.65 | 3.77 | 3.58 | 3.66 | 3.77 | 3.90 |
| | | Amps | 11.8 | 12.1 | 12.4 | 12.8 | 12.7 | 12.9 | 13.3 | 13.7 | 13.6 | 13.9 | 14.3 | 14.8 | 14.4 | 14.8 | 15.2 | 15.7 | 15.3 | 15.6 | 16.1 | 16.6 | 16.1 | 16.4 | 16.9 | 17.5 |
| | | HI PR | 241 | 259 | 273 | 285 | 270 | 291 | 307 | 320 | 307 | 330 | 349 | 364 | 350 | 376 | 397 | 415 | 393 | 423 | 447 | 466 | 435 | 468 | 494 | 515 |
| | | LO PR | 115 | 122 | 133 | 142 | 121 | 129 | 141 | 150 | 126 | 134 | 147 | 156 | 132 | 141 | 154 | 164 | 139 | 148 | 161 | 172 | 144 | 153 | 167 | 178 |
| | 1225 | MBh | 39.9 | 40.7 | 42.6 | 45.5 | 39.0 | 39.8 | 41.6 | 44.4 | 38.1 | 38.8 | 40.7 | 43.4 | 37.2 | 37.9 | 39.7 | 42.3 | 35.3 | 36.0 | 37.7 | 40.2 | 32.7 | 33.3 | 34.9 | 37.2 |
| | | S/T | 0.93 | 0.90 | 0.81 | 0.66 | 0.96 | 0.93 | 0.84 | 0.68 | 0.99 | 0.95 | 0.86 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.93 | 0.75 |
| | | ΔT | 28 | 27 | 26 | 22 | 28 | 28 | 26 | 23 | 28 | 28 | 26 | 23 | 28 | 28 | 26 | 23 | 26 | 27 | 26 | 23 | 25 | 25 | 24 | 21 |
| | | kW | 2.72 | 2.77 | 2.86 | 2.94 | 2.92 | 2.98 | 3.07 | 3.16 | 3.09 | 3.16 | 3.25 | 3.36 | 3.25 | 3.31 | 3.42 | 3.53 | 3.38 | 3.45 | 3.56 | 3.68 | 3.49 | 3.57 | 3.68 | 3.80 |
| | | Amps | 11.6 | 11.8 | 12.1 | 12.5 | 12.4 | 12.6 | 13.0 | 13.4 | 13.3 | 13.6 | 14.0 | 14.4 | 14.1 | 14.4 | 14.8 | 15.3 | 14.9 | 15.2 | 15.7 | 16.2 | 15.7 | 16.0 | 16.5 | 17.1 |
| | | HI PR | 233 | 251 | 265 | 277 | 262 | 282 | 298 | 310 | 298 | 321 | 339 | 353 | 339 | 365 | 386 | 402 | 382 | 411 | 434 | 452 | 422 | 454 | 479 | 500 |
| | | LO PR | 111 | 119 | 129 | 138 | 118 | 125 | 137 | 146 | 122 | 130 | 142 | 151 | 129 | 137 | 149 | 159 | 135 | 143 | 156 | 167 | 139 | 148 | 162 | 172 |

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 = outdoor unit amps (comp.+fan)

