



Air Conditioning & Heating

# GPC14H

## 2- TO 5-TON PACKAGED AIR CONDITIONER UP TO 14 SEER

**COOLING CAPACITY: 24,000 - 57,500 BTU/H**



### Product Features

- Energy-efficient compressor with internal relief valve
- EEM blower motor
- Quiet horizontal discharge
- Copper tube / aluminum fin condensor coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- 5 kW to 20 kW electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed

### Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Fully insulated blower compartment with convenient access panels
- Louvered condenser coil protection
- One footprint; three heights

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

NOMENCLATURE

|   | <b>G</b> | <b>P</b> | <b>C</b> | <b>14</b> | <b>36</b> | <b>H</b> | <b>4</b> | <b>1</b> | <b>A</b> | <b>*</b> |   |
|---|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|----------|---|
|   | 1        | 2        | 3        | 4,5       | 6,7       | 8        | 9        | 10       | 11       | 12       |   |
| <b>Brand</b><br>G Goodman<br>or Distinctions™   |          |          |          |           |           |          |          |          |          |          | <b>Engineering</b><br>Minor Revision  |
| <b>Product Category</b><br>P Packaged Unit  |          |          |          |           |           |          |          |          |          |          | <b>Engineering</b><br>Major Revision  |
| <b>Type</b><br>H Heat Pump<br>C Air Conditioner   |          |          |          |           |           |          |          |          |          |          | <b>Voltage Designator</b><br>1 208-230/1/60<br>3 208-230/3/60<br>4 460/3/60 |
| <b>Efficiency</b><br>13 13 SEER    15 15 SEER<br>14 14 SEER    16 16 SEER                               |          |          |          |           |           |          |          |          |          |          | <b>Refrigerant</b><br>2 R-22<br>4 R-410A                                    |
| <b>Nominal Capacity</b><br>24 2 Tons    42 3½ Tons<br>30 2½ tons    48 4 Tons<br>36 3 Tons    60 5 Tons |          |          |          |           |           |          |          |          |          |          | <b>Configuration</b><br>H Horizontal<br>M Multi-position                    |



**SPECIFICATIONS**

| MODELS  | GPC14<br>24H41AC | GPC14<br>24H41B* | GPC14<br>24H41C* | GPC14<br>30H41AC | GPC14<br>30H41B* | GPC14<br>30H41C* |
|---|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>COOLING CAPACITY</b>                         |                  |                  |                  |                  |                  |                  |
| Cooling Capacity (BTU/h)                        | 24,000           | 24,000           | 23,600           | 28,400           | 28,400           | 28,400           |
| Sensible BTU/h                                  | 18,200           | 18,200           | 17,700           | 21,600           | 21,600           | 21,600           |
| SEER / EER                                      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      |
| Decibels  | 76               | 76               | 76               | 76               | 76               | 76               |
| AHRI Numbers                                    | 4635463          | 5265765          | 5732583          | 4635464          | 5265766          | 5677886          |
| <b>EVAPORATOR MOTOR</b>                         |                  |                  |                  |                  |                  |                  |
| Type  | EEM              | EEM              | EEM              | EEM              | EEM              | EEM              |
| Wheel (D x W)                                   | 10 x 8           | 10 x 8           | 10 x 8           | 10 x 8           | 10 x 8           | 10 x 8           |
| Cooling CFM                                     | 875              | 875              | 875              | 1,050            | 1,050            | 1,050            |
| Fan-Only CFM                                    | 800              | 800              | 800              | 950              | 950              | 950              |
| RLA   | 1.5              | 1.5              | 1.5              | 1.86             | 1.86             | 1.86             |
| No. of Speeds                                   | 5                | 5                | 5                | 5                | 5                | 5                |
| Horsepower - RPM                                | ½ - 1050         | ½ - 1050         | ½ - 1050         | ½ - 1050         | ½ - 1050         | ½ - 1050         |
| <b>EVAPORATOR COIL</b>                          |                  |                  |                  |                  |                  |                  |
| Face Area (ft <sup>2</sup> )                    | 5.25             | 4.66             | 4.66             | 5.25             | 5.25             | 5.25             |
| Rows Deep/ Fins per Inch                        | 3/ 16            | 3/ 16            | 3/ 16            | 3/ 16            | 3/ 16            | 3/ 16            |
| Indoor Orifice Size                             | 0.057            | 0.057            | 0.057            | 0.062            | 0.062            | 0.062            |
| Filter Size (")                                 | 20 x 20 x 1      | 20 x 20 x 1      | 20 x 20 x 1      | 20 x 25 x 1      | 20 x 25 x 1      | 20 x 25 x 1      |
| All-aluminum coil                               | ---              | X                | X                | ---              | X                | X                |
| Drain Size (NPT)                                | ¾"               | ¾"               | ¾"               | ¾"               | ¾"               | ¾"               |
| Refrigerant Charge (oz.)                        | 59               | 59               | 60               | 53               | 61               | 61               |
| <b>CONDENSER FAN / COIL</b>                     |                  |                  |                  |                  |                  |                  |
| Horsepower - RPM                                | 1/6 - 815        | 1/6 - 815        | 1/6 - 815        | 1/6 - 815        | 1/6 - 815        | 1/6 - 815        |
| RLA/LRA   | 1.1 / 1.7        | 1.1 / 1.7        | 1.1 / 1.7        | 1.1 / 1.7        | 1.1 / 1.7        | 1.1 / 1.7        |
| Fan Diameter/ # Fan Blades                      | 22 / 2           | 22 / 2           | 22 / 2           | 22 / 2           | 22 / 2           | 22 / 2           |
| Face Area (ft <sup>2</sup> )                    | 12.3             | 12.3             | 12.3             | 12.3             | 12.3             | 12.3             |
| Rows Deep/ Fins per Inch                        | 1 / 26           | 1 / 26           | 1 / 26           | 1 / 26           | 1 / 26           | 1 / 26           |
| <b>COMPRESSOR</b>                               |                  |                  |                  |                  |                  |                  |
| Quantity / Type                                 | 1 / Scroll       | 1 / Scroll       | 1 / Rotary       | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       |
| Stage   | Single           | Single           | Single           | Single           | Single           | Single           |
| Compressor RLA/LRA                              | 13.5 / 58.3      | 13.5 / 58.3      | 7.7/37           | 12.8 / 64        | 12.8 / 64        | 12.8 / 64        |
| <b>ELECTRICAL DATA</b>                          |                  |                  |                  |                  |                  |                  |
| Voltage-Phase                                   | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        |
| Indoor Blower FLA                               | 1.5              | 1.5              | 1.5              | 1.86             | 1.86             | 1.86             |
| Outdoor Fan RLA                                 | 1.1              | 1.1              | 1.1              | 1.1              | 1.1              | 1.1              |
| Total Unit Amps                                 | 16.1             | 16.1             | 10.3             | 15.76            | 15.76            | 15.76            |
| Min. Circuit Ampacity <sup>1</sup>              | 19.5             | 19.5             | 12.2             | 19               | 19               | 19               |
| Max. Overcurrent Protection (amps) <sup>2</sup> | 30               | 30               | 15               | 30               | 30               | 30               |
| <b>SHIP WEIGHT (LBS)</b>                        | 290              | 305              | 305              | 290              | 310              | 310              |
| <b>OPERATING WEIGHT (LBS)</b>                   | 280              | 310              | 310              | 280              | 315              | 315              |

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

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

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

**SPECIFICATIONS**

| <b>MODELS</b>                                   | GPC14<br>36H41AC | GPC14<br>36H41B* | GPC14<br>36H41C* | GPC14<br>42H41AC | GPC14<br>42H41B* | GPC14<br>42H41C* |
|---|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>COOLING CAPACITY</b>                         |                  |                  |                  |                  |                  |                  |
| Cooling Capacity (BTU/h)                        | 35,600           | 35,600           | 35,600           | 40,000           | 40,000           | 40,000           |
| Sensible BTU/h                                  | 27,100           | 27,100           | 27,100           | 30,400           | 30,400           | 30,400           |
| SEER / EER                                      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      |
| Decibels  | 78               | 78               | 78               | 78               | 78               | 78               |
| AHRI Numbers                                    | 4635465          | 5265767          | 5677887          | 4635466          | 5265768          | 5677888          |
| <b>EVAPORATOR MOTOR</b>                         |                  |                  |                  |                  |                  |                  |
| Type  | EEM              | EEM              | EEM              | EEM              | EEM              | EEM              |
| Wheel (D x W)                                   | 10 x 8           | 10 x 8           | 10 x 8           | 10 x 8           | 10 x 8           | 10 x 8           |
| Cooling CFM                                     | 1,200            | 1,200            | 1,200            | 1,200            | 1,200            | 1,200            |
| Fan-Only CFM                                    | 1,100            | 1,100            | 1,100            | 1,200            | 1,200            | 1,200            |
| RLA   | 1.86             | 1.86             | 1.86             | 2.9              | 2.9              | 2.9              |
| No. of Speeds                                   | 5                | 5                | 5                | 5                | 5                | 5                |
| Horsepower - RPM                                | ½ - 1050         | ½ - 1050         | ½ - 1050         | ½ - 1050         | ½ - 1050         | ½ - 1050         |
| <b>EVAPORATOR COIL</b>                          |                  |                  |                  |                  |                  |                  |
| Face Area (ft <sup>2</sup> )                    | 5.2              | 5.25             | 5.25             | 6.2              | 6.2              | 6.2              |
| Rows Deep/ Fins per Inch                        | 3/ 14            | 3/ 14            | 3/ 14            | 4/ 14            | 4/ 14            | 4/ 14            |
| Indoor Orifice Size                             | 0.068            | 0.068            | 0.068            | 0.072            | 0.072            | 0.072            |
| Filter Size (")                                 | 25 x 25 x 1      | 25 x 25 x 1      | 25 x 25 x 1      | (2) 20 x 20 x 1  | (2) 20 x 20 x 1  | (2) 20 x 20 x 1  |
| All-aluminum coil                               | ---              | X                | X                | ---              | X                | X                |
| Drain Size (NPT)                                | ¾"               | ¾"               | ¾"               | ¾"               | ¾"               | ¾"               |
| Refrigerant Charge (oz.)                        | 65               | 65               | 65               | 94               | 94               | 94               |
| <b>CONDENSER FAN / COIL</b>                     |                  |                  |                  |                  |                  |                  |
| Horsepower - RPM                                | ¼ - 830          | ¼ - 830          | ¼ - 830          | ¼ - 1075         | ¼ - 1075         | ¼ - 1075         |
| RLA/LRA   | 1.5 / 3.0        | 1.5 / 3.0        | 1.5 / 3.0        | 1.4 / 2.9        | 1.4 / 2.9        | 1.4 / 2.9        |
| Fan Diameter/ # Fan Blades                      | 22 / 3           | 22 / 3           | 22 / 3           | 22 / 4           | 22 / 4           | 22 / 4           |
| Face Area (ft <sup>2</sup> )                    | 12.3             | 12.3             | 12.3             | 16               | 16               | 16               |
| Rows Deep/ Fins per Inch                        | 1 / 26           | 1 / 26           | 1 / 26           | 1 / 28           | 1 / 28           | 1 / 28           |
| <b>COMPRESSOR</b>                               |                  |                  |                  |                  |                  |                  |
| Quantity / Type                                 | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       |
| Stage   | Single           | Single           | Single           | Single           | Single           | Single           |
| Compressor RLA/LRA                              | 16.7 / 79        | 16.7 / 79        | 16.7 / 79        | 17.9 / 112       | 17.9 / 112       | 17.9 / 112       |
| <b>ELECTRICAL DATA</b>                          |                  |                  |                  |                  |                  |                  |
| Voltage-Phase                                   | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        |
| Indoor Blower FLA                               | 1.86             | 1.86             | 1.86             | 2.9              | 2.9              | 2.9              |
| Outdoor Fan RLA                                 | 1.5              | 1.5              | 1.5              | 1.4              | 1.4              | 1.4              |
| Total Unit Amps                                 | 20.06            | 20.06            | 20.06            | 22.2             | 22.2             | 22.2             |
| Min. Circuit Ampacity <sup>1</sup>              | 24.2             | 24.2             | 24.2             | 26.6             | 26.6             | 26.6             |
| Max. Overcurrent Protection (amps) <sup>2</sup> | 40               | 40               | 40               | 40               | 40               | 40               |
| <b>SHIP WEIGHT (LBS)</b>                        | 370              | 315              | 315              | 370              | 360              | 360              |
| <b>OPERATING WEIGHT (LBS)</b>                   | 360              | 320              | 320              | 360              | 365              | 365              |

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

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

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

**SPECIFICATIONS**

| MODELS  | GPC14<br>48H41AC | GPC14<br>48H41B* | GPC14<br>48H41C* | GPC14<br>60H41A* | GPC14<br>60H41B* | GPC14<br>60H41C* |
|---|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>COOLING CAPACITY</b>                         |                  |                  |                  |                  |                  |                  |
| Cooling Capacity (BTU/h)                        | 46,000           | 46,000           | 46,000           | 57,500           | 57,500           | 57,500           |
| Sensible BTU/h                                  | 35,300           | 35,300           | 35,300           | 40,800           | 40,800           | 40,800           |
| SEER / EER                                      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      | 14.0 / 12.0      |
| Decibels  | 80               | 80               | 80               | 80               | 80               | 80               |
| AHRI Numbers                                    | 4635467          | 5265769          | 5677889          | 4385084          | 5265776          | 5677890          |
| <b>EVAPORATOR MOTOR</b>                         |                  |                  |                  |                  |                  |                  |
| Type  | EEM              | EEM              | EEM              | EEM              | EEM              | EEM              |
| Wheel (D x W)                                   | 10 x 8           | 10 x 8           | 10 x 8           | 11 x 8           | 11 x 8           | 11 x 8           |
| Cooling CFM                                     | 1,600            | 1,600            | 1,600            | 1,600            | 1,700            | 1,700            |
| Fan-Only CFM                                    | 1,400            | 1,400            | 1,400            | 1,600            | 1,700            | 1,700            |
| RLA   | 2.9              | 2.9              | 2.9              | 2.9              | 2.9              | 2.9              |
| No. of Speeds                                   | 5                | 5                | 5                | 5                | 5                | 5                |
| Horsepower - RPM                                | ¾ - 1050         | ¾ - 1050         | ¾ - 1050         | ¾ - 1050         | ¾ - 1050         | ¾ - 1050         |
| <b>EVAPORATOR COIL</b>                          |                  |                  |                  |                  |                  |                  |
| Face Area (ft <sup>2</sup> )                    | 6.2              | 6.2              | 6.2              | 7.0              | 7.0              | 7                |
| Rows Deep/ Fins per Inch                        | 4/ 14            | 4/ 14            | 4/ 14            | 4/ 14            | 4/ 14            | 4/ 14            |
| Indoor Orifice Size                             | 0.078            | 0.078            | 0.078            | 0.088            | 0.086            | 0.086            |
| Filter Size (")                                 | (2) 20 x 20 x 1  | (2) 20 x 20 x 1  | (2) 20 x 20 x 1  | (2) 20 x 25 x 1  | (2) 20 x 25 x 1  | (2) 20 x 25 x 1  |
| All-aluminum coil                               | ---              | X                | X                | ---              | X                | X                |
| Drain Size (NPT)                                | ¾"               | ¾"               | ¾"               | ¾"               | ¾"               | ¾"               |
| Refrigerant Charge (oz.)                        | 90               | 90               | 90               | 190              | 110              | 110              |
| <b>CONDENSER FAN / COIL</b>                     |                  |                  |                  |                  |                  |                  |
| Horsepower - RPM                                | ¾ - 1075         | ¾ - 1075         | ¾ - 1075         | ¾ - 1075         | ¾ - 1075         | ¾ - 1075         |
| RLA/LRA   | 1.4 / 2.9        | 1.4 / 2.9        | 1.4 / 2.9        | 1.4 / 2.9        | 1.4 / 2.9        | 1.4 / 2.9        |
| Fan Diameter/ # Fan Blades                      | 22 / 4           | 22 / 4           | 22 / 4           | 22 / 4           | 22 / 4           | 22 / 4           |
| Face Area (ft <sup>2</sup> )                    | 19.5             | 19.5             | 19.5             | 19.1             | 17.0             | 17               |
| Rows Deep/ Fins per Inch                        | 1 / 28           | 1 / 28           | 1 / 28           | 2 / 16           | 2 / 28           | 2 / 28           |
| <b>COMPRESSOR</b>                               |                  |                  |                  |                  |                  |                  |
| Quantity / Type                                 | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       | 1 / Scroll       |
| Stage   | Single           | Single           | Single           | Single           | Single           | Single           |
| Compressor RLA/LRA                              | 19.9 / 109       | 19.9 / 109       | 19.9 / 109       | 26.4 / 134       | 26.4 / 134       | 26.4 / 134       |
| <b>ELECTRICAL DATA</b>                          |                  |                  |                  |                  |                  |                  |
| Voltage-Phase                                   | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        | 208/230-1        |
| Indoor Blower FLA                               | 2.9              | 2.9              | 2.9              | 2.9              | 2.9              | 2.9              |
| Outdoor Fan RLA                                 | 1.4              | 1.4              | 1.4              | 1.4              | 1.4              | 1.4              |
| Total Unit Amps                                 | 24.2             | 24.2             | 24.2             | 30.7             | 30.7             | 30.7             |
| Min. Circuit Ampacity <sup>1</sup>              | 29.1             | 29.1             | 29.1             | 37.3             | 37.3             | 37.3             |
| Max. Overcurrent Protection (amps) <sup>2</sup> | 45               | 45               | 45               | 60               | 60               | 60               |
| <b>SHIP WEIGHT (LBS)</b>                        | 400              | 370              | 370              | 400              | 375              | 375              |
| <b>OPERATING WEIGHT (LBS)</b>                   | 390              | 375              | 375              | 390              | 380              | 380              |

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

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

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

EXPANDED COOLING DATA — GPC1424H41\*\*

| IDB | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|     |         | 65                          |      |      |      | 75   |      |      |      | 85   |      |      |      | 95   |      |      |      | 105  |      |      |      | 115  |      |      |      |
|     |         | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |
| 70  | MBh     | 24.1                        | 25.0 | 27.4 | -    | 23.0 | 23.8 | 26.1 | -    | 22.4 | 23.2 | 25.5 | -    | 21.3 | 22.1 | 24.2 | -    | 20.1 | 20.7 | 21.4 | 23.5 | 19.2 | 19.9 | 21.8 | -    |
|     | S/T     | 0.74                        | 0.62 | 0.43 | -    | 0.79 | 0.66 | 0.46 | -    | 0.81 | 0.68 | 0.47 | -    | 0.84 | 0.70 | 0.49 | -    | 0.85 | 0.71 | 0.49 | -    | 0.85 | 0.71 | 0.49 | -    |
|     | Δ T     | 18                          | 15   | 12   | -    | 18   | 16   | 12   | -    | 18   | 16   | 12   | -    | 18   | 16   | 12   | -    | 17   | 15   | 11   | -    | 17   | 15   | 11   | -    |
|     | kW      | 1.47                        | 1.50 | 1.55 | -    | 1.58 | 1.62 | 1.67 | -    | 1.78 | 1.82 | 1.88 | -    | 1.86 | 1.90 | 1.96 | -    | 1.92 | 1.97 | 2.04 | -    | 1.92 | 1.97 | 2.04 | -    |
|     | Amps    | 6.6                         | 6.7  | 6.9  | -    | 7.0  | 7.2  | 7.4  | -    | 8.0  | 8.2  | 8.4  | -    | 8.5  | 8.7  | 8.9  | -    | 8.9  | 9.1  | 9.4  | -    | 8.9  | 9.1  | 9.4  | -    |
| 70  | HI PR   | 223                         | 240  | 253  | -    | 250  | 269  | 284  | -    | 284  | 306  | 323  | -    | 323  | 348  | 368  | -    | 364  | 392  | 414  | -    | 402  | 433  | 457  | -    |
|     | LO PR   | 110                         | 117  | 128  | -    | 117  | 124  | 135  | -    | 121  | 129  | 141  | -    | 127  | 135  | 148  | -    | 133  | 142  | 155  | -    | 138  | 147  | 160  | -    |
|     | MBh     | 23.4                        | 24.3 | 26.6 | -    | 22.3 | 23.1 | 25.3 | -    | 21.8 | 22.6 | 24.7 | -    | 20.7 | 21.4 | 23.5 | -    | 19.2 | 19.9 | 21.8 | -    | 19.2 | 19.9 | 21.8 | -    |
|     | S/T     | 0.71                        | 0.59 | 0.41 | -    | 0.75 | 0.63 | 0.43 | -    | 0.77 | 0.65 | 0.45 | -    | 0.80 | 0.67 | 0.47 | -    | 0.81 | 0.68 | 0.47 | -    | 0.81 | 0.68 | 0.47 | -    |
|     | Δ T     | 19                          | 16   | 12   | -    | 19   | 16   | 12   | -    | 19   | 16   | 12   | -    | 19   | 16   | 12   | -    | 17   | 15   | 11   | -    | 17   | 15   | 11   | -    |
| 70  | kW      | 1.45                        | 1.49 | 1.53 | -    | 1.57 | 1.61 | 1.66 | -    | 1.67 | 1.71 | 1.77 | -    | 1.76 | 1.80 | 1.87 | -    | 1.84 | 1.88 | 1.95 | -    | 1.91 | 1.95 | 2.02 | -    |
|     | Amps    | 6.5                         | 6.7  | 6.9  | -    | 7.0  | 7.1  | 7.3  | -    | 7.5  | 7.7  | 7.9  | -    | 8.0  | 8.1  | 8.4  | -    | 8.4  | 8.6  | 8.9  | -    | 8.9  | 9.1  | 9.3  | -    |
|     | HI PR   | 220                         | 237  | 250  | -    | 247  | 266  | 281  | -    | 281  | 303  | 320  | -    | 320  | 345  | 364  | -    | 360  | 388  | 409  | -    | 398  | 428  | 452  | -    |
|     | LO PR   | 109                         | 116  | 127  | -    | 115  | 123  | 134  | -    | 120  | 128  | 139  | -    | 126  | 134  | 146  | -    | 132  | 140  | 153  | -    | 137  | 145  | 159  | -    |
|     | MBh     | 21.6                        | 22.4 | 24.5 | -    | 21.1 | 21.9 | 24.0 | -    | 20.6 | 21.3 | 23.4 | -    | 19.1 | 19.8 | 21.7 | -    | 17.7 | 18.3 | 20.1 | -    | 17.7 | 18.3 | 20.1 | -    |
| 70  | S/T     | 0.68                        | 0.57 | 0.39 | -    | 0.71 | 0.59 | 0.41 | -    | 0.72 | 0.60 | 0.42 | -    | 0.75 | 0.62 | 0.43 | -    | 0.78 | 0.65 | 0.45 | -    | 0.78 | 0.65 | 0.45 | -    |
|     | Δ T     | 19                          | 16   | 12   | -    | 19   | 16   | 12   | -    | 19   | 16   | 13   | -    | 19   | 17   | 13   | -    | 19   | 16   | 12   | -    | 18   | 15   | 12   | -    |
|     | kW      | 1.42                        | 1.45 | 1.50 | -    | 1.53 | 1.56 | 1.62 | -    | 1.63 | 1.67 | 1.72 | -    | 1.72 | 1.76 | 1.82 | -    | 1.79 | 1.83 | 1.90 | -    | 1.86 | 1.90 | 1.97 | -    |
|     | Amps    | 6.4                         | 6.5  | 6.7  | -    | 6.8  | 7.0  | 7.2  | -    | 7.3  | 7.5  | 7.7  | -    | 7.8  | 7.9  | 8.2  | -    | 8.2  | 8.4  | 8.6  | -    | 8.6  | 8.8  | 9.1  | -    |
|     | HI PR   | 214                         | 230  | 243  | -    | 240  | 258  | 273  | -    | 273  | 294  | 310  | -    | 311  | 334  | 353  | -    | 350  | 376  | 397  | -    | 386  | 416  | 439  | -    |
| 70  | LO PR   | 106                         | 113  | 123  | -    | 112  | 119  | 130  | -    | 116  | 124  | 135  | -    | 122  | 130  | 142  | -    | 128  | 136  | 149  | -    | 132  | 141  | 154  | -    |
|     | MBh     | 24.5                        | 25.2 | 27.3 | 29.3 | 23.9 | 24.7 | 26.7 | 28.6 | 23.4 | 24.1 | 26.0 | 28.0 | 22.8 | 23.5 | 25.4 | 27.3 | 21.7 | 22.3 | 24.1 | 25.9 | 20.1 | 20.7 | 22.4 | 24.0 |
|     | S/T     | 0.84                        | 0.75 | 0.57 | 0.37 | 0.87 | 0.78 | 0.59 | 0.38 | 0.89 | 0.80 | 0.61 | 0.39 | 0.92 | 0.83 | 0.62 | 0.40 | 0.96 | 0.86 | 0.65 | 0.42 | 0.97 | 0.86 | 0.65 | 0.42 |
|     | Δ T     | 21                          | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 20   | 18   | 15   | 10   |
|     | kW      | 1.48                        | 1.51 | 1.56 | 1.61 | 1.60 | 1.63 | 1.69 | 1.74 | 1.70 | 1.74 | 1.80 | 1.86 | 1.79 | 1.84 | 1.90 | 1.96 | 1.87 | 1.92 | 1.98 | 2.05 | 1.94 | 1.99 | 2.05 | 2.13 |
| 75  | Amps    | 6.6                         | 6.8  | 7.0  | 7.2  | 7.1  | 7.2  | 7.5  | 7.7  | 7.6  | 7.8  | 8.0  | 8.3  | 8.1  | 8.3  | 8.5  | 8.8  | 8.6  | 8.7  | 9.0  | 9.3  | 9.0  | 9.2  | 9.5  | 9.8  |
|     | HI PR   | 225                         | 242  | 255  | 266  | 252  | 271  | 287  | 299  | 287  | 309  | 326  | 340  | 327  | 352  | 371  | 387  | 368  | 396  | 418  | 436  | 406  | 437  | 462  | 481  |
|     | LO PR   | 111                         | 119  | 129  | 138  | 118  | 125  | 137  | 146  | 122  | 130  | 142  | 151  | 129  | 137  | 149  | 159  | 135  | 143  | 156  | 167  | 139  | 148  | 162  | 172  |
|     | MBh     | 23.8                        | 24.5 | 26.5 | 28.5 | 23.2 | 23.9 | 25.9 | 27.8 | 22.7 | 23.4 | 25.3 | 27.1 | 22.1 | 22.8 | 24.7 | 26.5 | 21.0 | 21.7 | 23.4 | 25.2 | 19.5 | 20.1 | 21.7 | 23.3 |
|     | S/T     | 0.80                        | 0.72 | 0.54 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.85 | 0.76 | 0.58 | 0.37 | 0.88 | 0.79 | 0.60 | 0.38 | 0.91 | 0.82 | 0.62 | 0.40 | 0.92 | 0.82 | 0.62 | 0.40 |
| 75  | Δ T     | 21                          | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 20   | 19   | 15   | 10   |
|     | kW      | 1.47                        | 1.50 | 1.55 | 1.60 | 1.58 | 1.62 | 1.67 | 1.73 | 1.69 | 1.73 | 1.78 | 1.85 | 1.78 | 1.82 | 1.88 | 1.95 | 1.86 | 1.90 | 1.96 | 2.03 | 1.92 | 1.97 | 2.04 | 2.11 |
|     | Amps    | 6.6                         | 6.7  | 6.9  | 7.1  | 7.0  | 7.2  | 7.4  | 7.6  | 7.6  | 7.7  | 8.0  | 8.2  | 8.0  | 8.2  | 8.4  | 8.7  | 8.5  | 8.7  | 8.9  | 9.2  | 8.9  | 9.1  | 9.4  | 9.7  |
|     | HI PR   | 223                         | 240  | 253  | 264  | 250  | 269  | 284  | 296  | 284  | 306  | 323  | 337  | 324  | 348  | 368  | 383  | 364  | 392  | 414  | 431  | 402  | 433  | 457  | 477  |
|     | LO PR   | 110                         | 117  | 128  | 136  | 117  | 124  | 135  | 144  | 121  | 129  | 141  | 150  | 127  | 135  | 148  | 157  | 133  | 142  | 155  | 165  | 138  | 147  | 160  | 171  |
| 75  | MBh     | 22.0                        | 22.6 | 24.5 | 26.3 | 21.5 | 22.1 | 23.9 | 25.7 | 20.9 | 21.6 | 23.3 | 25.1 | 20.4 | 21.0 | 22.8 | 24.4 | 19.4 | 20.0 | 21.6 | 23.2 | 18.0 | 18.5 | 20.0 | 21.5 |
|     | S/T     | 0.77                        | 0.69 | 0.52 | 0.34 | 0.80 | 0.72 | 0.54 | 0.35 | 0.82 | 0.74 | 0.56 | 0.36 | 0.85 | 0.76 | 0.57 | 0.37 | 0.88 | 0.79 | 0.60 | 0.38 | 0.89 | 0.79 | 0.60 | 0.39 |
|     | Δ T     | 22                          | 20   | 16   | 11   | 22   | 20   | 17   | 11   | 22   | 20   | 17   | 11   | 22   | 20   | 17   | 12   | 22   | 20   | 16   | 11   | 20   | 19   | 15   | 11   |
|     | kW      | 1.43                        | 1.46 | 1.51 | 1.56 | 1.54 | 1.58 | 1.63 | 1.69 | 1.64 | 1.68 | 1.74 | 1.80 | 1.73 | 1.77 | 1.83 | 1.90 | 1.81 | 1.85 | 1.91 | 1.98 | 1.87 | 1.92 | 1.98 | 2.05 |
|     | Amps    | 6.4                         | 6.6  | 6.7  | 7.0  | 6.9  | 7.0  | 7.2  | 7.5  | 7.4  | 7.5  | 7.8  | 8.0  | 7.8  | 8.0  | 8.2  | 8.5  | 8.3  | 8.5  | 8.7  | 9.0  | 8.7  | 8.9  | 9.2  | 9.5  |
| 75  | HI PR   | 216                         | 232  | 245  | 256  | 242  | 261  | 275  | 287  | 276  | 297  | 313  | 327  | 314  | 338  | 357  | 372  | 353  | 380  | 401  | 418  | 390  | 420  | 443  | 462  |
|     | LO PR   | 107                         | 114  | 124  | 132  | 113  | 120  | 131  | 140  | 118  | 125  | 136  | 145  | 123  | 131  | 143  | 153  | 129  | 138  | 150  | 160  | 134  | 142  | 155  | 166  |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects ACCA (TVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power

