



PHX4

Product Specifications

14 SEER R-410A PACKAGE HEAT PUMP UNIT 2 to 5 TON

REFRIGERATION CIRCUIT

- All models are equipped with high efficiency two-stage Copeland UltraTech scroll compressor.
- Thermostatic Expansion Valve (TXV) on select models to control refrigerant flow.
- Variable Speed GE ECM 2.3 indoor motor with electronic speed controller on all models.
- High and Low Pressure Switches for excellent compressor protection.

BUILT TO LAST

- Galvanized-painted cabinet. One piece weather resistant top. Access panels for easy service. Side by side supply and return. Heavy gauge base rails.
- Triple-coated steel, consisting of a Polyester top coat, a urethane primer coat preceded by an oxide pretreatment.
- Integral base rails with fork-lift access on three sides. Holes provided for lifting lugs makes rooftop installation easier.
- The condenser coil has a sturdy wire inlet grille and UV rated vinyl mesh installed on the surface of the coil for additional protection.
- Advanced Air Management System for quieter operation.

EASY TO INSTALL AND SERVICE

- Combination electric cooling and electric heat, self contained for year-round comfort. Systems install on rooftop or ground level. The unit is shipped in the horizontal position and can easily be converted to downflow.
- Externally-mounted gauge ports allow for more accurate reading of operating conditions while servicing.
- Electrical controls located behind one exterior panel for easier maintenance.
- Comfort Alert™ UltraTech™ Diagnostics device on all models.
- Advanced electronic integrated defrost control switches quietly from cooling to heating.

ELECTRIC HEAT

- Slip in electrical heat from 5 to 20 kw, available as accessory.

WARRANTY*

- 7 year No Hassle Replacement™ limited warranty
 - 5 year parts limited warranty (including compressor and coils)
 - With timely registration, an additional 5 year parts limited warranty (including compressor and coils)
- *Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.



LISTED



As an Energy Star® Partner, International Comfort Products has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

UNIT PERFORMANCE DATA

| Model Number | COOLING | | HEATING | | | Unit Dimensions H x W x L * | Operating Weight |
|---------------|------------------------|---------|--------------------------|------|-------------------------|--------------------------------|------------------|
| | Nominal Capacity BTU/h | S.E.E.R | High Heat Capacity BTU/h | HSPF | Low Heat Capacity BTU/h | | |
| PHX424000K00A | 23,000 | 14.5 | 22,000 | 7.8 | 12,200 | 32-1/2 X 47-5/16 X 47-5/16 | 410 |
| PHX430000K00A | 29,000 | 14.5 | 28,000 | 7.8 | 15,200 | 32-1/2 X 47-5/16 X 47-5/16 | 410 |
| PHX436000K00A | 34,400 | 14.5 | 34,000 | 8.0 | 18,400 | 36 X 47-5/16 X 73 | 442 |
| PHX442000K00A | 41,000 | 14.5 | 41,000 | 8.0 | 22,000 | 36 X 47-5/16 X 73 | 568 |
| PHX448000K00A | 46,000 | 14.5 | 46,000 | 8.0 | 25,200 | 42 X 47-5/16 X 73 | 599 |
| PHX460000K00A | 58,000 | 14.5 | 57,000 | 8.0 | 32,400 | 42 X 47-5/16 X 73 | 624 |

* See unit dimensional drawings for mm.

UNIT SPECIFICATIONS

| MODEL NUMBER | Electrical Data 208/230-1-60 | | Condenser Data | | | | | | | | | Sound Ratings (dBa) |
|---------------|---------------------------------|--------------------------|------------------------------------|----------------------|------------------|-------------|----------------|-------------------|----------------------|-----------|-----------|------------------------|
| | Maximum HACR Breaker or Fuse | Minimum Circuit Ampacity | Coil | | | Fan Motor | | | Fan | | | |
| | | | Total Face Area (Ft ²) | Fins Per Inch / Rows | Tube Dia. (Inch) | Horse Power | Full Load Amps | Locked Rotor Amps | Size Diameter (Inch) | RPM (Max) | CFM (Max) | |
| PHX424000K00A | 30 amps | 21.8 | 11.40 | 18 / 2 | 3/8 | 1/8 | 0.9 | 1.6 | 20 | 825 | 2100 | 71 |
| PHX430000K00A | 35 amps | 22.8 | 11.46 | 18 / 2 | 3/8 | 1/8 | 0.9 | 1.6 | 20 | 825 | 2100 | 71 |
| PHX436000K00A | 45 amps | 29.7 | 12.99 | 18 / 2 | 3/8 | 1/8 | 0.9 | 1.7 | 20 | 1100 | 2600 | 73 |
| PHX442000K00A | 45 amps | 30.5 | 17.12 | 18 / 2 | 3/8 | 1/8 | 0.9 | 1.7 | 22 | 1100 | 3100 | 78 |
| PHX448000K00A | 60 amps | 38.0 | 20.14 | 18 / 2 | 3/8 | 1/4 | 1.4 | 3.2 | 22 | 1100 | 3400 | 77 |
| PHX460000K00A | 60 amps | 44.8 | 20.14 | 18 / 2 | 3/8 | 1/4 | 1.4 | 3.2 | 22 | 1100 | 3400 | 77 |

| MODEL NUMBER | Evaporator Coil | | | | | | | | | | Refrigerant Charge R-410 (lbs) | Shipping Weight (lbs) | |
|---------------|------------------------------------|----------------------|----------------------|-------------|----------------|-------------------|---------------|-----------|-----------|-----------------|-----------------------------------|--------------------------|-------------------|
| | Coil | | | Motor | | | Blower | | | Compressor | | | |
| | Total Face Area (Ft ²) | Fins Per Inch / Rows | Tube Diameter (Inch) | Horse Power | full Load Amps | No. of Speed Taps | Size (inches) | RPM (Max) | CFM Rated | Rated Load Amps | | | Locked Rotor Amps |
| PHX424000K00A | 3.56 | 14 / 4 | 3/8 | 1/2 | 4.3 | 5 | 10 x 8 | 1260 | 800 | 13.3 | 52 | 10.50 | 420 |
| PHX430000K00A | 3.56 | 14 / 4 | 3/8 | 1/2 | 4.3 | 5 | 10 x 8 | 1260 | 875 | 14.1 | 70 | 10.75 | 420 |
| PHX436000K00A | 6.17 | 14 / 3 | 3/8 | 1/2 | 4.3 | 4 | 11 x 9 | 1260 | 1200 | 19.6 | 82 | 11.75 | 442 |
| PHX442000K00A | 6.17 | 14 / 3 | 3/8 | 3/4 | 6.8 | 5 | 11 x 9 | 1260 | 1400 | 18.2 | 96 | 14.50 | 568 |
| PHX448000K00A | 6.17 | 14 / 3 | 3/8 | 3/4 | 6.8 | 5 | 11 x 10 | 1260 | 1600 | 23.8 | 96 | 15.00 | 599 |
| PHX460000K00A | 9.76 | 14 / 3 | 3/8 | 1.0 | 9.1 | 5 | 11 x 10 | 1260 | 1750 | 27.4 | 118 | 16.00 | 624 |

PERFORMANCE DATA: COOLING & HEATING

| MODEL NUMBER | Cooling Data | | | Heating Data | | | | | | Evaporator Rated Airflow (SCFM) |
|---------------|--|----------|--------|---------------------------------|---------------------------------|------|-------------|---------|-------|---------------------------------|
| | Rated Capacity ¹ BTU/h Cooling | S.E.E.R. | E.E.R. | Rated Capacity BTU/h @ 47° F | Rated Capacity BTU/h @ 17° F | HSPF | S / T Ratio | COP | | |
| | | | | | | | | @ 47° F | 17° F | |
| PHX424000K00A | 23,000 | 14.5 | 11.0 | 22,000 | 12,200 | 7.8 | 0.73 | 3.0 | 2.2 | 800 |
| PHX430000K00A | 29,000 | 14.5 | 11.0 | 28,000 | 15,200 | 7.8 | 0.73 | 3.3 | 2.2 | 1000 |
| PHX436000K00A | 34,400 | 14.5 | 11.0 | 34,000 | 18,400 | 8.0 | 0.73 | 3.5 | 2.4 | 1200 |
| PHX442000K00A | 41,000 | 14.5 | 11.0 | 41,000 | 22,000 | 8.0 | 0.73 | 3.6 | 2.3 | 1400 |
| PHX448000K00A | 46,000 | 14.5 | 11.0 | 46,000 | 25,200 | 8.0 | 0.73 | 3.3 | 2.3 | 1600 |
| PHX460000K00A | 58,000 | 14.5 | 11.0 | 57,000 | 32,400 | 8.0 | 0.73 | 3.4 | 2.4 | 1750 |

1 Rated Capacity @ 230 Volts. For applications at 208 volts deduct 1000 BTU/h.

ELECTRIC HEATER USAGE CHART

| EHBA Heater Model No's (Example: EHBA05KN) | | | | | | | | | |
|--|---------|---|-------|--|---|------|---|------|------|
| Without Circuit Breakers | 05KN | | 07KN | | | 10KN | | | |
| With Circuit Breakers | 05KB | | 07KB | | | 10KB | | 15KB | 20KB |
| Unit kW | 5kW | | 7.5kW | | | 10kW | | 15kW | 20kW |
| PHX4 | USED ON | | | | | | | | |
| 24 | X | X | | | X | | X | | |
| 30 | X | X | | | X | | X | X | |
| 36 | X | X | | | X | | X | X | |
| 42 | | X | | | X | | X | X | X |
| 48 | | X | | | X | | X | X | X |
| 60 | | X | | | X | | X | X | X |

PHX4 - ELECTRICAL DATA: ELECTRIC HEAT ACCESSORY

| HEATER MODEL | Used With | Supply Voltage | KW Rating | Nominal Heating BTUH | Supply Circuit No. | Heater Amps | Minimum Circuit Ampacity | Maximum Overcurrent Protective Device (Amps) |
|--------------|----------------|----------------|-----------|----------------------|--------------------|-------------|--------------------------|--|
| EHBA05KB | 2 to 5 Ton | 240-1-60 | 5.0 | 17,065 | L3 - L4 | 20.8 | 26.0 | 30 |
| | | 208-1-60 | 3.75 | 12,798 | L3 - L4 | 18.0 | 22.5 | 25 |
| EHBA05KN | 2 to 3 Ton | 240-1-60 | 5.0 | 17,065 | L3 - L4 | 20.8 | 26.0 | 30 |
| | | 208-1-60 | 3.75 | 12,798 | L3 - L4 | 18.0 | 22.5 | 25 |
| EHBA07KB | 2 to 5 Ton | 240-1-60 | 7.5 | 25,598 | L3-L4 | 31.3 | 39.1 | 40 |
| | | 208-1-60 | 5.6 | 19,113 | L3-L4 | 27.1 | 33.9 | 35 |
| EHBA10KB | 2 to 5 Ton | 240-1-60 | 10.0 | 34,130 | L3 - L4 | 41.7 | 52.1 | 60 |
| | | 208-1-60 | 7.5 | 25,598 | L3 - L4 | 36.2 | 45.3 | 45 |
| EHBA15KB | 2-1/2 to 5 Ton | 240-1-60 | 15.0 | 51,195 | L3 - L4 | 41.7 | 52.1 | 60 |
| | | | | | L5 - L6 | 20.8 | 26.0 | 30 |
| | | 208-1-60 | 11.25 | 38,567 | L3 - L4 | 36.2 | 45.3 | 45 |
| | | | | | L5 - L6 | 18.0 | 22.5 | 25 |
| EHBA20KB | 3-1/2 to 5 Ton | 240-1-60 | 20 | 68,260 | L3 - L4 | 41.7 | 52.1 | 60 |
| | | | | | L5 - L6 | 41.7 | 52.1 | 60 |
| | | 208-1-60 | 15.0 | 51,195 | L3 - L4 | 36.2 | 45.3 | 45 |
| | | | | | L5 - L6 | 36.2 | 45.3 | 45 |

AIRFLOW TABLE

| MODEL SIZE | COOLING | | | | | | | | | | | | HEATING (COMFORT MODE) | | | | | | Electric heat | | | | |
|------------|------------|------|------|-----------------|------|------|------------|------|------|-----------------|------|------|------------------------|------|------|------------|------|------|---------------|--------|-------|-------|-------|
| | 1st Stage | | | | | | 2nd Stage | | | | | | 1st Stage | | | 2nd Stage | | | 5 kW | 7.5 kW | 10 kW | 15 kW | 20 kW |
| | Rated SCFM | | | Dehum mode SCFM | | | Rated SCFM | | | Dehum mode SCFM | | | Rated SCFM | | | Rated SCFM | | | | | | | |
| | Low | Nom | High | Low | Nom | High | Low | Nom | High | Low | Nom | High | Low | Nom | High | Low | Nom | High | | | | | |
| 24 | 504 | 560 | 616 | 403 | 448 | 493 | 720 | 800 | 880 | 576 | 640 | 704 | 490 | 490 | 539 | 700 | 700 | 770 | 850 | 850 | 850 | - | - |
| 30 | 585 | 650 | 715 | 468 | 520 | 572 | 788 | 875 | 963 | 630 | 700 | 770 | 650 | 650 | 715 | 875 | 875 | 963 | 850 | 850 | 850 | 1150 | - |
| 36 | 765 | 850 | 935 | 612 | 680 | 748 | 1080 | 1200 | 1320 | 864 | 960 | 1056 | 746 | 746 | 821 | 1050 | 1050 | 1155 | 850 | 850 | 850 | 1150 | - |
| 42 | 878 | 975 | 1073 | 702 | 780 | 858 | 1260 | 1400 | 1540 | 1008 | 1120 | 1232 | 768 | 853 | 938 | 1103 | 1225 | 1348 | 850 | 850 | 850 | 1150 | 1550 |
| 48 | 990 | 1100 | 1210 | 792 | 880 | 968 | 1440 | 1600 | 1760 | 1152 | 1280 | 1408 | 998 | 998 | 1097 | 1450 | 1450 | 1595 | 850 | 850 | 850 | 1150 | 1550 |
| 60 | 1170 | 1300 | 1430 | 936 | 1040 | 1144 | 1575 | 1750 | 1925 | 1260 | 1400 | 1540 | 1170 | 1170 | 1287 | 1575 | 1575 | 1733 | 850 | 850 | 850 | 1150 | 1550 |