| | | | 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 |
| 70 | 1461 | MBh | 44.6 | 46.2 | 50.6 | - | 43.5 | 45.1 | 49.5 | - | 42.5 | 44.1 | 48.3 | - | 41.5 | 43.0 | 47.1 | - | 39.4 | 40.8 | 44.7 | - | 36.5 | 37.8 | 41.4 | - |
| | | S/T | 0.76 | 0.64 | 0.44 | - | 0.79 | 0.66 | 0.46 | - | 0.81 | 0.68 | 0.47 | - | 0.84 | 0.70 | 0.48 | - | 0.87 | 0.73 | 0.50 | - | 0.88 | 0.73 | 0.51 | - |
| | | ΔT | 21 | 19 | 14 | - | 22 | 19 | 14 | - | 22 | 19 | 14 | - | 22 | 19 | 14 | - | 22 | 19 | 14 | - | 20 | 17 | 13 | - |
| | | kW | 2.93 | 2.99 | 3.09 | - | 3.16 | 3.22 | 3.33 | - | 3.35 | 3.43 | 3.54 | - | 3.53 | 3.61 | 3.73 | - | 3.68 | 3.76 | 3.89 | - | 3.81 | 3.89 | 4.02 | - |
| | | Amps | 12.9 | 13.1 | 13.5 | - | 13.8 | 14.0 | 14.4 | - | 14.8 | 15.1 | 15.5 | - | 15.7 | 16.0 | 16.5 | - | 16.5 | 16.9 | 17.4 | - | 17.4 | 17.8 | 18.3 | - |
| | | HI PR | 237 | 255 | 270 | - | 266 | 287 | 303 | - | 303 | 326 | 344 | - | 345 | 371 | 392 | - | 388 | 418 | 441 | - | 429 | 461 | 487 | - |
| | | LO PR | 109 | 116 | 126 | - | 115 | 122 | 133 | - | 119 | 127 | 139 | - | 125 | 133 | 146 | - | 131 | 140 | 152 | - | 136 | 144 | 158 | - |
| | 1300 | MBh | 43.3 | 44.9 | 49.2 | - | 42.3 | 43.8 | 48.0 | - | 41.3 | 42.8 | 46.9 | - | 40.3 | 41.7 | 45.7 | - | 38.3 | 39.6 | 43.4 | - | 35.4 | 36.7 | 40.2 | - |
| | | S/T | 0.73 | 0.61 | 0.42 | - | 0.75 | 0.63 | 0.44 | - | 0.77 | 0.65 | 0.45 | - | 0.80 | 0.67 | 0.46 | - | 0.83 | 0.69 | 0.48 | - | 0.84 | 0.70 | 0.48 | - |
| | | ΔT | 22 | 19 | 15 | - | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 22 | 19 | 15 | - | 21 | 18 | 14 | - |
| | | kW | 2.91 | 2.97 | 3.06 | - | 3.13 | 3.20 | 3.30 | - | 3.33 | 3.40 | 3.51 | - | 3.50 | 3.58 | 3.70 | - | 3.65 | 3.73 | 3.85 | - | 3.78 | 3.86 | 3.99 | - |
| | | Amps | 12.8 | 13.0 | 13.4 | - | 13.7 | 13.9 | 14.3 | - | 14.7 | 15.0 | 15.4 | - | 15.5 | 15.9 | 16.3 | - | 16.4 | 16.8 | 17.3 | - | 17.3 | 17.6 | 18.2 | - |
| | | HI PR | 235 | 253 | 267 | - | 264 | 284 | 300 | - | 300 | 323 | 341 | - | 342 | 368 | 388 | - | 384 | 413 | 437 | - | 424 | 457 | 482 | - |
| | | LO PR | 108 | 114 | 125 | - | 114 | 121 | 132 | - | 118 | 126 | 137 | - | 124 | 132 | 144 | - | 130 | 138 | 151 | - | 134 | 143 | 156 | - |
| | 1139 | MBh | 40.0 | 41.4 | 45.4 | - | 39.0 | 40.4 | 44.3 | - | 38.1 | 39.5 | 43.3 | - | 37.2 | 38.5 | 42.2 | - | 35.3 | 36.6 | 40.1 | - | 32.7 | 33.9 | 37.1 | - |
| | | S/T | 0.70 | 0.59 | 0.41 | - | 0.73 | 0.61 | 0.42 | - | 0.75 | 0.62 | 0.43 | - | 0.77 | 0.64 | 0.45 | - | 0.80 | 0.67 | 0.46 | - | 0.81 | 0.67 | 0.47 | - |
| | | ΔT | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 21 | 18 | 14 | - |
| | | kW | 2.84 | 2.90 | 2.99 | - | 3.05 | 3.12 | 3.22 | - | 3.25 | 3.32 | 3.42 | - | 3.41 | 3.49 | 3.60 | - | 3.56 | 3.64 | 3.76 | - | 3.68 | 3.76 | 3.89 | - |
| | | Amps | 12.5 | 12.7 | 13.1 | - | 13.3 | 13.6 | 14.0 | - | 14.3 | 14.6 | 15.0 | - | 15.2 | 15.5 | 15.9 | - | 16.0 | 16.4 | 16.8 | - | 16.8 | 17.2 | 17.7 | - |
| | | HI PR | 228 | 245 | 259 | - | 256 | 275 | 291 | - | 291 | 313 | 331 | - | 331 | 356 | 376 | - | 373 | 401 | 423 | - | 412 | 443 | 468 | - |
| | | LO PR | 104 | 111 | 121 | - | 110 | 117 | 128 | - | 115 | 122 | 133 | - | 120 | 128 | 140 | - | 126 | 134 | 146 | - | 130 | 139 | 151 | - |
| 75 | 1461 | MBh | 45.3 | 46.7 | 50.5 | 54.2 | 44.3 | 45.6 | 49.4 | 53.0 | 43.2 | 44.5 | 48.2 | 51.7 | 42.2 | **43.4** | 47.0 | 50.4 | 40.1 | 41.3 | 44.7 | 47.9 | 37.1 | 38.2 | 41.4 | 44.4 |
| | | S/T | 0.87 | 0.78 | 0.59 | 0.38 | 0.90 | 0.80 | 0.61 | 0.39 | 0.92 | 0.82 | 0.62 | 0.40 | 0.95 | **0.85** | 0.64 | 0.41 | 0.99 | 0.88 | 0.67 | 0.43 | 1.00 | 0.89 | 0.67 | 0.43 |
| | | ΔT | 25 | 23 | 19 | 13 | 25 | 23 | 19 | 13 | 25 | 23 | 19 | 13 | 25 | **23** | 19 | 13 | 25 | 23 | 19 | 13 | 23 | 21 | 18 | 12 |
| | | kW | 2.95 | 3.02 | 3.11 | 3.21 | 3.18 | 3.25 | 3.36 | 3.47 | 3.38 | 3.46 | 3.57 | 3.69 | 3.56 | **3.64** | 3.76 | 3.89 | 3.71 | 3.79 | 3.92 | 4.05 | 3.84 | 3.93 | 4.06 | 4.20 |
| | | Amps | 13.0 | 13.2 | 13.6 | 14.0 | 13.9 | 14.2 | 14.6 | 15.0 | 14.9 | 15.2 | 15.7 | 16.2 | 15.8 | **16.1** | 16.6 | 17.2 | 16.7 | 17.0 | 17.5 | 18.1 | 17.6 | 17.9 | 18.5 | 19.1 |
| | | HI PR | 240 | 258 | 272 | 284 | 269 | 289 | 306 | 319 | 306 | 329 | 348 | 363 | 348 | **375** | 396 | 413 | 392 | 422 | 445 | 465 | 433 | 466 | 492 | 513 |
| | | LO PR | 110 | 117 | 127 | 136 | 116 | 123 | 135 | 143 | 120 | 128 | 140 | 149 | 127 | **135** | 147 | 157 | 133 | 141 | 154 | 164 | 137 | 146 | 159 | 170 |
| | 1300 | MBh | 44.0 | 45.3 | 49.1 | 52.7 | 43.0 | 44.3 | 47.9 | 51.4 | 42.0 | 43.2 | 46.8 | 50.2 | 41.0 | **42.2** | 45.6 | 49.0 | 38.9 | 40.1 | 43.4 | 46.5 | 36.0 | 37.1 | 40.2 | 43.1 |
| | | S/T | 0.83 | 0.74 | 0.56 | 0.36 | 0.86 | 0.77 | 0.58 | 0.37 | 0.88 | 0.79 | 0.60 | 0.38 | 0.91 | **0.81** | 0.61 | 0.40 | 0.94 | 0.84 | 0.64 | 0.41 | 0.95 | 0.85 | 0.64 | 0.41 |
| | | ΔT | 26 | 24 | 19 | 13 | 26 | 24 | 20 | 14 | 26 | 24 | 20 | 14 | 26 | **24** | 20 | 14 | 26 | 24 | 20 | 14 | 24 | 22 | 18 | 13 |
| | | kW | 2.93 | 2.99 | 3.09 | 3.19 | 3.16 | 3.22 | 3.33 | 3.44 | 3.36 | 3.43 | 3.54 | 3.66 | 3.53 | **3.61** | 3.73 | 3.85 | 3.68 | 3.76 | 3.89 | 4.02 | 3.81 | 3.90 | 4.03 | 4.16 |
| | | Amps | 12.9 | 13.1 | 13.5 | 13.9 | 13.8 | 14.0 | 14.4 | 14.9 | 14.8 | 15.1 | 15.5 | 16.0 | 15.7 | **16.0** | 16.5 | 17.0 | 16.5 | 16.9 | 17.4 | 18.0 | 17.4 | 17.8 | 18.3 | 18.9 |
| | | HI PR | 237 | 255 | 270 | 281 | 266 | 287 | 303 | 316 | 303 | 326 | 344 | 359 | 345 | **371** | 392 | 409 | 388 | 418 | 441 | 460 | 429 | 461 | 487 | 508 |
| | | LO PR | 109 | 116 | 126 | 134 | 115 | 122 | 133 | 142 | 119 | 127 | 139 | 148 | 125 | **133** | 146 | 155 | 131 | 140 | 153 | 162 | 136 | 145 | 158 | 168 |
| | 1139 | MBh | 40.6 | 41.8 | 45.3 | 48.6 | 39.7 | 40.9 | 44.2 | 47.5 | 38.7 | 39.9 | 43.2 | 46.3 | 37.8 | **38.9** | 42.1 | 45.2 | 35.9 | 37.0 | 40.0 | 42.9 | 33.3 | 34.2 | 37.1 | 39.8 |
| | | S/T | 0.80 | 0.71 | 0.54 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.85 | 0.76 | 0.57 | 0.37 | 0.88 | **0.78** | 0.59 | 0.38 | 0.91 | 0.81 | 0.62 | 0.40 | 0.92 | 0.82 | 0.62 | 0.40 |
| | | ΔT | 26 | 24 | 20 | 14 | 26 | 24 | 20 | 14 | 27 | 24 | 20 | 14 | 27 | **25** | 20 | 14 | 26 | 24 | 20 | 14 | 25 | 23 | 19 | 13 |
| | | kW | 2.86 | 2.92 | 3.01 | 3.11 | 3.08 | 3.15 | 3.25 | 3.35 | 3.27 | 3.34 | 3.45 | 3.57 | 3.44 | **3.52** | 3.63 | 3.76 | 3.59 | 3.67 | 3.79 | 3.92 | 3.71 | 3.80 | 3.92 | 4.06 |
| | | Amps | 12.6 | 12.8 | 13.2 | 13.6 | 13.4 | 13.7 | 14.1 | 14.6 | 14.4 | 14.7 | 15.2 | 15.7 | 15.3 | **15.6** | 16.1 | 16.6 | 16.1 | 16.5 | 17.0 | 17.5 | 17.0 | 17.3 | 17.9 | 18.5 |
| | | HI PR | 230 | 248 | 262 | 273 | 258 | 278 | 294 | 306 | 294 | 316 | 334 | 348 | 335 | **360** | 380 | 397 | 376 | 405 | 428 | 446 | 416 | 448 | 473 | 493 |
| | | LO PR | 105 | 112 | 122 | 130 | 111 | 118 | 129 | 138 | 116 | 123 | 134 | 143 | 122 | **129** | 141 | 150 | 127 | 136 | 148 | 158 | 132 | 140 | 153 | 163 |