EXPANDED COOLING DATA — GPC1424H41\*\* (CONT.)

| IDB        | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |     |    |    |    |    |
|------------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|-----|----|----|----|----|
|            |         | 65                          |      |      |      |      | 75   |      |      |      |      | 85   |      |      |      |      | 95   |      |      |      |      | 105  |      |      |      |    | 115 |    |    |    |    |
|            |         | 59                          | 63   | 67   | 71   | 75   | 59   | 63   | 67   | 71   | 75   | 59   | 63   | 67   | 71   | 75   | 59   | 63   | 67   | 71   | 75   | 59   | 63   | 67   | 71   | 75 | 59  | 63 | 67 | 71 | 75 |
| <b>920</b> | MBh     | 25.0                        | 25.5 | 27.2 | 29.1 | 24.4 | 24.9 | 26.6 | 28.4 | 23.8 | 24.3 | 26.0 | 27.8 | 23.2 | 23.7 | 25.3 | 27.1 | 22.0 | 22.5 | 24.1 | 25.7 | 20.4 | 20.9 | 22.3 | 23.8 |    |     |    |    |    |    |
|            | S/T     | 0.92                        | 0.87 | 0.70 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 1.00 | 0.92 | 0.75 | 0.56 | 1.00 | 0.95 | 0.77 | 0.58 | 1.00 | 1.00 | 0.80 | 0.60 | 1.00 | 1.00 | 0.81 | 0.60 |    |     |    |    |    |    |
|            | Δ T     | 23                          | 22   | 19   | 15   | 23   | 22   | 19   | 16   | 24   | 22   | 19   | 16   | 23   | 23   | 20   | 16   | 22   | 23   | 19   | 15   | 20   | 21   | 18   | 14   |    |     |    |    |    |    |
|            | kW      | 1.49                        | 1.52 | 1.57 | 1.63 | 1.61 | 1.65 | 1.70 | 1.76 | 1.72 | 1.76 | 1.81 | 1.88 | 1.81 | 1.85 | 1.91 | 1.98 | 1.89 | 1.93 | 2.00 | 2.07 | 1.96 | 2.00 | 2.07 | 2.15 |    |     |    |    |    |    |
|            | Amps    | 6.7                         | 6.8  | 7.0  | 7.2  | 7.2  | 7.3  | 7.5  | 7.8  | 7.7  | 7.9  | 8.1  | 8.4  | 8.4  | 8.3  | 8.6  | 8.9  | 8.6  | 8.8  | 9.1  | 9.4  | 9.1  | 9.3  | 9.6  | 9.9  |    |     |    |    |    |    |
|            | HI PR   | 227                         | 244  | 258  | 269  | 255  | 274  | 290  | 302  | 290  | 312  | 329  | 344  | 330  | 355  | 375  | 391  | 371  | 400  | 422  | 440  | 410  | 442  | 466  | 486  |    |     |    |    |    |    |
| LO PR      | 113     | 120                         | 131  | 139  | 119  | 127  | 138  | 147  | 124  | 131  | 144  | 153  | 130  | 138  | 151  | 161  | 136  | 145  | 158  | 168  | 141  | 150  | 163  | 174  |      |    |     |    |    |    |    |
| <b>820</b> | MBh     | 24.2                        | 24.8 | 26.4 | 28.3 | 23.7 | 24.2 | 25.8 | 27.6 | 23.1 | 23.6 | 25.2 | 27.0 | 22.5 | 23.0 | 24.6 | 26.3 | 21.4 | 21.9 | 23.4 | 25.0 | 19.8 | 20.3 | 21.6 | 23.1 |    |     |    |    |    |    |
|            | S/T     | 0.88                        | 0.83 | 0.67 | 0.50 | 0.91 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.71 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.76 | 0.57 | 1.00 | 0.95 | 0.77 | 0.58 |    |     |    |    |    |    |
|            | Δ T     | 24                          | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 22   | 19   | 15   |    |     |    |    |    |    |
|            | kW      | 1.48                        | 1.51 | 1.56 | 1.61 | 1.60 | 1.63 | 1.69 | 1.74 | 1.70 | 1.74 | 1.80 | 1.86 | 1.79 | 1.84 | 1.90 | 1.96 | 1.87 | 1.92 | 1.98 | 2.05 | 1.94 | 1.99 | 2.05 | 2.13 |    |     |    |    |    |    |
|            | Amps    | 6.6                         | 6.8  | 7.0  | 7.2  | 7.1  | 7.2  | 7.5  | 7.7  | 7.6  | 7.8  | 8.0  | 8.3  | 8.1  | 8.3  | 8.5  | 8.8  | 8.6  | 8.7  | 9.0  | 9.3  | 9.0  | 9.2  | 9.5  | 9.8  |    |     |    |    |    |    |
|            | HI PR   | 225                         | 242  | 256  | 267  | 252  | 272  | 287  | 299  | 287  | 309  | 326  | 340  | 327  | 352  | 371  | 387  | 368  | 396  | 418  | 436  | 406  | 437  | 462  | 482  |    |     |    |    |    |    |
| LO PR      | 111     | 119                         | 129  | 138  | 118  | 125  | 137  | 146  | 122  | 130  | 142  | 151  | 129  | 137  | 149  | 159  | 135  | 143  | 156  | 167  | 139  | 148  | 162  | 172  |      |    |     |    |    |    |    |
| <b>720</b> | MBh     | 22.4                        | 22.8 | 24.4 | 26.1 | 21.8 | 22.3 | 23.8 | 25.5 | 21.3 | 21.8 | 23.3 | 24.9 | 20.8 | 21.3 | 22.7 | 24.3 | 19.8 | 20.2 | 21.6 | 23.1 | 18.3 | 18.7 | 20.0 | 21.4 |    |     |    |    |    |    |
|            | S/T     | 0.85                        | 0.80 | 0.65 | 0.48 | 0.88 | 0.82 | 0.67 | 0.50 | 0.90 | 0.85 | 0.69 | 0.51 | 0.93 | 0.87 | 0.71 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 0.97 | 0.91 | 0.74 | 0.56 |    |     |    |    |    |    |
|            | Δ T     | 24                          | 23   | 20   | 16   | 25   | 24   | 20   | 16   | 25   | 24   | 20   | 16   | 25   | 24   | 21   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 15   |    |     |    |    |    |    |
|            | kW      | 1.44                        | 1.47 | 1.52 | 1.57 | 1.56 | 1.59 | 1.64 | 1.70 | 1.66 | 1.70 | 1.75 | 1.81 | 1.75 | 1.79 | 1.85 | 1.91 | 1.82 | 1.87 | 1.93 | 2.00 | 1.89 | 1.93 | 2.00 | 2.07 |    |     |    |    |    |    |
|            | Amps    | 6.5                         | 6.6  | 6.8  | 7.0  | 6.9  | 7.1  | 7.3  | 7.5  | 7.5  | 7.6  | 7.8  | 8.1  | 7.9  | 8.1  | 8.3  | 8.6  | 8.3  | 8.5  | 8.8  | 9.1  | 8.8  | 9.0  | 9.3  | 9.6  |    |     |    |    |    |    |
|            | HI PR   | 218                         | 235  | 248  | 259  | 245  | 263  | 278  | 290  | 278  | 300  | 316  | 330  | 317  | 341  | 360  | 376  | 357  | 384  | 405  | 423  | 394  | 424  | 448  | 467  |    |     |    |    |    |    |
| LO PR      | 108     | 115                         | 126  | 134  | 114  | 122  | 133  | 141  | 119  | 126  | 138  | 147  | 125  | 133  | 145  | 154  | 131  | 139  | 152  | 162  | 135  | 144  | 157  | 167  |      |    |     |    |    |    |    |
| <b>920</b> | MBh     | 25.4                        | 25.9 | 27.1 | 28.9 | 24.8 | 25.3 | 26.5 | 28.2 | 24.2 | 24.7 | 25.8 | 27.6 | 23.6 | 24.1 | 25.2 | 26.9 | 22.4 | 22.9 | 24.0 | 25.6 | 20.8 | 21.2 | 22.2 | 23.7 |    |     |    |    |    |    |
|            | S/T     | 0.97                        | 0.93 | 0.84 | 0.68 | 1.00 | 0.97 | 0.87 | 0.71 | 1.00 | 0.99 | 0.90 | 0.73 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 0.97 | 0.78 |    |     |    |    |    |    |
|            | Δ T     | 25                          | 24   | 23   | 20   | 25   | 24   | 23   | 20   | 24   | 24   | 23   | 20   | 24   | 24   | 23   | 20   | 22   | 23   | 23   | 20   | 21   | 21   | 21   | 19   |    |     |    |    |    |    |
|            | kW      | 1.50                        | 1.54 | 1.59 | 1.64 | 1.62 | 1.66 | 1.72 | 1.77 | 1.73 | 1.77 | 1.83 | 1.89 | 1.83 | 1.87 | 1.93 | 2.00 | 1.91 | 1.95 | 2.02 | 2.09 | 1.97 | 2.02 | 2.09 | 2.16 |    |     |    |    |    |    |
|            | Amps    | 6.7                         | 6.9  | 7.1  | 7.3  | 7.2  | 7.4  | 7.6  | 7.8  | 7.8  | 7.9  | 8.2  | 8.4  | 8.2  | 8.4  | 8.7  | 9.0  | 8.7  | 8.9  | 9.2  | 9.5  | 9.2  | 9.4  | 9.7  | 10.0 |    |     |    |    |    |    |
|            | HI PR   | 229                         | 247  | 261  | 272  | 257  | 277  | 292  | 305  | 293  | 315  | 333  | 347  | 333  | 359  | 379  | 395  | 375  | 404  | 426  | 445  | 414  | 446  | 471  | 491  |    |     |    |    |    |    |
| LO PR      | 114     | 121                         | 132  | 141  | 120  | 128  | 140  | 149  | 125  | 133  | 145  | 154  | 131  | 140  | 152  | 162  | 137  | 146  | 160  | 170  | 142  | 151  | 165  | 176  |      |    |     |    |    |    |    |
| <b>820</b> | MBh     | 24.6                        | 25.1 | 26.3 | 28.1 | 24.1 | 24.5 | 25.7 | 27.4 | 23.5 | 24.0 | 25.1 | 26.8 | 22.9 | 23.4 | 24.5 | 26.1 | 21.8 | 22.2 | 23.3 | 24.8 | 20.2 | 20.6 | 21.5 | 23.0 |    |     |    |    |    |    |
|            | S/T     | 0.92                        | 0.89 | 0.80 | 0.65 | 0.96 | 0.92 | 0.83 | 0.68 | 0.98 | 0.95 | 0.85 | 0.69 | 1.00 | 0.98 | 0.88 | 0.72 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.92 | 0.75 |    |     |    |    |    |    |
|            | Δ T     | 25                          | 25   | 24   | 21   | 26   | 25   | 24   | 21   | 26   | 25   | 24   | 21   | 26   | 26   | 24   | 21   | 24   | 25   | 24   | 21   | 23   | 23   | 22   | 19   |    |     |    |    |    |    |
|            | kW      | 1.49                        | 1.52 | 1.57 | 1.63 | 1.61 | 1.65 | 1.70 | 1.76 | 1.72 | 1.76 | 1.81 | 1.88 | 1.81 | 1.85 | 1.91 | 1.98 | 1.89 | 1.93 | 2.00 | 2.07 | 1.96 | 2.00 | 2.07 | 2.15 |    |     |    |    |    |    |
|            | Amps    | 6.7                         | 6.8  | 7.0  | 7.2  | 7.2  | 7.3  | 7.5  | 7.8  | 7.7  | 7.9  | 8.1  | 8.4  | 8.2  | 8.3  | 8.6  | 8.9  | 8.6  | 8.8  | 9.1  | 9.4  | 9.1  | 9.3  | 9.6  | 9.9  |    |     |    |    |    |    |
|            | HI PR   | 227                         | 244  | 258  | 269  | 255  | 274  | 290  | 302  | 290  | 312  | 329  | 344  | 330  | 355  | 375  | 391  | 371  | 400  | 422  | 440  | 410  | 442  | 466  | 486  |    |     |    |    |    |    |
| LO PR      | 113     | 120                         | 131  | 139  | 119  | 127  | 138  | 147  | 124  | 131  | 144  | 153  | 130  | 138  | 151  | 161  | 136  | 145  | 158  | 168  | 141  | 150  | 163  | 174  |      |    |     |    |    |    |    |
| <b>720</b> | MBh     | 22.7                        | 23.2 | 24.3 | 25.9 | 22.2 | 22.6 | 23.7 | 25.3 | 21.7 | 22.1 | 23.2 | 24.7 | 21.2 | 21.6 | 22.6 | 24.1 | 20.1 | 20.5 | 21.5 | 22.9 | 18.6 | 19.0 | 19.9 | 21.2 |    |     |    |    |    |    |
|            | S/T     | 0.89                        | 0.86 | 0.77 | 0.63 | 0.92 | 0.89 | 0.80 | 0.65 | 0.95 | 0.91 | 0.82 | 0.67 | 0.98 | 0.94 | 0.85 | 0.69 | 1.00 | 0.98 | 0.88 | 0.72 | 1.00 | 0.99 | 0.89 | 0.72 |    |     |    |    |    |    |
|            | Δ T     | 26                          | 25   | 24   | 21   | 26   | 26   | 24   | 21   | 26   | 26   | 24   | 21   | 26   | 26   | 25   | 21   | 26   | 26   | 24   | 21   | 24   | 24   | 23   | 20   |    |     |    |    |    |    |
|            | kW      | 1.45                        | 1.49 | 1.53 | 1.59 | 1.57 | 1.60 | 1.66 | 1.71 | 1.67 | 1.71 | 1.77 | 1.83 | 1.76 | 1.80 | 1.86 | 1.93 | 1.84 | 1.88 | 1.95 | 2.01 | 1.91 | 1.95 | 2.02 | 2.09 |    |     |    |    |    |    |
|            | Amps    | 6.5                         | 6.7  | 6.9  | 7.1  | 7.0  | 7.1  | 7.3  | 7.6  | 7.5  | 7.7  | 7.9  | 8.2  | 8.0  | 8.1  | 8.4  | 8.7  | 8.4  | 8.6  | 8.9  | 9.2  | 8.9  | 9.1  | 9.3  | 9.7  |    |     |    |    |    |    |
|            | HI PR   | 220                         | 237  | 250  | 261  | 247  | 266  | 281  | 293  | 281  | 303  | 319  | 333  | 320  | 345  | 364  | 380  | 360  | 388  | 409  | 427  | 398  | 428  | 452  | 472  |    |     |    |    |    |    |
| LO PR      | 109     | 116                         | 127  | 135  | 115  | 123  | 134  | 143  | 120  | 128  | 139  | 148  | 126  | 134  | 146  | 156  | 132  | 140  | 153  | 163  | 137  | 145  | 159  | 169  |      |    |     |    |    |    |    |

kW = total system power

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

Shaded area reflects AHRI (TVA) conditions.

IDB = Entering Indoor Dry Bulb Temperature  
High and low pressures are measured at the liquid and suction access fittings.