EXPANDED PERFORMANCE DATA

| CFM | | P-X424 (High Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|---|-------|-------|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | Outdoor Ambient Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | | |
| | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | | | | | |
| | | Entering Indoor Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| | | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 |
| 720 | MBH† | 22.16 | 22.85 | 23.34 | 25.10 | 27.60 | 26.28 | 20.38 | 20.61 | 21.03 | 22.63 | 24.90 | 19.41 | 19.42 | 19.78 | 21.30 | 23.45 | 18.36 | 18.36 | 18.36 | 18.46 | 19.89 | 21.91 | 21.91 | |
| | S/F† | 1.00 | 0.86 | 0.69 | 0.67 | 0.49 | 0.68 | 0.50 | 0.91 | 0.72 | 0.70 | 0.51 | 1.00 | 1.00 | 0.74 | 0.72 | 0.52 | 1.00 | 1.00 | 1.00 | 0.77 | 0.74 | 0.53 | 0.53 | |
| | AMPS* | 7.00 | 7.04 | 7.06 | 7.17 | 7.32 | 8.06 | 8.21 | 8.85 | 8.87 | 8.90 | 9.01 | 9.17 | 9.90 | 9.90 | 9.93 | 10.05 | 10.21 | 11.03 | 11.03 | 11.03 | 11.04 | 11.16 | 11.33 | |
| | HI PR | 282 | 284 | 285 | 288 | 293 | 326 | 327 | 372 | 373 | 374 | 378 | 384 | 424 | 424 | 425 | 430 | 435 | 481 | 481 | 481 | 482 | 486 | 491 | |
| 800 | LO PR | 129 | 133 | 135 | 145 | 159 | 147 | 161 | 137 | 137 | 141 | 150 | 164 | 139 | 139 | 141 | 152 | 166 | 144 | 144 | 144 | 144 | 154 | 168 | |
| | MBH† | 22.99 | 23.33 | 23.79 | 25.57 | 28.09 | 26.73 | 21.11 | 21.11 | 21.39 | 23.00 | 25.29 | 20.08 | 20.08 | 20.10 | 21.63 | 23.79 | 18.97 | 18.97 | 18.97 | 18.74 | 20.17 | 22.20 | 22.20 | |
| | S/F† | 1.00 | 0.90 | 0.72 | 0.69 | 0.51 | 0.71 | 0.51 | 0.92 | 0.73 | 0.71 | 0.51 | 1.00 | 1.00 | 0.77 | 0.75 | 0.54 | 1.00 | 1.00 | 1.00 | 0.80 | 0.77 | 0.55 | 0.55 | |
| | AMPS* | 7.09 | 7.11 | 7.14 | 7.25 | 7.39 | 7.99 | 8.02 | 8.13 | 8.28 | 8.33 | 8.28 | 8.95 | 8.95 | 8.97 | 9.09 | 9.25 | 10.00 | 10.00 | 10.00 | 11.13 | 11.11 | 11.23 | 11.40 | |
| 880 | HI PR | 284 | 285 | 286 | 289 | 294 | 327 | 327 | 328 | 332 | 337 | 374 | 374 | 426 | 426 | 431 | 436 | 483 | 483 | 483 | 483 | 487 | 492 | 492 | |
| | LO PR | 134 | 136 | 138 | 148 | 162 | 137 | 138 | 140 | 150 | 164 | 141 | 141 | 144 | 144 | 144 | 154 | 169 | 148 | 148 | 148 | 146 | 157 | 171 | |
| | MBH† | 23.72 | 23.77 | 24.15 | 25.95 | 28.50 | 22.76 | 22.76 | 22.95 | 24.66 | 27.09 | 21.74 | 21.74 | 20.66 | 20.66 | 20.36 | 21.89 | 24.07 | 19.50 | 19.50 | 18.96 | 20.40 | 22.44 | 22.44 | |
| | S/F† | 1.00 | 0.99 | 0.74 | 0.71 | 0.52 | 0.73 | 0.53 | 0.76 | 0.73 | 0.73 | 0.53 | 1.00 | 1.00 | 0.80 | 0.78 | 0.54 | 1.00 | 1.00 | 1.00 | 0.83 | 0.81 | 0.57 | 0.57 | |
| 880 | AMPS* | 7.19 | 7.19 | 7.21 | 7.32 | 7.46 | 8.08 | 8.09 | 8.20 | 8.36 | 8.36 | 9.05 | 9.05 | 10.10 | 10.10 | 10.07 | 10.19 | 10.36 | 11.23 | 11.23 | 11.18 | 11.30 | 11.47 | 11.47 | |
| | HI PR | 286 | 286 | 287 | 290 | 295 | 329 | 329 | 329 | 333 | 338 | 376 | 376 | 428 | 428 | 427 | 431 | 437 | 485 | 485 | 483 | 488 | 493 | 493 | |
| | LO PR | 138 | 139 | 140 | 151 | 165 | 142 | 142 | 142 | 153 | 167 | 145 | 145 | 169 | 149 | 146 | 157 | 171 | 152 | 152 | 148 | 159 | 173 | 173 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | P-X424 (Low Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | |
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | Outdoor Ambient Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | | |
| | | 75 | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | | | | | |
| | | Entering Indoor Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| | | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | |
| 500 | MBH† | 15.83 | 16.66 | 17.10 | 18.61 | 20.78 | 19.75 | 14.45 | 14.82 | 15.22 | 16.65 | 18.70 | 13.74 | 13.88 | 14.26 | 15.64 | 17.62 | 13.03 | 13.03 | 13.03 | 13.30 | 14.62 | 16.52 | 16.52 | |
| | S/F† | 1.00 | 0.85 | 0.69 | 0.65 | 0.49 | 0.67 | 0.50 | 0.90 | 0.72 | 0.68 | 0.50 | 1.00 | 1.00 | 0.74 | 0.72 | 0.51 | 1.00 | 1.00 | 1.00 | 0.76 | 0.72 | 0.52 | 0.52 | |
| | AMPS* | 4.88 | 4.91 | 4.92 | 4.96 | 5.01 | 5.57 | 5.60 | 5.62 | 5.68 | 5.75 | 6.34 | 6.37 | 6.39 | 6.48 | 6.58 | 7.22 | 7.23 | 7.27 | 7.27 | 7.39 | 8.24 | 8.59 | 8.59 | |
| | HI PR | 271 | 273 | 274 | 278 | 282 | 313 | 315 | 316 | 320 | 325 | 360 | 361 | 363 | 367 | 372 | 414 | 419 | 425 | 471 | 471 | 472 | 477 | 483 | 483 |
| 550 | LO PR | 127 | 132 | 135 | 144 | 157 | 131 | 135 | 137 | 147 | 160 | 149 | 163 | 139 | 140 | 142 | 152 | 165 | 143 | 143 | 143 | 145 | 154 | 168 | |
| | MBH† | 16.48 | 17.06 | 17.49 | 19.04 | 21.24 | 15.76 | 16.11 | 16.53 | 18.03 | 20.17 | 15.03 | 15.16 | 15.55 | 17.00 | 19.08 | 14.29 | 14.55 | 15.95 | 17.97 | 13.54 | 13.56 | 14.89 | 16.82 | |
| | S/F† | 1.00 | 0.88 | 0.70 | 0.67 | 0.50 | 0.69 | 0.51 | 0.91 | 0.72 | 0.69 | 0.51 | 1.00 | 1.00 | 0.76 | 0.73 | 0.52 | 1.00 | 1.00 | 1.00 | 0.79 | 0.75 | 0.53 | 0.53 | |
| | AMPS* | 4.94 | 4.96 | 4.97 | 5.01 | 5.05 | 5.64 | 5.66 | 5.67 | 5.73 | 5.79 | 6.42 | 6.43 | 6.45 | 6.54 | 6.63 | 7.31 | 7.33 | 7.45 | 7.58 | 8.34 | 8.34 | 8.49 | 8.65 | |
| 600 | HI PR | 273 | 274 | 275 | 279 | 283 | 315 | 316 | 317 | 321 | 326 | 362 | 362 | 364 | 368 | 373 | 415 | 415 | 420 | 426 | 473 | 473 | 478 | 484 | |
| | LO PR | 132 | 135 | 138 | 147 | 161 | 135 | 137 | 140 | 150 | 163 | 139 | 140 | 142 | 142 | 152 | 165 | 143 | 143 | 147 | 147 | 147 | 157 | 170 | |
| | MBH† | 17.07 | 17.40 | 17.83 | 19.39 | 21.63 | 16.32 | 16.44 | 16.83 | 18.35 | 20.52 | 15.56 | 15.56 | 15.78 | 16.22 | 17.29 | 19.40 | 14.78 | 14.78 | 14.80 | 13.99 | 13.77 | 15.13 | 17.08 | |
| | S/F† | 1.00 | 0.91 | 0.72 | 0.69 | 0.51 | 0.71 | 0.52 | 0.94 | 0.74 | 0.71 | 0.52 | 1.00 | 1.00 | 0.76 | 0.73 | 0.52 | 1.00 | 1.00 | 1.00 | 0.81 | 0.78 | 0.55 | 0.55 | |
| 600 | AMPS* | 5.00 | 5.01 | 5.02 | 5.06 | 5.09 | 5.70 | 5.71 | 5.73 | 5.78 | 5.84 | 6.50 | 6.50 | 6.51 | 6.59 | 6.68 | 7.40 | 7.39 | 7.51 | 7.63 | 8.44 | 8.41 | 8.55 | 8.71 | |
| | HI PR | 274 | 275 | 276 | 279 | 284 | 317 | 317 | 318 | 322 | 327 | 364 | 364 | 365 | 369 | 374 | 416 | 416 | 421 | 421 | 475 | 474 | 479 | 485 | |
| | LO PR | 136 | 138 | 140 | 150 | 163 | 139 | 140 | 142 | 152 | 165 | 143 | 143 | 144 | 144 | 154 | 168 | 147 | 147 | 147 | 151 | 149 | 159 | 172 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

† Total capacities are net (I.D blower heat subtracted).

* System amps are total of indoor and outdoor amps

‡ S/T are based on 80° F db entering air at the indoor coil. For sensible capacities at other than 80° F db, deduct 835 BTU/h per 1000 cfm of indoor coil air from (MBh x S/T) for each degree below 80° F, or add 835 BTU/h per 1000 cfm of indoor coil air to (MBh x S/T) for each degree above 80° F

†† All TVA rating indoor condition (75° F db/ 63° F wb). All other indoor air temperatures are at 80° F db

EXPANDED PERFORMANCE DATA

| | | P-X430 (High Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | | | | | | | |
| CFM | | Entering Indoor Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 57 | 62 | 63†† | 67 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 63†† | 67 | 72 | 72 | 72 | 63†† | 67 | 72 | 72 | 62 | 57 | 62 | 63†† | 67 | 72 |
| 787 | MBH† | 27.07 | 28.40 | 29.01 | 31.13 | 34.12 | 26.05 | 27.07 | 27.65 | 29.67 | 32.51 | 24.95 | 25.67 | 26.21 | 28.12 | 30.82 | 23.78 | 24.19 | 24.68 | 26.48 | 29.03 | 22.50 | 22.62 | 23.05 | 24.73 | 27.11 | |
| | S/T† | 1.00 | 0.86 | 0.70 | 0.67 | 0.50 | 1.00 | 0.88 | 0.71 | 0.68 | 0.51 | 1.00 | 0.90 | 0.72 | 0.69 | 0.52 | 1.00 | 0.93 | 0.74 | 0.71 | 0.52 | 1.00 | 0.96 | 0.76 | 0.73 | 0.54 | |
| | AMPS* | 8.88 | 8.96 | 8.99 | 9.13 | 9.31 | 9.86 | 9.93 | 9.96 | 10.10 | 10.30 | 10.94 | 11.00 | 11.00 | 11.18 | 11.39 | 12.16 | 12.20 | 12.23 | 12.39 | 12.60 | 13.54 | 13.55 | 13.58 | 13.74 | 13.96 | |
| | HI PR | 296 | 300 | 301 | 306 | 313 | 340 | 343 | 345 | 350 | 357 | 389 | 391 | 392 | 398 | 406 | 442 | 443 | 444 | 450 | 458 | 499 | 500 | 501 | 501 | 507 | 515 |
| | LO PR | 121 | 127 | 129 | 139 | 153 | 124 | 129 | 131 | 141 | 155 | 127 | 131 | 133 | 144 | 157 | 131 | 133 | 136 | 146 | 160 | 135 | 136 | 138 | 149 | 163 | |
| 875 | MBH† | 28.11 | 29.01 | 29.60 | 31.74 | 34.76 | 27.02 | 27.62 | 28.17 | 30.21 | 33.09 | 25.85 | 26.17 | 26.67 | 29.00 | 31.32 | 24.60 | 24.66 | 25.08 | 26.90 | 29.46 | 23.25 | 23.25 | 23.39 | 25.08 | 27.48 | |
| | S/T† | 1.00 | 0.89 | 0.72 | 0.69 | 0.51 | 1.00 | 0.91 | 0.73 | 0.70 | 0.52 | 1.00 | 0.94 | 0.75 | 0.72 | 0.53 | 1.00 | 0.99 | 0.77 | 0.74 | 0.54 | 1.00 | 1.00 | 0.79 | 0.77 | 0.55 | |
| | AMPS* | 9.02 | 9.08 | 9.11 | 9.25 | 9.44 | 10.01 | 10.05 | 10.08 | 10.22 | 10.42 | 11.10 | 11.12 | 11.15 | 11.30 | 11.51 | 12.32 | 12.32 | 12.35 | 12.51 | 12.72 | 13.70 | 13.69 | 13.70 | 13.86 | 14.08 | |
| | HI PR | 299 | 301 | 302 | 308 | 315 | 343 | 345 | 346 | 352 | 359 | 392 | 393 | 394 | 400 | 407 | 445 | 445 | 446 | 452 | 460 | 502 | 502 | 502 | 508 | 516 | |
| | LO PR | 126 | 130 | 132 | 142 | 156 | 129 | 132 | 134 | 144 | 158 | 132 | 134 | 136 | 146 | 160 | 136 | 137 | 138 | 149 | 163 | 140 | 140 | 141 | 151 | 165 | |
| 962 | MBH† | 29.01 | 29.51 | 30.07 | 32.23 | 35.27 | 27.86 | 28.10 | 28.59 | 30.64 | 33.54 | 26.63 | 26.64 | 27.04 | 28.98 | 31.72 | 25.31 | 25.31 | 25.40 | 27.22 | 29.80 | 23.89 | 23.89 | 23.66 | 25.36 | 27.77 | |
| | S/T† | 1.00 | 0.93 | 0.74 | 0.71 | 0.52 | 1.00 | 0.95 | 0.75 | 0.73 | 0.53 | 1.00 | 1.00 | 0.77 | 0.75 | 0.54 | 1.00 | 1.00 | 0.80 | 0.77 | 0.55 | 1.00 | 1.00 | 0.82 | 0.80 | 0.57 | |
| | AMPS* | 9.16 | 9.19 | 9.22 | 9.36 | 9.55 | 10.15 | 10.16 | 10.19 | 10.34 | 10.54 | 11.24 | 11.24 | 11.27 | 11.42 | 11.62 | 12.46 | 12.46 | 12.46 | 12.62 | 12.84 | 13.84 | 13.84 | 13.81 | 13.97 | 14.19 | |
| | HI PR | 301 | 303 | 304 | 309 | 316 | 346 | 346 | 347 | 353 | 361 | 394 | 394 | 395 | 401 | 409 | 447 | 447 | 447 | 453 | 461 | 505 | 505 | 504 | 509 | 517 | |
| | LO PR | 130 | 133 | 135 | 145 | 159 | 134 | 135 | 137 | 147 | 161 | 137 | 137 | 139 | 149 | 163 | 141 | 141 | 141 | 151 | 165 | 145 | 145 | 144 | 153 | 168 | |
| | | P-X430 (Low Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | 85 | | | | 95 | | | | 105 | | | | 115 | | | | | | | | | |
| CFM | | Entering Indoor Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 57 | 62 | 63†† | 67 | 72 | 72 | 72 | 72 | 72 | 72 | 63†† | 67 | 72 | 72 | 72 | 63†† | 67 | 72 | 72 | 62 | 57 | 62 | 63†† | 67 | 72 | |
| 580 | MBH† | 18.92 | 20.33 | 20.85 | 22.65 | 25.21 | 18.22 | 19.37 | 19.87 | 21.60 | 24.06 | 17.45 | 18.34 | 18.81 | 20.46 | 22.82 | 16.62 | 17.22 | 17.67 | 19.24 | 21.49 | 15.72 | 16.03 | 16.45 | 17.94 | 20.07 | |
| | S/T† | 1.00 | 0.90 | 0.73 | 0.70 | 0.53 | 1.00 | 0.92 | 0.75 | 0.71 | 0.54 | 1.00 | 0.94 | 0.76 | 0.73 | 0.54 | 1.00 | 0.97 | 0.78 | 0.74 | 0.55 | 1.00 | 1.01 | 0.80 | 0.76 | 0.56 | |
| | AMPS* | 6.07 | 6.14 | 6.16 | 6.25 | 6.38 | 6.88 | 6.94 | 6.97 | 7.06 | 7.19 | 7.82 | 7.87 | 7.90 | 8.00 | 8.13 | 8.92 | 8.96 | 8.98 | 9.09 | 9.22 | 10.21 | 10.23 | 10.26 | 10.37 | 10.51 | |
| | HI PR | 280 | 284 | 285 | 290 | 296 | 323 | 326 | 328 | 333 | 340 | 370 | 373 | 375 | 380 | 388 | 422 | 424 | 426 | 432 | 439 | 479 | 481 | 482 | 488 | 496 | |
| | LO PR | 119 | 126 | 129 | 138 | 150 | 122 | 128 | 131 | 140 | 153 | 126 | 131 | 133 | 143 | 156 | 130 | 134 | 136 | 146 | 159 | 135 | 136 | 139 | 148 | 162 | |
| 650 | MBH† | 19.87 | 20.94 | 21.47 | 23.31 | 25.94 | 19.12 | 19.93 | 20.43 | 22.20 | 24.71 | 18.30 | 18.84 | 19.31 | 21.00 | 23.40 | 17.41 | 17.68 | 18.11 | 19.72 | 22.01 | 16.44 | 16.46 | 16.83 | 18.35 | 20.51 | |
| | S/T† | 1.00 | 0.93 | 0.75 | 0.72 | 0.54 | 1.00 | 0.96 | 0.77 | 0.73 | 0.55 | 1.00 | 0.98 | 0.78 | 0.75 | 0.55 | 1.00 | 1.01 | 0.81 | 0.77 | 0.56 | 1.00 | 1.00 | 0.83 | 0.80 | 0.58 | |
| | AMPS* | 6.17 | 6.22 | 6.24 | 6.34 | 6.46 | 6.98 | 7.03 | 7.05 | 7.15 | 7.27 | 7.92 | 7.96 | 7.98 | 8.08 | 8.21 | 9.02 | 9.04 | 9.07 | 9.17 | 9.31 | 10.32 | 10.32 | 10.34 | 10.45 | 10.59 | |
| | HI PR | 283 | 285 | 287 | 292 | 298 | 326 | 328 | 329 | 335 | 342 | 373 | 375 | 376 | 382 | 390 | 425 | 426 | 428 | 433 | 441 | 483 | 483 | 484 | 490 | 498 | |
| | LO PR | 124 | 130 | 132 | 141 | 154 | 127 | 132 | 134 | 144 | 157 | 131 | 134 | 136 | 146 | 159 | 135 | 137 | 139 | 149 | 162 | 139 | 140 | 142 | 151 | 165 | |
| 715 | MBH† | 20.67 | 21.43 | 21.94 | 23.82 | 26.49 | 19.86 | 20.37 | 20.86 | 22.66 | 25.21 | 18.99 | 19.25 | 19.69 | 21.41 | 23.85 | 18.05 | 18.07 | 18.45 | 20.08 | 22.39 | 17.03 | 17.03 | 17.12 | 18.66 | 20.85 | |
| | S/T† | 1.00 | 0.96 | 0.77 | 0.74 | 0.55 | 1.00 | 0.99 | 0.79 | 0.76 | 0.56 | 1.00 | 1.02 | 0.81 | 0.77 | 0.57 | 1.00 | 1.00 | 0.83 | 0.80 | 0.58 | 1.00 | 1.00 | 0.86 | 0.82 | 0.59 | |
| | AMPS* | 6.25 | 6.29 | 6.32 | 6.41 | 6.54 | 7.07 | 7.10 | 7.12 | 7.22 | 7.35 | 8.01 | 8.03 | 8.05 | 8.15 | 8.29 | 9.11 | 9.11 | 9.14 | 9.24 | 9.38 | 10.41 | 10.41 | 10.41 | 10.52 | 10.66 | |
| | HI PR | 285 | 287 | 288 | 293 | 300 | 328 | 330 | 331 | 336 | 344 | 376 | 376 | 378 | 383 | 391 | 428 | 428 | 429 | 435 | 443 | 485 | 485 | 485 | 491 | 499 | |
| | LO PR | 129 | 132 | 135 | 144 | 157 | 132 | 134 | 137 | 146 | 160 | 135 | 137 | 139 | 149 | 162 | 139 | 139 | 141 | 151 | 165 | 144 | 144 | 144 | 154 | 167 | |

† Total capacities are net (I.D blower heat subtracted).