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

| | | | 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 | 1461 | MBh | 25.0 | 25.5 | 27.2 | 29.1 | 24.4 | 24.9 | 26.6 | 28.4 | 23.8 | 24.3 | 26.0 | 27.8 | 23.2 | 23.7 | 25.3 | 27.1 | 22.1 | 22.5 | 24.1 | 25.7 | 20.4 | 20.9 | 22.3 | 23.8 |
| | | S/T | 1.00 | 0.96 | 0.78 | 0.58 | 1.00 | 1.00 | 0.81 | 0.60 | 1.00 | 1.00 | 0.83 | 0.62 | 1.00 | 1.00 | 0.85 | 0.64 | 1.00 | 1.00 | 0.89 | 0.66 | 1.00 | 1.00 | 0.89 | 0.67 |
| | | ΔT | 24 | 23 | 20 | 16 | 23 | 24 | 21 | 16 | 23 | 23 | 21 | 17 | 22 | 23 | 21 | 17 | 21 | 22 | 21 | 16 | 20 | 20 | 19 | 15 |
| | | kW | 1.58 | 1.62 | 1.67 | 1.73 | 1.71 | 1.75 | 1.81 | 1.87 | 1.82 | 1.86 | 1.93 | 1.99 | 1.92 | 1.97 | 2.03 | 2.10 | 2.01 | 2.05 | 2.12 | 2.20 | 2.08 | 2.13 | 2.20 | 2.28 |
| | | Amps | 6.6 | 6.7 | 6.9 | 7.2 | 7.1 | 7.2 | 7.4 | 7.7 | 7.6 | 7.8 | 8.0 | 8.3 | 8.1 | 8.3 | 8.6 | 8.9 | 8.6 | 8.8 | 9.1 | 9.4 | 9.1 | 9.3 | 9.6 | 10.0 |
| | | HI PR | 237 | 255 | 269 | 281 | 266 | 286 | 302 | 315 | 302 | 325 | 343 | 358 | 344 | 370 | 391 | 408 | 387 | 416 | 440 | 459 | 428 | 460 | 486 | 507 |
| | | LO PR | 113 | 120 | 131 | 140 | 120 | 127 | 139 | 148 | 124 | 132 | 144 | 154 | 131 | 139 | 152 | 161 | 137 | 146 | 159 | 169 | 141 | 151 | 164 | 175 |
| | 1300 | MBh | 24.2 | 24.8 | 26.4 | 28.3 | 23.7 | 24.2 | 25.8 | 27.6 | 23.1 | 23.6 | 25.2 | 27.0 | 22.5 | 23.0 | **24.6** | 26.3 | 21.4 | 21.9 | 23.4 | 25.0 | 19.8 | 20.3 | 21.6 | 23.1 |
| | | S/T | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 0.97 | 0.79 | 0.59 | 1.00 | 1.00 | **0.81** | 0.61 | 1.00 | 1.00 | 0.84 | 0.63 | 1.00 | 1.00 | 0.85 | 0.64 |
| | | ΔT | 25 | 24 | 21 | 17 | 26 | 25 | 21 | 17 | 25 | 25 | 22 | 17 | 24 | 25 | **22** | 17 | 23 | 24 | 21 | 17 | 21 | 22 | 20 | 16 |
| | | kW | 1.57 | 1.61 | 1.66 | 1.71 | 1.70 | 1.73 | 1.79 | 1.85 | 1.81 | 1.85 | 1.91 | 1.98 | 1.90 | 1.95 | **2.01** | 2.08 | 1.99 | 2.03 | 2.10 | 2.18 | 2.06 | 2.11 | 2.18 | 2.26 |
| | | Amps | 6.5 | 6.7 | 6.9 | 7.1 | 7.0 | 7.2 | 7.4 | 7.6 | 7.6 | 7.7 | 8.0 | 8.3 | 8.1 | 8.2 | **8.5** | 8.8 | 8.5 | 8.7 | 9.0 | 9.3 | 9.0 | 9.2 | 9.5 | 9.9 |
| | | HI PR | 234 | 252 | 266 | 278 | 263 | 283 | 299 | 312 | 299 | 322 | 340 | 354 | 341 | 367 | **387** | 404 | 383 | 412 | 435 | 454 | 423 | 456 | 481 | 502 |
| | | LO PR | 112 | 119 | 130 | 139 | 118 | 126 | 137 | 146 | 123 | 131 | 143 | 152 | 129 | 137 | **150** | 160 | 135 | 144 | 157 | 168 | 140 | 149 | 163 | 173 |
| | 1139 | MBh | 22.4 | 22.8 | 24.4 | 26.1 | 21.8 | 22.3 | 23.8 | 25.5 | 21.3 | 21.8 | 23.3 | 24.9 | 20.8 | 21.3 | 22.7 | 24.3 | 19.8 | 20.2 | 21.6 | 23.1 | 18.3 | 18.7 | 20.0 | 21.4 |
| | | S/T | 0.94 | 0.88 | 0.72 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.93 | 0.76 | 0.57 | 1.03 | 0.96 | 0.78 | 0.59 | 1.07 | 1.00 | 0.81 | 0.61 | 1.08 | 1.01 | 0.82 | 0.61 |
| | | ΔT | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | 22 | 18 | 26 | 25 | 22 | 17 | 24 | 23 | 20 | 16 |
| | | kW | 1.53 | 1.57 | 1.62 | 1.67 | 1.65 | 1.69 | 1.75 | 1.81 | 1.76 | 1.80 | 1.86 | 1.92 | 1.86 | 1.90 | 1.96 | 2.03 | 1.94 | 1.98 | 2.05 | 2.12 | 2.01 | 2.05 | 2.12 | 2.20 |
| | | Amps | 6.3 | 6.5 | 6.7 | 6.9 | 6.8 | 7.0 | 7.2 | 7.4 | 7.4 | 7.5 | 7.8 | 8.0 | 7.8 | 8.0 | 8.3 | 8.6 | 8.3 | 8.5 | 8.8 | 9.1 | 8.8 | 9.0 | 9.3 | 9.6 |
| | | HI PR | 227 | 245 | 258 | 269 | 255 | 274 | 290 | 302 | 290 | 312 | 330 | 344 | 330 | 356 | 375 | 392 | 372 | 400 | 422 | 441 | 411 | 442 | 467 | 487 |
| | | LO PR | 109 | 116 | 126 | 134 | 115 | 122 | 133 | 142 | 119 | 127 | 139 | 148 | 125 | 133 | 146 | 155 | 131 | 140 | 153 | 163 | 136 | 145 | 158 | 168 |
| 85 | 1461 | MBh | 25.4 | 25.9 | 27.1 | 28.9 | 24.8 | 25.3 | 26.5 | 28.2 | 24.2 | 24.7 | 25.8 | 27.6 | 23.6 | 24.1 | 25.2 | 26.9 | 22.4 | 22.9 | 24.0 | 25.6 | 20.8 | 21.2 | 22.2 | 23.7 |
| | | S/T | 1.00 | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 0.99 | 0.80 | 1.00 | 1.00 | 1.00 | 0.83 | 1.00 | 1.00 | 1.00 | 0.86 | 1.00 | 1.00 | 1.00 | 0.87 |
| | | ΔT | 24 | 25 | 24 | 21 | 24 | 24 | 25 | 21 | 23 | 24 | 25 | 21 | 23 | 23 | 24 | 21 | 22 | 22 | 23 | 21 | 20 | 20 | 21 | 20 |
| | | kW | 1.60 | 1.63 | 1.69 | 1.74 | 1.72 | 1.76 | 1.82 | 1.88 | 1.84 | 1.88 | 1.94 | 2.01 | 1.94 | 1.98 | 2.05 | 2.12 | 2.02 | 2.07 | 2.14 | 2.21 | 2.10 | 2.14 | 2.22 | 2.30 |
| | | Amps | 6.6 | 6.8 | 7.0 | 7.2 | 7.1 | 7.3 | 7.5 | 7.8 | 7.7 | 7.9 | 8.1 | 8.4 | 8.2 | 8.4 | 8.6 | 9.0 | 8.7 | 8.9 | 9.2 | 9.5 | 9.2 | 9.4 | 9.7 | 10.1 |
| | | HI PR | 239 | 257 | 272 | 283 | 268 | 289 | 305 | 318 | 305 | 328 | 347 | 362 | 347 | 374 | 395 | 412 | 391 | 421 | 444 | 463 | 432 | 465 | 491 | 512 |
| | | LO PR | 114 | 122 | 133 | 141 | 121 | 128 | 140 | 149 | 126 | 134 | 146 | 155 | 132 | 140 | 153 | 163 | 138 | 147 | 160 | 171 | 143 | 152 | 166 | 177 |
| | 1300 | MBh | 24.6 | 25.1 | 26.3 | 28.1 | 24.1 | 24.5 | 25.7 | 27.4 | 23.5 | 24.0 | 25.1 | 26.8 | 22.9 | 23.4 | 24.5 | 26.1 | 21.8 | 22.2 | 23.3 | 24.8 | 20.2 | 20.6 | 21.5 | 23.0 |
| | | S/T | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.94 | 0.77 | 1.00 | 1.00 | 0.97 | 0.79 | 1.00 | 1.00 | 1.00 | 0.82 | 1.00 | 1.00 | 1.00 | 0.83 |
| | | ΔT | 27 | 27 | 25 | 22 | 26 | 27 | 26 | 22 | 25 | 26 | 26 | 22 | 25 | 25 | 26 | 22 | 24 | 24 | 25 | 22 | 22 | 22 | 23 | 21 |
| | | kW | 1.58 | 1.62 | 1.67 | 1.73 | 1.71 | 1.75 | 1.81 | 1.87 | 1.82 | 1.86 | 1.93 | 1.99 | 1.92 | 1.97 | 2.03 | 2.10 | 2.01 | 2.05 | 2.12 | 2.20 | 2.08 | 2.13 | 2.20 | 2.28 |
| | | Amps | 6.6 | 6.7 | 6.9 | 7.2 | 7.1 | 7.2 | 7.4 | 7.7 | 7.6 | 7.8 | 8.0 | 8.3 | 8.1 | 8.3 | 8.6 | 8.9 | 8.6 | 8.8 | 9.1 | 9.4 | 9.1 | 9.3 | 9.6 | 10.0 |
| | | HI PR | 237 | 255 | 269 | 281 | 266 | 286 | 302 | 315 | 302 | 325 | 343 | 358 | 344 | 370 | 391 | 408 | 387 | 416 | 440 | 459 | 428 | 460 | 486 | 507 |
| | | LO PR | 113 | 120 | 131 | 140 | 120 | 127 | 139 | 148 | 124 | 132 | 144 | 154 | 131 | 139 | 152 | 161 | 137 | 146 | 159 | 169 | 141 | 151 | 164 | 175 |
| | 1139 | MBh | 22.8 | 23.2 | 24.3 | 25.9 | 22.2 | 22.7 | 23.7 | 25.3 | 21.7 | 22.1 | 23.2 | 24.7 | 21.2 | 21.6 | 22.6 | 24.1 | 20.1 | 20.5 | 21.5 | 22.9 | 18.6 | 19.0 | 19.9 | 21.2 |
| | | S/T | 0.98 | 0.95 | 0.86 | 0.69 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.94 | 0.76 | 1.00 | 1.00 | 0.97 | 0.79 | 1.00 | 1.00 | 0.98 | 0.80 |
| | | ΔT | 28 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 26 | 27 | 26 | 23 | 25 | 25 | 26 | 22 | 23 | 23 | 24 | 21 |
| | | kW | 1.54 | 1.58 | 1.63 | 1.68 | 1.67 | 1.70 | 1.76 | 1.82 | 1.78 | 1.82 | 1.88 | 1.94 | 1.87 | 1.91 | 1.98 | 2.05 | 1.95 | 2.00 | 2.07 | 2.14 | 2.02 | 2.07 | 2.14 | 2.22 |
| | | Amps | 6.4 | 6.5 | 6.7 | 7.0 | 6.9 | 7.0 | 7.3 | 7.5 | 7.4 | 7.6 | 7.8 | 8.1 | 7.9 | 8.1 | 8.3 | 8.6 | 8.4 | 8.6 | 8.9 | 9.2 | 8.9 | 9.1 | 9.4 | 9.7 |
| | | HI PR | 230 | 247 | 261 | 272 | 258 | 277 | 293 | 305 | 293 | 315 | 333 | 347 | 334 | 359 | 379 | 395 | 375 | 404 | 427 | 445 | 415 | 446 | 471 | 492 |
| | | LO PR | 110 | 117 | 127 | 136 | 116 | 123 | 135 | 143 | 121 | 128 | 140 | 149 | 127 | 135 | 147 | 157 | 133 | 141 | 154 | 164 | 137 | 146 | 159 | 170 |