EXPANDED COOLING DATA — GPC1430H41\*\*

| IDB   | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       |         | 65                          |      |      |      | 75   |      |      |      | 85   |      |      |      | 95   |      |      |      | 105  |      |      |      | 115  |      |      |      |      |      |      |      |
|       |         | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |      |      |      |      |
| 70    | MBh     | 27.8                        | 28.8 | 31.6 | -    | 27.2 | 28.2 | 30.9 | -    | 26.5 | 27.5 | 30.1 | -    | 25.9 | 26.8 | 29.4 | -    | 24.6 | 25.5 | 27.9 | -    | 24.6 | 25.5 | 27.9 | -    | 22.8 | 23.6 | 25.9 | -    |
|       | S/T     | 0.74                        | 0.62 | 0.43 | -    | 0.77 | 0.64 | 0.44 | -    | 0.79 | 0.66 | 0.46 | -    | 0.81 | 0.68 | 0.47 | -    | 0.84 | 0.70 | 0.49 | -    | 0.84 | 0.70 | 0.49 | -    | 0.85 | 0.71 | 0.49 | -    |
|       | Δ T     | 17                          | 14   | 11   | -    | 17   | 15   | 11   | -    | 17   | 15   | 11   | -    | 17   | 15   | 11   | -    | 17   | 14   | 11   | -    | 17   | 14   | 11   | -    | 16   | 13   | 10   | -    |
|       | kW      | 1.75                        | 1.78 | 1.84 | -    | 1.89 | 1.93 | 1.99 | -    | 2.01 | 2.05 | 2.12 | -    | 2.12 | 2.16 | 2.24 | -    | 2.21 | 2.26 | 2.34 | -    | 2.21 | 2.26 | 2.34 | -    | 2.29 | 2.34 | 2.42 | -    |
|       | Amps    | 7.9                         | 8.1  | 8.3  | -    | 8.5  | 8.6  | 8.9  | -    | 9.1  | 9.3  | 9.5  | -    | 9.6  | 9.8  | 10.1 | -    | 10.2 | 10.4 | 10.7 | -    | 10.2 | 10.4 | 10.7 | -    | 10.7 | 10.9 | 11.3 | -    |
|       | HI PR   | 234                         | 252  | 266  | -    | 263  | 283  | 299  | -    | 299  | 322  | 340  | -    | 341  | 367  | 387  | -    | 383  | 412  | 435  | -    | 383  | 412  | 435  | -    | 423  | 456  | 481  | -    |
|       | LO PR   | 108                         | 115  | 125  | -    | 114  | 121  | 132  | -    | 118  | 126  | 138  | -    | 124  | 132  | 145  | -    | 130  | 139  | 151  | -    | 130  | 139  | 151  | -    | 135  | 143  | 157  | -    |
|       | MBh     | 27.0                        | 28.0 | 30.7 | -    | 26.4 | 27.4 | 30.0 | -    | 25.8 | 26.7 | 29.3 | -    | 25.1 | 26.1 | 28.5 | -    | 23.9 | 24.7 | 27.1 | -    | 23.9 | 24.7 | 27.1 | -    | 22.1 | 22.9 | 25.1 | -    |
|       | S/T     | 0.71                        | 0.59 | 0.41 | -    | 0.73 | 0.61 | 0.42 | -    | 0.75 | 0.63 | 0.43 | -    | 0.78 | 0.65 | 0.45 | -    | 0.80 | 0.67 | 0.47 | -    | 0.80 | 0.67 | 0.47 | -    | 0.81 | 0.68 | 0.47 | -    |
|       | Δ T     | 17                          | 15   | 11   | -    | 17   | 15   | 11   | -    | 17   | 15   | 11   | -    | 18   | 15   | 12   | -    | 17   | 15   | 11   | -    | 17   | 15   | 11   | -    | 16   | 14   | 11   | -    |
| kW    | 1.73    | 1.77                        | 1.83 | -    | 1.87 | 1.91 | 1.97 | -    | 1.99 | 2.04 | 2.10 | -    | 2.10 | 2.15 | 2.22 | -    | 2.19 | 2.24 | 2.32 | -    | 2.19 | 2.24 | 2.32 | -    | 2.27 | 2.32 | 2.40 | -    |      |
| Amps  | 7.9     | 8.0                         | 8.2  | -    | 8.4  | 8.6  | 8.8  | -    | 9.0  | 9.2  | 9.5  | -    | 9.5  | 9.8  | 10.0 | -    | 10.1 | 10.3 | 10.6 | -    | 10.1 | 10.3 | 10.6 | -    | 10.6 | 10.8 | 11.2 | -    |      |
| HI PR | 232     | 250                         | 264  | -    | 260  | 280  | 296  | -    | 296  | 319  | 336  | -    | 337  | 363  | 383  | -    | 379  | 408  | 431  | -    | 379  | 408  | 431  | -    | 419  | 451  | 476  | -    |      |
| LO PR | 107     | 114                         | 124  | -    | 113  | 120  | 131  | -    | 117  | 125  | 136  | -    | 123  | 131  | 143  | -    | 129  | 137  | 150  | -    | 129  | 137  | 150  | -    | 134  | 142  | 155  | -    |      |
| MBh   | 25.7    | 26.6                        | 29.1 | -    | 25.1 | 26.0 | 28.5 | -    | 24.5 | 25.4 | 27.8 | -    | 23.9 | 24.7 | 27.1 | -    | 22.7 | 23.5 | 25.8 | -    | 22.7 | 23.5 | 25.8 | -    | 21.0 | 21.8 | 23.9 | -    |      |
| S/T   | 0.68    | 0.57                        | 0.39 | -    | 0.70 | 0.59 | 0.41 | -    | 0.72 | 0.60 | 0.42 | -    | 0.74 | 0.62 | 0.43 | -    | 0.77 | 0.64 | 0.45 | -    | 0.77 | 0.64 | 0.45 | -    | 0.78 | 0.65 | 0.45 | -    |      |
| Δ T   | 18      | 15                          | 12   | -    | 18   | 16   | 12   | -    | 18   | 16   | 12   | -    | 18   | 16   | 12   | -    | 18   | 15   | 12   | -    | 18   | 15   | 12   | -    | 17   | 14   | 11   | -    |      |
| kW    | 1.70    | 1.74                        | 1.80 | -    | 1.84 | 1.88 | 1.94 | -    | 1.96 | 2.00 | 2.07 | -    | 2.06 | 2.11 | 2.18 | -    | 2.15 | 2.20 | 2.28 | -    | 2.15 | 2.20 | 2.28 | -    | 2.23 | 2.28 | 2.36 | -    |      |
| Amps  | 7.7     | 7.9                         | 8.1  | -    | 8.3  | 8.4  | 8.7  | -    | 8.9  | 9.1  | 9.3  | -    | 9.4  | 9.6  | 9.9  | -    | 9.9  | 10.1 | 10.4 | -    | 9.9  | 10.1 | 10.4 | -    | 10.4 | 10.7 | 11.0 | -    |      |
| HI PR | 227     | 245                         | 258  | -    | 255  | 275  | 290  | -    | 290  | 312  | 330  | -    | 330  | 356  | 376  | -    | 372  | 400  | 422  | -    | 372  | 400  | 422  | -    | 411  | 442  | 467  | -    |      |
| LO PR | 105     | 111                         | 122  | -    | 111  | 118  | 128  | -    | 115  | 122  | 133  | -    | 121  | 128  | 140  | -    | 127  | 135  | 147  | -    | 127  | 135  | 147  | -    | 131  | 139  | 152  | -    |      |
| 75    | MBh     | 28.3                        | 29.1 | 31.5 | 33.9 | 27.6 | 28.5 | 30.8 | 33.1 | 27.0 | 27.8 | 30.1 | 32.3 | 26.3 | 27.1 | 29.3 | 31.5 | 25.0 | 25.8 | 27.9 | 29.9 | 25.0 | 25.8 | 27.9 | 29.9 | 23.2 | 23.9 | 25.8 | 27.7 |
|       | S/T     | 0.84                        | 0.75 | 0.57 | 0.37 | 0.87 | 0.78 | 0.59 | 0.38 | 0.90 | 0.80 | 0.61 | 0.39 | 0.92 | 0.83 | 0.63 | 0.40 | 0.96 | 0.86 | 0.65 | 0.42 | 0.96 | 0.86 | 0.65 | 0.42 | 0.97 | 0.87 | 0.65 | 0.42 |
|       | Δ T     | 19                          | 18   | 14   | 10   | 19   | 18   | 15   | 10   | 19   | 18   | 15   | 10   | 20   | 18   | 15   | 10   | 19   | 18   | 15   | 10   | 19   | 18   | 15   | 10   | 18   | 17   | 14   | 9    |
|       | kW      | 1.76                        | 1.80 | 1.86 | 1.92 | 1.90 | 1.94 | 2.01 | 2.08 | 2.03 | 2.07 | 2.14 | 2.21 | 2.14 | 2.18 | 2.26 | 2.34 | 2.23 | 2.28 | 2.36 | 2.44 | 2.23 | 2.28 | 2.36 | 2.44 | 2.31 | 2.36 | 2.44 | 2.53 |
|       | Amps    | 8.0                         | 8.1  | 8.4  | 8.6  | 8.5  | 8.7  | 9.0  | 9.2  | 9.2  | 9.4  | 9.6  | 9.9  | 9.7  | 9.9  | 10.2 | 10.5 | 10.2 | 10.5 | 10.8 | 11.1 | 10.2 | 10.5 | 10.8 | 11.1 | 10.8 | 11.0 | 11.3 | 11.7 |
|       | HI PR   | 237                         | 255  | 269  | 281  | 266  | 286  | 302  | 315  | 302  | 325  | 343  | 358  | 344  | 370  | 391  | 408  | 387  | 417  | 440  | 459  | 387  | 417  | 440  | 459  | 428  | 460  | 486  | 507  |
|       | LO PR   | 109                         | 116  | 127  | 135  | 115  | 122  | 134  | 142  | 120  | 127  | 139  | 148  | 126  | 134  | 146  | 155  | 132  | 140  | 153  | 163  | 132  | 140  | 153  | 163  | 136  | 145  | 158  | 169  |
|       | MBh     | 27.5                        | 28.3 | 30.6 | 32.9 | 26.8 | 27.6 | 29.9 | 32.1 | 26.2 | 27.0 | 29.2 | 31.3 | 25.6 | 26.3 | 28.5 | 30.6 | 24.3 | 25.0 | 27.1 | 29.0 | 24.3 | 25.0 | 27.1 | 29.0 | 22.5 | 23.2 | 25.1 | 26.9 |
|       | S/T     | 0.80                        | 0.72 | 0.54 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.85 | 0.76 | 0.58 | 0.37 | 0.88 | 0.79 | 0.60 | 0.38 | 0.91 | 0.82 | 0.62 | 0.40 | 0.91 | 0.82 | 0.62 | 0.40 | 0.92 | 0.83 | 0.62 | 0.40 |
|       | Δ T     | 20                          | 18   | 15   | 10   | 20   | 19   | 15   | 10   | 20   | 19   | 15   | 11   | 20   | 19   | 15   | 11   | 20   | 18   | 15   | 10   | 20   | 18   | 15   | 10   | 19   | 17   | 14   | 10   |
| kW    | 1.75    | 1.79                        | 1.84 | 1.90 | 1.89 | 1.93 | 1.99 | 2.06 | 2.01 | 2.05 | 2.12 | 2.20 | 2.12 | 2.17 | 2.24 | 2.32 | 2.21 | 2.26 | 2.34 | 2.42 | 2.21 | 2.26 | 2.34 | 2.42 | 2.29 | 2.34 | 2.42 | 2.51 |      |
| Amps  | 7.9     | 8.1                         | 8.3  | 8.6  | 8.5  | 8.6  | 8.9  | 9.2  | 9.1  | 9.3  | 9.5  | 9.9  | 9.6  | 9.8  | 10.1 | 10.5 | 10.2 | 10.4 | 10.7 | 11.0 | 10.2 | 10.4 | 10.7 | 11.0 | 10.7 | 10.9 | 11.3 | 11.6 |      |
| HI PR | 234     | 252                         | 266  | 278  | 263  | 283  | 299  | 312  | 299  | 322  | 340  | 354  | 341  | 367  | 387  | 404  | 383  | 412  | 435  | 454  | 383  | 412  | 435  | 454  | 423  | 456  | 481  | 502  |      |
| LO PR | 108     | 115                         | 125  | 133  | 114  | 121  | 132  | 141  | 118  | 126  | 138  | 147  | 124  | 132  | 145  | 154  | 130  | 139  | 151  | 161  | 130  | 139  | 151  | 161  | 135  | 144  | 157  | 167  |      |
| MBh   | 26.1    | 26.9                        | 29.1 | 31.2 | 25.5 | 26.3 | 28.4 | 30.5 | 24.9 | 25.6 | 27.7 | 29.8 | 24.3 | 25.0 | 27.1 | 29.0 | 23.1 | 23.8 | 25.7 | 27.6 | 23.1 | 23.8 | 25.7 | 27.6 | 21.4 | 22.0 | 23.8 | 25.6 |      |
| S/T   | 0.77    | 0.69                        | 0.52 | 0.34 | 0.80 | 0.71 | 0.54 | 0.35 | 0.82 | 0.73 | 0.55 | 0.36 | 0.84 | 0.76 | 0.57 | 0.37 | 0.88 | 0.78 | 0.59 | 0.38 | 0.88 | 0.78 | 0.59 | 0.38 | 0.88 | 0.79 | 0.60 | 0.38 |      |
| Δ T   | 21      | 19                          | 15   | 11   | 21   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 19   | 18   | 15   | 10   |      |
| kW    | 1.72    | 1.76                        | 1.81 | 1.87 | 1.85 | 1.90 | 1.96 | 2.02 | 1.97 | 2.02 | 2.09 | 2.16 | 2.08 | 2.13 | 2.20 | 2.28 | 2.17 | 2.22 | 2.30 | 2.38 | 2.17 | 2.22 | 2.30 | 2.38 | 2.25 | 2.30 | 2.38 | 2.46 |      |
| Amps  | 7.8     | 8.0                         | 8.2  | 8.4  | 8.3  | 8.5  | 8.7  | 9.0  | 8.9  | 9.1  | 9.4  | 9.7  | 9.5  | 9.7  | 10.0 | 10.3 | 10.0 | 10.2 | 10.5 | 10.9 | 10.0 | 10.2 | 10.5 | 10.9 | 10.5 | 10.7 | 11.1 | 11.4 |      |
| HI PR | 230     | 247                         | 261  | 272  | 258  | 277  | 293  | 305  | 293  | 315  | 333  | 347  | 334  | 359  | 379  | 396  | 376  | 404  | 427  | 445  | 376  | 404  | 427  | 445  | 415  | 447  | 472  | 492  |      |
| LO PR | 106     | 112                         | 123  | 131  | 112  | 119  | 130  | 138  | 116  | 124  | 135  | 144  | 122  | 130  | 142  | 151  | 128  | 136  | 148  | 158  | 128  | 136  | 148  | 158  | 132  | 141  | 154  | 164  |      |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects ACCA (ITVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power



EXPANDED COOLING DATA — GPC1430H41\*\* (CONT.)

| IDB  | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |         | 65                          |      |      |      | 75   |      |      |      | 85   |      |      |      | 95   |      |      |      | 105  |      |      |      | 115  |      |      |      |
|      |         | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |
| 80   | 1145    | 28.8                        | 29.4 | 31.4 | 33.6 | 28.1 | 28.7 | 30.7 | 32.8 | 27.5 | 28.1 | 30.0 | 32.1 | 26.8 | 27.4 | 29.3 | 31.3 | 25.5 | 26.0 | 27.8 | 29.7 | 23.6 | 24.1 | 25.7 | 27.5 |
|      | S/T     | 0.92                        | 0.87 | 0.71 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 1.00 | 0.92 | 0.75 | 0.56 | 1.00 | 0.95 | 0.77 | 0.58 | 1.00 | 1.00 | 0.80 | 0.60 | 1.00 | 1.00 | 0.81 | 0.61 |
|      | Δ T     | 21                          | 20   | 18   | 14   | 22   | 21   | 18   | 14   | 22   | 21   | 18   | 14   | 22   | 21   | 18   | 15   | 20   | 21   | 18   | 14   | 19   | 19   | 17   | 13   |
|      | kW      | 1.78                        | 1.81 | 1.87 | 1.94 | 1.92 | 1.96 | 2.03 | 2.09 | 2.04 | 2.09 | 2.16 | 2.23 | 2.15 | 2.20 | 2.28 | 2.36 | 2.25 | 2.30 | 2.38 | 2.46 | 2.33 | 2.38 | 2.46 | 2.55 |
|      | Amps    | 8.0                         | 8.2  | 8.4  | 8.7  | 8.6  | 8.8  | 9.0  | 9.3  | 9.2  | 9.4  | 9.7  | 10.0 | 9.8  | 10.0 | 10.3 | 10.6 | 10.3 | 10.6 | 10.9 | 11.2 | 10.9 | 11.1 | 11.4 | 11.8 |
| 1020 | 1145    | 239                         | 257  | 272  | 283  | 268  | 289  | 305  | 318  | 305  | 328  | 347  | 362  | 348  | 374  | 395  | 412  | 391  | 421  | 444  | 463  | 432  | 465  | 491  | 512  |
|      | HI PR   | 110                         | 117  | 128  | 136  | 116  | 124  | 135  | 144  | 121  | 129  | 140  | 150  | 127  | 135  | 147  | 157  | 133  | 142  | 155  | 165  | 138  | 146  | 160  | 170  |
|      | LO PR   | 28.0                        | 28.6 | 30.5 | 32.6 | 27.3 | 27.9 | 29.8 | 31.9 | 26.7 | 27.2 | 29.1 | 31.1 | 26.0 | 26.6 | 28.4 | 30.4 | 24.7 | 25.3 | 27.0 | 28.8 | 22.9 | 23.4 | 25.0 | 26.7 |
|      | S/T     | 0.88                        | 0.83 | 0.67 | 0.50 | 0.91 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.71 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 0.95 | 0.77 | 0.58 |
|      | Δ T     | 22                          | 21   | 19   | 15   | 22   | 22   | 19   | 15   | 23   | 22   | 19   | 15   | 23   | 22   | 19   | 15   | 22   | 21   | 19   | 15   | 21   | 20   | 17   | 14   |
| 900  | 1145    | 1.76                        | 1.80 | 1.86 | 1.92 | 1.90 | 1.94 | 2.01 | 2.08 | 2.03 | 2.07 | 2.14 | 2.21 | 2.14 | 2.18 | 2.26 | 2.34 | 2.23 | 2.28 | 2.36 | 2.44 | 2.31 | 2.36 | 2.44 | 2.53 |
|      | Amps    | 8.0                         | 8.1  | 8.4  | 8.6  | 8.5  | 8.7  | 9.0  | 9.2  | 9.2  | 9.4  | 9.6  | 9.9  | 9.7  | 9.9  | 10.2 | 10.5 | 10.2 | 10.5 | 10.8 | 11.1 | 10.8 | 11.0 | 11.3 | 11.7 |
|      | HI PR   | 237                         | 255  | 269  | 281  | 266  | 286  | 302  | 315  | 302  | 325  | 343  | 358  | 344  | 370  | 391  | 408  | 387  | 417  | 440  | 459  | 428  | 460  | 486  | 507  |
|      | LO PR   | 109                         | 116  | 127  | 135  | 115  | 123  | 134  | 142  | 120  | 127  | 139  | 148  | 126  | 134  | 146  | 155  | 132  | 140  | 153  | 163  | 136  | 145  | 158  | 169  |
|      | 1145    | 26.6                        | 27.1 | 29.0 | 31.0 | 25.9 | 26.5 | 28.3 | 30.3 | 25.3 | 25.9 | 27.7 | 29.6 | 24.7 | 25.3 | 27.0 | 28.8 | 23.5 | 24.0 | 25.6 | 27.4 | 21.7 | 22.2 | 23.7 | 25.4 |
| 85   | 1145    | 29.3                        | 29.9 | 31.3 | 33.4 | 28.6 | 29.2 | 30.6 | 32.6 | 27.9 | 28.5 | 29.8 | 31.8 | 27.3 | 27.8 | 29.1 | 31.1 | 25.9 | 26.4 | 27.7 | 29.5 | 24.0 | 24.5 | 25.6 | 27.3 |
|      | S/T     | 0.97                        | 0.93 | 0.84 | 0.68 | 1.00 | 0.97 | 0.87 | 0.71 | 1.00 | 0.99 | 0.90 | 0.73 | 1.00 | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 0.97 | 0.79 |
|      | Δ T     | 23                          | 22   | 21   | 18   | 23   | 23   | 21   | 19   | 22   | 23   | 21   | 19   | 22   | 22   | 22   | 19   | 21   | 21   | 21   | 18   | 19   | 20   | 20   | 17   |
|      | kW      | 1.79                        | 1.83 | 1.89 | 1.95 | 1.93 | 1.98 | 2.04 | 2.11 | 2.06 | 2.11 | 2.18 | 2.25 | 2.17 | 2.22 | 2.30 | 2.38 | 2.27 | 2.32 | 2.40 | 2.48 | 2.35 | 2.40 | 2.49 | 2.57 |
|      | Amps    | 8.1                         | 8.3  | 8.5  | 8.8  | 8.7  | 8.8  | 9.1  | 9.4  | 9.3  | 9.5  | 9.8  | 10.1 | 9.9  | 10.1 | 10.4 | 10.7 | 10.4 | 10.6 | 11.0 | 11.3 | 11.0 | 11.2 | 11.5 | 11.9 |
| 1020 | 1145    | 241                         | 260  | 274  | 286  | 271  | 292  | 308  | 321  | 308  | 332  | 350  | 365  | 351  | 378  | 399  | 416  | 395  | 425  | 449  | 468  | 436  | 470  | 496  | 517  |
|      | HI PR   | 111                         | 118  | 129  | 138  | 117  | 125  | 136  | 145  | 122  | 130  | 142  | 151  | 128  | 136  | 149  | 159  | 134  | 143  | 156  | 166  | 139  | 148  | 161  | 172  |
|      | LO PR   | 28.5                        | 29.0 | 30.4 | 32.4 | 27.8 | 28.3 | 29.7 | 31.7 | 27.1 | 27.7 | 29.0 | 30.9 | 26.5 | 27.0 | 28.3 | 30.1 | 25.1 | 25.6 | 26.8 | 28.6 | 23.3 | 23.7 | 24.9 | 26.5 |
|      | S/T     | 0.92                        | 0.89 | 0.80 | 0.65 | 0.96 | 0.92 | 0.83 | 0.68 | 0.98 | 0.95 | 0.86 | 0.69 | 1.00 | 0.98 | 0.88 | 0.72 | 1.00 | 1.00 | 0.92 | 0.74 | 1.00 | 1.00 | 0.92 | 0.75 |
|      | Δ T     | 24                          | 23   | 22   | 19   | 24   | 24   | 22   | 19   | 24   | 24   | 22   | 19   | 24   | 24   | 22   | 19   | 23   | 23   | 22   | 19   | 21   | 21   | 21   | 18   |
| 900  | 1145    | 1.78                        | 1.81 | 1.87 | 1.94 | 1.92 | 1.96 | 2.03 | 2.09 | 2.04 | 2.09 | 2.16 | 2.23 | 2.15 | 2.20 | 2.28 | 2.36 | 2.25 | 2.30 | 2.38 | 2.46 | 2.33 | 2.38 | 2.46 | 2.55 |
|      | Amps    | 8.0                         | 8.2  | 8.4  | 8.7  | 8.6  | 8.8  | 9.0  | 9.3  | 9.2  | 9.4  | 9.7  | 10.0 | 9.8  | 10.0 | 10.3 | 10.6 | 10.3 | 10.6 | 10.9 | 11.2 | 10.9 | 11.1 | 11.4 | 11.8 |
|      | HI PR   | 239                         | 257  | 272  | 283  | 268  | 289  | 305  | 318  | 305  | 328  | 347  | 362  | 348  | 374  | 395  | 412  | 391  | 421  | 444  | 463  | 432  | 465  | 491  | 512  |
|      | LO PR   | 110                         | 117  | 128  | 136  | 116  | 124  | 135  | 144  | 121  | 129  | 140  | 150  | 127  | 135  | 147  | 157  | 133  | 142  | 155  | 165  | 138  | 146  | 160  | 170  |
|      | 1145    | 27.0                        | 27.6 | 28.9 | 30.8 | 26.4 | 26.9 | 28.2 | 30.1 | 25.8 | 26.3 | 27.5 | 29.4 | 25.1 | 25.6 | 26.8 | 28.6 | 23.9 | 24.4 | 25.5 | 27.2 | 22.1 | 22.6 | 23.6 | 25.2 |
| 85   | 1145    | 0.89                        | 0.85 | 0.77 | 0.63 | 0.92 | 0.89 | 0.80 | 0.65 | 0.94 | 0.91 | 0.82 | 0.66 | 0.97 | 0.94 | 0.85 | 0.69 | 1.00 | 0.97 | 0.88 | 0.71 | 1.00 | 0.98 | 0.88 | 0.72 |
|      | S/T     | 24                          | 24   | 23   | 20   | 25   | 24   | 23   | 20   | 25   | 24   | 23   | 20   | 25   | 25   | 23   | 20   | 24   | 24   | 23   | 20   | 23   | 23   | 21   | 18   |
|      | Δ T     | 1.75                        | 1.78 | 1.84 | 1.90 | 1.89 | 1.93 | 1.99 | 2.06 | 2.01 | 2.05 | 2.12 | 2.19 | 2.12 | 2.16 | 2.24 | 2.32 | 2.21 | 2.26 | 2.34 | 2.42 | 2.29 | 2.34 | 2.42 | 2.51 |
|      | kW      | 7.9                         | 8.1  | 8.3  | 8.6  | 8.5  | 8.6  | 8.9  | 9.2  | 9.1  | 9.3  | 9.5  | 9.9  | 9.6  | 9.8  | 10.1 | 10.5 | 10.2 | 10.4 | 10.7 | 11.0 | 10.7 | 10.9 | 11.3 | 11.6 |
|      | Amps    | 234                         | 252  | 266  | 278  | 263  | 283  | 299  | 312  | 299  | 322  | 340  | 354  | 341  | 367  | 387  | 404  | 383  | 412  | 435  | 454  | 423  | 456  | 481  | 502  |
| 85   | 1145    | 108                         | 115  | 125  | 133  | 114  | 121  | 132  | 141  | 118  | 126  | 138  | 147  | 124  | 132  | 145  | 154  | 130  | 139  | 151  | 161  | 135  | 143  | 157  | 167  |
|      | LO PR   | 28.0                        | 28.6 | 30.5 | 32.6 | 27.3 | 27.9 | 29.8 | 31.9 | 26.7 | 27.2 | 29.1 | 31.1 | 26.0 | 26.6 | 28.4 | 30.4 | 24.7 | 25.3 | 27.0 | 28.8 | 22.9 | 23.4 | 25.0 | 26.7 |
|      | S/T     | 0.88                        | 0.83 | 0.67 | 0.50 | 0.91 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.71 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 0.95 | 0.77 | 0.58 |
|      | Δ T     | 22                          | 21   | 19   | 15   | 22   | 22   | 19   | 15   | 23   | 22   | 19   | 15   | 23   | 22   | 19   | 15   | 22   | 21   | 19   | 15   | 21   | 20   | 17   | 14   |
|      | kW      | 1.76                        | 1.80 | 1.86 | 1.92 | 1.90 | 1.94 | 2.01 | 2.08 | 2.03 | 2.07 | 2.14 | 2.21 | 2.14 | 2.18 | 2.26 | 2.34 | 2.23 | 2.28 | 2.36 | 2.44 | 2.31 | 2.36 | 2.44 | 2.53 |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects AHRI (TVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power