* System amps are total of indoor and outdoor amps

† S/T are based on 80° F db entering air at the indoor coil. For sensible capacities at other than 80° F db, deduct 835 BTU/h per 1000 cfm of indoor coil air from (MBh x S/T) for each degree below 80° F, or add 835 BTU/h per 1000 cfm of indoor coil air to (MBh x S/T) for each degree above 80° F

†† All TVA rating indoor condition (75° F db/ 63° F wb). All other indoor air temperatures are at 80° F db

EXPANDED PERFORMANCE DATA

| CFM | | P-X436 (High Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|-----|----|----|
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 75 | | | | | 85 | | | | | 95 | | | | | 105 | | 115 | | | | | | | | | | | |
| Entering Indoor Temperature - Degrees F, Wet Bulb | | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 |
| 1080 | MBHT | 33.33 | 34.47 | 35.23 | 38.02 | 41.96 | 31.95 | 32.69 | 33.40 | 36.07 | 39.85 | 30.49 | 30.85 | 31.49 | 34.04 | 37.65 | 28.95 | 28.98 | 29.50 | 31.92 | 35.36 | 27.31 | 27.41 | 29.69 | 32.94 | | | | | |
| | S/T† | 1.00 | 0.86 | 0.69 | 0.66 | 0.49 | 1.00 | 0.88 | 0.70 | 0.68 | 0.50 | 1.00 | 0.91 | 0.72 | 0.69 | 0.51 | 1.00 | 1.00 | 0.74 | 0.71 | 0.52 | 1.00 | 0.77 | 0.74 | 0.53 | | | | | |
| | AMPS* | 10.59 | 10.62 | 10.64 | 10.72 | 10.82 | 11.94 | 11.96 | 11.98 | 12.07 | 12.18 | 13.41 | 13.43 | 13.45 | 13.66 | 15.03 | 15.05 | 15.15 | 15.28 | 16.79 | 16.79 | 16.79 | 16.79 | 16.90 | 17.04 | | | | | |
| | HI PR | 281 | 283 | 284 | 287 | 292 | 324 | 325 | 326 | 330 | 335 | 371 | 372 | 373 | 377 | 382 | 424 | 428 | 434 | 480 | 480 | 481 | 481 | 485 | 490 | | | | | |
| | LO PR | 127 | 130 | 133 | 143 | 156 | 130 | 133 | 135 | 145 | 158 | 134 | 135 | 137 | 147 | 161 | 138 | 138 | 140 | 150 | 163 | 142 | 142 | 152 | 166 | | | | | |
| 1200 | MBHT | 34.59 | 35.19 | 35.91 | 38.73 | 42.73 | 33.12 | 33.37 | 34.00 | 36.71 | 40.54 | 31.58 | 31.57 | 32.02 | 34.40 | 38.25 | 29.96 | 29.96 | 29.97 | 32.41 | 35.88 | 28.23 | 27.81 | 30.11 | 33.39 | | | | | |
| | S/T† | 1.00 | 0.89 | 0.71 | 0.68 | 0.50 | 1.00 | 0.92 | 0.73 | 0.70 | 0.51 | 1.00 | 1.00 | 0.75 | 0.72 | 0.52 | 1.00 | 1.00 | 0.77 | 0.74 | 0.53 | 1.00 | 0.80 | 0.77 | 0.55 | | | | | |
| | AMPS* | 10.74 | 10.76 | 10.78 | 10.85 | 10.95 | 12.09 | 12.10 | 12.12 | 12.20 | 12.31 | 13.57 | 13.57 | 13.58 | 13.67 | 13.79 | 15.19 | 15.19 | 15.19 | 15.29 | 15.41 | 16.95 | 16.93 | 17.04 | 17.17 | | | | | |
| | HI PR | 283 | 284 | 285 | 288 | 293 | 326 | 326 | 327 | 331 | 336 | 373 | 373 | 374 | 378 | 383 | 425 | 425 | 425 | 429 | 435 | 482 | 481 | 486 | 491 | | | | | |
| | LO PR | 131 | 133 | 135 | 145 | 159 | 135 | 136 | 138 | 148 | 161 | 138 | 138 | 140 | 150 | 163 | 142 | 142 | 142 | 142 | 152 | 166 | 147 | 144 | 155 | 168 | | | | |
| 1320 | MBHT | 35.70 | 35.85 | 36.45 | 39.31 | 43.36 | 34.15 | 34.15 | 34.49 | 37.22 | 41.10 | 32.53 | 32.53 | 32.46 | 35.05 | 38.74 | 30.83 | 30.83 | 30.35 | 32.80 | 36.30 | 29.02 | 28.14 | 30.45 | 33.74 | | | | | |
| | S/T† | 1.00 | 0.93 | 0.73 | 0.71 | 0.51 | 1.00 | 1.00 | 0.75 | 0.73 | 0.52 | 1.00 | 1.00 | 0.78 | 0.75 | 0.54 | 1.00 | 1.00 | 0.80 | 0.77 | 0.55 | 1.00 | 0.83 | 0.80 | 0.56 | | | | | |
| | AMPS* | 10.89 | 10.89 | 10.91 | 10.98 | 11.08 | 12.24 | 12.24 | 12.24 | 12.33 | 12.44 | 13.72 | 13.72 | 13.72 | 13.81 | 13.92 | 15.34 | 15.34 | 15.34 | 15.32 | 15.42 | 17.11 | 17.11 | 17.06 | 17.30 | | | | | |
| | HI PR | 284 | 285 | 285 | 289 | 294 | 328 | 328 | 328 | 332 | 337 | 375 | 375 | 375 | 379 | 384 | 427 | 427 | 426 | 430 | 436 | 484 | 482 | 486 | 492 | | | | | |
| | LO PR | 136 | 136 | 138 | 148 | 161 | 139 | 139 | 140 | 150 | 163 | 143 | 143 | 142 | 152 | 166 | 146 | 146 | 144 | 154 | 168 | 151 | 151 | 146 | 157 | 170 | | | | |

| CFM | | P-X436 (Low Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----|-----|----|----|
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 75 | | | | | 85 | | | | | 95 | | | | | 105 | | 115 | | | | | | | | | | | |
| Entering Indoor Temperature - Degrees F, Wet Bulb | | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 | 72 | 57 | 62 | 63† | 67 | 72 |
| 770 | MBHT | 23.90 | 24.67 | 25.29 | 27.48 | 30.64 | 22.75 | 23.18 | 23.75 | 25.84 | 28.85 | 21.57 | 21.67 | 22.18 | 24.17 | 27.05 | 20.35 | 20.35 | 20.57 | 22.46 | 25.19 | 19.08 | 18.92 | 20.69 | 23.26 | | | | | |
| | S/T† | 1.00 | 0.89 | 0.71 | 0.68 | 0.51 | 1.00 | 0.92 | 0.73 | 0.70 | 0.51 | 1.00 | 0.95 | 0.75 | 0.72 | 0.52 | 1.00 | 1.00 | 0.78 | 0.75 | 0.54 | 1.00 | 0.81 | 0.78 | 0.55 | | | | | |
| | AMPS* | 6.27 | 6.09 | 5.96 | 5.43 | 4.69 | 7.66 | 7.57 | 7.45 | 6.96 | 6.27 | 9.19 | 9.17 | 9.07 | 8.60 | 7.95 | 10.87 | 10.87 | 10.84 | 10.40 | 9.77 | 12.75 | 12.75 | 12.40 | 11.81 | | | | | |
| | HI PR | 272 | 273 | 274 | 276 | 279 | 316 | 316 | 317 | 320 | 324 | 363 | 363 | 363 | 364 | 367 | 371 | 417 | 417 | 417 | 420 | 424 | 477 | 476 | 480 | 484 | | | | |
| | LO PR | 131 | 135 | 137 | 147 | 160 | 135 | 137 | 140 | 149 | 163 | 140 | 140 | 142 | 152 | 166 | 144 | 144 | 145 | 155 | 168 | 149 | 149 | 148 | 158 | 171 | | | | |
| 850 | MBHT | 24.83 | 25.22 | 25.80 | 28.04 | 31.26 | 23.61 | 23.69 | 24.20 | 26.33 | 29.41 | 22.37 | 22.37 | 22.58 | 24.60 | 27.53 | 21.08 | 21.08 | 20.92 | 22.83 | 25.60 | 19.74 | 19.74 | 21.01 | 23.62 | | | | | |
| | S/T† | 1.00 | 0.93 | 0.74 | 0.70 | 0.52 | 1.00 | 0.99 | 0.76 | 0.72 | 0.53 | 1.00 | 1.00 | 0.78 | 0.75 | 0.54 | 1.00 | 1.00 | 0.81 | 0.78 | 0.55 | 1.00 | 0.85 | 0.81 | 0.57 | | | | | |
| | AMPS* | 6.11 | 6.02 | 5.89 | 5.35 | 4.60 | 7.52 | 7.50 | 7.40 | 6.90 | 6.19 | 9.06 | 9.06 | 9.03 | 8.56 | 7.88 | 10.76 | 10.76 | 10.82 | 10.37 | 9.73 | 12.66 | 12.66 | 12.38 | 11.78 | | | | | |
| | HI PR | 274 | 274 | 275 | 277 | 280 | 317 | 317 | 318 | 321 | 324 | 365 | 365 | 365 | 368 | 372 | 418 | 418 | 418 | 421 | 425 | 478 | 477 | 480 | 484 | | | | | |
| | LO PR | 136 | 137 | 140 | 150 | 163 | 140 | 140 | 142 | 152 | 166 | 144 | 144 | 144 | 145 | 155 | 168 | 148 | 148 | 147 | 157 | 171 | 153 | 150 | 160 | 174 | | | | |
| 940 | MBHT | 25.76 | 25.79 | 26.28 | 28.56 | 31.84 | 24.48 | 24.48 | 24.62 | 26.79 | 29.92 | 23.16 | 23.16 | 22.95 | 25.00 | 27.97 | 21.81 | 21.81 | 21.24 | 23.18 | 25.98 | 20.39 | 20.39 | 21.30 | 23.94 | | | | | |
| | S/T† | 1.00 | 1.00 | 0.76 | 0.73 | 0.53 | 1.00 | 1.00 | 0.78 | 0.75 | 0.54 | 1.00 | 1.00 | 0.81 | 0.78 | 0.55 | 1.00 | 1.00 | 0.84 | 0.81 | 0.57 | 1.00 | 1.00 | 0.88 | 0.85 | 0.59 | | | | |
| | AMPS* | 5.94 | 5.94 | 5.84 | 5.28 | 4.52 | 7.38 | 7.38 | 7.37 | 6.85 | 6.13 | 8.94 | 8.94 | 9.01 | 8.52 | 7.84 | 10.66 | 10.66 | 10.81 | 10.35 | 9.69 | 12.57 | 12.57 | 12.30 | 11.76 | | | | | |
| | HI PR | 275 | 275 | 275 | 277 | 280 | 318 | 318 | 318 | 321 | 325 | 366 | 366 | 366 | 369 | 373 | 419 | 419 | 418 | 422 | 426 | 479 | 478 | 481 | 485 | | | | | |
| | LO PR | 140 | 140 | 142 | 152 | 166 | 144 | 144 | 144 | 155 | 168 | 148 | 148 | 148 | 147 | 157 | 171 | 152 | 152 | 149 | 159 | 173 | 157 | 152 | 162 | 176 | | | | |

† Total capacities are net (I.D blower heat subtracted).

* System amps are total of indoor and outdoor amps

‡ S/T are based on 80° F db entering air at the indoor coil. For sensible capacities at other than 80° F db, deduct 835 BTU/h per 1000 cfm of indoor coil air from (MBh x S/T) for each degree below 80° F, or add 835 BTU/h per 1000 cfm of indoor coil air to (MBh x S/T) for each degree above 80° F

†† All TVA rating indoor condition (75° F db/ 63° F wb). All other indoor air temperatures are at 80° F db