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 = outdoor unit amps (comp.+fan)

**GPD1424***M41****

| | Outdoor Ambient Temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 30.5 | 28.9 | 27.2 | 25.4 | 24.3 | 23.5 | 21.8 | 20.1 | 17.1 | 15.7 | 14.5 | 13.7 | 13.2 | 11.8 | 10.5 | 9.1 | 7.8 | 6.4 |
| T/R | 33.2 | 31.5 | 29.6 | 27.7 | 26.4 | 25.6 | 23.8 | 21.9 | 18.6 | 17.1 | 15.8 | 14.9 | 14.4 | 12.9 | 11.4 | 10.0 | 8.5 | 7.0 |
| kW | 2.07 | 2.02 | 1.98 | 1.94 | 1.91 | 1.90 | 1.86 | 1.81 | 2.04 | 1.99 | 1.94 | 1.91 | 1.89 | 1.84 | 1.79 | 1.75 | 1.69 | 1.65 |
| Amps | 10.2 | 9.5 | 8.9 | 8.4 | 8.1 | 7.9 | 7.5 | 7.1 | 6.9 | 6.6 | 6.3 | 6.1 | 6.1 | 5.8 | 5.4 | 5.1 | 4.8 | 4.3 |
| COP | 4.32 | 4.18 | 4.02 | 3.84 | 3.71 | 3.63 | 3.45 | 3.25 | 2.44 | 2.31 | 2.18 | 2.09 | 2.04 | 1.88 | 1.71 | 1.53 | 1.35 | 1.14 |
| EER | 14.8 | 14.3 | 13.7 | 13.1 | 12.7 | 12.4 | 11.8 | 11.1 | 8.3 | 7.9 | 7.5 | 7.2 | 7.0 | 6.4 | 5.8 | 5.2 | 4.6 | 3.9 |
| HI PR | 411 | 394 | 379 | 362 | 354 | 347 | 334 | 320 | 307 | 293 | 281 | 275 | 270 | 259 | 249 | 239 | 231 | 223 |
| LO PR | 141 | 130 | 122 | 112 | 106 | 102 | 94 | 83 | 75 | 67 | 59 | 55 | 53 | 45 | 39 | 33 | 28 | 22 |

**GPD1430***M41****

| | Outdoor Ambient Temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 36.3 | 34.4 | 32.3 | 30.2 | 28.9 | 28.0 | 26.0 | 24.0 | 20.6 | 19.1 | 17.5 | 16.6 | 16.0 | 14.3 | 12.7 | 11.1 | 9.4 | 7.7 |
| T/R | 32.3 | 30.6 | 28.8 | 26.9 | 25.7 | 24.9 | 23.1 | 21.3 | 18.4 | 17.0 | 15.6 | 14.7 | 14.2 | 12.7 | 11.3 | 9.9 | 8.4 | 6.9 |
| kW | 2.54 | 2.49 | 2.44 | 2.39 | 2.36 | 2.34 | 2.29 | 2.24 | 2.12 | 2.07 | 2.02 | 1.99 | 1.97 | 1.92 | 1.88 | 1.83 | 1.78 | 1.73 |
| Amps | 13.0 | 12.1 | 11.4 | 10.8 | 10.5 | 10.3 | 9.8 | 9.3 | 9.0 | 8.7 | 8.3 | 8.1 | 8.1 | 7.7 | 7.3 | 6.9 | 6.5 | 6.0 |
| COP | 4.18 | 4.03 | 3.88 | 3.70 | 3.58 | 3.50 | 3.32 | 3.13 | 2.85 | 2.70 | 2.54 | 2.43 | 2.37 | 2.18 | 1.98 | 1.77 | 1.55 | 1.31 |
| EER | 14.3 | 13.8 | 13.2 | 12.6 | 12.2 | 12.0 | 11.3 | 10.7 | 9.8 | 9.2 | 8.7 | 8.3 | 8.1 | 7.4 | 6.8 | 6.1 | 5.3 | 4.5 |
| HI PR | 415 | 398 | 382 | 366 | 357 | 350 | 337 | 323 | 310 | 296 | 284 | 277 | 272 | 262 | 252 | 241 | 233 | 225 |
| LO PR | 142 | 132 | 124 | 113 | 107 | 103 | 95 | 84 | 76 | 68 | 60 | 56 | 54 | 45 | 39 | 33 | 29 | 23 |