EXPANDED COOLING DATA — GPC1436H41\*\*

| IDB  | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |    |
|------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|
|      |         | 65                          |      |      |      | 75   |      |      |      | 85   |      |      |      | 95   |      |      |      | 105  |      |      |      | 115  |    |    |    |
|      |         | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63 | 67 | 71 |
| 70   | 1350    | MBh                         | 35.8 | 37.1 | 40.7 | -    | 34.2 | 35.4 | 38.8 | -    | 33.3 | 34.6 | 37.9 | -    | 31.7 | 32.8 | 36.0 | -    | 29.3 | 30.4 | 33.3 | -    |    |    |    |
|      |         | S/T                         | 0.74 | 0.62 | 0.43 | -    | 0.79 | 0.66 | 0.46 | -    | 0.82 | 0.68 | 0.47 | -    | 0.85 | 0.71 | 0.49 | -    | 0.85 | 0.71 | 0.49 | -    |    |    |    |
|      |         | Δ T                         | 18   | 16   | 12   | -    | 18   | 16   | 12   | -    | 19   | 16   | 12   | -    | 18   | 16   | 12   | -    | 17   | 15   | 11   | -    |    |    |    |
|      | 1201    | kW                          | 2.37 | 2.42 | 2.50 | -    | 2.56 | 2.61 | 2.70 | -    | 2.72 | 2.78 | 2.87 | -    | 2.86 | 2.93 | 3.02 | -    | 2.98 | 3.05 | 3.15 | -    |    |    |    |
|      |         | Amps                        | 10.3 | 10.5 | 10.8 | -    | 11.0 | 11.2 | 11.5 | -    | 11.8 | 12.0 | 12.4 | -    | 12.5 | 12.8 | 13.2 | -    | 13.2 | 13.5 | 13.9 | -    |    |    |    |
|      |         | HI PR                       | 236  | 254  | 268  | -    | 265  | 285  | 301  | -    | 301  | 324  | 342  | -    | 343  | 369  | 390  | -    | 386  | 415  | 439  | -    |    |    |    |
|      | 1052    | LO PR                       | 110  | 117  | 128  | -    | 117  | 124  | 135  | -    | 121  | 129  | 141  | -    | 127  | 135  | 148  | -    | 133  | 142  | 155  | -    |    |    |    |
|      |         | MBh                         | 34.8 | 36.1 | 39.5 | -    | 34.0 | 35.2 | 38.6 | -    | 33.2 | 34.4 | 37.7 | -    | 32.4 | 33.5 | 36.8 | -    | 30.7 | 31.9 | 34.9 | -    |    |    |    |
|      |         | S/T                         | 0.71 | 0.59 | 0.41 | -    | 0.73 | 0.61 | 0.43 | -    | 0.75 | 0.63 | 0.44 | -    | 0.78 | 0.65 | 0.45 | -    | 0.81 | 0.67 | 0.47 | -    |    |    |    |
|      | 75      | 1350                        | Δ T  | 19   | 16   | 12   | -    | 19   | 17   | 13   | -    | 19   | 17   | 13   | -    | 19   | 17   | 13   | -    | 18   | 16   | 12   | -  |    |    |
|      |         |                             | kW   | 2.35 | 2.40 | 2.48 | -    | 2.54 | 2.59 | 2.67 | -    | 2.70 | 2.76 | 2.85 | -    | 2.84 | 2.90 | 3.00 | -    | 2.96 | 3.02 | 3.13 | -  |    |    |
|      |         |                             | Amps | 10.2 | 10.4 | 10.7 | -    | 10.9 | 11.1 | 11.4 | -    | 11.7 | 11.9 | 12.3 | -    | 12.4 | 12.7 | 13.1 | -    | 13.1 | 13.4 | 13.8 | -  |    |    |
| 1201 |         | HI PR                       | 234  | 251  | 266  | -    | 262  | 282  | 298  | -    | 298  | 321  | 339  | -    | 340  | 365  | 386  | -    | 382  | 411  | 434  | -    |    |    |    |
|      |         | LO PR                       | 109  | 116  | 127  | -    | 115  | 123  | 134  | -    | 120  | 128  | 139  | -    | 126  | 134  | 146  | -    | 132  | 141  | 153  | -    |    |    |    |
|      |         | MBh                         | 32.1 | 33.3 | 36.5 | -    | 31.4 | 32.5 | 35.6 | -    | 30.6 | 31.7 | 34.8 | -    | 29.9 | 31.0 | 33.9 | -    | 28.4 | 29.4 | 32.2 | -    |    |    |    |
| 1052 |         | S/T                         | 0.68 | 0.57 | 0.40 | -    | 0.71 | 0.59 | 0.41 | -    | 0.73 | 0.61 | 0.42 | -    | 0.75 | 0.63 | 0.43 | -    | 0.78 | 0.65 | 0.45 | -    |    |    |    |
|      |         | Δ T                         | 19   | 17   | 13   | -    | 19   | 17   | 13   | -    | 19   | 17   | 13   | -    | 20   | 17   | 13   | -    | 19   | 17   | 13   | -    |    |    |    |
|      |         | kW                          | 2.30 | 2.35 | 2.42 | -    | 2.47 | 2.53 | 2.61 | -    | 2.63 | 2.69 | 2.77 | -    | 2.77 | 2.83 | 2.92 | -    | 2.88 | 2.95 | 3.05 | -    |    |    |    |
| 1350 |         | Amps                        | 9.9  | 10.1 | 10.4 | -    | 10.6 | 10.8 | 11.2 | -    | 11.4 | 11.7 | 12.0 | -    | 12.1 | 12.4 | 12.7 | -    | 12.8 | 13.1 | 13.5 | -    |    |    |    |
|      |         | HI PR                       | 227  | 244  | 258  | -    | 254  | 274  | 289  | -    | 289  | 311  | 329  | -    | 329  | 355  | 374  | -    | 371  | 399  | 421  | -    |    |    |    |
|      |         | LO PR                       | 106  | 113  | 123  | -    | 112  | 119  | 130  | -    | 116  | 124  | 135  | -    | 122  | 130  | 142  | -    | 128  | 136  | 149  | -    |    |    |    |
| 75   | 1350    | MBh                         | 36.4 | 37.5 | 40.6 | 43.6 | 35.6 | 36.7 | 39.7 | 42.6 | 34.7 | 35.8 | 38.7 | 41.6 | 33.9 | 34.9 | 37.8 | 40.6 | 32.2 | 33.2 | 35.9 | 38.5 |    |    |    |
|      |         | S/T                         | 0.84 | 0.76 | 0.57 | 0.37 | 0.88 | 0.78 | 0.59 | 0.38 | 0.90 | 0.80 | 0.61 | 0.39 | 0.93 | 0.83 | 0.63 | 0.40 | 0.96 | 0.86 | 0.65 | 0.42 |    |    |    |
|      |         | Δ T                         | 21   | 19   | 16   | 11   | 21   | 20   | 16   | 11   | 21   | 20   | 16   | 11   | 21   | 20   | 16   | 11   | 21   | 19   | 16   | 11   |    |    |    |
|      | 1201    | kW                          | 2.39 | 2.44 | 2.52 | 2.60 | 2.58 | 2.63 | 2.72 | 2.81 | 2.74 | 2.80 | 2.89 | 2.99 | 2.89 | 2.95 | 3.05 | 3.15 | 3.01 | 3.08 | 3.18 | 3.29 |    |    |    |
|      |         | Amps                        | 10.3 | 10.5 | 10.8 | 11.2 | 11.1 | 11.3 | 11.6 | 12.0 | 11.9 | 12.1 | 12.5 | 12.9 | 12.6 | 12.9 | 13.3 | 13.7 | 13.3 | 13.6 | 14.0 | 14.5 |    |    |    |
|      |         | HI PR                       | 238  | 257  | 271  | 283  | 268  | 288  | 304  | 317  | 304  | 327  | 346  | 361  | 347  | 373  | 394  | 411  | 390  | 420  | 443  | 462  |    |    |    |
|      | 1052    | LO PR                       | 111  | 119  | 129  | 138  | 118  | 125  | 137  | 146  | 122  | 130  | 142  | 151  | 129  | 137  | 149  | 159  | 135  | 143  | 157  | 167  |    |    |    |
|      |         | MBh                         | 35.4 | 36.4 | 39.4 | 42.3 | 34.6 | 35.6 | 38.5 | 41.3 | 33.7 | 34.7 | 37.6 | 40.4 | 32.9 | 33.9 | 36.7 | 39.4 | 31.3 | 32.2 | 34.8 | 37.4 |    |    |    |
|      |         | S/T                         | 0.81 | 0.72 | 0.55 | 0.35 | 0.84 | 0.75 | 0.57 | 0.36 | 0.86 | 0.77 | 0.58 | 0.37 | 0.88 | 0.79 | 0.60 | 0.38 | 0.92 | 0.82 | 0.62 | 0.40 |    |    |    |
|      | 1350    | Δ T                         | 22   | 20   | 16   | 11   | 22   | 20   | 17   | 12   | 22   | 20   | 17   | 12   | 22   | 21   | 17   | 12   | 22   | 20   | 17   | 11   |    |    |    |
|      |         | kW                          | 2.37 | 2.42 | 2.50 | 2.58 | 2.56 | 2.61 | 2.70 | 2.79 | 2.72 | 2.78 | 2.87 | 2.97 | 2.86 | 2.93 | 3.02 | 3.12 | 2.98 | 3.05 | 3.15 | 3.26 |    |    |    |
|      |         | Amps                        | 10.3 | 10.5 | 10.8 | 11.1 | 11.0 | 11.2 | 11.5 | 11.9 | 11.8 | 12.0 | 12.4 | 12.8 | 12.5 | 12.8 | 13.2 | 13.6 | 13.2 | 13.5 | 13.9 | 14.4 |    |    |    |
| 1201 | HI PR   | 236                         | 254  | 268  | 280  | 265  | 285  | 301  | 314  | 301  | 324  | 342  | 357  | 343  | 369  | 390  | 407  | 386  | 415  | 439  | 457  |      |    |    |    |
|      | LO PR   | 110                         | 117  | 128  | 137  | 117  | 124  | 135  | 144  | 121  | 129  | 141  | 150  | 127  | 135  | 148  | 157  | 133  | 142  | 155  | 165  |      |    |    |    |
|      | MBh     | 32.7                        | 33.6 | 36.4 | 39.1 | 31.9 | 32.8 | 35.6 | 38.2 | 31.1 | 32.1 | 34.7 | 37.2 | 30.4 | 31.3 | 33.9 | 36.3 | 28.9 | 29.7 | 32.2 | 34.5 |      |    |    |    |
| 1052 | S/T     | 0.78                        | 0.69 | 0.53 | 0.34 | 0.81 | 0.72 | 0.55 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.85 | 0.76 | 0.58 | 0.37 | 0.88 | 0.79 | 0.60 | 0.39 |      |    |    |    |
|      | Δ T     | 22                          | 20   | 17   | 12   | 22   | 21   | 17   | 12   | 22   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 22   | 21   | 17   | 12   |      |    |    |    |
|      | kW      | 2.32                        | 2.36 | 2.44 | 2.52 | 2.49 | 2.55 | 2.63 | 2.72 | 2.65 | 2.71 | 2.80 | 2.89 | 2.79 | 2.85 | 2.95 | 3.05 | 2.91 | 2.97 | 3.07 | 3.18 |      |    |    |    |
| 1350 | Amps    | 10.0                        | 10.2 | 10.5 | 10.8 | 10.7 | 10.9 | 11.2 | 11.6 | 11.5 | 11.8 | 12.1 | 12.5 | 12.2 | 12.5 | 12.8 | 13.3 | 12.9 | 13.2 | 13.6 | 14.0 |      |    |    |    |
|      | HI PR   | 229                         | 246  | 260  | 271  | 257  | 276  | 292  | 304  | 292  | 314  | 332  | 346  | 333  | 358  | 378  | 394  | 374  | 403  | 425  | 444  |      |    |    |    |
|      | LO PR   | 107                         | 114  | 124  | 132  | 113  | 120  | 131  | 140  | 118  | 125  | 137  | 145  | 123  | 131  | 143  | 153  | 129  | 138  | 150  | 160  |      |    |    |    |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects ACCA (TVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power

EXPANDED COOLING DATA — GPC1436H41\*\* (CONT.)

| IDB  | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |         | 65                          |      |      |      | 75   |      |      |      | 85   |      |      |      | 95   |      |      |      | 105  |      |      |      | 115  |      |      |      |      |
|      |         | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |      |
| 80   | 1350    | MBh                         | 37.1 | 37.9 | 40.5 | 43.3 | 36.2 | 37.0 | 39.6 | 42.3 | 35.4 | 36.1 | 38.6 | 41.3 | 34.5 | 35.3 | 37.7 | 40.3 | 32.8 | 33.5 | 35.8 | 38.3 | 30.4 | 31.0 | 33.1 | 35.4 |
|      |         | S/T                         | 0.93 | 0.87 | 0.71 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 1.00 | 0.92 | 0.75 | 0.56 | 1.00 | 0.95 | 0.78 | 0.58 | 1.00 | 1.00 | 0.81 | 0.60 | 1.00 | 1.00 | 0.81 | 0.61 |
|      |         | Δ T                         | 23   | 22   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 22   | 23   | 20   | 16   | 21   | 21   | 18   | 15   |
|      | 1201    | kW                          | 2.41 | 2.46 | 2.54 | 2.62 | 2.60 | 2.65 | 2.74 | 2.83 | 2.76 | 2.83 | 2.92 | 3.02 | 2.91 | 2.98 | 3.07 | 3.18 | 3.03 | 3.10 | 3.21 | 3.32 | 3.14 | 3.21 | 3.32 | 3.44 |
|      |         | Amps                        | 10.4 | 10.6 | 10.9 | 11.3 | 11.1 | 11.4 | 11.7 | 12.1 | 12.0 | 12.2 | 12.6 | 13.0 | 12.7 | 13.0 | 13.4 | 13.8 | 13.4 | 13.7 | 14.2 | 14.6 | 14.2 | 14.5 | 14.9 | 15.4 |
|      |         | HI PR                       | 241  | 259  | 274  | 285  | 270  | 291  | 307  | 320  | 307  | 331  | 349  | 364  | 350  | 377  | 398  | 415  | 394  | 424  | 447  | 467  | 435  | 468  | 494  | 516  |
|      | 1052    | LO PR                       | 113  | 120  | 131  | 139  | 119  | 127  | 138  | 147  | 124  | 132  | 144  | 153  | 130  | 138  | 151  | 161  | 136  | 145  | 158  | 168  | 141  | 150  | 164  | 174  |
|      |         | MBh                         | 36.0 | 36.8 | 39.3 | 42.0 | 35.2 | 35.9 | 38.4 | 41.1 | 34.3 | 35.1 | 37.5 | 40.1 | 33.5 | 34.2 | 36.6 | 39.1 | 31.8 | 32.5 | 34.7 | 37.1 | 29.5 | 30.1 | 32.2 | 34.4 |
|      |         | S/T                         | 0.88 | 0.83 | 0.67 | 0.50 | 0.92 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 0.95 | 0.77 | 0.58 |
|      | 85      | 1350                        | Δ T  | 24   | 23   | 20   | 16   | 25   | 24   | 21   | 16   | 25   | 24   | 21   | 16   | 25   | 24   | 21   | 17   | 24   | 23   | 20   | 16   | 23   | 22   | 19   |
| kW   |         |                             | 2.39 | 2.44 | 2.52 | 2.60 | 2.58 | 2.63 | 2.72 | 2.81 | 2.74 | 2.80 | 2.89 | 2.99 | 2.89 | 2.95 | 3.05 | 3.15 | 3.01 | 3.08 | 3.18 | 3.29 | 3.12 | 3.19 | 3.29 | 3.41 |
| Amps |         |                             | 10.3 | 10.6 | 10.8 | 11.2 | 11.1 | 11.3 | 11.6 | 12.0 | 11.9 | 12.1 | 12.5 | 12.9 | 12.6 | 12.9 | 13.3 | 13.7 | 13.3 | 13.6 | 14.0 | 14.5 | 14.0 | 14.4 | 14.8 | 15.3 |
| 1201 |         | HI PR                       | 238  | 257  | 271  | 283  | 268  | 288  | 304  | 317  | 304  | 327  | 346  | 361  | 347  | 373  | 394  | 411  | 390  | 420  | 443  | 462  | 431  | 464  | 489  | 511  |
|      |         | LO PR                       | 111  | 119  | 129  | 138  | 118  | 125  | 137  | 146  | 122  | 130  | 142  | 151  | 129  | 137  | 149  | 159  | 135  | 143  | 157  | 167  | 139  | 148  | 162  | 172  |
|      |         | MBh                         | 33.2 | 34.0 | 36.3 | 38.8 | 32.5 | 33.2 | 35.4 | 37.9 | 31.7 | 32.4 | 34.6 | 37.0 | 30.9 | 31.6 | 33.8 | 36.1 | 29.4 | 30.0 | 32.1 | 34.3 | 27.2 | 27.8 | 29.7 | 31.8 |
| 1052 |         | S/T                         | 0.85 | 0.80 | 0.65 | 0.49 | 0.88 | 0.83 | 0.67 | 0.50 | 0.91 | 0.85 | 0.69 | 0.52 | 0.93 | 0.88 | 0.71 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 0.98 | 0.92 | 0.75 | 0.56 |
|      |         | Δ T                         | 25   | 24   | 21   | 16   | 25   | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 23   | 22   | 19   | 15   |
|      |         | kW                          | 2.33 | 2.38 | 2.46 | 2.54 | 2.51 | 2.57 | 2.65 | 2.74 | 2.67 | 2.73 | 2.82 | 2.92 | 2.81 | 2.88 | 2.97 | 3.07 | 2.93 | 3.00 | 3.10 | 3.20 | 3.04 | 3.10 | 3.21 | 3.32 |
| 1350 |         | Amps                        | 10.1 | 10.3 | 10.6 | 10.9 | 10.8 | 11.0 | 11.3 | 11.7 | 11.6 | 11.9 | 12.2 | 12.6 | 12.3 | 12.6 | 12.9 | 13.4 | 13.0 | 13.3 | 13.7 | 14.2 | 13.7 | 14.0 | 14.4 | 14.9 |
|      | HI PR   | 231                         | 249  | 263  | 274  | 260  | 279  | 295  | 308  | 295  | 318  | 335  | 350  | 336  | 362  | 382  | 398  | 378  | 407  | 430  | 448  | 418  | 450  | 475  | 495  |      |
|      | LO PR   | 108                         | 115  | 126  | 134  | 114  | 122  | 133  | 141  | 119  | 126  | 138  | 147  | 125  | 133  | 145  | 154  | 131  | 139  | 152  | 162  | 135  | 144  | 157  | 167  |      |
| 85   | 1350    | MBh                         | 37.7 | 38.5 | 40.3 | 43.0 | 36.9 | 37.6 | 39.4 | 42.0 | 36.0 | 36.7 | 38.4 | 41.0 | 35.1 | 35.8 | 37.5 | 40.0 | 33.4 | 34.0 | 35.6 | 38.0 | 30.9 | 31.5 | 33.0 | 35.2 |
|      |         | S/T                         | 0.97 | 0.94 | 0.85 | 0.69 | 1.00 | 0.97 | 0.88 | 0.71 | 1.00 | 1.00 | 0.90 | 0.73 | 1.00 | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.96 | 0.78 | 1.00 | 1.00 | 0.97 | 0.79 |
|      |         | Δ T                         | 25   | 25   | 23   | 20   | 25   | 25   | 24   | 20   | 25   | 25   | 24   | 20   | 24   | 24   | 24   | 21   | 23   | 23   | 23   | 20   | 21   | 21   | 22   | 19   |
|      | 1201    | kW                          | 2.43 | 2.48 | 2.56 | 2.65 | 2.62 | 2.68 | 2.76 | 2.86 | 2.79 | 2.85 | 2.94 | 3.04 | 2.93 | 3.00 | 3.10 | 3.21 | 3.06 | 3.13 | 3.23 | 3.34 | 3.17 | 3.24 | 3.35 | 3.47 |
|      |         | Amps                        | 10.5 | 10.7 | 11.0 | 11.4 | 11.2 | 11.5 | 11.8 | 12.2 | 12.1 | 12.3 | 12.7 | 13.1 | 12.8 | 13.1 | 13.5 | 13.9 | 13.6 | 13.9 | 14.3 | 14.8 | 14.3 | 14.6 | 15.0 | 15.6 |
|      |         | HI PR                       | 243  | 262  | 276  | 288  | 273  | 294  | 310  | 323  | 310  | 334  | 353  | 368  | 354  | 380  | 402  | 419  | 398  | 428  | 452  | 471  | 439  | 473  | 499  | 521  |
|      | 1052    | LO PR                       | 114  | 121  | 132  | 141  | 120  | 128  | 140  | 149  | 125  | 133  | 145  | 154  | 131  | 140  | 152  | 162  | 137  | 146  | 160  | 170  | 142  | 151  | 165  | 176  |
|      |         | MBh                         | 36.6 | 37.4 | 39.1 | 41.7 | 35.8 | 36.5 | 38.2 | 40.8 | 34.9 | 35.6 | 37.3 | 39.8 | 34.1 | 34.7 | 36.4 | 38.8 | 32.4 | 33.0 | 34.6 | 36.9 | 30.7 | 30.6 | 32.0 | 34.2 |
|      |         | S/T                         | 0.93 | 0.89 | 0.81 | 0.65 | 0.96 | 0.93 | 0.84 | 0.68 | 0.98 | 0.95 | 0.86 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.93 | 0.75 |
|      | 85      | 1350                        | Δ T  | 26   | 26   | 24   | 21   | 26   | 26   | 24   | 21   | 26   | 26   | 24   | 21   | 26   | 26   | 25   | 21   | 25   | 25   | 24   | 21   | 23   | 23   | 23   |
| kW   |         |                             | 2.41 | 2.46 | 2.54 | 2.62 | 2.60 | 2.65 | 2.74 | 2.83 | 2.76 | 2.83 | 2.92 | 3.02 | 2.91 | 2.98 | 3.07 | 3.18 | 3.03 | 3.10 | 3.21 | 3.32 | 3.14 | 3.21 | 3.32 | 3.44 |
| Amps |         |                             | 10.4 | 10.6 | 10.9 | 11.3 | 11.1 | 11.4 | 11.7 | 12.1 | 12.0 | 12.2 | 12.6 | 13.0 | 12.7 | 13.0 | 13.4 | 13.8 | 13.4 | 13.7 | 14.2 | 14.6 | 14.2 | 14.5 | 14.9 | 15.4 |
| 1201 |         | HI PR                       | 241  | 259  | 274  | 285  | 270  | 291  | 307  | 320  | 307  | 331  | 349  | 364  | 350  | 377  | 398  | 415  | 394  | 424  | 447  | 467  | 435  | 468  | 494  | 516  |
|      |         | LO PR                       | 113  | 120  | 131  | 139  | 119  | 127  | 138  | 147  | 124  | 132  | 144  | 153  | 130  | 138  | 151  | 161  | 136  | 145  | 158  | 168  | 141  | 150  | 164  | 174  |
|      |         | MBh                         | 33.8 | 34.5 | 36.1 | 38.5 | 33.0 | 33.7 | 35.3 | 37.6 | 32.2 | 32.9 | 34.4 | 36.7 | 31.5 | 32.1 | 33.6 | 35.8 | 29.9 | 30.5 | 31.9 | 34.0 | 27.7 | 28.2 | 29.6 | 31.5 |
| 1052 |         | S/T                         | 0.89 | 0.86 | 0.78 | 0.63 | 0.93 | 0.89 | 0.81 | 0.65 | 0.95 | 0.92 | 0.83 | 0.67 | 0.98 | 0.95 | 0.85 | 0.69 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 0.99 | 0.89 | 0.72 |
|      |         | Δ T                         | 26   | 26   | 25   | 21   | 27   | 26   | 25   | 21   | 27   | 26   | 25   | 22   | 27   | 26   | 25   | 22   | 26   | 26   | 25   | 21   | 24   | 24   | 23   | 20   |
|      |         | kW                          | 2.35 | 2.40 | 2.48 | 2.56 | 2.53 | 2.59 | 2.67 | 2.76 | 2.70 | 2.75 | 2.84 | 2.94 | 2.84 | 2.90 | 3.00 | 3.10 | 2.96 | 3.02 | 3.12 | 3.23 | 3.06 | 3.13 | 3.24 | 3.35 |
| 1350 |         | Amps                        | 10.2 | 10.4 | 10.7 | 11.0 | 10.9 | 11.1 | 11.4 | 11.8 | 11.7 | 11.9 | 12.3 | 12.7 | 12.4 | 12.7 | 13.0 | 13.5 | 13.1 | 13.4 | 13.8 | 14.3 | 13.8 | 14.1 | 14.5 | 15.0 |
|      | HI PR   | 234                         | 251  | 265  | 277  | 262  | 282  | 298  | 311  | 298  | 321  | 339  | 353  | 340  | 365  | 386  | 402  | 382  | 411  | 434  | 453  | 422  | 454  | 480  | 500  |      |
|      | LO PR   | 109                         | 116  | 127  | 135  | 115  | 123  | 134  | 143  | 120  | 128  | 139  | 148  | 126  | 134  | 146  | 156  | 132  | 140  | 153  | 163  | 137  | 145  | 159  | 169  |      |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects AHRI (TVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power