EXPANDED PERFORMANCE DATA

| CFM | | P-X442 (High Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | Outdoor Ambient Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | |
| | | 75 | | | 85 | | | 95 | | | 105 | | | 115 | | | | | | | | | | | |
| 1260 | MBH† | 57 | 62 | 63†† | 67 | 72 | 72 | 57 | 62 | 63†† | 67 | 72 | 72 | 57 | 62 | 63†† | 67 | 72 | 72 | 57 | 62 | 63†† | 67 | 72 | |
| | S/T† | 33.35 | 39.47 | 40.31 | 43.44 | 47.86 | 36.97 | 37.72 | 38.49 | 41.49 | 45.73 | 35.47 | 35.85 | 36.55 | 39.41 | 43.45 | 33.85 | 33.90 | 34.46 | 37.17 | 41.01 | 32.07 | 32.20 | 34.75 | 38.37 |
| | AMPS* | 1.00 | 0.86 | 0.69 | 0.67 | 0.49 | 1.00 | 0.88 | 0.71 | 0.68 | 0.50 | 1.00 | 0.91 | 0.72 | 0.69 | 0.51 | 1.00 | 0.99 | 0.74 | 0.71 | 0.52 | 1.00 | 0.76 | 0.74 | 0.53 |
| | HI PR | 27.77 | 12.83 | 12.86 | 13.03 | 13.25 | 14.02 | 14.06 | 14.10 | 14.27 | 14.50 | 15.39 | 15.41 | 15.44 | 15.62 | 15.85 | 16.89 | 16.89 | 16.92 | 17.10 | 17.35 | 18.57 | 18.57 | 18.75 | 19.00 |
| | LO PR | 28.6 | 287 | 288 | 293 | 299 | 329 | 330 | 331 | 336 | 342 | 376 | 377 | 378 | 383 | 390 | 428 | 428 | 429 | 434 | 441 | 485 | 485 | 490 | 497 |
| | 1400 | MBH† | 126 | 129 | 132 | 141 | 154 | 129 | 131 | 133 | 143 | 156 | 132 | 133 | 135 | 145 | 159 | 136 | 136 | 137 | 147 | 161 | 140 | 140 | 150 |
| S/T† | 39.73 | 40.27 | 41.02 | 44.19 | 48.68 | 38.26 | 38.47 | 39.13 | 42.16 | 46.46 | 36.68 | 36.66 | 37.11 | 41.00 | 44.09 | 34.96 | 34.96 | 34.96 | 37.69 | 41.56 | 33.08 | 32.64 | 35.20 | 38.84 | |
| AMPS* | 1.00 | 0.90 | 0.72 | 0.69 | 0.51 | 1.00 | 0.92 | 0.73 | 0.70 | 0.51 | 1.00 | 1.00 | 0.75 | 0.72 | 0.52 | 1.00 | 1.00 | 0.77 | 0.74 | 0.53 | 1.00 | 0.80 | 0.77 | 0.55 | |
| HI PR | 288 | 289 | 289 | 294 | 300 | 331 | 332 | 332 | 337 | 344 | 379 | 379 | 379 | 384 | 391 | 431 | 431 | 431 | 430 | 436 | 443 | 487 | 486 | 492 | 498 |
| LO PR | 131 | 132 | 134 | 144 | 157 | 133 | 134 | 136 | 146 | 159 | 137 | 137 | 138 | 148 | 161 | 140 | 140 | 140 | 140 | 150 | 163 | 144 | 144 | 152 | 166 |
| 1540 | MBH† | 40.94 | 41.01 | 41.59 | 44.80 | 49.33 | 39.39 | 39.39 | 42.70 | 47.04 | 37.72 | 37.72 | 37.72 | 40.48 | 44.60 | 35.92 | 35.92 | 35.36 | 38.10 | 42.00 | 33.95 | 32.98 | 35.56 | 39.20 | |
| S/T† | 1.00 | 0.93 | 0.74 | 0.71 | 0.52 | 1.00 | 1.00 | 0.76 | 0.73 | 0.53 | 1.00 | 1.00 | 0.77 | 0.75 | 0.54 | 1.00 | 1.00 | 0.80 | 0.77 | 0.55 | 1.00 | 0.83 | 0.80 | 0.56 | |
| AMPS* | 13.21 | 13.22 | 13.24 | 13.41 | 13.64 | 14.47 | 14.47 | 14.47 | 14.65 | 14.88 | 15.83 | 15.83 | 15.82 | 15.99 | 16.24 | 17.34 | 17.34 | 17.29 | 17.48 | 17.72 | 19.02 | 18.94 | 19.12 | 19.37 | |
| HI PR | 290 | 290 | 290 | 295 | 301 | 333 | 333 | 333 | 338 | 345 | 381 | 381 | 380 | 385 | 392 | 433 | 433 | 431 | 437 | 444 | 489 | 487 | 492 | 499 | |
| LO PR | 135 | 135 | 136 | 146 | 160 | 138 | 138 | 138 | 148 | 162 | 141 | 141 | 140 | 150 | 163 | 144 | 144 | 142 | 152 | 165 | 148 | 148 | 154 | 168 | |

| CFM | | P-X442 (Low Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | Outdoor Ambient Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | |
| | | 75 | | | 85 | | | 95 | | | 105 | | | 115 | | | | | | | | | | | |
| 880 | MBH† | 57 | 62 | 63†† | 67 | 72 | 72 | 57 | 62 | 63†† | 67 | 72 | 72 | 57 | 62 | 63†† | 67 | 72 | 72 | 57 | 62 | 63†† | 67 | 72 | |
| | S/T† | 27.85 | 28.86 | 29.57 | 32.11 | 35.76 | 26.83 | 27.53 | 28.19 | 30.64 | 34.15 | 25.73 | 26.10 | 26.71 | 29.06 | 32.43 | 24.53 | 24.59 | 25.12 | 27.36 | 30.58 | 23.21 | 23.40 | 25.52 | 28.58 |
| | AMPS* | 1.00 | 0.91 | 0.73 | 0.69 | 0.52 | 1.00 | 0.93 | 0.74 | 0.71 | 0.52 | 1.00 | 0.95 | 0.76 | 0.72 | 0.53 | 1.00 | 0.99 | 0.78 | 0.74 | 0.54 | 1.00 | 0.80 | 0.77 | 0.55 |
| | HI PR | 27.2 | 27.4 | 27.5 | 27.9 | 28.4 | 315 | 316 | 317 | 321 | 327 | 362 | 363 | 364 | 368 | 374 | 414 | 414 | 415 | 420 | 426 | 472 | 472 | 477 | 483 |
| | LO PR | 129 | 133 | 135 | 145 | 158 | 132 | 135 | 137 | 147 | 160 | 135 | 137 | 139 | 149 | 162 | 139 | 139 | 141 | 151 | 165 | 143 | 143 | 154 | 167 |
| | 975 | MBH† | 28.96 | 29.51 | 30.18 | 32.78 | 36.50 | 27.88 | 28.14 | 28.75 | 31.25 | 34.83 | 26.71 | 26.70 | 27.22 | 29.60 | 33.03 | 25.44 | 25.57 | 27.84 | 31.11 | 24.05 | 23.78 | 25.93 | 29.04 |
| S/T† | 1.00 | 0.94 | 0.75 | 0.72 | 0.53 | 1.00 | 0.96 | 0.76 | 0.73 | 0.53 | 1.00 | 1.00 | 0.78 | 0.75 | 0.54 | 1.00 | 1.00 | 0.81 | 0.77 | 0.55 | 1.00 | 0.83 | 0.80 | 0.57 | |
| AMPS* | 8.74 | 8.74 | 8.73 | 8.71 | 8.69 | 9.70 | 9.70 | 9.70 | 9.65 | 9.61 | 10.79 | 10.79 | 10.78 | 10.72 | 10.66 | 12.03 | 12.03 | 12.03 | 11.96 | 11.87 | 13.49 | 13.49 | 13.42 | 13.30 | |
| HI PR | 27.4 | 27.5 | 27.6 | 28.0 | 28.5 | 317 | 317 | 318 | 322 | 328 | 364 | 364 | 365 | 369 | 375 | 416 | 416 | 416 | 421 | 427 | 474 | 474 | 478 | 484 | |
| LO PR | 134 | 136 | 138 | 148 | 161 | 137 | 138 | 140 | 149 | 163 | 140 | 140 | 142 | 151 | 165 | 143 | 143 | 144 | 154 | 167 | 148 | 148 | 156 | 170 | |
| 1075 | MBH† | 30.00 | 30.13 | 30.72 | 33.36 | 37.15 | 28.86 | 28.86 | 29.24 | 31.77 | 35.41 | 27.62 | 27.62 | 27.65 | 30.07 | 33.55 | 26.28 | 26.28 | 26.95 | 28.25 | 31.56 | 24.82 | 24.12 | 26.29 | 29.43 |
| S/T† | 1.00 | 0.98 | 0.77 | 0.74 | 0.54 | 1.00 | 1.00 | 0.79 | 0.76 | 0.55 | 1.00 | 1.00 | 0.81 | 0.78 | 0.56 | 1.00 | 1.00 | 0.84 | 0.80 | 0.57 | 1.00 | 0.87 | 0.83 | 0.59 | |
| AMPS* | 8.82 | 8.82 | 8.81 | 8.79 | 8.77 | 9.78 | 9.78 | 9.77 | 9.73 | 9.69 | 10.85 | 10.85 | 10.85 | 10.80 | 10.74 | 12.09 | 12.09 | 12.11 | 12.03 | 11.95 | 13.54 | 13.54 | 13.49 | 13.37 | |
| HI PR | 27.6 | 27.6 | 27.7 | 28.1 | 28.6 | 319 | 319 | 319 | 323 | 329 | 366 | 366 | 366 | 370 | 376 | 418 | 418 | 417 | 422 | 428 | 476 | 476 | 474 | 479 | 485 |
| LO PR | 138 | 138 | 140 | 150 | 163 | 141 | 141 | 141 | 142 | 152 | 165 | 144 | 144 | 144 | 154 | 167 | 148 | 148 | 146 | 156 | 169 | 152 | 148 | 158 | 172 |

† Total capacities are net (I.D blower heat subtracted).

* System amps are total of indoor and outdoor amps

† S/T are based on 80° F db entering air at the indoor coil. For sensible capacities at other than 80° F db, deduct 835 BTU/h per 1000 cfm of indoor coil air from (MBh x S/T) for each degree below 80° F, or add 835 BTU/h per 1000 cfm of indoor coil air to (MBh x S/T) for each degree above 80° F

†† All TVA rating indoor condition (75° F db/ 63° F wb). All other indoor air temperatures are at 80° F db

EXPANDED PERFORMANCE DATA

| CFM | | P*X448 (High Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 75 | | | | | 85 | | | | | 105 | | | | | 115 | | | | | | | | | |
| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | | | | | |
| | | Entering Indoor Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | | | | | |
| 1440 | MBH† | 44.14 | 45.41 | 46.32 | 49.97 | 55.13 | 42.56 | 43.42 | 44.24 | 47.74 | 52.67 | 40.84 | 41.29 | 42.01 | 45.34 | 50.05 | 38.97 | 39.05 | 39.60 | 42.76 | 47.22 | 36.91 | 36.91 | 37.01 | 39.98 | 44.18 |
| | S/T† | 1.00 | 0.87 | 0.69 | 0.67 | 0.49 | 1.00 | 0.88 | 0.71 | 0.68 | 0.50 | 1.00 | 0.91 | 0.72 | 0.69 | 0.51 | 1.00 | 0.93 | 0.74 | 0.71 | 0.52 | 1.00 | 1.00 | 0.76 | 0.74 | 0.53 |
| | AMPS* | 14.79 | 14.86 | 14.90 | 15.09 | 15.35 | 16.17 | 16.22 | 16.26 | 16.46 | 16.72 | 17.68 | 17.70 | 17.74 | 17.94 | 18.22 | 19.33 | 19.34 | 19.37 | 19.58 | 19.87 | 21.18 | 21.18 | 21.18 | 21.39 | 21.69 |
| | HI PR | 288 | 290 | 291 | 296 | 302 | 331 | 333 | 334 | 339 | 346 | 379 | 380 | 381 | 386 | 393 | 431 | 431 | 432 | 437 | 445 | 487 | 487 | 487 | 493 | 500 |
| | LO PR | 127 | 130 | 132 | 142 | 155 | 130 | 132 | 134 | 144 | 157 | 133 | 135 | 136 | 146 | 160 | 137 | 137 | 139 | 149 | 162 | 141 | 141 | 141 | 151 | 165 |
| 1600 | MBH† | 45.70 | 46.32 | 47.11 | 50.81 | 56.03 | 44.02 | 44.30 | 44.95 | 48.49 | 53.49 | 42.20 | 42.16 | 42.64 | 46.00 | 50.77 | 40.22 | 40.22 | 40.16 | 43.34 | 47.84 | 38.05 | 38.05 | 37.49 | 40.48 | 44.70 |
| | S/T† | 1.00 | 0.90 | 0.72 | 0.69 | 0.51 | 1.00 | 0.92 | 0.73 | 0.70 | 0.51 | 1.00 | 1.00 | 0.75 | 0.72 | 0.52 | 1.00 | 1.00 | 0.77 | 0.74 | 0.53 | 1.00 | 1.00 | 0.80 | 0.77 | 0.55 |
| | AMPS* | 15.07 | 15.10 | 15.14 | 15.33 | 15.60 | 16.45 | 16.47 | 16.50 | 16.70 | 16.97 | 17.96 | 17.96 | 17.98 | 18.18 | 18.46 | 19.62 | 19.62 | 19.61 | 19.82 | 20.11 | 21.46 | 21.46 | 21.42 | 21.63 | 21.93 |
| | HI PR | 290 | 291 | 292 | 297 | 303 | 334 | 334 | 335 | 340 | 347 | 381 | 381 | 382 | 387 | 395 | 433 | 433 | 433 | 439 | 446 | 490 | 490 | 489 | 494 | 502 |
| | LO PR | 131 | 133 | 135 | 145 | 158 | 134 | 135 | 137 | 147 | 160 | 138 | 138 | 139 | 149 | 162 | 142 | 142 | 141 | 151 | 165 | 146 | 146 | 143 | 153 | 167 |
| 1760 | MBH† | 47.06 | 47.19 | 47.74 | 51.48 | 56.76 | 45.29 | 45.28 | 45.52 | 49.08 | 54.14 | 43.38 | 43.37 | 43.15 | 46.53 | 51.33 | 41.30 | 41.30 | 40.61 | 43.81 | 48.33 | 39.03 | 39.03 | 37.88 | 40.88 | 45.10 |
| | S/T† | 1.00 | 0.93 | 0.74 | 0.71 | 0.52 | 1.00 | 1.00 | 0.75 | 0.73 | 0.53 | 1.00 | 1.00 | 0.77 | 0.75 | 0.54 | 1.00 | 1.00 | 0.80 | 0.77 | 0.55 | 1.00 | 1.00 | 0.83 | 0.80 | 0.56 |
| | AMPS* | 15.34 | 15.35 | 15.37 | 15.57 | 15.84 | 16.72 | 16.72 | 16.73 | 16.93 | 17.21 | 18.23 | 18.23 | 18.21 | 18.42 | 18.70 | 19.89 | 19.89 | 19.84 | 20.05 | 20.34 | 21.74 | 21.74 | 21.65 | 21.86 | 22.16 |
| | HI PR | 292 | 292 | 293 | 298 | 304 | 336 | 336 | 336 | 341 | 348 | 384 | 384 | 383 | 388 | 396 | 435 | 435 | 434 | 440 | 447 | 492 | 492 | 490 | 495 | 503 |
| | LO PR | 135 | 136 | 137 | 147 | 160 | 138 | 138 | 139 | 149 | 162 | 142 | 142 | 141 | 151 | 164 | 145 | 145 | 143 | 153 | 167 | 149 | 149 | 145 | 155 | 169 |
| | | P*X448 (Low Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | | |
| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 75 | | | | | 85 | | | | | 105 | | | | | 115 | | | | | | | | | |
| | | Entering Indoor Temperature - Degrees F, Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | 57 | 62 | 63† | 67 | 72 | | | | | |
| 1000 | MBH† | 30.91 | 32.03 | 32.78 | 35.65 | 39.76 | 29.79 | 30.56 | 31.26 | 34.02 | 37.97 | 28.57 | 28.99 | 29.62 | 32.26 | 36.05 | 27.23 | 27.32 | 27.85 | 30.37 | 33.99 | 25.76 | 25.76 | 25.94 | 28.32 | 31.75 |
| | S/T† | 1.00 | 0.91 | 0.73 | 0.70 | 0.52 | 1.00 | 0.93 | 0.74 | 0.71 | 0.52 | 1.00 | 0.95 | 0.76 | 0.73 | 0.53 | 1.00 | 0.98 | 0.78 | 0.75 | 0.54 | 1.00 | 1.00 | 0.80 | 0.77 | 0.55 |
| | AMPS* | 9.66 | 9.65 | 9.64 | 9.62 | 9.61 | 10.79 | 10.78 | 10.77 | 10.73 | 10.69 | 12.06 | 12.05 | 12.04 | 11.98 | 11.91 | 13.52 | 13.52 | 13.50 | 13.42 | 13.33 | 15.22 | 15.22 | 15.22 | 15.12 | 14.99 |
| | HI PR | 273 | 275 | 276 | 280 | 285 | 316 | 317 | 318 | 323 | 328 | 363 | 364 | 365 | 369 | 376 | 415 | 415 | 416 | 421 | 427 | 472 | 472 | 472 | 477 | 484 |
| | LO PR | 129 | 133 | 135 | 145 | 157 | 132 | 135 | 137 | 147 | 160 | 136 | 136 | 137 | 139 | 149 | 162 | 139 | 140 | 142 | 151 | 165 | 144 | 144 | 144 | 154 |
| 1100 | MBH† | 32.04 | 32.70 | 33.40 | 36.32 | 40.51 | 30.85 | 31.19 | 31.82 | 34.62 | 38.65 | 29.56 | 29.62 | 30.12 | 32.80 | 36.66 | 28.15 | 28.15 | 28.29 | 30.85 | 34.52 | 26.61 | 26.61 | 26.32 | 28.73 | 32.21 |
| | S/T† | 1.00 | 0.94 | 0.75 | 0.72 | 0.53 | 1.00 | 0.96 | 0.76 | 0.73 | 0.53 | 1.00 | 0.99 | 0.78 | 0.75 | 0.54 | 1.00 | 1.00 | 0.81 | 0.77 | 0.55 | 1.00 | 1.00 | 0.83 | 0.80 | 0.57 |
| | AMPS* | 9.76 | 9.76 | 9.75 | 9.74 | 9.72 | 10.89 | 10.88 | 10.88 | 10.84 | 10.80 | 12.15 | 12.15 | 12.14 | 12.08 | 12.02 | 13.60 | 13.60 | 13.60 | 13.52 | 13.43 | 15.30 | 15.30 | 15.31 | 15.21 | 15.09 |
| | HI PR | 275 | 276 | 277 | 281 | 286 | 318 | 318 | 319 | 324 | 330 | 365 | 365 | 366 | 370 | 377 | 417 | 417 | 417 | 422 | 428 | 474 | 474 | 474 | 478 | 485 |
| | LO PR | 133 | 135 | 137 | 147 | 160 | 136 | 138 | 139 | 149 | 162 | 140 | 140 | 141 | 151 | 165 | 144 | 144 | 144 | 154 | 167 | 148 | 148 | 146 | 156 | 170 |
| 1200 | MBH† | 33.06 | 33.31 | 33.91 | 36.88 | 41.14 | 31.81 | 31.82 | 32.28 | 35.13 | 39.21 | 30.45 | 30.45 | 30.54 | 33.25 | 37.16 | 28.97 | 28.97 | 28.66 | 31.24 | 34.95 | 27.36 | 27.36 | 26.64 | 29.08 | 32.58 |
| | S/T† | 1.00 | 0.97 | 0.77 | 0.74 | 0.54 | 1.00 | 1.00 | 0.79 | 0.75 | 0.55 | 1.00 | 1.00 | 0.81 | 0.77 | 0.56 | 1.00 | 1.00 | 0.83 | 0.80 | 0.57 | 1.00 | 1.00 | 0.86 | 0.83 | 0.58 |
| | AMPS* | 9.87 | 9.87 | 9.87 | 9.85 | 9.84 | 10.99 | 10.98 | 10.98 | 10.95 | 10.91 | 12.24 | 12.24 | 12.24 | 12.19 | 12.13 | 13.69 | 13.69 | 13.70 | 13.63 | 13.54 | 15.38 | 15.38 | 15.41 | 15.31 | 15.19 |
| | HI PR | 277 | 277 | 278 | 282 | 287 | 320 | 319 | 320 | 325 | 331 | 367 | 367 | 367 | 371 | 378 | 419 | 419 | 418 | 423 | 429 | 476 | 476 | 474 | 479 | 486 |
| | LO PR | 137 | 138 | 139 | 149 | 162 | 140 | 140 | 141 | 151 | 165 | 143 | 143 | 143 | 143 | 153 | 167 | 147 | 147 | 146 | 156 | 169 | 151 | 151 | 148 | 158 |

† Total capacities are net (I.D blower heat subtracted).