**GPD1436***M41****

| | Outdoor Ambient Temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 41.1 | 38.9 | 36.6 | 34.2 | 32.7 | 31.7 | 29.4 | 27.1 | 24.4 | 22.5 | 20.7 | 19.6 | 18.8 | 16.9 | 15.0 | 13.1 | 11.2 | 9.1 |
| T/R | 36.6 | 34.6 | 32.6 | 30.5 | 29.1 | 28.2 | 26.2 | 24.2 | 21.7 | 20.0 | 18.5 | 17.4 | 16.8 | 15.1 | 13.3 | 11.6 | 9.9 | 8.1 |
| kW | 2.86 | 2.80 | 2.74 | 2.69 | 2.65 | 2.63 | 2.57 | 2.51 | 2.52 | 2.46 | 2.40 | 2.37 | 2.34 | 2.28 | 2.22 | 2.17 | 2.11 | 2.05 |
| Amps | 14.7 | 13.7 | 12.9 | 12.2 | 11.8 | 11.6 | 11.1 | 10.6 | 10.2 | 9.8 | 9.4 | 9.2 | 9.1 | 8.7 | 8.2 | 7.8 | 7.3 | 6.7 |
| COP | 4.21 | 4.06 | 3.90 | 3.73 | 3.61 | 3.53 | 3.35 | 3.16 | 2.83 | 2.68 | 2.53 | 2.42 | 2.36 | 2.17 | 1.97 | 1.77 | 1.55 | 1.31 |
| EER | 14.4 | 13.9 | 13.3 | 12.7 | 12.3 | 12.1 | 11.4 | 10.8 | 9.7 | 9.2 | 8.6 | 8.3 | 8.0 | 7.4 | 6.7 | 6.0 | 5.3 | 4.5 |
| HI PR | 387 | 371 | 357 | 341 | 333 | 327 | 314 | 302 | 289 | 276 | 265 | 259 | 254 | 244 | 235 | 225 | 217 | 210 |
| LO PR | 137 | 127 | 119 | 109 | 103 | 99 | 91 | 81 | 73 | 66 | 58 | 54 | 52 | 44 | 38 | 32 | 28 | 22 |

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed. KW = Total system power
High pressure is measured at the liquid line access fitting. AMPS: Unit amps (comp.+ evaporator motor + condenser fan motor)
Low pressure is measured at the compressor suction access fitting.

**GPD1442***M41****

| | Outdoor Ambient Temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 52.9 | 50.0 | 47.1 | 44.0 | 42.1 | 40.7 | 37.8 | 34.9 | 30.1 | 27.8 | 25.6 | 24.2 | 23.3 | 20.9 | 18.5 | 16.1 | 13.8 | 11.3 |
| T/R | 35.0 | 33.1 | 31.1 | 29.1 | 27.8 | 27.0 | 25.0 | 23.1 | 19.9 | 18.4 | 16.9 | 16.0 | 15.4 | 13.8 | 12.2 | 10.7 | 9.1 | 7.5 |
| kW | 3.58 | 3.51 | 3.44 | 3.37 | 3.33 | 3.30 | 3.23 | 3.16 | 3.01 | 2.95 | 2.88 | 2.84 | 2.82 | 2.75 | 2.68 | 2.62 | 2.55 | 2.49 |
| Amps | 18.1 | 16.8 | 15.9 | 15.0 | 14.5 | 14.3 | 13.5 | 12.9 | 12.4 | 12.0 | 11.5 | 11.2 | 11.1 | 10.6 | 10.0 | 9.5 | 8.9 | 8.2 |
| COP | 4.33 | 4.18 | 4.01 | 3.82 | 3.70 | 3.61 | 3.43 | 3.23 | 2.92 | 2.76 | 2.60 | 2.49 | 2.42 | 2.22 | 2.02 | 1.80 | 1.58 | 1.33 |
| EER | 14.8 | 14.3 | 13.7 | 13.1 | 12.6 | 12.3 | 11.7 | 11.0 | 10.0 | 9.4 | 8.9 | 8.5 | 8.3 | 7.6 | 6.9 | 6.2 | 5.4 | 4.5 |
| HI PR | 414 | 397 | 382 | 365 | 357 | 350 | 336 | 323 | 309 | 295 | 283 | 277 | 272 | 261 | 251 | 241 | 232 | 224 |
| LO PR | 142 | 132 | 123 | 113 | 107 | 103 | 95 | 84 | 76 | 68 | 60 | 55 | 53 | 45 | 39 | 33 | 29 | 23 |

**GPD1448***M41****

| | Outdoor Ambient Temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 56.7 | 53.7 | 50.5 | 47.2 | 45.1 | 43.7 | 40.6 | 37.4 | 32.8 | 30.3 | 27.9 | 26.3 | 25.3 | 22.7 | 20.2 | 17.6 | 15.0 | 12.3 |
| T/R | 33.9 | 32.1 | 30.2 | 28.2 | 26.9 | 26.1 | 24.2 | 22.4 | 19.6 | 18.1 | 16.6 | 15.7 | 15.1 | 13.6 | 12.0 | 10.5 | 9.0 | 7.3 |
| kW | 3.92 | 3.85 | 3.77 | 3.70 | 3.65 | 3.62 | 3.55 | 3.48 | 3.31 | 3.24 | 3.17 | 3.12 | 3.10 | 3.02 | 2.95 | 2.88 | 2.81 | 2.74 |
| Amps | 19.4 | 18.1 | 17.1 | 16.2 | 15.7 | 15.4 | 14.6 | 14.0 | 13.5 | 12.9 | 12.4 | 12.2 | 12.0 | 11.5 | 10.9 | 10.3 | 9.7 | 8.9 |
| COP | 4.23 | 4.08 | 3.92 | 3.74 | 3.61 | 3.53 | 3.35 | 3.15 | 2.90 | 2.74 | 2.58 | 2.46 | 2.39 | 2.20 | 2.00 | 1.78 | 1.56 | 1.31 |
| EER | 14.5 | 14.0 | 13.4 | 12.8 | 12.3 | 12.1 | 11.4 | 10.8 | 9.9 | 9.3 | 8.8 | 8.4 | 8.2 | 7.5 | 6.8 | 6.1 | 5.3 | 4.5 |
| HI PR | 406 | 389 | 374 | 358 | 349 | 343 | 329 | 316 | 303 | 289 | 278 | 271 | 266 | 256 | 246 | 236 | 228 | 220 |
| LO PR | 132 | 122 | 115 | 105 | 99 | 96 | 88 | 78 | 71 | 63 | 55 | 52 | 50 | 42 | 36 | 31 | 27 | 21 |

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed. KW = Total system power
High pressure is measured at the liquid line access fitting. AMPS: Unit amps (comp.+ evaporator motor + condenser fan motor)
Low pressure is measured at the compressor suction access fitting.

**GPD1424060M41A* - RISE RANGE: 35° - 65°**

| UNIT STATIC | T1 - 1ST STAGE HEATING SPEED | | | T2 - 2ND STAGE HEATING SPEED | | | T3 - COOLING SPEED | | T4 - COOLING SPEED | | T5 - COOLING SPEED | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CFM | WATTS | RISE | CFM | WATTS | RISE | CFM | WATTS | CFM | WATTS | CFM | WATTS |
| 0.1 | 616 | 51 | 55 | 845 | 105 | 53 | 859 | 94 | 885 | 103 | 1048 | 140 |
| 0.2 | 581 | 60 | 58 | 809 | 116 | 56 | 810 | 102 | 836 | 111 | 999 | 148 |
| 0.3 | 535 | 69 | 63 | 774 | 124 | 58 | 761 | 109 | 788 | 118 | 950 | 155 |
| 0.4 | 476 | 79 | X | 736 | 134 | 61 | 713 | 117 | 740 | 126 | 901 | 163 |
| 0.5 | 422 | 87 | X | 695 | 140 | 65 | 664 | 125 | 692 | 134 | 852 | 171 |
| 0.6 | 365 | 95 | X | 646 | 148 | X | 615 | 133 | 643 | 142 | 803 | 179 |
| 0.7 | 334 | 101 | X | 580 | 161 | X | --- | --- | --- | --- | --- | --- |
| 0.8 | 300 | 103 | X | 532 | 167 | X | --- | --- | --- | --- | --- | --- |