EXPANDED COOLING DATA — GPC1442H41\*\*

| IDB   |       | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|-------|-------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
|       |       | 65                                   |      |      |      | 75   |      |      |      | 85   |      |      |      | 95   |      |      |      | 105  |      |      |      | 115  |      |      |      |   |
|       |       | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |
|       |       | 59                                   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |   |
| 70    | 1432  | MBh                                  | 39.8 | 41.3 | 45.2 | -    | 38.0 | 39.3 | 43.1 | -    | 37.0 | 38.4 | 42.0 | -    | 35.2 | 36.5 | 39.9 | -    | 32.6 | 33.8 | 37.0 | -    | 32.6 | 33.8 | 37.0 | - |
|       |       | S/T                                  | 0.72 | 0.60 | 0.42 | -    | 0.77 | 0.64 | 0.44 | -    | 0.79 | 0.66 | 0.46 | -    | 0.82 | 0.69 | 0.48 | -    | 0.83 | 0.69 | 0.48 | -    | 0.83 | 0.69 | 0.48 | - |
|       | Δ T   | 18                                   | 16   | 12   | -    | 19   | 16   | 12   | -    | 19   | 16   | 12   | -    | 19   | 16   | 12   | -    | 17   | 15   | 11   | -    | 17   | 15   | 11   | -    |   |
|       | kW    | 2.68                                 | 2.74 | 2.82 | -    | 2.89 | 2.95 | 3.04 | -    | 3.07 | 3.14 | 3.24 | -    | 3.23 | 3.30 | 3.41 | -    | 3.37 | 3.44 | 3.56 | -    | 3.48 | 3.56 | 3.68 | -    |   |
|       | Amps  | 11.4                                 | 11.7 | 12.0 | -    | 12.3 | 12.6 | 13.0 | -    | 13.3 | 13.6 | 14.0 | -    | 14.2 | 14.5 | 15.0 | -    | 15.1 | 15.4 | 15.9 | -    | 15.9 | 16.3 | 16.8 | -    |   |
|       | HIPR  | 241                                  | 260  | 274  | -    | 271  | 291  | 308  | -    | 308  | 331  | 350  | -    | 351  | 377  | 399  | -    | 395  | 425  | 448  | -    | 436  | 469  | 495  | -    |   |
|       | LO PR | 109                                  | 116  | 127  | -    | 115  | 122  | 134  | -    | 120  | 127  | 139  | -    | 126  | 134  | 146  | -    | 132  | 140  | 153  | -    | 136  | 145  | 158  | -    |   |
|       | 1274  | MBh                                  | 38.6 | 40.1 | 43.9 | -    | 37.7 | 39.1 | 42.9 | -    | 36.8 | 38.2 | 41.8 | -    | 34.1 | 35.4 | 38.8 | -    | 31.6 | 32.8 | 35.9 | -    | 31.6 | 32.8 | 35.9 | - |
|       |       | S/T                                  | 0.69 | 0.58 | 0.40 | -    | 0.71 | 0.60 | 0.41 | -    | 0.73 | 0.61 | 0.42 | -    | 0.76 | 0.65 | 0.45 | -    | 0.79 | 0.66 | 0.46 | -    | 0.79 | 0.66 | 0.46 | - |
|       | Δ T   | 19                                   | 17   | 13   | -    | 19   | 17   | 13   | -    | 19   | 17   | 13   | -    | 20   | 17   | 13   | -    | 19   | 17   | 13   | -    | 18   | 16   | 12   | -    |   |
| kW    | 2.66  | 2.72                                 | 2.80 | -    | 2.86 | 2.92 | 3.02 | -    | 3.04 | 3.11 | 3.21 | -    | 3.20 | 3.27 | 3.38 | -    | 3.34 | 3.41 | 3.53 | -    | 3.45 | 3.53 | 3.65 | -    |      |   |
| Amps  | 11.3  | 11.6                                 | 11.9 | -    | 12.2 | 12.5 | 12.9 | -    | 13.2 | 13.5 | 13.9 | -    | 14.1 | 14.4 | 14.8 | -    | 14.9 | 15.3 | 15.8 | -    | 15.8 | 16.1 | 16.7 | -    |      |   |
| HIPR  | 239   | 257                                  | 272  | -    | 268  | 289  | 305  | -    | 305  | 328  | 346  | -    | 347  | 374  | 395  | -    | 391  | 420  | 444  | -    | 432  | 465  | 491  | -    |      |   |
| LO PR | 108   | 115                                  | 125  | -    | 114  | 121  | 132  | -    | 118  | 126  | 138  | -    | 124  | 132  | 145  | -    | 130  | 139  | 151  | -    | 135  | 144  | 157  | -    |      |   |
| 1116  | MBh   | 35.7                                 | 37.0 | 40.5 | -    | 34.8 | 36.1 | 39.6 | -    | 34.0 | 35.2 | 38.6 | -    | 33.2 | 34.4 | 37.7 | -    | 31.5 | 32.7 | 35.8 | -    | 29.2 | 30.3 | 33.2 | -    |   |
|       | S/T   | 0.66                                 | 0.55 | 0.38 | -    | 0.69 | 0.57 | 0.40 | -    | 0.71 | 0.59 | 0.41 | -    | 0.73 | 0.61 | 0.42 | -    | 0.76 | 0.63 | 0.44 | -    | 0.76 | 0.64 | 0.44 | -    |   |
| Δ T   | 20    | 17                                   | 13   | -    | 20   | 17   | 13   | -    | 20   | 17   | 13   | -    | 20   | 17   | 13   | -    | 20   | 17   | 13   | -    | 18   | 16   | 12   | -    |      |   |
| kW    | 2.60  | 2.65                                 | 2.73 | -    | 2.79 | 2.85 | 2.94 | -    | 2.97 | 3.03 | 3.13 | -    | 3.12 | 3.19 | 3.30 | -    | 3.25 | 3.33 | 3.44 | -    | 3.37 | 3.44 | 3.56 | -    |      |   |
| Amps  | 11.0  | 11.3                                 | 11.6 | -    | 11.9 | 12.2 | 12.5 | -    | 12.8 | 13.1 | 13.6 | -    | 13.7 | 14.0 | 14.4 | -    | 14.5 | 14.9 | 15.3 | -    | 15.3 | 15.7 | 16.2 | -    |      |   |
| HIPR  | 232   | 249                                  | 263  | -    | 260  | 280  | 296  | -    | 296  | 318  | 336  | -    | 337  | 363  | 383  | -    | 379  | 408  | 431  | -    | 419  | 451  | 476  | -    |      |   |
| LO PR | 105   | 111                                  | 122  | -    | 111  | 118  | 128  | -    | 115  | 122  | 133  | -    | 121  | 128  | 140  | -    | 127  | 135  | 147  | -    | 131  | 139  | 152  | -    |      |   |

|       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 75    | 1432  | MBh  | 40.5 | 41.7 | 45.1 | 48.4 | 39.5 | 40.7 | 44.1 | 47.3 | 38.6 | 39.7 | 43.0 | 46.2 | 37.7 | 38.8 | 42.0 | 45.0 | 35.8 | 36.8 | 39.9 | 42.8 | 33.1 | 34.1 | 36.9 | 39.6 |
|       |       | S/T  | 0.82 | 0.73 | 0.56 | 0.36 | 0.85 | 0.76 | 0.58 | 0.37 | 0.87 | 0.78 | 0.59 | 0.38 | 0.90 | 0.81 | 0.61 | 0.39 | 0.93 | 0.84 | 0.63 | 0.41 | 0.94 | 0.84 | 0.64 | 0.41 |
|       | Δ T   | 21   | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 21   | 20   | 16   | 11   | 20   | 18   | 15   | 10   |      |
|       | kW    | 2.70 | 2.76 | 2.85 | 2.94 | 2.91 | 2.97 | 3.07 | 3.17 | 3.09 | 3.16 | 3.27 | 3.37 | 3.26 | 3.33 | 3.44 | 3.55 | 3.39 | 3.47 | 3.59 | 3.71 | 3.51 | 3.59 | 3.71 | 3.84 |      |
|       | Amps  | 11.5 | 11.8 | 12.2 | 12.6 | 12.4 | 12.7 | 13.1 | 13.6 | 13.4 | 13.7 | 14.2 | 14.7 | 14.3 | 14.6 | 15.1 | 15.7 | 15.2 | 15.5 | 16.0 | 16.6 | 16.1 | 16.4 | 17.0 | 17.6 |      |
|       | HIPR  | 244  | 262  | 277  | 289  | 274  | 294  | 311  | 324  | 311  | 335  | 354  | 369  | 354  | 381  | 403  | 420  | 399  | 429  | 453  | 472  | 440  | 474  | 501  | 522  |      |
|       | LO PR | 110  | 117  | 128  | 136  | 116  | 124  | 135  | 144  | 121  | 129  | 140  | 150  | 127  | 135  | 147  | 157  | 133  | 142  | 155  | 165  | 138  | 146  | 160  | 170  |      |
|       | 1274  | MBh  | 39.3 | 40.5 | 43.8 | 47.0 | 38.4 | 39.5 | 42.8 | 45.9 | 37.5 | 38.6 | 41.8 | 44.8 | 36.6 | 37.6 | 40.7 | 43.7 | 34.7 | 35.8 | 38.7 | 41.5 | 32.2 | 33.1 | 35.9 | 38.5 |
|       |       | S/T  | 0.78 | 0.70 | 0.53 | 0.34 | 0.81 | 0.73 | 0.55 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.86 | 0.77 | 0.58 | 0.37 | 0.89 | 0.80 | 0.60 | 0.39 | 0.90 | 0.80 | 0.61 | 0.39 |
|       | Δ T   | 22   | 20   | 17   | 12   | 22   | 21   | 17   | 12   | 22   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 22   | 21   | 17   | 12   | 21   | 19   | 16   | 11   |      |
| kW    | 2.68  | 2.74 | 2.82 | 2.91 | 2.89 | 2.95 | 3.04 | 3.14 | 3.07 | 3.14 | 3.24 | 3.35 | 3.23 | 3.30 | 3.41 | 3.52 | 3.37 | 3.44 | 3.56 | 3.68 | 3.48 | 3.56 | 3.68 | 3.81 |      |      |
| Amps  | 11.4  | 11.7 | 12.0 | 12.5 | 12.3 | 12.6 | 13.0 | 13.4 | 13.3 | 13.6 | 14.0 | 14.6 | 14.2 | 14.5 | 15.0 | 15.5 | 15.1 | 15.4 | 15.9 | 16.5 | 15.9 | 16.3 | 16.8 | 17.4 |      |      |
| HIPR  | 241   | 260  | 274  | 286  | 271  | 291  | 308  | 321  | 308  | 331  | 350  | 365  | 351  | 378  | 399  | 416  | 395  | 425  | 449  | 468  | 436  | 469  | 496  | 517  |      |      |
| LO PR | 109   | 116  | 127  | 135  | 115  | 123  | 134  | 142  | 120  | 127  | 139  | 148  | 126  | 134  | 146  | 156  | 132  | 140  | 153  | 163  | 136  | 145  | 158  | 169  |      |      |
| 1116  | MBh   | 36.3 | 37.3 | 40.4 | 43.4 | 35.4 | 36.5 | 39.5 | 42.4 | 34.6 | 35.6 | 38.5 | 41.4 | 33.7 | 34.7 | 37.6 | 40.4 | 32.1 | 33.0 | 35.7 | 38.3 | 29.7 | 30.6 | 33.1 | 35.5 |      |
|       | S/T   | 0.75 | 0.68 | 0.51 | 0.33 | 0.78 | 0.70 | 0.53 | 0.34 | 0.80 | 0.72 | 0.54 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.86 | 0.77 | 0.58 | 0.37 | 0.87 | 0.78 | 0.59 | 0.38 |      |
| Δ T   | 23    | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 23   | 21   | 17   | 12   | 21   | 20   | 16   | 11   |      |      |
| kW    | 2.62  | 2.67 | 2.76 | 2.84 | 2.82 | 2.88 | 2.97 | 3.07 | 2.99 | 3.06 | 3.16 | 3.26 | 3.15 | 3.22 | 3.32 | 3.44 | 3.28 | 3.35 | 3.47 | 3.58 | 3.40 | 3.47 | 3.59 | 3.71 |      |      |
| Amps  | 11.1  | 11.4 | 11.7 | 12.1 | 12.0 | 12.3 | 12.6 | 13.1 | 13.0 | 13.3 | 13.7 | 14.2 | 13.8 | 14.1 | 14.6 | 15.1 | 14.7 | 15.0 | 15.5 | 16.0 | 15.5 | 15.9 | 16.4 | 17.0 |      |      |
| HIPR  | 234   | 252  | 266  | 277  | 263  | 283  | 299  | 311  | 299  | 322  | 340  | 354  | 340  | 366  | 387  | 403  | 383  | 412  | 435  | 454  | 423  | 455  | 481  | 501  |      |      |
| LO PR | 106   | 112  | 123  | 131  | 112  | 119  | 130  | 138  | 116  | 124  | 135  | 144  | 122  | 130  | 142  | 151  | 128  | 136  | 148  | 158  | 132  | 141  | 154  | 164  |      |      |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects ACCA (TVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power

EXPANDED COOLING DATA — GPC1442H41\*\* (CONT.)

| IDB | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|     |         | 65                          |      |      |      | 75   |      |      |      | 85   |      |      |      | 95                                   |      |      |      | 105  |      |      |      | 115  |      |      |      |      |      |
|     |         | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59                                   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |      |      |
| 80  | 1432    | MBh                         | 41.2 | 42.1 | 45.0 | 48.1 | 40.2 | 41.1 | 43.9 | 47.0 | 39.3 | 40.1 | 42.9 | 45.8                                 | 38.3 | 39.2 | 41.8 | 44.7 | 36.4 | 37.2 | 39.7 | 42.5 | 33.7 | 34.5 | 36.8 | 39.4 |      |
|     |         | S/T                         | 0.90 | 0.84 | 0.69 | 0.51 | 0.93 | 0.88 | 0.71 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55                                 | 1.00 | 0.93 | 0.75 | 0.56 | 1.00 | 0.96 | 0.78 | 0.58 | 1.00 | 0.97 | 0.79 | 0.59 |      |
|     |         | Δ T                         | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16                                   | 25   | 23   | 20   | 16   | 23   | 23   | 20   | 16   | 22   | 21   | 19   | 15   |      |
|     |         | kW                          | 2.72 | 2.78 | 2.87 | 2.96 | 2.93 | 3.00 | 3.09 | 3.20 | 3.12 | 3.19 | 3.29 | 3.40                                 | 3.28 | 3.36 | 3.47 | 3.58 | 3.42 | 3.50 | 3.62 | 3.74 | 3.54 | 3.62 | 3.75 | 3.87 |      |
|     |         | Amps                        | 11.6 | 11.9 | 12.3 | 12.7 | 12.5 | 12.8 | 13.2 | 13.7 | 13.5 | 13.9 | 14.3 | 14.8                                 | 14.4 | 14.8 | 15.2 | 15.8 | 15.3 | 15.7 | 16.2 | 16.8 | 16.2 | 16.6 | 17.1 | 17.8 |      |
|     |         | HI PR                       | 246  | 265  | 280  | 292  | 276  | 297  | 314  | 327  | 314  | 338  | 357  | 372                                  | 358  | 385  | 407  | 424  | 403  | 433  | 458  | 477  | 445  | 479  | 506  | 527  |      |
|     |         | LO PR                       | 111  | 118  | 129  | 138  | 117  | 125  | 136  | 145  | 122  | 130  | 142  | 151                                  | 128  | 136  | 149  | 159  | 134  | 143  | 156  | 166  | 139  | 148  | 161  | 172  |      |
|     |         | 1274                        | MBh  | 40.0 | 40.9 | 43.7 | 46.7 | 39.1 | 39.9 | 42.6 | 45.6 | 38.1 | 39.0 | 41.6                                 | 44.5 | 37.2 | 38.0 | 40.6 | 43.4 | 35.3 | 36.1 | 38.6 | 41.2 | 32.7 | 33.5 | 35.7 | 38.2 |
|     |         | S/T                         | 0.86 | 0.81 | 0.66 | 0.49 | 0.89 | 0.83 | 0.68 | 0.51 | 0.91 | 0.86 | 0.70 | 0.52                                 | 0.94 | 0.88 | 0.72 | 0.54 | 0.98 | 0.92 | 0.75 | 0.56 | 0.99 | 0.92 | 0.75 | 0.56 |      |
|     |         | Δ T                         | 25   | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 25   | 24   | 21   | 17                                   | 25   | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 23   | 22   | 19   | 16   |      |
|     | kW      | 2.70                        | 2.76 | 2.85 | 2.94 | 2.91 | 2.97 | 3.07 | 3.17 | 3.09 | 3.16 | 3.27 | 3.37 | 3.26                                 | 3.33 | 3.44 | 3.55 | 3.40 | 3.47 | 3.59 | 3.71 | 3.51 | 3.59 | 3.71 | 3.84 |      |      |
|     | Amps    | 11.5                        | 11.8 | 12.2 | 12.6 | 12.4 | 12.7 | 13.1 | 13.6 | 13.4 | 13.7 | 14.2 | 14.7 | 14.3                                 | 14.6 | 15.1 | 15.7 | 15.2 | 15.5 | 16.0 | 16.6 | 16.1 | 16.4 | 17.0 | 17.6 |      |      |
|     | HI PR   | 244                         | 262  | 277  | 289  | 274  | 294  | 311  | 324  | 311  | 335  | 354  | 369  | 354                                  | 381  | 403  | 420  | 399  | 429  | 453  | 473  | 440  | 474  | 501  | 522  |      |      |
|     | LO PR   | 110                         | 117  | 128  | 136  | 116  | 124  | 135  | 144  | 121  | 129  | 140  | 150  | 127                                  | 135  | 148  | 157  | 133  | 142  | 155  | 165  | 138  | 146  | 160  | 170  |      |      |
|     | 1116    | MBh                         | 36.9 | 37.7 | 40.3 | 43.1 | 36.1 | 36.8 | 39.4 | 42.1 | 35.2 | 36.0 | 38.4 | 41.1                                 | 34.3 | 35.1 | 37.5 | 40.1 | 32.6 | 33.3 | 35.6 | 38.1 | 30.2 | 30.9 | 33.0 | 35.3 |      |
|     | S/T     | 0.83                        | 0.78 | 0.63 | 0.47 | 0.86 | 0.80 | 0.66 | 0.49 | 0.88 | 0.83 | 0.67 | 0.50 | 0.91                                 | 0.85 | 0.69 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.95 | 0.89 | 0.73 | 0.54 |      |      |
|     | Δ T     | 25                          | 24   | 21   | 17   | 25   | 24   | 21   | 17   | 26   | 24   | 21   | 17   | 26                                   | 25   | 22   | 17   | 25   | 24   | 21   | 17   | 24   | 23   | 20   | 16   |      |      |
|     | kW      | 2.64                        | 2.69 | 2.78 | 2.87 | 2.84 | 2.90 | 2.99 | 3.09 | 3.02 | 3.08 | 3.18 | 3.29 | 3.18                                 | 3.25 | 3.35 | 3.46 | 3.31 | 3.38 | 3.50 | 3.61 | 3.43 | 3.50 | 3.62 | 3.74 |      |      |
|     | Amps    | 11.2                        | 11.5 | 11.8 | 12.3 | 12.1 | 12.4 | 12.7 | 13.2 | 13.1 | 13.4 | 13.8 | 14.3 | 13.9                                 | 14.3 | 14.7 | 15.2 | 14.8 | 15.1 | 15.6 | 16.2 | 15.6 | 16.0 | 16.5 | 17.1 |      |      |
|     | HI PR   | 236                         | 255  | 269  | 280  | 265  | 286  | 302  | 315  | 302  | 325  | 343  | 358  | 344                                  | 370  | 391  | 407  | 387  | 416  | 439  | 458  | 427  | 460  | 486  | 506  |      |      |
|     | LO PR   | 107                         | 114  | 124  | 132  | 113  | 120  | 131  | 140  | 117  | 125  | 136  | 145  | 123                                  | 131  | 143  | 152  | 129  | 137  | 150  | 160  | 134  | 142  | 155  | 165  |      |      |
| 85  | 1432    | MBh                         | 41.9 | 42.7 | 44.7 | 47.7 | 40.9 | 41.7 | 43.7 | 46.6 | 40.0 | 40.7 | 42.7 | 45.5                                 | 39.0 | 39.7 | 41.6 | 44.4 | 37.0 | 37.8 | 39.5 | 42.2 | 34.3 | 35.0 | 36.6 | 39.1 |      |
|     |         | S/T                         | 0.94 | 0.91 | 0.82 | 0.67 | 0.98 | 0.94 | 0.85 | 0.69 | 1.00 | 0.97 | 0.87 | 0.71                                 | 1.00 | 1.00 | 0.90 | 0.73 | 1.00 | 1.00 | 0.94 | 0.76 | 1.00 | 1.00 | 0.94 | 0.77 |      |
|     |         | Δ T                         | 25   | 25   | 24   | 20   | 26   | 25   | 24   | 21   | 26   | 25   | 24   | 21                                   | 25   | 25   | 24   | 21   | 24   | 24   | 24   | 21   | 22   | 22   | 22   | 19   |      |
|     |         | kW                          | 2.75 | 2.80 | 2.89 | 2.99 | 2.96 | 3.02 | 3.12 | 3.22 | 3.15 | 3.21 | 3.32 | 3.43                                 | 3.31 | 3.39 | 3.50 | 3.62 | 3.45 | 3.53 | 3.65 | 3.77 | 3.57 | 3.65 | 3.78 | 3.91 |      |
|     |         | Amps                        | 11.7 | 12.0 | 12.4 | 12.8 | 12.6 | 12.9 | 13.3 | 13.8 | 13.7 | 14.0 | 14.4 | 14.9                                 | 14.6 | 14.9 | 15.4 | 15.9 | 15.5 | 15.8 | 16.3 | 16.9 | 16.3 | 16.7 | 17.3 | 17.9 |      |
|     |         | HI PR                       | 249  | 268  | 283  | 295  | 279  | 300  | 317  | 331  | 317  | 342  | 361  | 376                                  | 361  | 389  | 411  | 428  | 407  | 438  | 462  | 482  | 449  | 484  | 511  | 533  |      |
|     |         | LO PR                       | 112  | 119  | 130  | 139  | 119  | 126  | 138  | 147  | 123  | 131  | 143  | 153                                  | 130  | 138  | 150  | 160  | 136  | 144  | 158  | 168  | 140  | 149  | 163  | 174  |      |
|     |         | 1274                        | MBh  | 40.7 | 41.5 | 43.4 | 46.3 | 39.7 | 40.5 | 42.4 | 45.3 | 38.8 | 39.6 | 41.4                                 | 44.2 | 37.9 | 38.6 | 40.4 | 43.1 | 36.0 | 36.7 | 38.4 | 41.0 | 33.3 | 34.0 | 35.6 | 37.9 |
|     |         | S/T                         | 0.90 | 0.87 | 0.78 | 0.64 | 0.93 | 0.90 | 0.81 | 0.66 | 0.96 | 0.92 | 0.83 | 0.68                                 | 0.99 | 0.95 | 0.86 | 0.70 | 1.00 | 0.99 | 0.89 | 0.72 | 1.00 | 1.00 | 0.90 | 0.73 |      |
|     |         | Δ T                         | 26   | 26   | 25   | 21   | 27   | 26   | 25   | 22   | 27   | 26   | 25   | 22                                   | 27   | 27   | 25   | 22   | 26   | 26   | 25   | 21   | 24   | 24   | 23   | 20   |      |
|     | kW      | 2.72                        | 2.78 | 2.87 | 2.96 | 2.93 | 3.00 | 3.09 | 3.20 | 3.12 | 3.19 | 3.29 | 3.40 | 3.28                                 | 3.36 | 3.47 | 3.58 | 3.42 | 3.50 | 3.62 | 3.74 | 3.54 | 3.62 | 3.75 | 3.87 |      |      |
|     | Amps    | 11.6                        | 11.9 | 12.3 | 12.7 | 12.5 | 12.8 | 13.2 | 13.7 | 13.5 | 13.9 | 14.3 | 14.8 | 14.4                                 | 14.8 | 15.2 | 15.8 | 15.3 | 15.7 | 16.2 | 16.8 | 16.2 | 16.6 | 17.1 | 17.8 |      |      |
|     | HI PR   | 246                         | 265  | 280  | 292  | 276  | 297  | 314  | 327  | 314  | 338  | 357  | 372  | 358                                  | 385  | 407  | 424  | 403  | 433  | 458  | 477  | 445  | 479  | 506  | 527  |      |      |
|     | LO PR   | 111                         | 118  | 129  | 138  | 117  | 125  | 136  | 145  | 122  | 130  | 142  | 151  | 128                                  | 136  | 149  | 159  | 134  | 143  | 156  | 166  | 139  | 148  | 161  | 172  |      |      |
|     | 1116    | MBh                         | 37.6 | 38.3 | 40.1 | 42.8 | 36.7 | 37.4 | 39.2 | 41.8 | 35.8 | 36.5 | 38.2 | 40.8                                 | 34.9 | 35.6 | 37.3 | 39.8 | 33.2 | 33.8 | 35.4 | 37.8 | 30.7 | 31.3 | 32.8 | 35.0 |      |
|     | S/T     | 0.87                        | 0.84 | 0.76 | 0.61 | 0.90 | 0.87 | 0.78 | 0.64 | 0.92 | 0.89 | 0.80 | 0.65 | 0.95                                 | 0.92 | 0.83 | 0.67 | 0.99 | 0.95 | 0.86 | 0.70 | 1.00 | 0.96 | 0.87 | 0.70 |      |      |
|     | Δ T     | 27                          | 26   | 25   | 22   | 27   | 27   | 25   | 22   | 27   | 27   | 25   | 22   | 27                                   | 27   | 25   | 22   | 27   | 27   | 25   | 22   | 25   | 25   | 23   | 20   |      |      |
|     | kW      | 2.66                        | 2.71 | 2.80 | 2.89 | 2.86 | 2.92 | 3.02 | 3.12 | 3.04 | 3.11 | 3.21 | 3.32 | 3.20                                 | 3.27 | 3.38 | 3.49 | 3.34 | 3.41 | 3.52 | 3.64 | 3.45 | 3.53 | 3.65 | 3.77 |      |      |
|     | Amps    | 11.3                        | 11.6 | 11.9 | 12.4 | 12.2 | 12.5 | 12.9 | 13.3 | 13.2 | 13.5 | 13.9 | 14.4 | 14.1                                 | 14.4 | 14.8 | 15.4 | 14.9 | 15.3 | 15.8 | 16.3 | 15.8 | 16.1 | 16.7 | 17.3 |      |      |
|     | HI PR   | 239                         | 257  | 271  | 283  | 268  | 288  | 305  | 318  | 305  | 328  | 346  | 361  | 347                                  | 374  | 395  | 411  | 391  | 420  | 444  | 463  | 432  | 464  | 490  | 511  |      |      |
|     | LO PR   | 108                         | 115  | 125  | 133  | 114  | 121  | 132  | 141  | 118  | 126  | 138  | 147  | 124                                  | 132  | 145  | 154  | 130  | 139  | 151  | 161  | 135  | 143  | 157  | 167  |      |      |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects AHRI (TVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power