* System amps are total of indoor and outdoor amps

‡ S/T are based on 80° F db entering air at the indoor coil. For sensible capacities at other than 80° F db, deduct 835 BTU/h per 1000 cfm of indoor coil air from (MBh x S/T) for each degree below 80° F, or add 835 BTU/h per 1000 cfm of indoor coil air to (MBh x S/T) for each degree above 80° F

†† All TVA rating indoor condition (75° F db/ 63° F wb). All other indoor air temperatures are at 80° F db

EXPANDED PERFORMANCE DATA

| CFM | | P-X460 (High Stage Cooling) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | | | | | | | 95 | | 105 | | 115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 | 185 | 195 | 205 | 215 | 225 | 235 | 245 | 255 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Entering Indoor Temperature - Degrees F, Wet Bulb | | 62 | 63† | 67 | 72 | 77 | 82 | 87 | 92 | 97 | 102 | 107 | 112 | 117 | 122 | 127 | 132 | 137 | 142 | 147 | 152 | 157 | 162 | 167 | 172 | 177 | 182 | 187 | 192 | 197 | 202 | 207 | 212 | 217 | 222 | 227 | 232 | 237 | 242 | 247 | 252 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1575 | MBH† | 53.72 | 56.33 | 57.55 | 61.78 | 67.72 | 51.82 | 53.85 | 55.01 | 59.04 | 64.71 | 49.75 | 51.20 | 52.29 | 56.12 | 61.50 | 48.36 | 49.36 | 52.97 | 58.05 | 45.03 | 58.05 | 72 | 57 | 62 | 63† | 67 | 72 | 77 | 82 | 87 | 92 | 97 | 102 | 107 | 112 | 117 | 122 | 127 | 132 | 137 | 142 | 147 | 152 | 157 | 162 | 167 | 172 | 177 | 182 | 187 | 192 | 197 | 202 | 207 | 212 | 217 | 222 | 227 | 232 | 237 | 242 | 247 | 252 | 257 | 262 | 267 | 272 | 277 | 282 | 287 | 292 | 297 | 302 | 307 | 312 | 317 | 322 | 327 | 332 | 337 | 342 | 347 | 352 | 357 | 362 | 367 | 372 | 377 | 382 | 387 | 392 | 397 | 402 | 407 | 412 | 417 | 422 | 427 | 432 | 437 | 442 | 447 | 452 | 457 | 462 | 467 | 472 | 477 | 482 | 487 | 492 | 497 | 502 | 507 | 512 | 517 | 522 | 527 | 532 | 537 | 542 | 547 | 552 | 557 | 562 | 567 | 572 | 577 | 582 | 587 | 592 | 597 | 602 | 607 | 612 | 617 | 622 | 627 | 632 | 637 | 642 | 647 | 652 | 657 | 662 | 667 | 672 | 677 | 682 | 687 | 692 | 697 | 702 | 707 | 712 | 717 | 722 | 727 | 732 | 737 | 742 | 747 | 752 | 757 | 762 | 767 | 772 | 777 | 782 | 787 | 792 | 797 | 802 | 807 | 812 | 817 | 822 | 827 | 832 | 837 | 842 | 847 | 852 | 857 | 862 | 867 | 872 | 877 | 882 | 887 | 892 | 897 | 902 | 907 | 912 | 917 | 922 | 927 | 932 | 937 | 942 | 947 | 952 | 957 | 962 | 967 | 972 | 977 | 982 | 987 | 992 | 997 | 1002 | 1007 | 1012 | 1017 | 1022 | 1027 | 1032 | 1037 | 1042 | 1047 | 1052 | 1057 | 1062 | 1067 | 1072 | 1077 | 1082 | 1087 | 1092 | 1097 | 1102 | 1107 | 1112 | 1117 | 1122 | 1127 | 1132 | 1137 | 1142 | 1147 | 1152 | 1157 | 1162 | 1167 | 1172 | 1177 | 1182 | 1187 | 1192 | 1197 | 1202 | 1207 | 1212 | 1217 | 1222 | 1227 | 1232 | 1237 | 1242 | 1247 | 1252 | 1257 | 1262 | 1267 | 1272 | 1277 | 1282 | 1287 | 1292 | 1297 | 1302 | 1307 | 1312 | 1317 | 1322 | 1327 | 1332 | 1337 | 1342 | 1347 | 1352 | 1357 | 1362 | 1367 | 1372 | 1377 | 1382 | 1387 | 1392 | 1397 | 1402 | 1407 | 1412 | 1417 | 1422 | 1427 | 1432 | 1437 | 1442 | 1447 | 1452 | 1457 | 1462 | 1467 | 1472 | 1477 | 1482 | 1487 | 1492 | 1497 | 1502 | 1507 | 1512 | 1517 | 1522 | 1527 | 1532 | 1537 | 1542 | 1547 | 1552 | 1557 | 1562 | 1567 | 1572 | 1577 | 1582 | 1587 | 1592 | 1597 | 1602 | 1607 | 1612 | 1617 | 1622 | 1627 | 1632 | 1637 | 1642 | 1647 | 1652 | 1657 | 1662 | 1667 | 1672 | 1677 | 1682 | 1687 | 1692 | 1697 | 1702 | 1707 | 1712 | 1717 | 1722 | 1727 | 1732 | 1737 | 1742 | 1747 | 1752 | 1757 | 1762 | 1767 | 1772 | 1777 | 1782 | 1787 | 1792 | 1797 | 1802 | 1807 | 1812 | 1817 | 1822 | 1827 | 1832 | 1837 | 1842 | 1847 | 1852 | 1857 | 1862 | 1867 | 1872 | 1877 | 1882 | 1887 | 1892 | 1897 | 1902 | 1907 | 1912 | 1917 | 1922 | 1927 | 1932 | 1937 | 1942 | 1947 | 1952 | 1957 | 1962 | 1967 | 1972 | 1977 | 1982 | 1987 | 1992 | 1997 | 2002 | 2007 | 2012 | 2017 | 2022 | 2027 | 2032 | 2037 | 2042 | 2047 | 2052 | 2057 | 2062 | 2067 | 2072 | 2077 | 2082 | 2087 | 2092 | 2097 | 2102 | 2107 | 2112 | 2117 | 2122 | 2127 | 2132 | 2137 | 2142 | 2147 | 2152 | 2157 | 2162 | 2167 | 2172 | 2177 | 2182 | 2187 | 2192 | 2197 | 2202 | 2207 | 2212 | 2217 | 2222 | 2227 | 2232 | 2237 | 2242 | 2247 | 2252 | 2257 | 2262 | 2267 | 2272 | 2277 | 2282 | 2287 | 2292 | 2297 | 2302 | 2307 | 2312 | 2317 | 2322 | 2327 | 2332 | 2337 | 2342 | 2347 | 2352 | 2357 | 2362 | 2367 | 2372 | 2377 | 2382 | 2387 | 2392 | 2397 | 2402 | 2407 | 2412 | 2417 | 2422 | 2427 | 2432 | 2437 | 2442 | 2447 | 2452 | 2457 | 2462 | 2467 | 2472 | 2477 | 2482 | 2487 | 2492 | 2497 | 2502 | 2507 | 2512 | 2517 | 2522 | 2527 | 2532 | 2537 | 2542 | 2547 | 2552 | 2557 | 2562 | 2567 | 2572 | 2577 | 2582 | 2587 | 2592 | 2597 | 2602 | 2607 | 2612 | 2617 | 2622 | 2627 | 2632 | 2637 | 2642 | 2647 | 2652 | 2657 | 2662 | 2667 | 2672 | 2677 | 2682 | 2687 | 2692 | 2697 | 2702 | 2707 | 2712 | 2717 | 2722 | 2727 | 2732 | 2737 | 2742 | 2747 | 2752 | 2757 | 2762 | 2767 | 2772 | 2777 | 2782 | 2787 | 2792 | 2797 | 2802 | 2807 | 2812 | 2817 | 2822 | 2827 | 2832 | 2837 | 2842 | 2847 | 2852 | 2857 | 2862 | 2867 | 2872 | 2877 | 2882 | 2887 | 2892 | 2897 | 2902 | 2907 | 2912 | 2917 | 2922 | 2927 | 2932 | 2937 | 2942 | 2947 | 2952 | 2957 | 2962 | 2967 | 2972 | 2977 | 2982 | 2987 | 2992 | 2997 | 3002 | 3007 | 3012 | 3017 | 3022 | 3027 | 3032 | 3037 | 3042 | 3047 | 3052 | 3057 | 3062 | 3067 | 3072 | 3077 | 3082 | 3087 | 3092 | 3097 | 3102 | 3107 | 3112 | 3117 | 3122 | 3127 | 3132 | 3137 | 3142 | 3147 | 3152 | 3157 | 3162 | 3167 | 3172 | 3177 | 3182 | 3187 | 3192 | 3197 | 3202 | 3207 | 3212 | 3217 | 3222 | 3227 | 3232 | 3237 | 3242 | 3247 | 3252 | 3257 | 3262 | 3267 | 3272 | 3277 | 3282 | 3287 | 3292 | 3297 | 3302 | 3307 | 3312 | 3317 | 3322 | 3327 | 3332 | 3337 | 3342 | 3347 | 3352 | 3357 | 3362 | 3367 | 3372 | 3377 | 3382 | 3387 | 3392 | 3397 | 3402 | 3407 | 3412 | 3417 | 3422 | 3427 | 3432 | 3437 | 3442 | 3447 | 3452 | 3457 | 3462 | 3467 | 3472 | 3477 | 3482 | 3487 | 3492 | 3497 | 3502 | 3507 | 3512 | 3517 | 3522 | 3527 | 3532 | 3537 | 3542 | 3547 | 3552 | 3557 | 3562 | 3567 | 3572 | 3577 | 3582 | 3587 | 3592 | 3597 | 3602 | 3607 | 3612 | 3617 | 3622 | 3627 | 3632 | 3637 | 3642 | 3647 | 3652 | 3657 | 3662 | 3667 | 3672 | 3677 | 3682 | 3687 | 3692 | 3697 | 3702 | 3707 | 3712 | 3717 | 3722 | 3727 | 3732 | 3737 | 3742 | 3747 | 3752 | 3757 | 3762 | 3767 | 3772 | 3777 | 3782 | 3787 | 3792 | 3797 | 3802 | 3807 | 3812 | 3817 | 3822 | 3827 | 3832 | 3837 | 3842 | 3847 | 3852 | 3857 | 3862 | 3867 | 3872 | 3877 | 3882 | 3887 | 3892 | 3897 | 3902 | 3907 | 3912 | 3917 | 3922 | 3927 | 3932 | 3937 | 3942 | 3947 | 3952 | 3957 | 3962 | 3967 | 3972 | 3977 | 3982 | 3987 | 3992 | 3997 | 4002 | 4007 | 4012 | 4017 | 4022 | 4027 | 4032 | 4037 | 4042 | 4047 | 4052 | 4057 | 4062 | 4067 | 4072 | 4077 | 4082 | 4087 | 4092 | 4097 | 4102 | 4107 | 4112 | 4117 | 4122 | 4127 | 4132 | 4137 | 4142 | 4147 | 4152 | 4157 | 4162 | 4167 | 4172 | 4177 | 4182 | 4187 | 4192 | 4197 | 4202 | 4207 | 4212 | 4217 | 4222 | 4227 | 4232 | 4237 | 4242 | 4247 | 4252 | 4257 | 4262 | 4267 | 4272 | 4277 | 4282 | 4287 | 4292 | 4297 | 4302 | 4307 | 4312 | 4317 | 4322 | 4327 | 4332 | 4337 | 4342 | 4347 | 4352 | 4357 | 4362 | 4367 | 4372 | 4377 | 4382 | 4387 | 4392 | 4397 | 4402 | 4407 | 4412 | 4417 | 4422 | 4427 | 4432 | 4437 | 4442 | 4447 | 4452 | 4457 | 4462 | 4467 | 4472 | 4477 | 4482 | 4487 | 4492 | 4497 | 4502 | 4507 | 4512 | 4517 | 4522 | 4527 | 4532 | 4537 | 4542 | 4547 | 4552 | 4557 | 4562 | 4567 | 4572 | 4577 | 4582 | 4587 | 4592 | 4597 | 4602 | 4607 | 4612 | 4617 | 4622 | 4627 | 4632 | 4637 | 4642 | 4647 | 4652 | 4657 | 4662 | 4667 | 4672 | 4677 | 4682 | 4687 | 4692 | 4697 | 4702 | 4707 | 4712 | 4717 | 4722 | 4727 | 4732 | 4737 | 4742 | 4747 | 4752 | 4757 | 4762 | 4767 | 4772 | 4777 | 4782 | 4787 | 4792 | 4797 | 4802 | 4807 | 4812 | 4817 | 4822 | 4827 | 4832 | 4837 | 4842 | 4847 | 4852 | 4857 | 4862 | 4867 | 4872 | 4877 | 4882 | 4887 | 4892 | 4897 | 4902 | 4907 | 4912 | 4917 | 4922 | 4927 | 4932 | 4937 | 4942 | 4947 | 4952 | 4957 | 4962 | 4967 | 4972 | 4977 | 4982 | 4987 | 4992 | 4997 | 5002 | 5007 | 5012 | 5017 | 5022 | 5027 | 5032 | 5037 | 5042 | 5047 | 5052 | 5057 | 5062 | 5067 | 5072 | 5077 | 5082 | 5087 | 5092 | 5097 | 5102 | 5107 | 5112 | 5117 | 5122 | 5127 | 5132 | 5137 | 5142 | 5147 | 5152 | 5157 | 5162 | 5167 | 5172 | 5177 | 5182 | 5187 | 5192 | 5197 | 5202 | 5207 | 5212 | 5217 | 5222 | 5227 | 5232 | 5237 | 5242 | 5247 | 5252 | 5257 | 5262 | 5267 | 5272 | 5277 | 5282 | 5287 | 5292 | 5297 | 5302 | 5307 | 5312 | 5317 | 5322 | 5327 | 5332 | 5337 | 5342 | 5347 | 5352 | 5357 | 5362 | 5367 | 5372 | 5377 | 5382 | 5387 | 5392 | 5397 | 5402 | 5407 | 5412 | 5417 | 5422 | 5427 | 5432 | 5437 | 5442 | 5447 | 5452 | 5457 | 5462 | 5467 | 5472 | 5477 | 5482 | 5487 | 5492 | 5497 | 5502 | 5507 | 5512 | 5517 | 5522 | 5527 | 5532 | 5537 | 5542 | 5547 | 5552 | 5557 | 5562 | 5567 | 5572 | 5577 | 5582 | 5587 | 5592 | 5597 | 5602 | 5607 | 5612 | 5617 | 5622 | 5627 | 5632 | 5637 | 5642 | 5647 | 5652 | 5657 | 5662 | 5667 | 5672 | 5677 | 5682 | 5687 | 5692 | 5697 | 5702 | 5707 | 5712 | 5717 | 5722 | 5727 | 5732 | 5737 | 5742 | 5747 | 5752 | 5757 | 5762 | 5767 | 5772 | 5777 | 5782 | 5787 | 5792 | 5797 | 5802 | 5807 | 5812 | 5817 | 5822 | 5827 |