**GPD143080M41A* - RISE RANGE: 35° - 65°**

| UNIT STATIC | T1 - 1ST STAGE HEATING SPEED | | | T2 - 2ND STAGE HEATING SPEED | | | T3 - COOLING SPEED | | T4 - COOLING SPEED | | T5 - COOLING SPEED | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CFM | WATTS | RISE | CFM | WATTS | RISE | CFM | WATTS | CFM | WATTS | CFM | WATTS |
| 0.1 | 997 | 147 | 45 | 1276 | 284 | 47 | 1059 | 137 | 1071 | 142 | 1333 | 234 |
| 0.2 | 965 | 155 | 47 | 1238 | 284 | 48 | 1008 | 144 | 1023 | 149 | 1285 | 242 |
| 0.3 | 922 | 165 | 49 | 1206 | 289 | 50 | 956 | 151 | 976 | 157 | 1237 | 250 |
| 0.4 | 886 | 173 | 51 | 1164 | 302 | 52 | 908 | 158 | 928 | 164 | 1189 | 257 |
| 0.5 | 835 | 182 | 54 | 1131 | 314 | 53 | 857 | 166 | 880 | 172 | 1141 | 265 |
| 0.6 | 781 | 188 | 58 | 1086 | 319 | 55 | 784 | 175 | 832 | 180 | 1094 | 273 |
| 0.7 | 731 | 200 | 62 | 1038 | 319 | 58 | 732 | 180 | 784 | 187 | --- | --- |
| 0.8 | 677 | 202 | X | 984 | 322 | 61 | 673 | 188 | 736 | 195 | --- | --- |

**GPD1436080M41A* - RISE RANGE: 35° - 65°**

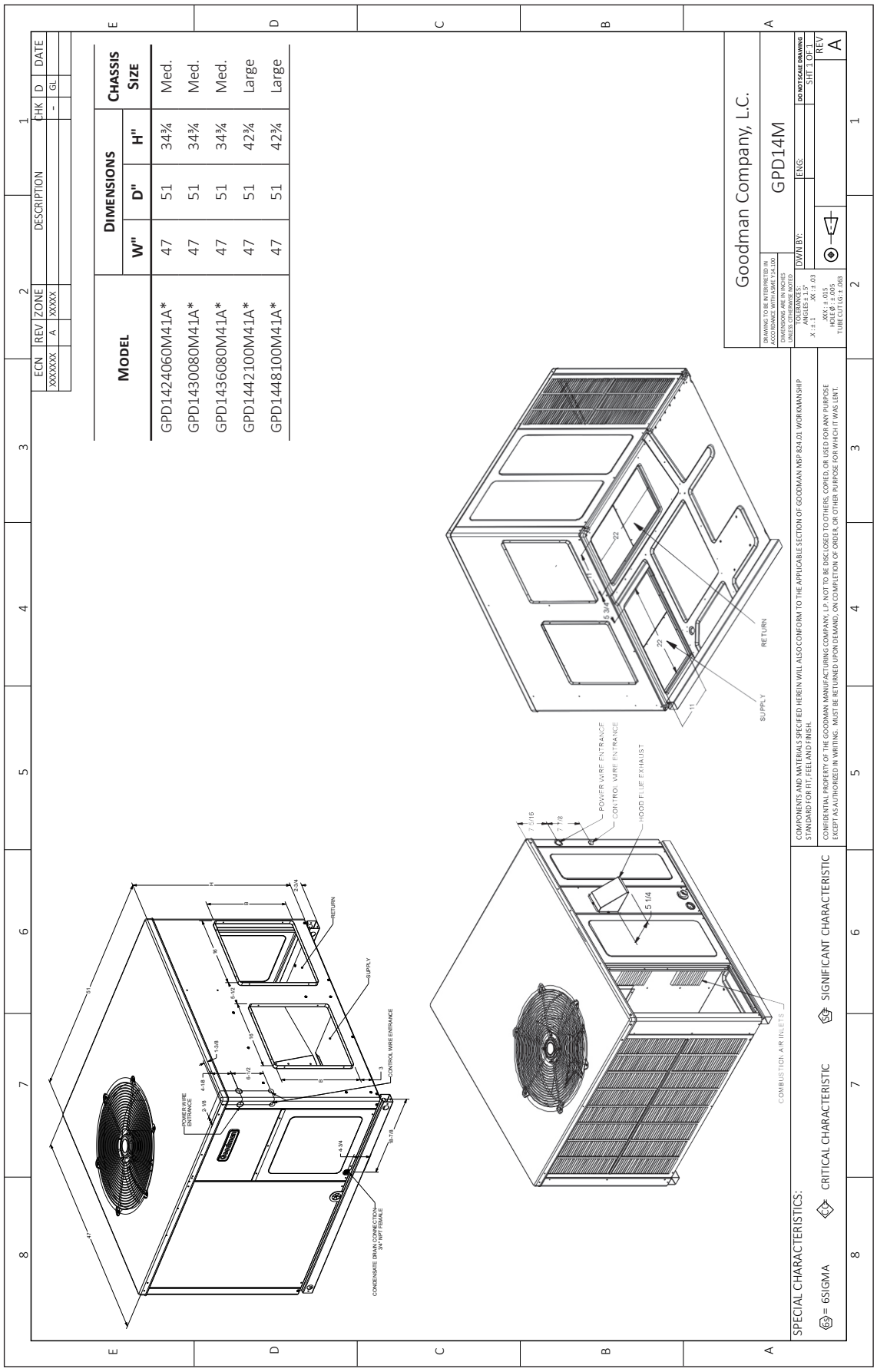
| UNIT STATIC | T1 - 1ST STAGE HEATING SPEED | | | T2 - 2ND STAGE HEATING SPEED | | | T3 - COOLING SPEED | | T4 - COOLING SPEED | | T5 - COOLING SPEED | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CFM | WATTS | RISE | CFM | WATTS | RISE | CFM | WATTS | CFM | WATTS | CFM | WATTS |
| 0.1 | 997 | 147 | 45 | 1276 | 284 | 47 | 1317 | 230 | 1317 | 230 | 1453 | 269 |
| 0.2 | 965 | 155 | 47 | 1238 | 284 | 48 | 1269 | 237 | 1269 | 237 | 1405 | 277 |
| 0.3 | 922 | 165 | 49 | 1206 | 289 | 50 | 1221 | 245 | 1221 | 245 | 1357 | 284 |
| 0.4 | 886 | 173 | 51 | 1164 | 302 | 52 | 1174 | 253 | 1174 | 253 | 1309 | 292 |
| 0.5 | 835 | 182 | 54 | 1131 | 314 | 53 | 1126 | 260 | 1126 | 260 | 1261 | 300 |
| 0.6 | 781 | 188 | 58 | 1086 | 319 | 55 | 1078 | 268 | 1078 | 268 | 1213 | 307 |
| 0.7 | 731 | 200 | 62 | 1038 | 319 | 58 | 1030 | 276 | 1030 | 276 | --- | --- |
| 0.8 | 677 | 202 | X | 984 | 322 | 61 | 982 | 283 | 982 | 283 | --- | --- |