EXPANDED COOLING DATA — GPC1448H41\*\*

| IDB  | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |       |      |      |      |      |      |      |      |      |      |      | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|---------|-----------------------------|-------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|---|
|      |         | 65                          |       |      |      | 75   |      |      |      | 85   |      |      |      | 95                                   |      |      |      | 105  |      |      |      | 115  |      |      |      |      |   |
|      |         | 59                          | 63    | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59                                   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |      |   |
| 70   | 1777    | MBh                         | 46.1  | 47.8 | 52.4 | -    | 45.1 | 46.7 | 51.2 | -    | 44.0 | 45.6 | 49.9 | -                                    | 42.9 | 44.5 | 48.7 | -    | 40.8 | 42.2 | 46.3 | -    | 37.8 | 39.1 | 42.9 | -    |   |
|      |         | S/T                         | 0.75  | 0.63 | 0.43 | -    | 0.78 | 0.65 | 0.45 | -    | 0.80 | 0.67 | 0.46 | -                                    | 0.82 | 0.69 | 0.48 | -    | 0.85 | 0.71 | 0.49 | -    | 0.86 | 0.72 | 0.50 | -    |   |
|      | 1582    | ΔT                          | 18    | 15   | 12   | -    | 18   | 16   | 12   | -    | 18   | 16   | 12   | -                                    | 18   | 16   | 12   | -    | 18   | 16   | 12   | -    | 17   | 15   | 11   | -    |   |
|      |         | kW                          | 2.39  | 2.46 | 2.55 | -    | 2.63 | 2.70 | 2.80 | -    | 2.83 | 2.91 | 3.02 | -                                    | 3.01 | 3.09 | 3.22 | -    | 3.17 | 3.25 | 3.38 | -    | 3.30 | 3.39 | 3.52 | -    |   |
|      | 1386    | Amps                        | 13.2  | 13.4 | 13.8 | -    | 14.1 | 14.4 | 14.8 | -    | 15.2 | 15.5 | 16.0 | -                                    | 16.1 | 16.5 | 17.0 | -    | 17.1 | 17.4 | 18.0 | -    | 18.0 | 18.4 | 19.0 | -    |   |
|      |         | HI PR                       | 232   | 250  | 264  | -    | 261  | 281  | 296  | -    | 297  | 319  | 337  | -                                    | 338  | 364  | 384  | -    | 380  | 409  | 432  | -    | 420  | 452  | 477  | -    |   |
|      | 75      | 1777                        | LO PR | 111  | 118  | 129  | -    | 117  | 125  | 136  | -    | 122  | 129  | 141                                  | -    | 128  | 136  | 148  | -    | 134  | 143  | 156  | -    | 139  | 147  | 161  | - |
|      |         |                             | MBh   | 44.8 | 46.4 | 50.9 | -    | 43.7 | 45.3 | 49.7 | -    | 42.7 | 44.3 | 48.5                                 | -    | 41.7 | 43.2 | 47.3 | -    | 39.6 | 41.0 | 44.9 | -    | 36.7 | 38.0 | 41.6 | - |
|      |         | 1582                        | S/T   | 0.72 | 0.60 | 0.41 | -    | 0.74 | 0.62 | 0.43 | -    | 0.76 | 0.64 | 0.44                                 | -    | 0.79 | 0.66 | 0.45 | -    | 0.81 | 0.68 | 0.47 | -    | 0.82 | 0.69 | 0.48 | - |
|      |         |                             | ΔT    | 19   | 16   | 12   | -    | 19   | 16   | 12   | -    | 19   | 16   | 12                                   | -    | 19   | 16   | 12   | -    | 19   | 16   | 12   | -    | 18   | 15   | 12   | - |
| 1386 |         | kW                          | 2.37  | 2.43 | 2.53 | -    | 2.60 | 2.67 | 2.78 | -    | 2.80 | 2.88 | 2.99 | -                                    | 2.98 | 3.06 | 3.19 | -    | 3.14 | 3.22 | 3.35 | -    | 3.27 | 3.36 | 3.49 | -    |   |
|      |         | Amps                        | 13.1  | 13.3 | 13.7 | -    | 14.0 | 14.3 | 14.7 | -    | 15.1 | 15.4 | 15.9 | -                                    | 16.0 | 16.3 | 16.8 | -    | 16.9 | 17.3 | 17.8 | -    | 17.8 | 18.2 | 18.8 | -    |   |
| 1777 |         | HI PR                       | 230   | 248  | 262  | -    | 258  | 278  | 293  | -    | 294  | 316  | 334  | -                                    | 335  | 360  | 380  | -    | 376  | 405  | 428  | -    | 416  | 447  | 473  | -    |   |
|      |         | LO PR                       | 110   | 117  | 127  | -    | 116  | 123  | 135  | -    | 120  | 128  | 140  | -                                    | 127  | 135  | 147  | -    | 133  | 141  | 154  | -    | 137  | 146  | 159  | -    |   |
| 1582 |         | MBh                         | 41.3  | 42.8 | 46.9 | -    | 40.4 | 41.8 | 45.8 | -    | 39.4 | 40.8 | 44.8 | -                                    | 38.5 | 39.9 | 43.7 | -    | 36.5 | 37.9 | 41.5 | -    | 33.8 | 35.1 | 38.4 | -    |   |
|      |         | S/T                         | 0.69  | 0.58 | 0.40 | -    | 0.72 | 0.60 | 0.41 | -    | 0.73 | 0.61 | 0.42 | -                                    | 0.76 | 0.63 | 0.44 | -    | 0.79 | 0.66 | 0.45 | -    | 0.79 | 0.66 | 0.46 | -    |   |
| 1386 | ΔT      | 19                          | 16    | 12   | -    | 19   | 17   | 13   | -    | 19   | 17   | 13   | -    | 19                                   | 17   | 13   | -    | 19   | 16   | 13   | -    | 18   | 15   | 12   | -    |      |   |
|      | kW      | 2.30                        | 2.36  | 2.45 | -    | 2.52 | 2.59 | 2.69 | -    | 2.72 | 2.79 | 2.90 | -    | 2.89                                 | 2.97 | 3.09 | -    | 3.04 | 3.12 | 3.25 | -    | 3.17 | 3.26 | 3.38 | -    |      |   |
| 1777 | Amps    | 12.7                        | 13.0  | 13.4 | -    | 13.6 | 13.9 | 14.3 | -    | 14.7 | 15.0 | 15.5 | -    | 15.6                                 | 15.9 | 16.4 | -    | 16.5 | 16.9 | 17.4 | -    | 17.4 | 17.8 | 18.3 | -    |      |   |
|      | HI PR   | 223                         | 240   | 254  | -    | 251  | 270  | 285  | -    | 285  | 307  | 324  | -    | 324                                  | 349  | 369  | -    | 365  | 393  | 415  | -    | 403  | 434  | 458  | -    |      |   |
| 1582 | LO PR   | 106                         | 113   | 124  | -    | 112  | 120  | 131  | -    | 117  | 124  | 136  | -    | 123                                  | 131  | 143  | -    | 129  | 137  | 149  | -    | 133  | 142  | 155  | -    |      |   |
|      | MBh     | 46.9                        | 48.3  | 52.3 | 56.1 | 45.8 | 47.2 | 51.1 | 54.8 | 44.7 | 46.0 | 49.8 | 53.5 | 43.6                                 | 44.9 | 48.6 | 52.2 | 41.5 | 42.7 | 46.2 | 49.6 | 38.4 | 39.5 | 42.8 | 45.9 |      |   |
| 1386 | S/T     | 0.85                        | 0.76  | 0.58 | 0.37 | 0.88 | 0.79 | 0.60 | 0.39 | 0.91 | 0.81 | 0.61 | 0.39 | 0.94                                 | 0.84 | 0.63 | 0.41 | 0.97 | 0.87 | 0.66 | 0.42 | 0.98 | 0.88 | 0.66 | 0.43 |      |   |
|      | ΔT      | 21                          | 19    | 16   | 11   | 21   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 21                                   | 19   | 16   | 11   | 21   | 19   | 16   | 11   | 19   | 18   | 15   | 10   |      |   |
| 1777 | kW      | 2.42                        | 2.48  | 2.58 | 2.68 | 2.65 | 2.72 | 2.83 | 2.95 | 2.86 | 2.94 | 3.05 | 3.18 | 3.04                                 | 3.13 | 3.25 | 3.38 | 3.20 | 3.29 | 3.42 | 3.55 | 3.34 | 3.43 | 3.56 | 3.70 |      |   |
|      | Amps    | 13.3                        | 13.5  | 13.9 | 14.4 | 14.2 | 14.5 | 14.9 | 15.5 | 15.3 | 15.6 | 16.1 | 16.7 | 16.3                                 | 16.6 | 17.1 | 17.7 | 17.2 | 17.6 | 18.1 | 18.8 | 18.1 | 18.6 | 19.1 | 19.8 |      |   |
| 1582 | HI PR   | 235                         | 253   | 267  | 278  | 263  | 284  | 299  | 312  | 300  | 322  | 341  | 355  | 341                                  | 367  | 388  | 405  | 384  | 413  | 436  | 455  | 424  | 457  | 482  | 503  |      |   |
|      | LO PR   | 112                         | 119   | 130  | 138  | 118  | 126  | 137  | 146  | 123  | 131  | 143  | 152  | 129                                  | 137  | 150  | 160  | 135  | 144  | 157  | 167  | 140  | 149  | 163  | 173  |      |   |
| 1386 | MBh     | 45.5                        | 46.9  | 50.8 | 54.5 | 44.5 | 45.8 | 49.6 | 53.2 | 43.4 | 44.7 | 48.4 | 51.9 | 42.4                                 | 43.6 | 47.2 | 50.7 | 40.2 | 41.4 | 44.9 | 48.1 | 37.3 | 38.4 | 41.5 | 44.6 |      |   |
|      | S/T     | 0.81                        | 0.73  | 0.55 | 0.35 | 0.84 | 0.75 | 0.57 | 0.37 | 0.86 | 0.77 | 0.59 | 0.38 | 0.89                                 | 0.80 | 0.60 | 0.39 | 0.93 | 0.83 | 0.63 | 0.40 | 0.93 | 0.84 | 0.63 | 0.41 |      |   |
| 1777 | ΔT      | 22                          | 20    | 16   | 11   | 22   | 20   | 16   | 11   | 22   | 20   | 16   | 11   | 22                                   | 20   | 17   | 11   | 22   | 20   | 16   | 11   | 20   | 19   | 15   | 11   |      |   |
|      | kW      | 2.39                        | 2.46  | 2.56 | 2.66 | 2.63 | 2.70 | 2.80 | 2.92 | 2.83 | 2.91 | 3.02 | 3.15 | 3.01                                 | 3.10 | 3.22 | 3.35 | 3.17 | 3.25 | 3.38 | 3.52 | 3.30 | 3.39 | 3.53 | 3.67 |      |   |
| 1582 | Amps    | 13.2                        | 13.4  | 13.8 | 14.3 | 14.1 | 14.4 | 14.8 | 15.3 | 15.2 | 15.5 | 16.0 | 16.5 | 16.1                                 | 16.5 | 17.0 | 17.6 | 17.1 | 17.5 | 18.0 | 18.6 | 18.0 | 18.4 | 19.0 | 19.6 |      |   |
|      | HI PR   | 233                         | 250   | 264  | 276  | 261  | 281  | 296  | 309  | 297  | 319  | 337  | 352  | 338                                  | 364  | 384  | 401  | 380  | 409  | 432  | 451  | 420  | 452  | 477  | 498  |      |   |
| 1386 | LO PR   | 111                         | 118   | 129  | 137  | 117  | 125  | 136  | 145  | 122  | 129  | 141  | 151  | 128                                  | 136  | 149  | 158  | 134  | 143  | 156  | 166  | 139  | 147  | 161  | 171  |      |   |
|      | MBh     | 42.0                        | 43.3  | 46.8 | 50.3 | 41.1 | 42.3 | 45.8 | 49.1 | 40.1 | 41.3 | 44.7 | 47.9 | 39.1                                 | 40.3 | 43.6 | 46.8 | 37.1 | 38.2 | 41.4 | 44.4 | 34.4 | 35.4 | 38.3 | 41.2 |      |   |
| 1777 | S/T     | 0.78                        | 0.70  | 0.53 | 0.34 | 0.81 | 0.73 | 0.55 | 0.35 | 0.83 | 0.75 | 0.56 | 0.36 | 0.86                                 | 0.77 | 0.58 | 0.37 | 0.89 | 0.80 | 0.60 | 0.39 | 0.90 | 0.81 | 0.61 | 0.39 |      |   |
|      | ΔT      | 22                          | 20    | 17   | 11   | 22   | 20   | 17   | 12   | 22   | 20   | 17   | 12   | 22                                   | 21   | 17   | 12   | 22   | 20   | 17   | 11   | 21   | 19   | 16   | 11   |      |   |
| 1582 | kW      | 2.32                        | 2.38  | 2.48 | 2.58 | 2.55 | 2.62 | 2.72 | 2.83 | 2.75 | 2.82 | 2.93 | 3.05 | 2.92                                 | 3.00 | 3.12 | 3.25 | 3.07 | 3.16 | 3.28 | 3.41 | 3.20 | 3.29 | 3.42 | 3.56 |      |   |
|      | Amps    | 12.8                        | 13.1  | 13.5 | 13.9 | 13.8 | 14.1 | 14.5 | 14.9 | 14.8 | 15.1 | 15.6 | 16.1 | 15.7                                 | 16.1 | 16.6 | 17.1 | 16.6 | 17.0 | 17.5 | 18.1 | 17.5 | 17.9 | 18.5 | 19.1 |      |   |
| 1386 | HI PR   | 226                         | 243   | 256  | 267  | 253  | 272  | 288  | 300  | 288  | 310  | 327  | 341  | 328                                  | 353  | 373  | 389  | 369  | 397  | 419  | 437  | 407  | 438  | 463  | 483  |      |   |
|      | LO PR   | 108                         | 114   | 125  | 133  | 114  | 121  | 132  | 141  | 118  | 126  | 137  | 146  | 124                                  | 132  | 144  | 153  | 130  | 138  | 151  | 161  | 134  | 143  | 156  | 166  |      |   |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects ACCA (ITVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power



EXPANDED COOLING DATA — GPC1448H41\*\* (CONT.)

| IDB  | AIRFLOW | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|---------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |         | 65                          |      |      |      | 75   |      |      |      | 85   |      |      |      | 95   |      |      |      | 105  |      |      |      | 115  |      |      |      |      |
|      |         | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |      |
| 80   | 1777    | MBh                         | 47.7 | 48.8 | 52.1 | 55.7 | 46.6 | 47.6 | 50.9 | 54.4 | 45.5 | 46.5 | 49.7 | 53.1 | 44.4 | 45.4 | 48.5 | 51.8 | 42.2 | 43.1 | 46.1 | 49.2 | 39.1 | 39.9 | 42.7 | 45.6 |
|      |         | S/T                         | 0.94 | 0.88 | 0.71 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.93 | 0.76 | 0.57 | 1.00 | 0.96 | 0.78 | 0.59 | 1.00 | 1.00 | 0.81 | 0.61 | 1.00 | 1.00 | 0.82 | 0.61 |
|      | 1582    | ΔT                          | 23   | 22   | 19   | 15   | 23   | 22   | 19   | 16   | 24   | 22   | 20   | 16   | 23   | 23   | 20   | 16   | 22   | 22   | 19   | 15   | 20   | 21   | 18   | 14   |
|      |         | kW                          | 2.44 | 2.51 | 2.61 | 2.71 | 2.68 | 2.75 | 2.86 | 2.98 | 2.89 | 2.97 | 3.09 | 3.21 | 3.08 | 3.16 | 3.28 | 3.42 | 3.23 | 3.32 | 3.45 | 3.59 | 3.37 | 3.46 | 3.60 | 3.74 |
|      | 1386    | Amps                        | 13.4 | 13.7 | 14.1 | 14.5 | 14.3 | 14.6 | 15.1 | 15.6 | 15.4 | 15.8 | 16.3 | 16.8 | 16.4 | 16.8 | 17.3 | 17.9 | 17.4 | 17.7 | 18.3 | 18.9 | 18.3 | 18.7 | 19.3 | 20.0 |
|      |         | HI PR                       | 237  | 255  | 270  | 281  | 266  | 286  | 302  | 315  | 303  | 326  | 344  | 359  | 345  | 371  | 392  | 409  | 388  | 417  | 441  | 460  | 429  | 461  | 487  | 508  |
|      | 1777    | LO PR                       | 113  | 120  | 131  | 140  | 119  | 127  | 139  | 148  | 124  | 132  | 144  | 154  | 130  | 139  | 152  | 161  | 137  | 145  | 159  | 169  | 141  | 150  | 164  | 175  |
|      |         | MBh                         | 46.4 | 47.4 | 50.6 | 54.1 | 45.3 | 46.3 | 49.4 | 52.8 | 44.2 | 45.2 | 48.2 | 51.6 | 43.1 | 44.1 | 47.1 | 50.3 | 41.0 | 41.9 | 44.7 | 47.8 | 37.9 | 38.8 | 41.4 | 44.3 |
|      | 1582    | S/T                         | 0.89 | 0.84 | 0.68 | 0.51 | 0.92 | 0.87 | 0.71 | 0.53 | 0.95 | 0.89 | 0.72 | 0.54 | 0.98 | 0.92 | 0.75 | 0.56 | 1.00 | 0.95 | 0.78 | 0.58 | 1.00 | 0.96 | 0.78 | 0.58 |
|      |         | ΔT                          | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 24   | 23   | 20   | 16   | 25   | 24   | 20   | 16   | 24   | 23   | 20   | 16   | 22   | 22   | 19   | 15   |
| 1386 | kW      | 2.42                        | 2.48 | 2.58 | 2.68 | 2.65 | 2.72 | 2.83 | 2.95 | 2.86 | 2.94 | 3.05 | 3.18 | 3.05 | 3.13 | 3.25 | 3.38 | 3.20 | 3.29 | 3.42 | 3.56 | 3.34 | 3.43 | 3.56 | 3.70 |      |
|      | Amps    | 13.3                        | 13.5 | 13.9 | 14.4 | 14.2 | 14.5 | 15.0 | 15.5 | 15.3 | 15.6 | 16.1 | 16.7 | 16.3 | 16.6 | 17.1 | 17.7 | 17.2 | 17.6 | 18.1 | 18.8 | 18.1 | 18.6 | 19.1 | 19.8 |      |
| 1777 | HI PR   | 235                         | 253  | 267  | 278  | 264  | 284  | 299  | 312  | 300  | 323  | 341  | 355  | 341  | 367  | 388  | 405  | 384  | 413  | 436  | 455  | 424  | 457  | 482  | 503  |      |
|      | LO PR   | 112                         | 119  | 130  | 139  | 118  | 126  | 137  | 146  | 123  | 131  | 143  | 152  | 129  | 137  | 150  | 160  | 135  | 144  | 157  | 167  | 140  | 149  | 163  | 173  |      |
| 1582 | MBh     | 42.8                        | 43.7 | 46.7 | 49.9 | 41.8 | 42.7 | 45.6 | 48.8 | 40.8 | 41.7 | 44.5 | 47.6 | 39.8 | 40.7 | 43.4 | 46.4 | 37.8 | 38.6 | 41.3 | 44.1 | 35.0 | 35.8 | 38.2 | 40.9 |      |
|      | S/T     | 0.86                        | 0.81 | 0.66 | 0.49 | 0.89 | 0.84 | 0.68 | 0.51 | 0.91 | 0.86 | 0.70 | 0.52 | 0.94 | 0.89 | 0.72 | 0.54 | 0.98 | 0.92 | 0.75 | 0.56 | 0.99 | 0.93 | 0.75 | 0.56 |      |
| 1386 | ΔT      | 24                          | 23   | 20   | 16   | 25   | 24   | 21   | 16   | 25   | 24   | 21   | 16   | 25   | 24   | 21   | 17   | 25   | 24   | 20   | 16   | 23   | 22   | 19   | 15   |      |
|      | kW      | 2.34                        | 2.41 | 2.50 | 2.60 | 2.57 | 2.64 | 2.75 | 2.86 | 2.78 | 2.85 | 2.96 | 3.08 | 2.95 | 3.03 | 3.15 | 3.28 | 3.10 | 3.19 | 3.31 | 3.45 | 3.24 | 3.32 | 3.45 | 3.59 |      |
| 1777 | Amps    | 12.9                        | 13.2 | 13.6 | 14.1 | 13.9 | 14.2 | 14.6 | 15.1 | 14.9 | 15.3 | 15.7 | 16.3 | 15.9 | 16.2 | 16.7 | 17.3 | 16.8 | 17.2 | 17.7 | 18.3 | 17.7 | 18.1 | 18.6 | 19.3 |      |
|      | HI PR   | 228                         | 245  | 259  | 270  | 256  | 275  | 290  | 303  | 291  | 313  | 330  | 345  | 331  | 356  | 376  | 392  | 373  | 401  | 423  | 441  | 412  | 443  | 468  | 488  |      |
| 1582 | LO PR   | 109                         | 116  | 126  | 134  | 115  | 122  | 133  | 142  | 119  | 127  | 139  | 148  | 125  | 133  | 146  | 155  | 131  | 140  | 152  | 162  | 136  | 144  | 158  | 168  |      |
|      | MBh     | 48.6                        | 49.5 | 51.9 | 55.3 | 47.4 | 48.4 | 50.7 | 54.0 | 46.3 | 47.2 | 49.4 | 52.8 | 45.2 | 46.1 | 48.2 | 51.5 | 42.9 | 43.8 | 45.8 | 48.9 | 39.8 | 40.5 | 42.5 | 45.3 |      |
| 1777 | S/T     | 0.98                        | 0.95 | 0.85 | 0.69 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.94 | 0.76 | 1.00 | 1.00 | 0.97 | 0.79 | 1.00 | 1.00 | 0.98 | 0.80 |      |
|      | ΔT      | 25                          | 24   | 23   | 20   | 25   | 25   | 23   | 20   | 24   | 24   | 24   | 20   | 23   | 24   | 23   | 20   | 22   | 23   | 23   | 20   | 21   | 21   | 22   | 19   |      |
| 1582 | kW      | 2.47                        | 2.53 | 2.63 | 2.74 | 2.71 | 2.78 | 2.89 | 3.01 | 2.92 | 3.00 | 3.12 | 3.24 | 3.11 | 3.19 | 3.32 | 3.45 | 3.27 | 3.35 | 3.49 | 3.63 | 3.40 | 3.49 | 3.63 | 3.78 |      |
|      | Amps    | 13.5                        | 13.8 | 14.2 | 14.6 | 14.4 | 14.8 | 15.2 | 15.7 | 15.6 | 15.9 | 16.4 | 17.0 | 16.5 | 16.9 | 17.4 | 18.0 | 17.5 | 17.9 | 18.5 | 19.1 | 18.5 | 18.9 | 19.5 | 20.2 |      |
| 1777 | HI PR   | 240                         | 258  | 272  | 284  | 269  | 289  | 305  | 319  | 306  | 329  | 347  | 362  | 348  | 375  | 396  | 413  | 392  | 422  | 445  | 464  | 433  | 466  | 492  | 513  |      |
|      | LO PR   | 114                         | 122  | 133  | 141  | 121  | 128  | 140  | 149  | 125  | 133  | 146  | 155  | 132  | 140  | 153  | 163  | 138  | 147  | 160  | 171  | 143  | 152  | 166  | 177  |      |
| 1582 | MBh     | 47.2                        | 48.1 | 50.3 | 53.7 | 46.1 | 47.0 | 49.2 | 52.5 | 45.0 | 45.8 | 48.0 | 51.2 | 43.9 | 44.7 | 46.8 | 50.0 | 41.7 | 42.5 | 44.5 | 47.5 | 38.6 | 39.4 | 41.2 | 44.0 |      |
|      | S/T     | 0.94                        | 0.90 | 0.81 | 0.66 | 0.97 | 0.94 | 0.84 | 0.68 | 0.99 | 0.96 | 0.87 | 0.70 | 1.00 | 0.99 | 0.89 | 0.72 | 1.00 | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.94 | 0.76 |      |
| 1777 | ΔT      | 26                          | 25   | 24   | 21   | 26   | 26   | 24   | 21   | 26   | 26   | 24   | 21   | 26   | 26   | 24   | 21   | 24   | 25   | 24   | 21   | 22   | 23   | 22   | 19   |      |
|      | kW      | 2.44                        | 2.51 | 2.61 | 2.71 | 2.68 | 2.75 | 2.86 | 2.98 | 2.89 | 2.97 | 3.09 | 3.21 | 3.08 | 3.16 | 3.28 | 3.42 | 3.23 | 3.32 | 3.45 | 3.59 | 3.37 | 3.46 | 3.60 | 3.74 |      |
| 1582 | Amps    | 13.4                        | 13.7 | 14.1 | 14.5 | 14.3 | 14.6 | 15.1 | 15.6 | 15.4 | 15.8 | 16.3 | 16.8 | 16.4 | 16.8 | 17.3 | 17.9 | 17.4 | 17.7 | 18.3 | 18.9 | 18.3 | 18.7 | 19.3 | 20.0 |      |
|      | HI PR   | 237                         | 255  | 270  | 281  | 266  | 286  | 302  | 315  | 303  | 326  | 344  | 359  | 345  | 371  | 392  | 409  | 388  | 417  | 441  | 460  | 429  | 461  | 487  | 508  |      |
| 1386 | LO PR   | 113                         | 120  | 131  | 140  | 119  | 127  | 139  | 148  | 124  | 132  | 144  | 154  | 130  | 139  | 152  | 161  | 137  | 145  | 159  | 169  | 141  | 150  | 164  | 175  |      |
|      | MBh     | 43.5                        | 44.4 | 46.5 | 49.6 | 42.5 | 43.3 | 45.4 | 48.4 | 41.5 | 42.3 | 44.3 | 47.3 | 40.5 | 41.3 | 43.2 | 46.1 | 38.5 | 39.2 | 41.1 | 43.8 | 35.6 | 36.3 | 38.0 | 40.6 |      |
| 1777 | S/T     | 0.90                        | 0.87 | 0.79 | 0.64 | 0.93 | 0.90 | 0.81 | 0.66 | 0.96 | 0.92 | 0.83 | 0.68 | 0.99 | 0.95 | 0.86 | 0.70 | 1.00 | 0.99 | 0.89 | 0.73 | 1.00 | 1.00 | 0.90 | 0.73 |      |
|      | ΔT      | 26                          | 26   | 24   | 21   | 26   | 26   | 25   | 21   | 26   | 26   | 25   | 21   | 27   | 26   | 25   | 21   | 26   | 26   | 24   | 21   | 24   | 24   | 23   | 20   |      |
| 1582 | kW      | 2.37                        | 2.43 | 2.53 | 2.63 | 2.60 | 2.67 | 2.77 | 2.89 | 2.80 | 2.88 | 2.99 | 3.11 | 2.98 | 3.06 | 3.18 | 3.31 | 3.14 | 3.22 | 3.35 | 3.48 | 3.27 | 3.36 | 3.49 | 3.63 |      |
|      | Amps    | 13.1                        | 13.3 | 13.7 | 14.2 | 14.0 | 14.3 | 14.7 | 15.2 | 15.1 | 15.4 | 15.8 | 16.4 | 16.0 | 16.3 | 16.8 | 17.4 | 16.9 | 17.3 | 17.8 | 18.4 | 17.8 | 18.2 | 18.8 | 19.5 |      |
| 1777 | HI PR   | 230                         | 248  | 261  | 273  | 258  | 278  | 293  | 306  | 294  | 316  | 334  | 348  | 334  | 360  | 380  | 396  | 376  | 405  | 428  | 446  | 416  | 447  | 472  | 493  |      |
|      | LO PR   | 110                         | 117  | 127  | 136  | 116  | 123  | 135  | 143  | 120  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133  | 141  | 154  | 164  | 137  | 146  | 159  | 170  |      |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects AHRI (TVSA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power