HEAT PUMP HEATING EXPANDED PERFORMANCE DATA

P*X424 (HIGH CAPACITY)

| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
|-----|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 720 | MBh† | 2.17 | 4.78 | 8.67 | 12.17 | 13.78 | 18.08 | 21.29 | 23.36 | 24.21 | 26.71 |
| | T/R | 11.70 | 14.40 | 18.20 | 21.20 | 22.40 | 23.80 | 23.50 | 23.20 | 23.10 | 22.30 |
| | AMPS* | 4.24 | 5.23 | 6.27 | 7.12 | 7.48 | 8.39 | 9.13 | 9.62 | 9.82 | 10.48 |
| | HI PR | 243 | 250 | 264 | 275 | 279 | 320 | 360 | 388 | 387 | 383 |
| | LO PR | 30 | 41 | 53 | 61 | 65 | 81 | 98 | 109 | 109 | 107 |
| 800 | MBh† | 2.10 | 4.71 | 8.71 | 12.20 | 13.65 | 17.18 | 20.14 | 22.00 | 22.75 | 25.38 |
| | T/R | 10.20 | 12.70 | 16.40 | 19.00 | 19.80 | 20.20 | 19.90 | 19.50 | 19.40 | 19.00 |
| | AMPS* | 4.24 | 5.22 | 6.24 | 7.07 | 7.33 | 8.16 | 8.87 | 9.34 | 9.54 | 10.22 |
| | HI PR | 236 | 243 | 257 | 268 | 269 | 309 | 349 | 376 | 375 | 373 |
| | LO PR | 31 | 42 | 53 | 61 | 65 | 80 | 94 | 104 | 104 | 103 |
| 880 | MBh† | 2.12 | 4.79 | 8.79 | 12.09 | 13.49 | 16.52 | 19.29 | 21.05 | 22.13 | 24.27 |
| | T/R | 9.30 | 11.80 | 15.00 | 17.10 | 17.70 | 17.60 | 17.30 | 16.90 | 17.10 | 16.40 |
| | AMPS* | 4.24 | 5.18 | 6.19 | 6.96 | 7.27 | 8.00 | 8.70 | 9.17 | 9.41 | 10.05 |
| | HI PR | 233 | 241 | 253 | 260 | 264 | 303 | 341 | 368 | 367 | 365 |
| | LO PR | 31 | 42 | 52 | 61 | 64 | 78 | 92 | 101 | 102 | 100 |

P*X424 (LOW CAPACITY)

| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
|-----|-------|---|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 500 | MBh† | 4.13 | 4.13 | 5.94 | 7.55 | 8.09 | 11.24 | 14.47 | 16.91 | 17.94 | 19.68 |
| | T/R | 9.90 | 9.90 | 14.00 | 17.50 | 18.60 | 25.50 | 32.40 | 37.50 | 39.60 | 42.50 |
| | AMPS* | 5.79 | 5.79 | 6.04 | 6.20 | 6.22 | 6.43 | 6.67 | 6.76 | 6.77 | 6.56 |
| | HI PR | 236 | 236 | 250 | 264 | 266 | 293 | 317 | 355 | 363 | 375 |
| | LO PR | 45 | 45 | 57 | 66 | 71 | 85 | 102 | 115 | 120 | 127 |
| 550 | MBh† | 3.83 | 3.83 | 6.31 | 8.00 | 8.49 | 11.28 | 14.62 | 16.80 | 17.34 | 17.71 |
| | T/R | 8.40 | 8.40 | 13.50 | 16.90 | 17.80 | 23.20 | 29.60 | 33.60 | 34.40 | 34.30 |
| | AMPS* | 5.73 | 5.73 | 5.98 | 6.00 | 6.16 | 6.29 | 6.50 | 6.49 | 6.45 | 5.97 |
| | HI PR | 230 | 230 | 249 | 260 | 265 | 283 | 306 | 341 | 345 | 342 |
| | LO PR | 45 | 45 | 56 | 65 | 71 | 85 | 102 | 114 | 116 | 116 |
| 600 | MBh† | 3.87 | 3.87 | 6.51 | 7.76 | 8.29 | 11.41 | 14.56 | 15.94 | 16.04 | 16.24 |
| | T/R | 7.70 | 7.70 | 12.70 | 14.90 | 15.80 | 21.40 | 26.90 | 29.00 | 28.90 | 28.50 |
| | AMPS* | 5.70 | 5.70 | 5.81 | 6.01 | 6.03 | 6.17 | 6.28 | 6.18 | 6.05 | 5.59 |
| | HI PR | 227 | 227 | 247 | 254 | 256 | 277 | 295 | 325 | 324 | 320 |
| | LO PR | 45 | 45 | 56 | 66 | 71 | 85 | 102 | 108 | 108 | 108 |

† Total capacities are net (I.D blower heat added) system capacities

* System amps are total of indoor and outdoor amps

HEAT PUMP HEATING EXPANDED PERFORMANCE DATA

| P*X430 (HIGH CAPACITY) | | | | | | | | | | | |
|------------------------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 787 | MBh† | 3.33 | 6.61 | 11.17 | 15.07 | 17.00 | 23.34 | 27.39 | 30.12 | 31.27 | 34.93 |
| | T/R | 13.70 | 17.40 | 21.70 | 24.80 | 26.30 | 30.00 | 30.00 | 29.90 | 29.80 | 29.50 |
| | AMPS* | 6.18 | 7.06 | 8.06 | 8.85 | 9.23 | 10.26 | 10.84 | 11.23 | 11.39 | 11.92 |
| | HI PR | 247 | 258 | 282 | 287 | 293 | 333 | 374 | 402 | 401 | 397 |
| | LO PR | 30 | 39 | 50 | 58 | 62 | 79 | 96 | 108 | 108 | 108 |
| 875 | MBh† | 3.50 | 6.61 | 11.20 | 15.20 | 16.97 | 21.88 | 25.56 | 28.00 | 29.00 | 32.15 |
| | T/R | 13.00 | 15.60 | 19.50 | 22.40 | 23.50 | 25.10 | 25.00 | 24.80 | 24.60 | 24.20 |
| | AMPS* | 6.09 | 7.10 | 8.02 | 8.80 | 9.10 | 9.88 | 10.44 | 10.81 | 10.96 | 11.46 |
| | HI PR | 247 | 251 | 266 | 279 | 282 | 320 | 358 | 384 | 383 | 379 |
| | LO PR | 28 | 39 | 50 | 58 | 62 | 77 | 91 | 102 | 102 | 101 |
| 962 | MBh† | 3.02 | 6.86 | 11.31 | 15.19 | 16.84 | 20.86 | 24.28 | 26.49 | 27.40 | 30.17 |
| | T/R | 10.10 | 14.70 | 17.90 | 20.30 | 21.10 | 21.60 | 21.40 | 21.20 | 21.00 | 20.50 |
| | AMPS* | 6.22 | 6.96 | 7.98 | 8.74 | 8.97 | 9.66 | 10.20 | 10.55 | 10.70 | 11.18 |
| | HI PR | 227 | 254 | 263 | 272 | 274 | 310 | 347 | 372 | 371 | 367 |
| | LO PR | 30 | 38 | 49 | 58 | 61 | 75 | 88 | 98 | 97 | 96 |
| P*X430 (LOW CAPACITY) | | | | | | | | | | | |
| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 580 | MBh† | 3.90 | 6.12 | 8.00 | 9.34 | 10.71 | 13.87 | 17.57 | 20.53 | 21.64 | 25.93 |
| | T/R | 8.40 | 12.90 | 16.40 | 18.90 | 21.50 | 27.40 | 34.20 | 39.60 | 41.60 | 49.20 |
| | AMPS* | 6.35 | 6.77 | 7.07 | 7.15 | 7.28 | 7.57 | 7.87 | 8.13 | 8.11 | 8.38 |
| | HI PR | 230 | 246 | 253 | 257 | 272 | 295 | 321 | 345 | 349 | 381 |
| | LO PR | 33 | 43 | 55 | 65 | 68 | 83 | 99 | 111 | 116 | 134 |
| 650 | MBh† | 3.97 | 5.74 | 8.03 | 10.00 | 11.28 | 14.05 | 17.82 | 20.40 | 21.51 | 23.15 |
| | T/R | 7.60 | 10.70 | 14.70 | 18.00 | 20.20 | 24.70 | 30.80 | 34.80 | 36.50 | 38.40 |
| | AMPS* | 6.32 | 6.71 | 6.96 | 7.08 | 7.07 | 7.36 | 7.62 | 7.64 | 7.69 | 7.43 |
| | HI PR | 227 | 238 | 252 | 262 | 272 | 285 | 311 | 323 | 331 | 338 |
| | LO PR | 33 | 44 | 55 | 64 | 67 | 83 | 98 | 110 | 115 | 120 |
| 715 | MBh† | 4.00 | 6.23 | 8.57 | 10.11 | 10.95 | 14.19 | 17.87 | 20.15 | 20.54 | 21.04 |
| | T/R | 7.00 | 10.60 | 14.20 | 16.50 | 17.70 | 22.60 | 27.90 | 31.10 | 31.40 | 31.40 |
| | AMPS* | 6.31 | 6.65 | 6.89 | 6.97 | 7.03 | 7.22 | 7.41 | 7.41 | 7.32 | 6.87 |
| | HI PR | 225 | 238 | 252 | 257 | 262 | 279 | 300 | 312 | 313 | 311 |
| | LO PR | 33 | 43 | 54 | 64 | 68 | 82 | 98 | 108 | 110 | 110 |

† Total capacities are net (I.D blower heat added) system capacities

* System amps are total of indoor and outdoor amps

HEAT PUMP HEATING EXPANDED PERFORMANCE DATA

P*X436 (HIGH CAPACITY)

| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
|------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 1080 | MBh† | 6.52 | 9.85 | 14.51 | 18.15 | 19.92 | 27.33 | 34.05 | 36.48 | 37.90 | 41.61 |
| | T/R | 12.20 | 14.80 | 18.30 | 20.60 | 21.70 | 26.30 | 29.30 | 29.10 | 29.40 | 29.30 |
| | AMPS* | 7.18 | 7.90 | 8.85 | 9.70 | 10.09 | 11.39 | 12.43 | 12.81 | 13.05 | 13.64 |
| | HI PR | 239 | 254 | 269 | 278 | 268 | 307 | 346 | 373 | 375 | 372 |
| | LO PR | 28 | 36 | 47 | 55 | 62 | 80 | 98 | 111 | 112 | 113 |
| 1200 | MBh† | 6.51 | 9.89 | 14.59 | 18.40 | 20.35 | 27.16 | 31.69 | 34.00 | 35.70 | 39.99 |
| | T/R | 10.90 | 13.40 | 16.50 | 18.80 | 19.90 | 23.40 | 24.30 | 24.20 | 24.70 | 25.20 |
| | AMPS* | 6.95 | 7.89 | 8.95 | 9.77 | 10.03 | 11.19 | 11.99 | 12.38 | 12.66 | 13.40 |
| | HI PR | 239 | 249 | 263 | 261 | 270 | 302 | 334 | 356 | 359 | 362 |
| | LO PR | 26 | 36 | 47 | 57 | 60 | 76 | 92 | 104 | 106 | 108 |
| 1320 | MBh† | 6.55 | 10.15 | 14.55 | 18.62 | 20.45 | 26.88 | 29.95 | 31.99 | 33.07 | 35.98 |
| | T/R | 10.00 | 12.50 | 15.00 | 17.20 | 18.10 | 21.00 | 20.80 | 20.60 | 20.60 | 20.40 |
| | AMPS* | 6.98 | 8.16 | 9.10 | 9.70 | 10.08 | 11.12 | 11.72 | 12.09 | 12.29 | 12.84 |
| | HI PR | 236 | 239 | 247 | 260 | 269 | 296 | 324 | 343 | 343 | 341 |
| | LO PR | 26 | 38 | 49 | 56 | 60 | 74 | 88 | 98 | 98 | 98 |

P*X436 (LOW CAPACITY)

| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
|-----|-------|---|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 770 | MBh† | 5.70 | 5.94 | 8.45 | 11.82 | 11.70 | 15.26 | 20.99 | 23.54 | 25.80 | 31.91 |
| | T/R | 8.00 | 8.80 | 12.20 | 16.80 | 16.50 | 21.10 | 28.50 | 31.50 | 34.40 | 42.00 |
| | AMPS* | 6.90 | 6.55 | 7.09 | 7.33 | 7.44 | 7.73 | 8.33 | 8.40 | 8.85 | 9.45 |
| | HI PR | 230 | 231 | 242 | 262 | 253 | 265 | 307 | 303 | 333 | 358 |
| | LO PR | 42 | 43 | 57 | 63 | 70 | 85 | 98 | 113 | 117 | 137 |
| 850 | MBh† | 5.60 | 5.94 | 9.60 | 11.40 | 12.44 | 16.38 | 20.14 | 24.20 | 26.21 | 32.03 |
| | T/R | 7.80 | 8.00 | 12.60 | 14.70 | 15.90 | 20.50 | 24.60 | 29.30 | 31.50 | 37.90 |
| | AMPS* | 6.30 | 6.54 | 6.99 | 7.26 | 7.38 | 7.78 | 7.96 | 8.33 | 8.60 | 9.05 |
| | HI PR | 227 | 228 | 245 | 253 | 258 | 277 | 279 | 299 | 314 | 338 |
| | LO PR | 42 | 43 | 54 | 64 | 68 | 83 | 101 | 113 | 117 | 137 |
| 935 | MBh† | 5.50 | 6.02 | 8.71 | 11.49 | 11.44 | 16.56 | 20.64 | 24.80 | 26.53 | 31.66 |
| | T/R | 7.10 | 7.30 | 10.30 | 13.40 | 13.20 | 18.80 | 22.90 | 27.10 | 28.90 | 33.80 |
| | AMPS* | 6.52 | 6.56 | 7.06 | 7.27 | 7.32 | 7.69 | 7.92 | 8.32 | 8.48 | 8.80 |
| | HI PR | 221 | 226 | 236 | 246 | 239 | 271 | 275 | 301 | 308 | 325 |
| | LO PR | 41 | 43 | 57 | 64 | 70 | 83 | 101 | 111 | 117 | 135 |