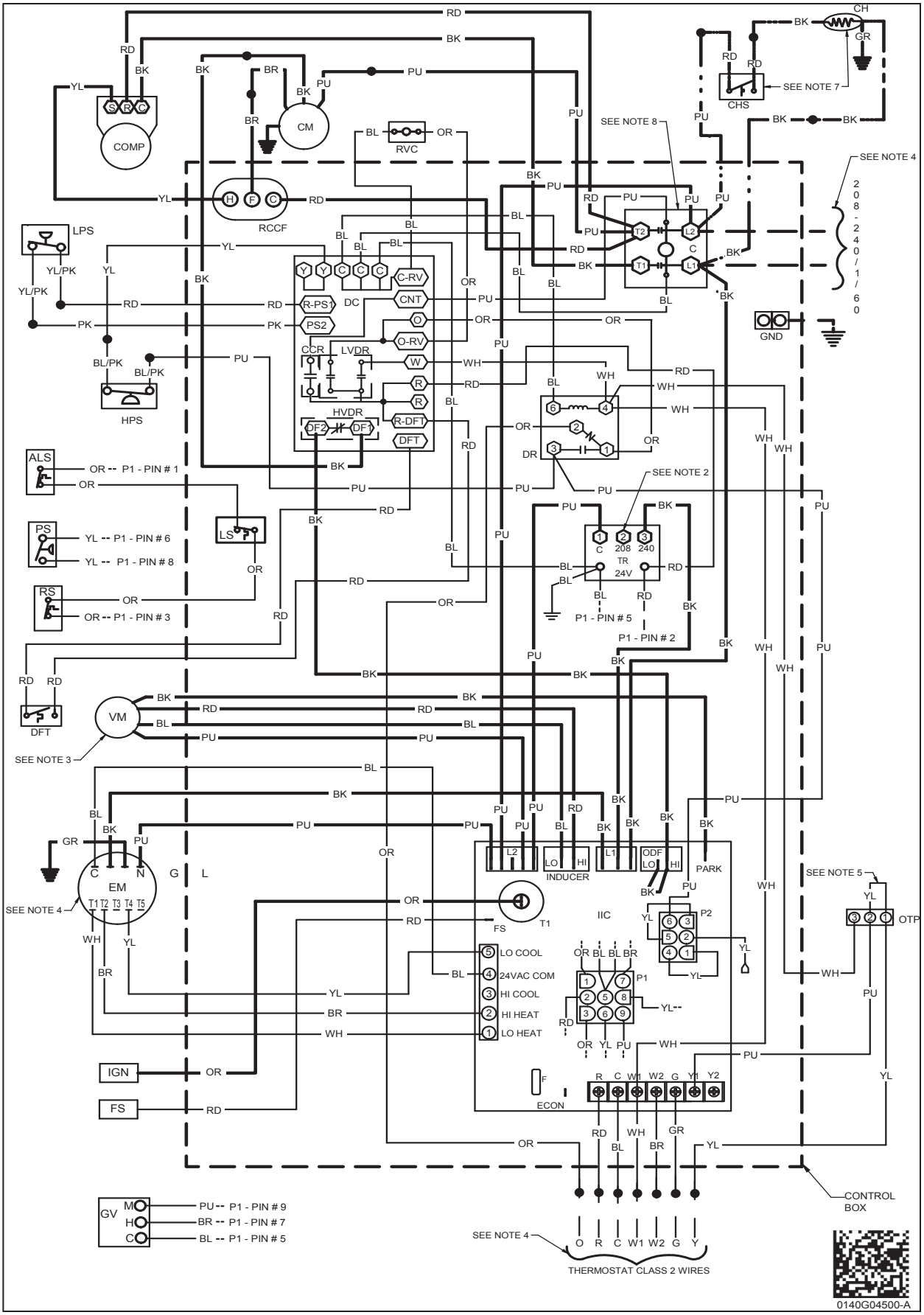
**GPD1442100M41A* - RISE RANGE: 35° - 65°**

| UNIT STATIC | T1 - 1ST STAGE HEATING SPEED | | | T2 - 2ND STAGE HEATING SPEED | | | T3 - COOLING SPEED | | T4 - COOLING SPEED | | T5 - COOLING SPEED | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CFM | WATTS | RISE | CFM | WATTS | RISE | CFM | WATTS | CFM | WATTS | CFM | WATTS |
| 0.1 | 1098 | 167 | 51 | 1423 | 324 | 53 | 1354 | 260 | 1501 | 320 | 1609 | 365 |
| 0.2 | 1038 | 178 | 54 | 1375 | 335 | 55 | 1296 | 267 | 1446 | 328 | 1556 | 373 |
| 0.3 | 991 | 184 | 57 | 1322 | 347 | 57 | 1237 | 275 | 1391 | 336 | 1504 | 381 |
| 0.4 | 932 | 192 | 60 | 1275 | 347 | 59 | 1178 | 283 | 1336 | 344 | 1451 | 388 |
| 0.5 | 871 | 204 | 65 | 1224 | 357 | 61 | 1120 | 291 | 1281 | 352 | 1399 | 396 |
| 0.6 | 811 | 213 | X | 1172 | 364 | 64 | 1061 | 299 | 1226 | 359 | 1347 | 404 |
| 0.7 | 753 | 210 | X | 1130 | 379 | X | 1002 | 306 | 1171 | 367 | 1294 | 412 |
| 0.8 | 704 | 221 | X | 1075 | 384 | X | 944 | 314 | 1116 | 375 | 1242 | 420 |

**GPD1448100M41A* - RISE RANGE: 35° - 65°**

| UNIT STATIC | T1 - 1ST STAGE HEATING SPEED | | | T2 - 2ND STAGE HEATING SPEED | | | T3 - COOLING SPEED | | T4 - COOLING SPEED | | T5 - COOLING SPEED | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CFM | WATTS | RISE | CFM | WATTS | RISE | CFM | WATTS | CFM | WATTS | CFM | WATTS |
| 0.1 | 1098 | 167 | 51 | 1423 | 324 | 53 | 1164 | 180 | 1397 | 315 | 1758 | 427 |
| 0.2 | 1038 | 178 | 54 | 1375 | 335 | 55 | 1100 | 188 | 1354 | 320 | 1709 | 435 |
| 0.3 | 991 | 184 | 57 | 1322 | 347 | 57 | 1037 | 196 | 1306 | 329 | 1660 | 443 |
| 0.4 | 932 | 192 | 60 | 1275 | 347 | 59 | 974 | 204 | 1261 | 338 | 1612 | 450 |
| 0.5 | 871 | 204 | 65 | 1224 | 357 | 61 | 910 | 212 | 1211 | 343 | 1563 | 458 |
| 0.6 | 811 | 213 | X | 1172 | 364 | 64 | 847 | 220 | 1168 | 356 | 1514 | 466 |
| 0.7 | 753 | 210 | X | 1130 | 379 | X | 784 | 227 | 1111 | 373 | 1466 | 474 |
| 0.8 | 704 | 221 | X | 1075 | 384 | X | 720 | 235 | 1066 | 373 | 1417 | 482 |

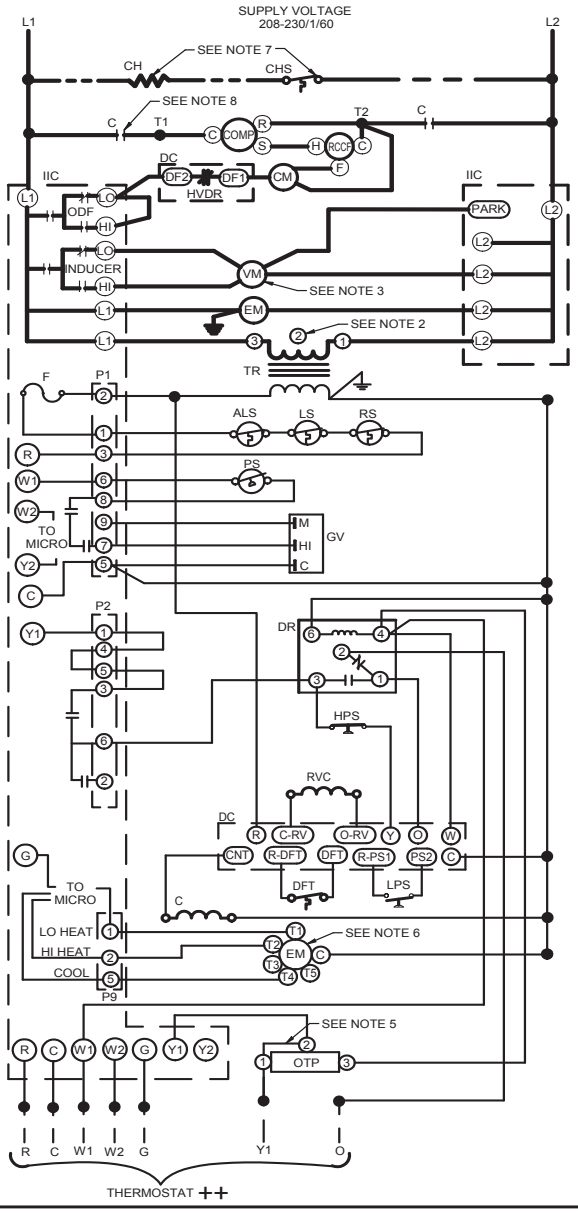

ECN
REV
ZONE
DESCRIPTION
CHK
D
DATE
XXXXXX
A
XXXX
-
GL
MODEL
DIMENSIONS
W"
D"
H"
CHASSIS SIZE
GPD1424060M41A* 47 51 34¾ Med.
GPD1430080M41A* 47 51 34¾ Med.
GPD1436080M41A* 47 51 34¾ Med.
GPD1442100M41A* 47 51 42¾ Large
GPD1448100M41A* 47 51 42¾ Large
Goodman Company, L.C.
GPD14M
DRAWN BY:
ENG:
SHT 1 OF 1
REV A
SPECIAL CHARACTERISTICS:
6σ = 6SIGMA
CC = CRITICAL CHARACTERISTIC
SC = SIGNIFICANT CHARACTERISTIC
COMPONENTS AND MATERIALS SPECIFIED HEREIN WILL ALSO CONFORM TO THE APPLICABLE SECTION OF GOODMAN MSP 824.01 WORKMANSHIP STANDARD FOR FIT, FEEL AND FINISH.
CONFIDENTIAL PROPERTY OF THE GOODMAN MANUFACTURING COMPANY, L.P. NOT TO BE DISCLOSED TO OTHERS, COPIED, OR USED FOR ANY PURPOSE EXCEPT AS AUTHORIZED IN WRITING. MUST BE RETURNED UPON DEMAND, ON COMPLETION OF ORDER, OR OTHER PURPOSE FOR WHICH IT WAS LENT.
POWER WIRE ENTRANCE
CONTROL WIRE ENTRANCE
HOOD FLUE EXHAUST
RETURN
SUPPLY
COMBUSTION AIR INLETS
CONDENSATE DRAIN CONNECTION 3/4" NPT FEMALE