EXPANDED COOLING DATA — GPC1460H41\*\*

| IDB  |       | OUTDOOR AMBIENT TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |
|------|-------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
|      |       | 65                          |      |      |      | 75   |      |      |      | 85   |      |      |      | 95                                   |      |      |      | 105  |      |      |      | 115  |      |      |      |
|      |       | 59                          | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59                                   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |
| 1900 | MBh   | 56.3                        | 58.4 | 64.0 | -    | 55.0 | 57.0 | 62.5 | -    | 53.7 | 55.7 | 61.0 | -    | 52.4                                 | 54.3 | 59.5 | -    | 49.8 | 51.6 | 56.5 | -    | 46.1 | 47.8 | 52.4 | -    |
|      | S/T   | 0.71                        | 0.60 | 0.41 | -    | 0.74 | 0.62 | 0.43 | -    | 0.76 | 0.63 | 0.44 | -    | 0.78                                 | 0.65 | 0.45 | -    | 0.81 | 0.68 | 0.47 | -    | 0.82 | 0.69 | 0.47 | -    |
|      | Δ T   | 21                          | 18   | 14   | -    | 21   | 18   | 14   | -    | 21   | 18   | 14   | -    | 21                                   | 18   | 14   | -    | 21   | 18   | 14   | -    | 19   | 17   | 13   | -    |
|      | kW    | 3.70                        | 3.78 | 3.91 | -    | 4.00 | 4.09 | 4.23 | -    | 4.26 | 4.36 | 4.51 | -    | 4.49                                 | 4.60 | 4.75 | -    | 4.69 | 4.80 | 4.96 | -    | 4.86 | 4.97 | 5.14 | -    |
|      | Amps  | 15.7                        | 16.0 | 16.5 | -    | 16.9 | 17.2 | 17.8 | -    | 18.2 | 18.6 | 19.2 | -    | 19.4                                 | 19.9 | 20.5 | -    | 20.6 | 21.1 | 21.7 | -    | 21.7 | 22.3 | 23.0 | -    |
| 70   | HI PR | 238                         | 256  | 271  | -    | 267  | 288  | 304  | -    | 304  | 327  | 345  | -    | 346                                  | 373  | 393  | -    | 390  | 419  | 443  | -    | 430  | 463  | 489  | -    |
|      | LO PR | 108                         | 115  | 125  | -    | 114  | 121  | 132  | -    | 118  | 126  | 137  | -    | 124                                  | 132  | 144  | -    | 130  | 139  | 151  | -    | 135  | 143  | 156  | -    |
|      | MBh   | 54.7                        | 56.7 | 62.1 | -    | 53.4 | 55.4 | 60.7 | -    | 52.2 | 54.1 | 59.2 | -    | 50.9                                 | 52.7 | 57.8 | -    | 48.3 | 50.1 | 54.9 | -    | 44.8 | 46.4 | 50.9 | -    |
|      | S/T   | 0.68                        | 0.57 | 0.39 | -    | 0.71 | 0.59 | 0.41 | -    | 0.72 | 0.60 | 0.42 | -    | 0.75                                 | 0.62 | 0.43 | -    | 0.78 | 0.65 | 0.45 | -    | 0.78 | 0.65 | 0.45 | -    |
|      | Δ T   | 21                          | 19   | 14   | -    | 22   | 19   | 14   | -    | 22   | 19   | 14   | -    | 22                                   | 19   | 14   | -    | 22   | 19   | 14   | -    | 20   | 17   | 13   | -    |
| 1500 | kW    | 3.67                        | 3.75 | 3.88 | -    | 3.97 | 4.06 | 4.19 | -    | 4.23 | 4.32 | 4.47 | -    | 4.46                                 | 4.56 | 4.71 | -    | 4.65 | 4.76 | 4.92 | -    | 4.82 | 4.93 | 5.10 | -    |
|      | Amps  | 15.6                        | 15.9 | 16.4 | -    | 16.7 | 17.1 | 17.6 | -    | 18.1 | 18.5 | 19.1 | -    | 19.2                                 | 19.7 | 20.3 | -    | 20.4 | 20.9 | 21.5 | -    | 21.6 | 22.1 | 22.8 | -    |
|      | HI PR | 236                         | 254  | 268  | -    | 265  | 285  | 301  | -    | 301  | 324  | 342  | -    | 343                                  | 369  | 390  | -    | 386  | 415  | 438  | -    | 426  | 459  | 484  | -    |
|      | LO PR | 107                         | 114  | 124  | -    | 113  | 120  | 131  | -    | 117  | 125  | 136  | -    | 123                                  | 131  | 143  | -    | 129  | 137  | 150  | -    | 133  | 142  | 155  | -    |
|      | MBh   | 50.5                        | 52.3 | 57.3 | -    | 49.3 | 51.1 | 56.0 | -    | 48.1 | 49.9 | 54.7 | -    | 47.0                                 | 48.7 | 53.3 | -    | 44.6 | 46.2 | 50.7 | -    | 41.3 | 42.8 | 46.9 | -    |
| 75   | S/T   | 0.66                        | 0.55 | 0.38 | -    | 0.68 | 0.57 | 0.39 | -    | 0.70 | 0.58 | 0.40 | -    | 0.72                                 | 0.60 | 0.42 | -    | 0.75 | 0.62 | 0.43 | -    | 0.75 | 0.63 | 0.44 | -    |
|      | Δ T   | 22                          | 19   | 14   | -    | 22   | 19   | 14   | -    | 22   | 19   | 15   | -    | 22                                   | 19   | 15   | -    | 22   | 19   | 14   | -    | 20   | 18   | 13   | -    |
|      | kW    | 3.58                        | 3.66 | 3.78 | -    | 3.87 | 3.95 | 4.08 | -    | 4.12 | 4.21 | 4.35 | -    | 4.34                                 | 4.44 | 4.59 | -    | 4.53 | 4.63 | 4.79 | -    | 4.69 | 4.80 | 4.97 | -    |
|      | Amps  | 15.2                        | 15.5 | 16.0 | -    | 16.3 | 16.7 | 17.2 | -    | 17.6 | 18.0 | 18.6 | -    | 18.7                                 | 19.2 | 19.8 | -    | 19.9 | 20.3 | 21.0 | -    | 21.0 | 21.5 | 22.2 | -    |
|      | HI PR | 229                         | 246  | 260  | -    | 257  | 276  | 292  | -    | 292  | 314  | 332  | -    | 333                                  | 358  | 378  | -    | 374  | 403  | 425  | -    | 413  | 445  | 470  | -    |
| 1900 | LO PR | 103                         | 110  | 120  | -    | 109  | 116  | 127  | -    | 114  | 121  | 132  | -    | 119                                  | 127  | 139  | -    | 125  | 133  | 145  | -    | 129  | 138  | 150  | -    |
|      | MBh   | 57.3                        | 59.0 | 63.9 | 68.5 | 56.0 | 57.6 | 62.4 | 66.9 | 54.6 | 56.3 | 60.9 | 65.3 | 53.3                                 | 54.9 | 59.4 | 63.8 | 50.6 | 52.1 | 56.4 | 60.6 | 46.9 | 48.3 | 52.3 | 56.1 |
|      | S/T   | 0.81                        | 0.73 | 0.55 | 0.35 | 0.84 | 0.75 | 0.57 | 0.37 | 0.86 | 0.77 | 0.58 | 0.38 | 0.89                                 | 0.80 | 0.60 | 0.39 | 0.92 | 0.83 | 0.63 | 0.40 | 0.93 | 0.83 | 0.63 | 0.41 |
|      | Δ T   | 24                          | 22   | 18   | 12   | 24   | 22   | 18   | 13   | 24   | 22   | 18   | 13   | 24                                   | 22   | 18   | 13   | 24   | 22   | 18   | 12   | 22   | 21   | 17   | 12   |
|      | kW    | 3.73                        | 3.82 | 3.94 | 4.07 | 4.03 | 4.12 | 4.26 | 4.41 | 4.30 | 4.40 | 4.55 | 4.70 | 4.53                                 | 4.64 | 4.79 | 4.96 | 4.73 | 4.84 | 5.01 | 5.18 | 4.90 | 5.02 | 5.19 | 5.37 |
| 70   | Amps  | 15.8                        | 16.2 | 16.7 | 17.2 | 17.0 | 17.4 | 17.9 | 18.6 | 18.4 | 18.8 | 19.4 | 20.1 | 19.6                                 | 20.0 | 20.7 | 21.4 | 20.8 | 21.3 | 21.9 | 22.7 | 21.9 | 22.5 | 23.2 | 24.0 |
|      | HI PR | 241                         | 259  | 273  | 285  | 270  | 291  | 307  | 320  | 307  | 330  | 349  | 364  | 350                                  | 376  | 397  | 415  | 393  | 423  | 447  | 466  | 435  | 468  | 494  | 515  |
|      | LO PR | 109                         | 116  | 126  | 135  | 115  | 122  | 134  | 142  | 120  | 127  | 139  | 148  | 126                                  | 134  | 146  | 155  | 132  | 140  | 153  | 163  | 136  | 145  | 158  | 168  |
|      | MBh   | 55.6                        | 57.3 | 62.0 | 66.5 | 54.3 | 55.9 | 60.6 | 65.0 | 53.0 | 54.6 | 59.1 | 63.4 | 51.8                                 | 53.3 | 57.7 | 61.9 | 49.2 | 50.6 | 54.8 | 58.8 | 45.5 | 46.9 | 50.8 | 54.5 |
|      | S/T   | 0.77                        | 0.69 | 0.52 | 0.34 | 0.80 | 0.72 | 0.54 | 0.35 | 0.82 | 0.74 | 0.56 | 0.36 | 0.85                                 | 0.76 | 0.58 | 0.37 | 0.88 | 0.79 | 0.60 | 0.38 | 0.89 | 0.80 | 0.60 | 0.39 |
| 1500 | Δ T   | 25                          | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 25                                   | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 23   | 21   | 18   | 12   |
|      | kW    | 3.70                        | 3.79 | 3.91 | 4.04 | 4.00 | 4.09 | 4.23 | 4.37 | 4.26 | 4.36 | 4.51 | 4.66 | 4.49                                 | 4.60 | 4.75 | 4.92 | 4.69 | 4.80 | 4.96 | 5.14 | 4.86 | 4.97 | 5.14 | 5.32 |
|      | Amps  | 15.7                        | 16.0 | 16.5 | 17.1 | 16.9 | 17.3 | 17.8 | 18.4 | 18.2 | 18.6 | 19.2 | 19.9 | 19.4                                 | 19.9 | 20.5 | 21.2 | 20.6 | 21.1 | 21.7 | 22.5 | 21.7 | 22.3 | 23.0 | 23.8 |
|      | HI PR | 238                         | 256  | 271  | 282  | 267  | 288  | 304  | 317  | 304  | 327  | 346  | 360  | 346                                  | 373  | 394  | 410  | 390  | 419  | 443  | 462  | 430  | 463  | 489  | 510  |
|      | LO PR | 108                         | 115  | 125  | 133  | 114  | 121  | 132  | 141  | 118  | 126  | 137  | 146  | 124                                  | 132  | 144  | 154  | 130  | 139  | 151  | 161  | 135  | 143  | 157  | 167  |
| 75   | MBh   | 51.3                        | 52.9 | 57.2 | 61.4 | 50.2 | 51.6 | 55.9 | 60.0 | 49.0 | 50.4 | 54.6 | 58.6 | 47.8                                 | 49.2 | 53.2 | 57.1 | 45.4 | 46.7 | 50.6 | 54.3 | 42.0 | 43.3 | 46.8 | 50.3 |
|      | S/T   | 0.75                        | 0.67 | 0.51 | 0.33 | 0.77 | 0.69 | 0.52 | 0.34 | 0.79 | 0.71 | 0.54 | 0.35 | 0.82                                 | 0.73 | 0.55 | 0.36 | 0.85 | 0.76 | 0.58 | 0.37 | 0.86 | 0.77 | 0.58 | 0.37 |
|      | Δ T   | 25                          | 23   | 19   | 13   | 25   | 23   | 19   | 13   | 26   | 24   | 19   | 13   | 26                                   | 24   | 19   | 13   | 25   | 23   | 19   | 13   | 24   | 22   | 18   | 12   |
|      | kW    | 3.61                        | 3.69 | 3.81 | 3.94 | 3.90 | 3.99 | 4.12 | 4.26 | 4.15 | 4.25 | 4.39 | 4.54 | 4.38                                 | 4.48 | 4.63 | 4.79 | 4.57 | 4.67 | 4.83 | 5.00 | 4.73 | 4.84 | 5.01 | 5.18 |
|      | Amps  | 15.3                        | 15.6 | 16.1 | 16.7 | 16.4 | 16.8 | 17.3 | 17.9 | 17.8 | 18.2 | 18.7 | 19.4 | 18.9                                 | 19.3 | 19.9 | 20.7 | 20.0 | 20.5 | 21.2 | 21.9 | 21.2 | 21.7 | 22.4 | 23.2 |
| 70   | HI PR | 231                         | 249  | 263  | 274  | 259  | 279  | 295  | 307  | 295  | 317  | 335  | 350  | 336                                  | 361  | 382  | 398  | 378  | 407  | 429  | 448  | 418  | 449  | 474  | 495  |
|      | LO PR | 105                         | 111  | 121  | 129  | 110  | 118  | 128  | 137  | 115  | 122  | 133  | 142  | 121                                  | 128  | 140  | 149  | 126  | 134  | 147  | 156  | 131  | 139  | 152  | 162  |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects ACCA (TVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power



EXPANDED COOLING DATA — GPC1460H41\*\* (CONT.)

| IDB     |       | OUTDOOR AMBIENT TEMPERATURE          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|-------|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         |       | 65                                   |      |      |      | 75   |      |      |      | 85   |      |      |      | 95   |      |      |      | 105  |      |      |      | 115  |      |      |      |
|         |       | ENTERING INDOOR WET BULB TEMPERATURE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| AIRFLOW |       | 59                                   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   | 59   | 63   | 67   | 71   |
| 1900    | MBh   | 58.3                                 | 59.6 | 63.7 | 68.1 | 57.0 | 58.2 | 62.2 | 66.5 | 55.6 | 56.8 | 60.7 | 64.9 | 54.3 | 55.4 | 59.2 | 63.3 | 51.5 | 52.7 | 56.3 | 60.1 | 47.7 | 48.8 | 52.1 | 55.7 |
|         | S/T   | 0.89                                 | 0.84 | 0.68 | 0.51 | 0.92 | 0.87 | 0.70 | 0.53 | 0.95 | 0.89 | 0.72 | 0.54 | 1.00 | 0.92 | 0.75 | 0.56 | 1.00 | 0.95 | 0.77 | 0.58 | 1.00 | 0.96 | 0.78 | 0.58 |
|         | Δ T   | 27                                   | 25   | 22   | 18   | 27   | 26   | 22   | 18   | 27   | 26   | 22   | 18   | 28   | 26   | 23   | 18   | 26   | 26   | 22   | 18   | 24   | 24   | 21   | 17   |
|         | kW    | 3.77                                 | 3.85 | 3.98 | 4.11 | 4.07 | 4.16 | 4.30 | 4.45 | 4.34 | 4.43 | 4.58 | 4.74 | 4.57 | 4.68 | 4.84 | 5.00 | 4.77 | 4.88 | 5.05 | 5.23 | 4.95 | 5.06 | 5.24 | 5.42 |
|         | Amps  | 16.0                                 | 16.3 | 16.8 | 17.4 | 17.2 | 17.5 | 18.1 | 18.7 | 18.5 | 19.0 | 19.6 | 20.3 | 19.8 | 20.2 | 20.8 | 21.6 | 21.4 | 21.4 | 22.1 | 22.9 | 22.1 | 22.7 | 23.4 | 24.2 |
|         | HI PR | 243                                  | 262  | 276  | 288  | 273  | 294  | 310  | 323  | 310  | 334  | 352  | 368  | 353  | 380  | 401  | 419  | 397  | 428  | 452  | 471  | 439  | 473  | 499  | 520  |
| LO PR   | 110   | 117                                  | 128  | 136  | 116  | 124  | 135  | 144  | 121  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133  | 141  | 154  | 164  | 137  | 146  | 160  | 170  |      |
| 1700    | MBh   | 56.6                                 | 57.9 | 61.8 | 66.1 | 55.3 | 56.5 | 60.4 | 64.5 | 54.0 | 55.2 | 58.9 | 63.0 | 52.7 | 53.8 | 57.5 | 61.5 | 50.0 | 51.1 | 54.6 | 58.4 | 46.3 | 47.4 | 50.6 | 54.1 |
|         | S/T   | 0.85                                 | 0.80 | 0.65 | 0.48 | 0.88 | 0.83 | 0.67 | 0.50 | 0.90 | 0.85 | 0.69 | 0.52 | 0.93 | 0.87 | 0.71 | 0.53 | 0.97 | 0.91 | 0.74 | 0.55 | 0.98 | 0.91 | 0.74 | 0.56 |
|         | Δ T   | 28                                   | 26   | 23   | 18   | 28   | 27   | 23   | 19   | 28   | 27   | 23   | 19   | 28   | 27   | 24   | 19   | 28   | 27   | 23   | 19   | 26   | 25   | 22   | 17   |
|         | kW    | 3.73                                 | 3.82 | 3.94 | 4.08 | 4.03 | 4.13 | 4.26 | 4.41 | 4.30 | 4.40 | 4.55 | 4.70 | 4.53 | 4.64 | 4.80 | 4.96 | 4.73 | 4.84 | 5.01 | 5.18 | 4.90 | 5.02 | 5.19 | 5.37 |
|         | Amps  | 15.8                                 | 16.2 | 16.7 | 17.2 | 17.0 | 17.4 | 17.9 | 18.6 | 18.4 | 18.8 | 19.4 | 20.1 | 19.6 | 20.0 | 20.7 | 21.4 | 20.8 | 21.3 | 21.9 | 22.7 | 21.9 | 22.5 | 23.2 | 24.0 |
|         | HI PR | 241                                  | 259  | 273  | 285  | 270  | 291  | 307  | 320  | 307  | 331  | 349  | 364  | 350  | 376  | 398  | 415  | 394  | 423  | 447  | 466  | 435  | 468  | 494  | 515  |
| LO PR   | 109   | 116                                  | 126  | 135  | 115  | 122  | 134  | 142  | 120  | 127  | 139  | 148  | 126  | 134  | 146  | 155  | 132  | 140  | 153  | 163  | 136  | 145  | 158  | 168  |      |
| 1500    | MBh   | 52.3                                 | 53.4 | 57.1 | 61.0 | 51.0 | 52.2 | 55.7 | 59.6 | 49.8 | 50.9 | 54.4 | 58.2 | 48.6 | 49.7 | 53.1 | 56.7 | 46.2 | 47.2 | 50.4 | 53.9 | 42.8 | 43.7 | 46.7 | 49.9 |
|         | S/T   | 0.82                                 | 0.77 | 0.63 | 0.47 | 0.85 | 0.80 | 0.65 | 0.48 | 0.87 | 0.82 | 0.66 | 0.50 | 0.90 | 0.84 | 0.69 | 0.51 | 0.93 | 0.87 | 0.71 | 0.53 | 0.94 | 0.88 | 0.72 | 0.54 |
|         | Δ T   | 28                                   | 27   | 23   | 19   | 28   | 27   | 24   | 19   | 28   | 27   | 24   | 19   | 29   | 27   | 24   | 19   | 28   | 27   | 24   | 19   | 26   | 25   | 22   | 18   |
|         | kW    | 3.64                                 | 3.72 | 3.84 | 3.97 | 3.93 | 4.02 | 4.15 | 4.29 | 4.19 | 4.28 | 4.43 | 4.58 | 4.42 | 4.52 | 4.67 | 4.83 | 4.61 | 4.71 | 4.88 | 5.05 | 4.78 | 4.89 | 5.05 | 5.23 |
|         | Amps  | 15.4                                 | 15.8 | 16.2 | 16.8 | 16.6 | 17.0 | 17.5 | 18.1 | 17.9 | 18.3 | 18.9 | 19.6 | 19.1 | 19.5 | 20.1 | 20.8 | 20.2 | 20.7 | 21.3 | 22.1 | 21.4 | 21.9 | 22.6 | 23.4 |
|         | HI PR | 233                                  | 251  | 265  | 277  | 262  | 282  | 298  | 310  | 298  | 321  | 339  | 353  | 339  | 365  | 386  | 402  | 382  | 411  | 434  | 452  | 422  | 454  | 479  | 500  |
| LO PR   | 106   | 112                                  | 123  | 131  | 112  | 119  | 130  | 138  | 116  | 123  | 135  | 143  | 122  | 130  | 141  | 151  | 128  | 136  | 148  | 158  | 132  | 140  | 153  | 163  |      |