† Total capacities are net (I.D blower heat added) system capacities

* System amps are total of indoor and outdoor amps

HEAT PUMP HEATING EXPANDED PERFORMANCE DATA

| P*X442 (HIGH CAPACITY) | | | | | | | | | | | |
|------------------------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 1260 | MBh† | 10.29 | 13.45 | 19.49 | 21.53 | 24.17 | 30.71 | 38.11 | 43.16 | 45.30 | 48.29 |
| | T/R | 10.50 | 13.00 | 18.00 | 19.20 | 21.30 | 25.90 | 30.90 | 34.10 | 35.40 | 36.10 |
| | AMPS* | 10.42 | 11.16 | 11.61 | 12.16 | 12.44 | 13.33 | 14.31 | 14.91 | 15.24 | 15.47 |
| | HI PR | 233 | 237 | 267 | 258 | 282 | 314 | 347 | 369 | 377 | 379 |
| | LO PR | 31 | 41 | 49 | 60 | 61 | 79 | 98 | 111 | 115 | 118 |
| 1400 | MBh† | 10.87 | 15.26 | 19.56 | 22.00 | 24.31 | 31.00 | 37.92 | 41.00 | 41.71 | 38.58 |
| | T/R | 10.00 | 13.30 | 16.20 | 17.60 | 19.20 | 23.40 | 27.50 | 28.90 | 29.00 | 25.50 |
| | AMPS* | 10.18 | 10.88 | 11.64 | 12.19 | 12.41 | 13.30 | 14.09 | 14.51 | 14.56 | 14.07 |
| | HI PR | 236 | 251 | 262 | 255 | 266 | 298 | 329 | 351 | 351 | 331 |
| | LO PR | 29 | 38 | 49 | 60 | 62 | 78 | 95 | 106 | 106 | 95 |
| 1540 | MBh† | 10.70 | 13.92 | 19.79 | 21.97 | 24.27 | 31.25 | 37.32 | 38.65 | 39.48 | 41.14 |
| | T/R | 8.90 | 11.00 | 14.90 | 15.90 | 17.40 | 21.40 | 24.50 | 24.50 | 24.70 | 24.70 |
| | AMPS* | 10.18 | 11.29 | 11.70 | 12.15 | 12.43 | 13.36 | 14.07 | 14.15 | 14.23 | 14.31 |
| | HI PR | 233 | 232 | 256 | 250 | 257 | 286 | 315 | 335 | 336 | 333 |
| | LO PR | 28 | 41 | 49 | 59 | 63 | 77 | 90 | 100 | 101 | 101 |
| P*X442 (LOW CAPACITY) | | | | | | | | | | | |
| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 875 | MBh† | 5.96 | 8.91 | 11.75 | 14.47 | 16.19 | 20.07 | 23.41 | 27.47 | 30.07 | 36.59 |
| | T/R | 8.10 | 11.80 | 15.20 | 18.40 | 20.50 | 24.90 | 28.50 | 33.10 | 36.10 | 43.40 |
| | AMPS* | 9.29 | 9.38 | 9.69 | 9.87 | 9.77 | 10.05 | 10.09 | 10.33 | 10.75 | 11.24 |
| | HI PR | 228 | 242 | 255 | 268 | 275 | 289 | 287 | 306 | 327 | 361 |
| | LO PR | 33 | 41 | 51 | 62 | 64 | 78 | 97 | 109 | 114 | 132 |
| 975 | MBh† | 6.06 | 8.68 | 11.47 | 14.60 | 15.68 | 19.91 | 23.91 | 28.60 | 30.42 | 36.48 |
| | T/R | 7.30 | 10.30 | 13.20 | 16.60 | 17.70 | 22.10 | 26.00 | 30.80 | 32.60 | 38.50 |
| | AMPS* | 9.31 | 9.56 | 9.69 | 9.79 | 9.86 | 10.06 | 9.97 | 10.41 | 10.56 | 10.76 |
| | HI PR | 225 | 233 | 239 | 261 | 266 | 283 | 281 | 311 | 322 | 339 |
| | LO PR | 33 | 44 | 55 | 61 | 65 | 80 | 97 | 108 | 112 | 132 |
| 1075 | MBh† | 6.15 | 9.13 | 12.66 | 14.86 | 15.83 | 19.23 | 25.05 | 28.87 | 30.73 | 35.42 |
| | T/R | 6.80 | 9.80 | 13.20 | 15.30 | 16.20 | 19.20 | 24.60 | 28.00 | 29.70 | 33.60 |
| | AMPS* | 9.33 | 9.36 | 9.49 | 9.73 | 9.79 | 9.76 | 10.08 | 10.28 | 10.41 | 10.50 |
| | HI PR | 223 | 234 | 247 | 256 | 260 | 258 | 286 | 303 | 309 | 324 |
| | LO PR | 33 | 41 | 52 | 61 | 65 | 82 | 96 | 107 | 112 | 127 |

† Total capacities are net (I.D blower heat added) system capacities

* System amps are total of indoor and outdoor amps

HEAT PUMP HEATING EXPANDED PERFORMANCE DATA

P*X448 (HIGH CAPACITY)

| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
|------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 1440 | MBh† | 14.06 | 18.13 | 22.73 | 24.98 | 28.87 | 34.28 | 38.56 | 46.55 | 49.30 | 57.58 |
| | T/R | 11.00 | 14.10 | 17.60 | 19.20 | 22.20 | 26.30 | 29.40 | 35.60 | 37.70 | 44.00 |
| | AMPS* | 11.57 | 12.50 | 13.46 | 13.92 | 14.57 | 15.44 | 16.28 | 17.71 | 18.28 | 19.79 |
| | HI PR | 241 | 255 | 271 | 258 | 295 | 307 | 327 | 357 | 366 | 400 |
| | LO PR | 31 | 41 | 52 | 62 | 63 | 78 | 92 | 106 | 111 | 131 |
| 1600 | MBh† | 12.45 | 16.75 | 21.36 | 25.20 | 29.11 | 34.90 | 41.57 | 47.00 | 49.26 | 57.10 |
| | T/R | 8.70 | 11.70 | 14.80 | 17.40 | 20.10 | 24.00 | 28.50 | 32.10 | 33.70 | 38.90 |
| | AMPS* | 12.01 | 12.86 | 13.49 | 13.96 | 14.61 | 15.69 | 16.60 | 17.76 | 18.04 | 19.74 |
| | HI PR | 227 | 234 | 244 | 254 | 287 | 305 | 317 | 345 | 351 | 392 |
| | LO PR | 33 | 43 | 54 | 62 | 63 | 77 | 94 | 106 | 111 | 129 |
| 1760 | MBh† | 13.20 | 19.61 | 23.36 | 25.41 | 27.05 | 33.42 | 41.67 | 46.85 | 49.01 | 56.63 |
| | T/R | 8.40 | 12.40 | 14.70 | 15.90 | 16.90 | 20.80 | 25.80 | 29.00 | 30.30 | 34.90 |
| | AMPS* | 12.35 | 12.85 | 13.65 | 14.03 | 14.23 | 14.99 | 16.74 | 17.57 | 17.99 | 19.76 |
| | HI PR | 223 | 256 | 263 | 250 | 254 | 271 | 319 | 334 | 343 | 387 |
| | LO PR | 33 | 40 | 52 | 62 | 65 | 79 | 94 | 106 | 111 | 127 |

P*X448 (LOW CAPACITY)

| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
|------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 1000 | MBh† | 6.32 | 9.56 | 13.29 | 16.23 | 17.56 | 22.40 | 28.25 | 32.80 | 34.92 | 42.76 |
| | T/R | 7.90 | 11.50 | 15.50 | 18.60 | 19.90 | 24.70 | 30.40 | 34.80 | 36.80 | 44.20 |
| | AMPS* | 9.89 | 10.38 | 10.81 | 11.09 | 11.21 | 11.60 | 12.03 | 12.35 | 12.51 | 13.17 |
| | HI PR | 228 | 242 | 258 | 270 | 276 | 297 | 321 | 339 | 347 | 379 |
| | LO PR | 34 | 45 | 57 | 66 | 70 | 85 | 101 | 114 | 119 | 139 |
| 1100 | MBh† | 6.41 | 9.68 | 13.44 | 16.40 | 17.76 | 22.67 | 28.58 | 33.20 | 35.36 | 43.48 |
| | T/R | 7.20 | 10.60 | 14.20 | 17.00 | 18.20 | 22.60 | 27.80 | 31.80 | 33.70 | 40.60 |
| | AMPS* | 9.91 | 10.37 | 10.76 | 11.00 | 11.10 | 11.45 | 11.80 | 12.09 | 12.24 | 12.92 |
| | HI PR | 226 | 238 | 253 | 264 | 270 | 289 | 310 | 327 | 335 | 370 |
| | LO PR | 34 | 45 | 57 | 66 | 70 | 85 | 101 | 114 | 119 | 139 |
| 1200 | MBh† | 6.50 | 9.78 | 13.57 | 16.55 | 17.94 | 22.88 | 28.85 | 33.54 | 35.71 | 42.76 |
| | T/R | 6.70 | 9.80 | 13.10 | 15.70 | 16.80 | 20.90 | 25.70 | 29.30 | 31.00 | 44.20 |
| | AMPS* | 9.95 | 10.37 | 10.72 | 10.94 | 11.03 | 11.33 | 11.64 | 11.90 | 12.03 | 13.17 |
| | HI PR | 224 | 236 | 249 | 259 | 264 | 282 | 302 | 317 | 325 | 379 |
| | LO PR | 34 | 45 | 56 | 66 | 70 | 85 | 101 | 113 | 119 | 139 |

† Total capacities are net (I.D blower heat added) system capacities

* System amps are total of indoor and outdoor amps

HEAT PUMP HEATING EXPANDED PERFORMANCE DATA

| P*X460 (HIGH CAPACITY) | | | | | | | | | | | |
|------------------------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 1575 | MBh† | 16.93 | 21.89 | 29.76 | 32.08 | 33.99 | 40.90 | 48.34 | 55.96 | 57.86 | 69.44 |
| | T/R | 11.30 | 14.70 | 20.00 | 21.50 | 22.80 | 27.40 | 32.50 | 37.80 | 39.10 | 47.30 |
| | AMPS* | 14.57 | 15.52 | 16.18 | 17.22 | 17.54 | 18.71 | 19.98 | 21.87 | 21.68 | 24.48 |
| | HI PR | 228 | 237 | 276 | 260 | 265 | 282 | 301 | 348 | 328 | 387 |
| | LO PR | 32 | 41 | 47 | 58 | 62 | 74 | 90 | 101 | 108 | 127 |
| 1750 | MBh† | 18.19 | 24.51 | 30.14 | 32.40 | 34.33 | 41.42 | 48.67 | 57.00 | 59.06 | 70.52 |
| | T/R | 11.00 | 14.80 | 18.10 | 19.50 | 20.60 | 24.90 | 29.30 | 34.50 | 35.70 | 42.90 |
| | AMPS* | 14.13 | 14.97 | 16.20 | 17.20 | 17.51 | 18.62 | 19.74 | 21.36 | 21.46 | 23.74 |
| | HI PR | 238 | 258 | 268 | 255 | 259 | 275 | 291 | 319 | 319 | 357 |
| | LO PR | 29 | 37 | 47 | 58 | 61 | 75 | 90 | 102 | 108 | 127 |
| 1925 | MBh† | 18.67 | 24.97 | 30.54 | 32.74 | 34.69 | 41.80 | 49.23 | 57.69 | 60.60 | 71.70 |
| | T/R | 10.20 | 13.60 | 16.70 | 17.80 | 18.90 | 22.80 | 26.80 | 31.50 | 33.20 | 39.40 |
| | AMPS* | 14.29 | 14.98 | 16.28 | 17.24 | 17.53 | 18.57 | 19.63 | 21.20 | 21.74 | 23.59 |
| | HI PR | 235 | 250 | 263 | 251 | 255 | 269 | 283 | 312 | 326 | 349 |
| | LO PR | 30 | 37 | 47 | 58 | 61 | 75 | 90 | 101 | 106 | 126 |
| P*X460 (LOW CAPACITY) | | | | | | | | | | | |
| CFM | | Outdoor Ambient Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | -10 | 0 | 10 | 17 | 20 | 30 | 40 | 47 | 50 | 60 |
| | | Entering Indoor Temperature - Degrees F, Dry Bulb | | | | | | | | | |
| | | 70 | | | | | | | | | |
| 1170 | MBh† | 10.45 | 13.87 | 18.17 | 22.17 | 23.50 | 27.18 | 33.52 | 38.70 | 42.76 | 52.47 |
| | T/R | 12.00 | 15.30 | 19.30 | 22.90 | 24.00 | 26.80 | 32.00 | 36.20 | 39.80 | 47.70 |
| | AMPS* | 12.96 | 13.13 | 13.23 | 13.59 | 13.73 | 14.03 | 14.35 | 14.72 | 15.46 | 16.54 |
| | HI PR | 233 | 243 | 261 | 286 | 292 | 281 | 300 | 317 | 345 | 384 |
| | LO PR | 33 | 43 | 54 | 61 | 66 | 82 | 97 | 109 | 115 | 135 |
| 1300 | MBh† | 10.48 | 13.79 | 17.51 | 22.00 | 22.05 | 28.54 | 33.83 | 40.60 | 43.20 | 52.30 |
| | T/R | 10.80 | 13.60 | 16.60 | 20.40 | 20.20 | 25.20 | 28.90 | 34.10 | 36.00 | 42.40 |
| | AMPS* | 12.90 | 13.12 | 13.37 | 13.35 | 13.63 | 14.05 | 14.01 | 14.78 | 15.01 | 15.59 |
| | HI PR | 230 | 237 | 246 | 274 | 260 | 299 | 291 | 322 | 331 | 358 |
| | LO PR | 33 | 43 | 55 | 62 | 68 | 81 | 97 | 109 | 114 | 134 |
| 1430 | MBh† | 10.49 | 14.01 | 17.67 | 22.20 | 22.19 | 27.64 | 35.80 | 40.95 | 43.58 | 51.47 |
| | T/R | 9.80 | 12.60 | 15.20 | 18.60 | 18.40 | 22.10 | 27.80 | 31.10 | 32.80 | 37.60 |
| | AMPS* | 12.87 | 12.87 | 13.31 | 13.25 | 13.45 | 13.54 | 14.14 | 14.53 | 14.73 | 15.13 |
| | HI PR | 227 | 236 | 243 | 270 | 255 | 267 | 303 | 316 | 322 | 343 |
| | LO PR | 33 | 42 | 54 | 62 | 68 | 81 | 96 | 108 | 114 | 132 |

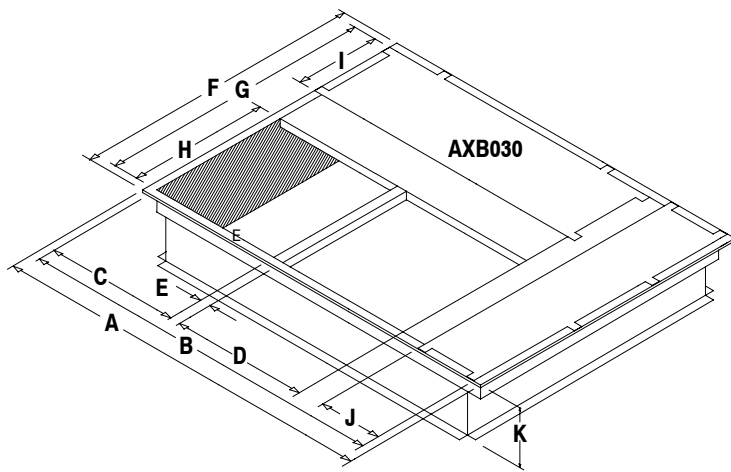
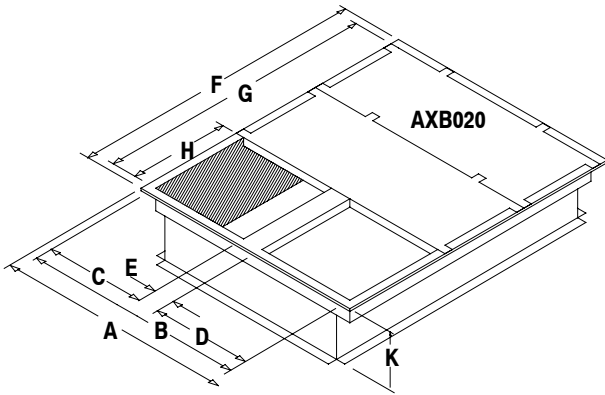
† Total capacities are net (I.D blower heat added) system capacities

* System amps are total of indoor and outdoor amps

ACCESSORIES

ROOF CURBS

| Model Number | Height (K) - inches (mm) | Use With Model Size |
|--------------|--------------------------|---------------------|
| AXB020CLA | 8" (203.2) | 24, 30 |
| AXB020CMA | 14" (355.6) | |
| AXB020CHA | 24" (609.6) | |
| AXB030CLA | 8" (203.2) | 36, 42, 48, 60 |
| AXB030CMA | 14" (355.6) | |
| AXB030CHA | 24" (609.6) | |



ROOF CURB DIMENSIONS inches (mm)

| Model Number | A | B | C | D | E | F | G | H | I | J | K (LA) | K (MA) | K (HA) |
|----------------|------------------|------------------|-------------|-------------|-----------------|------------------|------------------|-------------|-------------|-------------|------------|-------------|-------------|
| AXB020(L,M,H)A | 42-3/4 (1086) | 39-3/4 (1010) | 18 (457) | 18 (457) | 3-3/4 (95) | 42-3/4 (1086) | 39-3/4 (1010) | 18 (457) | - | - | 8 (210) | 14 (356) | 24 (610) |
| AXB030(L,M,H)A | 67-3/4 (1721) | 64-3/4 (1721) | 23 (584) | 23 (584) | 2-1/2 (63.5) | 42-3/4 (1086) | 39-3/4 (1010) | 23 (584) | 12 (305) | 12 (305) | 8 (210) | 14 (356) | 24 (610) |

SQUARE to ROUND TRANSITION inches (mm)

| Model Number | Round Size | Use With Roof Curb | Use With Model Size |
|--------------|------------|---------------------------------|---------------------|
| AXB020CTA | 16" (406) | AXB020CLA, AXB020CMA, AXB020CHA | 24, 30 |
| AXB030CTA | 18" (457) | AXB030CLA, AXB030CMA, AXB030CHA | 36, 42, 48, 60 |

CONCENTRIC GRILLE - FLUSH MOUNT

| Model Number | Use With Roof Curb | Use With Model Size |
|--------------|---------------------------------|---------------------|
| AXB020CFA | AXB020CLA, AXB020CMA, AXB020CHA | 24, 30 |
| AXB030CFA | AXB030CLA, AXB030CMA, AXB030CHA | 36, 42, 48, 60 |

CONCENTRIC GRILLE - STEP DOWN

| Model Number | Use With Roof Curb | Use With Model Size |
|--------------|---------------------------------|---------------------|
| AXB020CSA | AXB020CLA, AXB020CMA, AXB020CHA | 24, 30 |
| AXB030CSA | AXB030CLA, AXB030CMA, AXB030CHA | 36, 42, 48, 60 |

ACCESSORIES

ECONOMIZERS (ALL FULLY MODULATING)*

| Part Number | Application | Motion | Control | Use With Model Size |
|-------------|-------------|--|---------------|---------------------|
| AXB020HED | Horizontal | Fully Modulating w/ Return Air Damper w/ Relief Damper | Enthalpy | 24, 30 |
| AXB030HED | | | | 36, 42, 48, 60 |
| AXB020EMD | Downflow | | | 24, 30 |
| AXB030EME | | | | 36, 42, 48, 60 |
| AXB020HPE | Horizontal | Fully Modulating w/ Return Air Damper w/ Relief Damper | Dry Bulb Only | 24, 30 |
| AXB030HPE | | | | 36, 42, 48, 60 |
| AXB020EPE | Downflow | | | 24, 30 |
| AXB030EPF | | | | 36, 42, 48, 60 |

- * Three position economizers no longer available.
Economizers for model sizes 24 & 30 include Filters and Filter Racks.
Economizers for model sizes 36, 42, 48, and 60 do NOT include Filters (Filter Racks shipped with unit).