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

***WARNING***

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




COMPONENT LEGEND

| | |
|---|---|
| ALS | AUXILLARY LIMIT SWITCH |
| C | CONTACTOR |
| CH | CRANKCASE HEATER |
| CHS | CRANKCASE HEATER SWITCH |
| CM | CONDENSER MOTOR |
| COMP | COMPRESSOR |
| DC | DEFROST CONTROL BOARD |
| DFT | DEFROST THERMOSTAT |
| DR | DEFROST RELAY |
| EM | EVAPORATOR MOTOR |
| F | FUSE |
| FS | FLAME SENSOR |
| GND | EQUIPMENT GROUND |
| GV | GAS VALVE |
| HPS | HIGH PRESSURE SWITCH |
| IIC | INTEGRATED IGNITION CONTROL |
| IGN | IGNITOR |
| LPS | LOW PRESSURE SWITCH |
| LS | LIMIT SWITCH |
| OTP | OUTDOOR THERMOSTAT PLUG |
| P1 | 9 PIN CONNECTOR PLUG |
| P2 | 6 PIN CONNECTOR PLUG |
| PS | PRESSURE SWITCH |
| RCCF | RUN CAPACITOR COMPRESSOR / FAN |
| RS | ROLLOUT SWITCH |
| RVC | REVERSING VALVE COIL |
| TR | TRANSFORMER |
| VM | VENT MOTOR |

FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

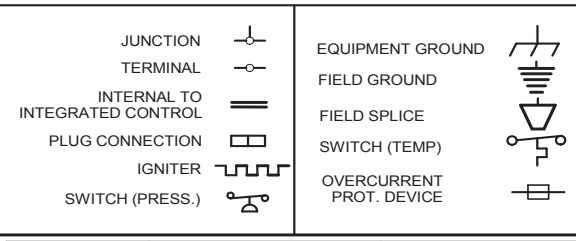
FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

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

NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (AT LEAST 105°C). USE COPPER CONDUCTOR ONLY.
2. FOR 208V TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
3. FOR 208V VENT MOTOR OPERATION, REMOVE BLUE LEAD FROM INDUCER LOW TERMINAL. MOVE BLACK LEAD FROM PARK TERMINAL TO INDUCER LOW TERMINAL, AND PLACE BLUE LEAD ON PARK.
4. USE COPPER CONDUCTORS ONLY.
   ++ USE NEC CLASS 2 WIRE.
5. FOR OUTDOOR THERMOSTAT, REMOVE PLUG FROM HARNESS AND CONNECT PLUG FROM OUTDOOR THERMOSTAT TO HARNESS.
6. TO CHANGE AIRFLOW MOVE YELLOW WIRE (COOLING / HEAT PUMP), WHITE WIRE (LOW STAGE GAS), OR BROWN WIRE (HIGH-STAGE GAS) TO SPEED TAP T1, T2, T3, T4, OR T5 AT EVAPORATOR MOTOR. REFER TO UNIT AIRFLOW TABLES FOR TO DETERMINE THE APPROPRIATE SPEED TAP FOR APPLICATION. UNITS SHIPPED WITH YELLOW, WHITE, AND BROWN ON T4, T1, AND T2 RESPECTIVELY.
7. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
8. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.




| DIAGNOSTIC LED - RED | STATUS | CHECK |
|---|---|---|
| ON | NORMAL OPERATION | - |
| OFF | NO POWER OR INTERNAL CONTROL FAULT | CHECK INPUT POWER<br>CHECK FUSE(S)<br>REPLACE CONTROL |
| 1 FLASH | IGNITION FAILURE | GAS FLOW<br>GAS PRESSURE<br>GAS VALVE<br>FLAME SENSOR |
| 2 FLASHES | PRESSURE SWITCH OPEN | CHECK PRESSURE SWITCH<br>CHECK TUBING<br>CHECK VENT MOTOR |
| 3 FLASHES | PRESSURE SWITCH CLOSED WITHOUT INDUCER ON | CHECK PRESSURE SWITCH<br>CHECK WIRING FOR SHORTS |
| 4 FLASHES | OPEN LIMIT SWITCH | CHECK MAIN LIMIT SWITCH<br>CHECK AUXILIARY LIMIT SW.<br>CHECK ROLLOUT LIMIT SW. |
| 5 FLASHES | FALSE FLAME DETECTED | CHECK GAS VALVE<br>CHECK FOR SHORTS IN FLAME SENSOR WIRING |
| 6 FLASHES | COMPR. SHORT CYCLE DELAY | 3 MIN COMP. SHORT CYCLE DELAY |

| DIAGNOSTIC LED - RED | STATUS | CHECK |
|---|---|---|
| 7 FLASHES | LIMIT OPEN 5 TIMES IN SAME CALL FOR HEAT | CHECK MAIN LIMIT SWITCH<br>CHECK AUXILIARY LIMIT SW. |
| 8 FLASHES | IDT/ODT OPEN | CHECK JUMPER BETWEEN 1 AND 4 ON 6-CIRCUIT CONNECTOR<br>CHECK OPTIONAL REFRIGERANT SWITCHES |
| 9 FLASHES | PSW/LOC OPEN | CHECK REFRIGERANT SWITCHES FOR LOSS OF CHARGE OR HIGH HEAD PRESSURE |

| DIAGNOSTIC LED - AMBER | STATUS | CHECK |
|---|---|---|
| OFF | NO FLAME PRESENT | - |
| ON | NORMAL FLAME PRESENT | - |
| 1 FLASH | LOW FLAME SIGNAL | GAS FLOW<br>GAS PRESSURE<br>GAS VALVE<br>FLAME SENSOR |
| 2 FLASHES | FALSE FLAME DETECTED | CHECK GAS VALVE<br>CHECK FOR SHORTS IN FLAME SENSOR WIRING |

0140G04501-A

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

***WARNING***

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

| Accessory Description | Item Number | |
|---|---|---|
| | Medium Chassis | Large Chassis |
| Concentric Kit | CDK36 | CDK4872 |
| Downflow Economizer | PGEDJ101/102 | PGEDJ103 |
| Downflow Internal Filter Rack (with economizer) | DDNIFRPGMM | N/A (built into economizer) |
| Downflow Internal Filter Rack (no economizer) | PGFR102 | PGFR103 |
| Downflow Manual Damper | PGMDD101/102 | PGMDD103 |
| Downflow Motorized Damper | PGMDMD101/102 | PGMDMD103 |
| Downflow Square to Round | SQRPG101/102 | SQRPG103 |
| Economizer Wiring Harness | 0259G00215 | 0259G00215 |
| External Horizontal Filter Rack | DPHFRA | DPHFRA |
| High-Altitude Kit | HA-03 | HA-03 |
| Horizontal Duct Cover | 20464501PDGK | 20464502PDGK |
| Horizontal Economizer | DHZECNJPGCHM | DHZECNJPGCHL |
| Horizontal Manual Damper | PGMDH102 | PGMDH103 |
| Horizontal Motorized Damper | PGMDMH102 | PGMDMH103 |
| Horizontal Square to Round | SQRPGH101/102 | SQRPGH103 |
| Internal Horizontal Filter Rack | DHZIFRPGCHA | DHZIFRPGCHA |
| LP Conversion Kit | LPM-08 | LPM-08 |
| Outdoor Thermostat with Housing | OTDFPKG-01 | OTDFPKG-01 |
| Roof Curb | D14CRBPGCHMA | D14CRBPGCHMA |

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