0% - 25% FRESH AIR DAMPERS (use in DOWNFLOW application only) *

| Model Number | Control | Use With Model Size |
|--------------|-----------|---------------------|
| AXB020FAC | Manual | 24, 30 |
| AXB030FAC | | 36, 42, 48, 60 |
| AXB020FMC | Motorized | 24, 30 |
| AXB030FMC | | 36, 42, 48, 60 |

- * Unit must have internal filters to protect evaporator coil when Fresh Air Damper is installed.
Model sizes 24 & 30 shipped WITHOUT Filter Racks or Filters.
Model sizes 36, 42, 48, and 60 shipped WITH Internal Filter Racks, but WITHOUT Filters.

FILTER RACK and FILTER * inches (mm)

| Model Number | Application | Filter Location | Filter Size | Use With Model Size |
|--------------|-------------|-----------------|------------------------------|---------------------|
| AXB020FKA | Downflow | Internal | 18 x 25 x 1 (457 x 635 x 25) | 24, 30 |
| AXB020FHC | Horizontal | External | 20 x 25 x 1 (508 x 635 x 25) | |

- * Model sizes 24 & 30 shipped WITHOUT Filter Racks or Filters.
Model sizes 36, 42, 48, and 60 shipped WITH Internal Filter Racks, but WITHOUT Filters.

LOW AMBIENT CONTROL

| Model Number | FAST Part Number | Description | Use With Model Size |
|--------------|------------------|---|---------------------|
| ALA14CU0A | n/a | Pressure switch cycles condenser fan | ALL |
| n/a | 1148232 | Freeze 'stat, opens 30° F, closes 50° F | ALL |

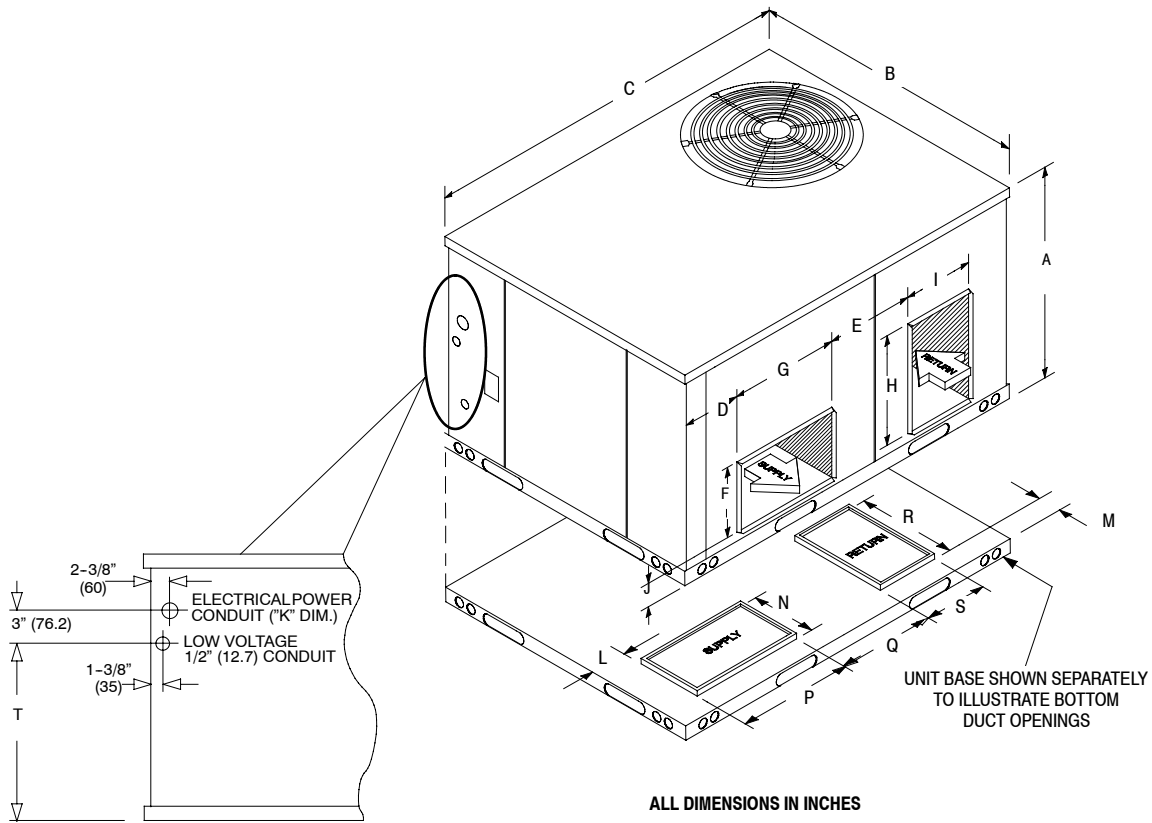
COIL PROTECTION

| FAST Part Number | Description | Use With Model Size |
|------------------|--------------------------------|---------------------|
| 1149485 | Coil Guard, black, two-piece | 24, 30 |
| 1068133 | Hail Guard, black, two-piece | 24, 30 |
| 1149486 | Coil Guard, black, three-piece | 36, 42, 48, 60 |
| 1068134 | Hail Guard, black, three-piece | 36, 42, 48, 60 |

OUTDOOR THERMOSTAT

| Model Number | Description | Use With Model Size |
|--------------|---------------------|---------------------|
| AMF002OTA | 2 Stage, Electronic | ALL |

UNIT DIMENSIONS



| Model Size (Ton) | A | B | C | D | E | F | G | H | I | J | K | L | M | N** | P** | Q | R | S | T | Bottom L x W * Inside Base Rail |
|------------------|--------------|---------------|---------------|-------------|--------------|----------|--------------|--------------|----------|---------|---------------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------------------------|
| 2, 2 1/2 | 32-1/2 (825) | 47-3/8 (1203) | 47-3/8 (1203) | 3-1/8 (79) | 11-1/8 (283) | 12 (305) | 14-1/4 (362) | 14-1/4 (362) | 12 (305) | 4 (102) | 3/4 & 1 (19 & 25) | 4-1/4 (108) | 4-3/8 (111) | 14-1/2 (368) | 12-1/4 (311) | 12-1/8 (308) | 14-1/4 (362) | 12-1/4 (311) | 21-1/2 (546) | 43-1/8 x 43-1/8 (1095 x 1095) |
| 3, 3 1/2 | 36 (914) | 47-3/8 (1203) | 73 (1854) | 4-5/8 (117) | 15 (381) | 12 (305) | 18-3/4 (476) | 18-3/4 (476) | 12 (305) | 4 (102) | 1 & 1-1/4 (25 & 32) | 4-1/4 (108) | 5-1/4 (133) | 12-1/4 (311) | 19 (483) | 15 (381) | 19 (483) | 12-1/4 (311) | 25-1/16 (637) | 68-3/4 x 43-1/8 (1746 x 1095) |
| 4, 5 | 42 (1067) | 47-3/8 (1203) | 73 (1854) | 4-5/8 (117) | 15 (381) | 12 (305) | 18-3/4 (476) | 18-3/4 (476) | 12 (305) | 4 (102) | 1 & 1-1/4 (25 & 32) | 4-1/4 (108) | 5-1/4 (133) | 12-1/4 (311) | 19 (483) | 15 (381) | 19 (483) | 12-1/4 (311) | 31-1/16 (789) | 68-3/4 x 43-1/8 (1746 x 1095) |

** The supply opening in the drawing is shown for the orientation in the 3 to 5 Ton units. The opening for the 2 to 2-1/2 Ton units is rotated 90°, so the N and P dimensions are correct.

MODEL NOMENCLATURE

| | | | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|-----------|------------|----------|-----------|----------|----------|
| MODEL SERIES | P | H | X | 4 | 36 | 000 | K | 00 | A | 1 |
| P = Package | | | | | | | | | | |
| H = Heat Pump | | | | | | | | | | |
| X = R-410A | | | | | | | | | | |
| 4 = 14 | | | | | | | | | | |
| SEER | | | | | | | | | | |
| 24 = 24,000 BTUH = 2 Tons | | | | | | | | | | |
| 30 = 30,000 BTUH = 2.5 Tons | | | | | | | | | | |
| 36 = 36,000 BTUH = 3 Tons | | | | | | | | | | |
| 42 = 42,000 BTUH = 3.5 Tons | | | | | | | | | | |
| 48 = 48,000 BTUH = 4 Tons | | | | | | | | | | |
| 60 = 60,000 BTUH = 5 Tons | | | | | | | | | | |
| NOMINAL COOLING BTUH | | | | | | | | | | |
| 000 = No heat | | | | | | | | | | |
| NOMINAL HEATING BTUH | | | | | | | | | | |
| K = 208/230-1-60 | | | | | | | | | | |
| VOLTAGE | | | | | | | | | | |
| 00 = No Options | | | | | | | | | | |
| FACTORY INSTALLED OPTIONS | | | | | | | | | | |
| Sales Model Digit | | | | | | | | | | |
| Engineering Digit | | | | | | | | | | |

GUIDE SPECIFICATIONS

CABINET

The cabinet is made of G-90 galvanized steel, phosphate coated with a tough acrylic finish coat for long lasting weatherproof construction. The base rails are 18 gauge steel with fork lift slots and holes provided for lifting shackles. The unit is designed with convertible airflow for either horizontal or downflow applications with conversion accomplished by relocating two panels. Indoor blower compartment interior cabinet surfaces are insulated with a minimum 3/4" thick, flexible glass insulation, coated on the air side. Aluminum foil faced glass fiber insulation is used in the furnace compartment.

COOLING SECTION

The unit is factory charged and operationally ready upon delivery. The unit refrigerant circuit has a high efficiency fully hermetic compressor with internal overload protection, and copper tube / aluminum fin evaporator and condenser coils. The unit is designed for cooling operation to 40° F and will be capable of being wired for field installed economizer type accessories.

COILS

The evaporator and condenser coils are fabricated with aluminum fins mechanically bonded to copper tubing. Both coils are pressure tested prior to assembly into the unit and electronically leak tested after assembly into the unit.

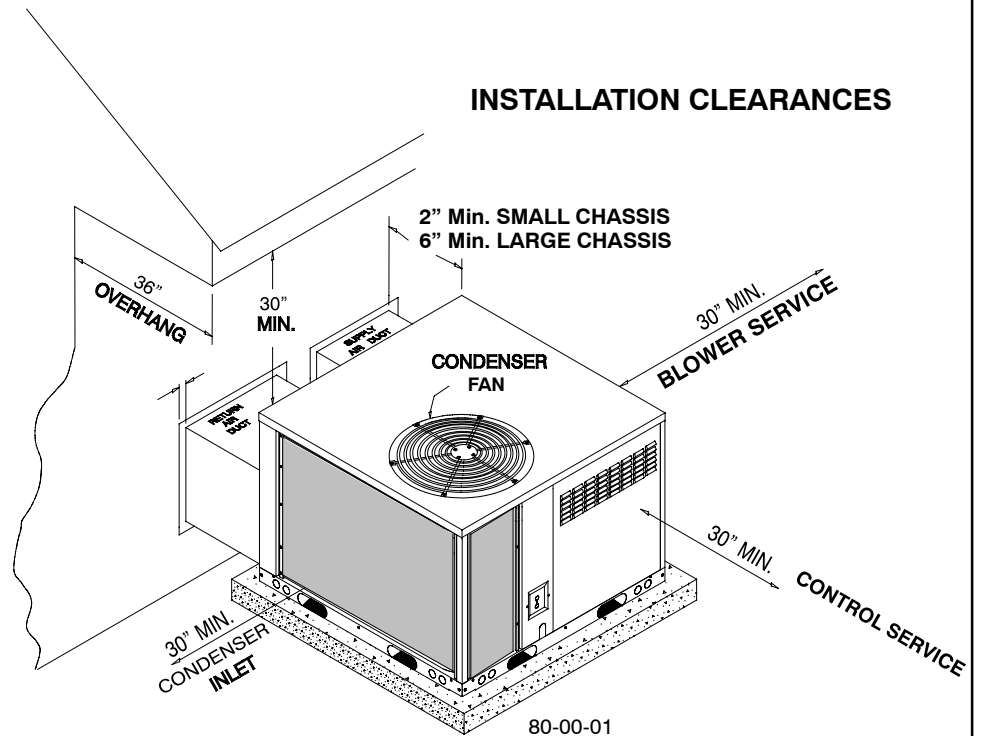
CONDENSER FAN

The unit has a single direct-drive propeller-fan / motor assembly. The assembly is mounted directly to a vertical-discharge grille that is easily removed for service. Motors are 1100 RPM with sleeve or ball bearings and internal overload protection.

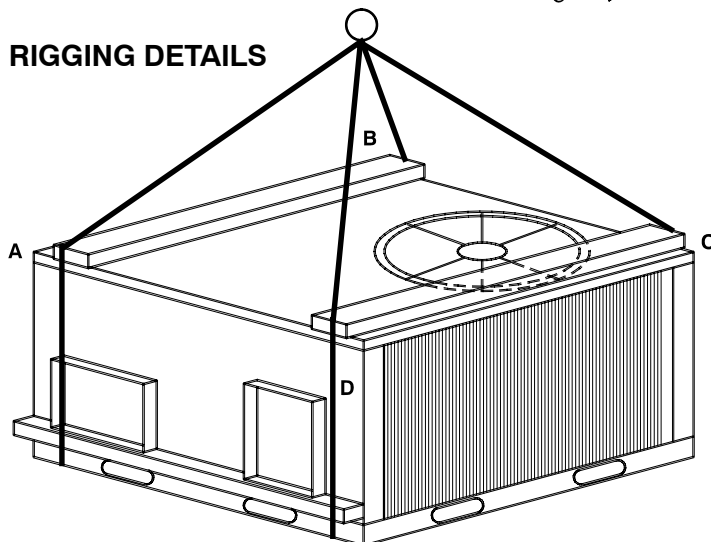
EVAPORATOR BLOWER

All units have a direct-drive evaporator blower motor as a standard. The direct-drive evaporator blower motor has sleeve bearings and internal overload protection.

INSTALLATION CLEARANCES



RIGGING DETAILS



CORNER WEIGHTS (LBS)

| MODEL | A | B | C | D | OPERATING WEIGHT TOTAL |
|--------|-----|-----|-----|-----|------------------------|
| PHX424 | 81 | 114 | 123 | 91 | 410 |
| PHX430 | 81 | 114 | 123 | 91 | 410 |
| PHX436 | 91 | 124 | 133 | 94 | 442 |
| PHX442 | 117 | 160 | 171 | 121 | 568 |
| PHX448 | 134 | 159 | 172 | 135 | 599 |
| PHX460 | 128 | 173 | 181 | 142 | 624 |