|       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1900  | MBh   | 59.3 | 60.5 | 63.3 | 67.6 | 58.0 | 59.1 | 61.9 | 66.0 | 56.6 | 57.7 | 60.4 | 64.4 | 55.2 | 56.3 | 58.9 | 62.9 | 52.4 | 53.5 | 56.0 | 59.7 | 48.6 | 49.5 | 51.9 | 55.3 |
|       | S/T   | 0.93 | 0.90 | 0.81 | 0.66 | 0.97 | 0.93 | 0.84 | 0.68 | 0.99 | 0.96 | 0.86 | 0.70 | 1.00 | 0.99 | 0.89 | 0.72 | 1.00 | 1.00 | 0.93 | 0.75 | 1.00 | 1.00 | 0.93 | 0.76 |
|       | Δ T   | 28   | 28   | 26   | 23   | 29   | 28   | 27   | 23   | 29   | 28   | 27   | 23   | 28   | 28   | 27   | 23   | 27   | 27   | 26   | 23   | 25   | 25   | 25   | 21   |
|       | kW    | 3.80 | 3.88 | 4.01 | 4.14 | 4.10 | 4.20 | 4.34 | 4.48 | 4.37 | 4.47 | 4.62 | 4.78 | 4.61 | 4.72 | 4.88 | 5.05 | 4.81 | 4.93 | 5.09 | 5.27 | 4.99 | 5.10 | 5.28 | 5.47 |
|       | Amps  | 16.1 | 16.5 | 17.0 | 17.5 | 17.3 | 17.7 | 18.2 | 18.9 | 18.7 | 19.1 | 19.7 | 20.4 | 19.9 | 20.4 | 21.0 | 21.8 | 21.1 | 21.6 | 22.3 | 23.1 | 22.3 | 22.9 | 23.6 | 24.5 |
|       | HI PR | 245  | 264  | 279  | 291  | 275  | 296  | 313  | 326  | 313  | 337  | 356  | 371  | 357  | 384  | 405  | 423  | 401  | 432  | 456  | 476  | 444  | 477  | 504  | 526  |
| LO PR | 111   | 118  | 129  | 137  | 117  | 125  | 136  | 145  | 122  | 130  | 142  | 151  | 128  | 136  | 149  | 158  | 134  | 143  | 156  | 166  | 139  | 148  | 161  | 172  |      |
| 1700  | MBh   | 57.6 | 58.7 | 61.5 | 65.6 | 56.3 | 57.4 | 60.1 | 64.1 | 54.9 | 56.0 | 58.6 | 62.6 | 53.6 | 54.6 | 57.2 | 61.0 | 50.9 | 51.9 | 54.4 | 58.0 | 47.2 | 48.1 | 50.3 | 53.7 |
|       | S/T   | 0.89 | 0.86 | 0.78 | 0.63 | 0.92 | 0.89 | 0.80 | 0.65 | 0.95 | 0.91 | 0.82 | 0.67 | 0.98 | 0.94 | 0.85 | 0.69 | 1.00 | 0.98 | 0.88 | 0.72 | 1.00 | 0.99 | 0.89 | 0.72 |
|       | Δ T   | 29   | 29   | 27   | 24   | 30   | 29   | 28   | 24   | 30   | 29   | 28   | 24   | 30   | 30   | 28   | 24   | 29   | 29   | 28   | 24   | 27   | 27   | 26   | 22   |
|       | kW    | 3.77 | 3.85 | 3.98 | 4.11 | 4.07 | 4.16 | 4.30 | 4.45 | 4.34 | 4.43 | 4.58 | 4.74 | 4.57 | 4.68 | 4.84 | 5.00 | 4.77 | 4.88 | 5.05 | 5.23 | 4.95 | 5.06 | 5.24 | 5.42 |
|       | Amps  | 16.0 | 16.3 | 16.8 | 17.4 | 17.2 | 17.5 | 18.1 | 18.7 | 18.5 | 19.0 | 19.6 | 20.3 | 19.8 | 20.2 | 20.8 | 21.6 | 21.0 | 21.4 | 22.1 | 22.9 | 22.1 | 22.7 | 23.4 | 24.2 |
|       | HI PR | 243  | 262  | 276  | 288  | 273  | 294  | 310  | 323  | 310  | 334  | 352  | 368  | 353  | 380  | 401  | 419  | 397  | 428  | 452  | 471  | 439  | 473  | 499  | 520  |
| LO PR | 110   | 117  | 128  | 136  | 116  | 124  | 135  | 144  | 121  | 128  | 140  | 149  | 127  | 135  | 147  | 157  | 133  | 141  | 154  | 164  | 137  | 146  | 160  | 170  |      |
| 1500  | MBh   | 53.2 | 54.2 | 56.8 | 60.6 | 51.9 | 52.9 | 55.4 | 59.2 | 50.7 | 51.7 | 54.1 | 57.7 | 49.5 | 50.4 | 52.8 | 56.3 | 47.0 | 47.9 | 50.2 | 53.5 | 43.5 | 44.4 | 46.5 | 49.6 |
|       | S/T   | 0.86 | 0.83 | 0.75 | 0.61 | 0.89 | 0.86 | 0.78 | 0.63 | 0.91 | 0.88 | 0.79 | 0.64 | 0.94 | 0.91 | 0.82 | 0.67 | 0.98 | 0.94 | 0.85 | 0.69 | 0.99 | 0.95 | 0.86 | 0.70 |
|       | Δ T   | 30   | 30   | 28   | 24   | 30   | 30   | 28   | 24   | 30   | 30   | 28   | 24   | 31   | 30   | 28   | 25   | 30   | 30   | 28   | 24   | 28   | 28   | 26   | 23   |
|       | kW    | 3.67 | 3.75 | 3.88 | 4.01 | 3.97 | 4.05 | 4.19 | 4.33 | 4.23 | 4.32 | 4.47 | 4.62 | 4.45 | 4.56 | 4.71 | 4.87 | 4.65 | 4.76 | 4.92 | 5.09 | 4.82 | 4.93 | 5.10 | 5.28 |
|       | Amps  | 15.6 | 15.9 | 16.4 | 17.0 | 16.7 | 17.1 | 17.6 | 18.2 | 18.1 | 18.5 | 19.1 | 19.7 | 19.2 | 19.7 | 20.3 | 21.0 | 20.4 | 20.9 | 21.5 | 22.3 | 21.5 | 22.1 | 22.8 | 23.6 |
|       | HI PR | 236  | 254  | 268  | 279  | 265  | 285  | 301  | 314  | 301  | 324  | 342  | 357  | 343  | 369  | 389  | 406  | 386  | 415  | 438  | 457  | 426  | 458  | 484  | 505  |
| LO PR | 107   | 113  | 124  | 132  | 113  | 120  | 131  | 139  | 117  | 125  | 136  | 145  | 123  | 131  | 143  | 152  | 129  | 137  | 150  | 159  | 133  | 142  | 155  | 165  |      |

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction access fittings.  
 Shaded area reflects AHRI (TVA) conditions.  
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)  
 kW = total system power

**AIRFLOW DATA**

| MODEL                | SPEED* | VOLTS | TYPE         | E.S.P. (IN. OF H <sub>2</sub> O) |             |             |             |             |             |             |             |
|----------------------|--------|-------|--------------|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                      |        |       |              | 0.1                              | 0.2         | 0.3         | 0.4         | 0.5         | 0.6         | 0.7         | 0.8         |
| GPC14<br>24H41A*/ B* | T1     | 230   | CFM<br>Watts | 934<br>95                        | 759<br>77   | 755<br>76   | 638<br>73   | 581<br>83   | 489<br>90   | ---         | ---         |
|                      | T2,T3  | 230   | CFM<br>Watts | 990<br>107                       | 837<br>94   | 801<br>105  | 744<br>110  | 696<br>119  | 652<br>133  | 601<br>142  | ---         |
|                      | T4, T5 | 230   | CFM<br>Watts | 1061<br>126                      | 989<br>134  | 947<br>146  | 925<br>158  | 876<br>169  | ---         | ---         | ---         |
| GPC14<br>24H41C*     | T1     | 230   | CFM<br>Watts | 922<br>74                        | 873<br>85   | 823<br>96   | 774<br>107  | 724<br>118  | 675<br>129  | 626<br>140  | 576<br>151  |
|                      | T2,T3  | 230   | CFM<br>Watts | 922<br>74                        | 873<br>85   | 823<br>96   | 774<br>107  | 724<br>118  | 675<br>129  | 626<br>140  | 576<br>151  |
|                      | T4, T5 | 230   | CFM<br>Watts | 1069<br>102                      | 1020<br>113 | 971<br>124  | 921<br>135  | 872<br>146  | 822<br>157  | 773<br>168  | 724<br>179  |
| GPC14<br>30H41A*/ B* | T1     | 230   | CFM<br>Watts | 1022<br>116                      | 929<br>114  | 894<br>126  | 829<br>134  | 797<br>144  | 748<br>156  | 695<br>168  | 643<br>173  |
|                      | T2,T3  | 230   | CFM<br>Watts | 1103<br>142                      | 1063<br>154 | 1012<br>165 | 962<br>173  | 937<br>185  | ---         | ---         | ---         |
|                      | T4, T5 | 230   | CFM<br>Watts | 1285<br>205                      | 1240<br>218 | 1202<br>231 | 1163<br>244 | 1124<br>257 | 1076<br>268 | 1046<br>280 | 1003<br>288 |
| GPC14<br>30H41C*     | T1     | 230   | CFM<br>Watts | 1048<br>97                       | 993<br>109  | 939<br>122  | 884<br>134  | 829<br>147  | 775<br>159  | 720<br>172  | 666<br>184  |
|                      | T2,T3  | 230   | CFM<br>Watts | 1123<br>123                      | 1068<br>136 | 1014<br>148 | 959<br>161  | 905<br>173  | 850<br>186  | 796<br>198  | 741<br>211  |
|                      | T4, T5 | 230   | CFM<br>Watts | 1244<br>158                      | 1189<br>170 | 1135<br>183 | 1080<br>195 | 1026<br>208 | 971<br>220  | 917<br>233  | 862<br>245  |
| GPC14<br>36H41A*/ B* | T1     | 230   | CFM<br>Watts | 1234<br>144                      | 1111<br>140 | 1071<br>152 | 1024<br>164 | 933<br>179  | 922<br>183  | ---         | ---         |
|                      | T2,T3  | 230   | CFM<br>Watts | 1287<br>162                      | 1232<br>175 | 1186<br>187 | 1133<br>201 | 1099<br>213 | 1053<br>221 | ---         | ---         |
|                      | T4, T5 | 230   | CFM<br>Watts | 1381<br>195                      | 1325<br>203 | 1277<br>217 | 1233<br>233 | 1181<br>247 | 1144<br>258 | ---         | ---         |
| GPC14<br>36H41C*     | T1     | 230   | CFM<br>Watts | 1151<br>132                      | 1097<br>144 | 1042<br>156 | 988<br>169  | 933<br>181  | 879<br>194  | 824<br>206  | 770<br>219  |
|                      | T2,T3  | 230   | CFM<br>Watts | 1261<br>131                      | 1215<br>144 | 1169<br>157 | 1123<br>169 | 1076<br>182 | 1030<br>194 | 984<br>207  | 937<br>220  |
|                      | T4, T5 | 230   | CFM<br>Watts | 1376<br>170                      | 1330<br>182 | 1284<br>195 | 1237<br>207 | 1191<br>220 | 1145<br>233 | 1099<br>245 | 1052<br>258 |

\* Speed set at T2 at the factory.

**AIRFLOW DATA (CONT.)**

| MODEL                | SPEED*    | VOLTS | TYPE         | E.S.P. (IN. OF H <sub>2</sub> O) |             |             |             |             |             |             |             |
|----------------------|-----------|-------|--------------|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                      |           |       |              | 0.1                              | 0.2         | 0.3         | 0.4         | 0.5         | 0.6         | 0.7         | 0.8         |
| GPC14<br>42H41A*/ B* | T1        | 230   | CFM<br>Watts | 1272<br>160                      | 1197<br>168 | 1145<br>183 | 1106<br>191 | 1055<br>211 | 998<br>220  | 947<br>230  | 906<br>243  |
|                      | T2,T3     | 230   | CFM<br>Watts | 1357<br>188                      | 1297<br>202 | 1244<br>213 | 1194<br>228 | 1147<br>245 | 1099<br>255 | 1049<br>267 | 1008<br>284 |
|                      | T4, T5    | 230   | CFM<br>Watts | 1537<br>244                      | 1478<br>258 | 1431<br>274 | 1386<br>288 | 1336<br>303 | 1293<br>317 | 1253<br>329 | 1208<br>341 |
| GPC14<br>42H41C*     | T1        | 230   | CFM<br>Watts | 1165<br>118                      | 1122<br>130 | 1080<br>142 | 1037<br>154 | 995<br>166  | 953<br>178  | 910<br>190  | 868<br>202  |
|                      | T2,T3     | 230   | CFM<br>Watts | 1258<br>150                      | 1216<br>162 | 1173<br>175 | 1131<br>187 | 1088<br>199 | 1046<br>211 | 1004<br>223 | 961<br>235  |
|                      | T4, T5    | 230   | CFM<br>Watts | 1511<br>239                      | 1469<br>251 | 1427<br>263 | 1384<br>275 | 1342<br>287 | 1299<br>299 | 1257<br>311 | 1214<br>323 |
| GPC14<br>48H41A*/ B* | T1        | 230   | CFM<br>Watts | 1418<br>242                      | 1383<br>258 | 1349<br>273 | 1312<br>282 | 1275<br>299 | 1228<br>308 | 1178<br>320 | 1141<br>338 |
|                      | T2,T3     | 230   | CFM<br>Watts | 1175<br>395                      | 1635<br>420 | 1645<br>435 | 1515<br>445 | 1510<br>455 | 1450<br>465 | 1430<br>470 | 1400<br>475 |
|                      | T4, T5    | 230   | CFM<br>Watts | 1845<br>490                      | 1790<br>505 | 1715<br>520 | 1685<br>535 | 1590<br>550 | 1580<br>560 | 1530<br>570 | 1500<br>575 |
| GPC14<br>48H41C*     | T1        | 230   | CFM<br>Watts | 1421<br>170                      | 1367<br>182 | 1314<br>195 | 1260<br>208 | 1206<br>220 | 1152<br>233 | 1099<br>246 | 1045<br>258 |
|                      | T2,T3     | 230   | CFM<br>Watts | 1696<br>287                      | 1643<br>299 | 1589<br>312 | 1535<br>325 | 1481<br>337 | 1428<br>350 | 1374<br>363 | 1320<br>375 |
|                      | T4, T5    | 230   | CFM<br>Watts | 1859<br>356                      | 1805<br>368 | 1751<br>381 | 1698<br>394 | 1644<br>406 | 1590<br>419 | 1536<br>432 | 1483<br>444 |
| GPC14<br>60H41A*/ B* | T1, T2,T3 | 230   | CFM<br>Watts | 1850<br>360                      | 1765<br>375 | 1710<br>380 | 1625<br>390 | 1575<br>400 | 1535<br>410 | 1495<br>420 | 1435<br>430 |
|                      | T4, T5    | 230   | CFM<br>Watts | 2025<br>575                      | 1900<br>595 | 1840<br>620 | 1780<br>630 | 1725<br>645 | 1650<br>655 | 1620<br>660 | 1580<br>670 |
| GPC14<br>60H41C*     | T1        | 230   | CFM<br>Watts | 1507<br>168                      | 1459<br>175 | 1410<br>183 | 1362<br>191 | 1314<br>199 | 1266<br>207 | 1218<br>214 | 1169<br>222 |
|                      | T2,T3     | 230   | CFM<br>Watts | 1694<br>296                      | 1646<br>303 | 1598<br>311 | 1549<br>319 | 1501<br>327 | 1453<br>334 | 1405<br>342 | 1357<br>350 |
|                      | T4, T5    | 230   | CFM<br>Watts | 1965<br>481                      | 1917<br>489 | 1869<br>496 | 1821<br>504 | 1773<br>512 | 1724<br>520 | 1676<br>528 | 1628<br>535 |

\* Speed set at T2 at the factory.

## HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

| MODEL AND<br>HEAT KIT USAGE | CIRCUIT #1       |                  | CIRCUIT #2       |                  | SINGLE-POINT KIT |                  | ACTUAL kW /<br>BTU@ 240V |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------|
|                             | MCA <sup>1</sup> | MOP <sup>2</sup> | MCA <sup>1</sup> | MOP <sup>2</sup> | MCA <sup>1</sup> | MOP <sup>2</sup> |                          |
| <b>GPC1424H41**</b>         | 1.9              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 24 / 27          | 30 / 30          | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 33 / 38          | 40 / 40          | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 45 / 51          | 60 / 60          | 9.5 / 32,400             |
| <b>GPC1430H41**</b>         | 2.3              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 24 / 27          | 30 / 30          | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 34 / 39          | 40 / 40          | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 45 / 52          | 60 / 60          | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 67 / 77          | 70 / 80          | 14.25 / 48,600           |
| <b>GPC1436H41**</b>         | 2.3              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 24 / 27          | 40 / 40          | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 34 / 39          | 40 / 40          | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 45 / 52          | 60 / 60          | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 67 / 77          | 70 / 80          | 14.25 / 48,600           |
| <b>GPC1442H41**</b>         | 3.6              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 27               | 40 / 40          | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 34 / 39          | 40 / 40          | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 46 / 52          | 60 / 60          | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 68 / 78          | 70 / 80          | 14.25 / 48,600           |
| HKP-20C                     | 43 / 49          | 45 / 50          | 43 / 49          | 45 / 50          | 90 / 103         | 90 / 110         | 19.0 / 64,800            |
| <b>GPC1448H41**</b>         | 3.6              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 29               | 45               | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 34 / 40          | 45               | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 46 / 53          | 60 / 60          | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 68 / 78          | 70 / 80          | 14.25 / 48,600           |
| HKP-20C                     | 43 / 49          | 45 / 50          | 43 / 49          | 45 / 50          | 90 / 103         | 90 / 110         | 19.0 / 64,800            |
| <b>GPC1460H41**</b>         | 7.5              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 37.3             | 60               | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 37/40            | 60               | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 48 / 54          | 60 / 60          | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 70 / 80          | 80 / 90          | 14.25 / 48,600           |
| HKP-20C                     | 43 / 49          | 45 / 50          | 43 / 49          | 45 / 50          | 92 / 105         | 100 / 110        | 19.0 / 64,800            |

<sup>1</sup> Minimum Circuit Ampacity @ 208 / 240 V

<sup>2</sup> Maximum Overcurrent Protection Device @ 208 / 240 V

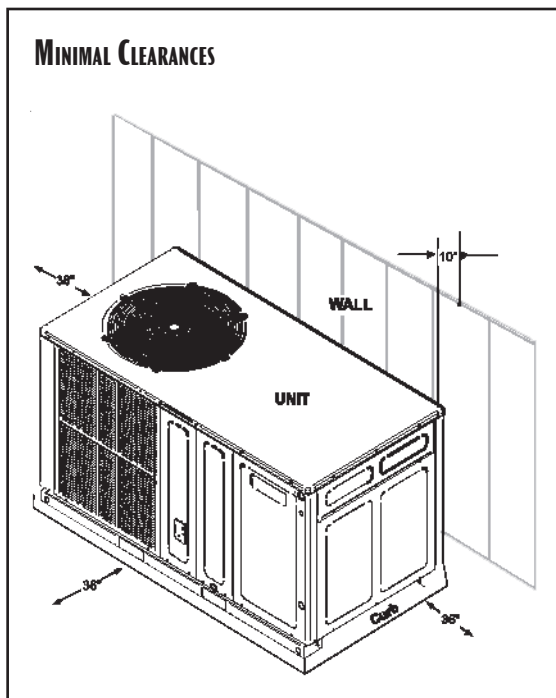
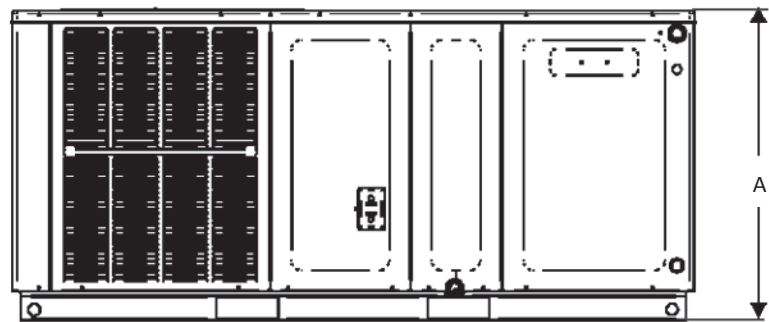
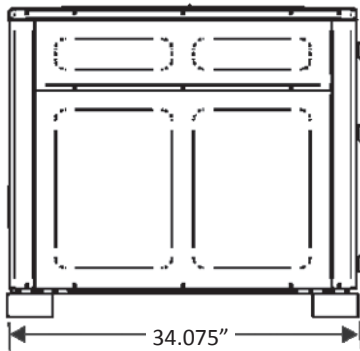
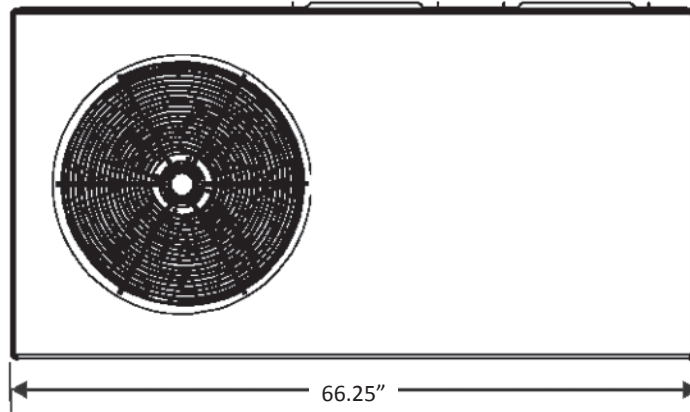
\* Revision level that may or may not be designated

C Circuit breaker option

^ Heat Kit requires three-phase power supply

NOTE: HKP-15C\* and HKP-20C\* replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.

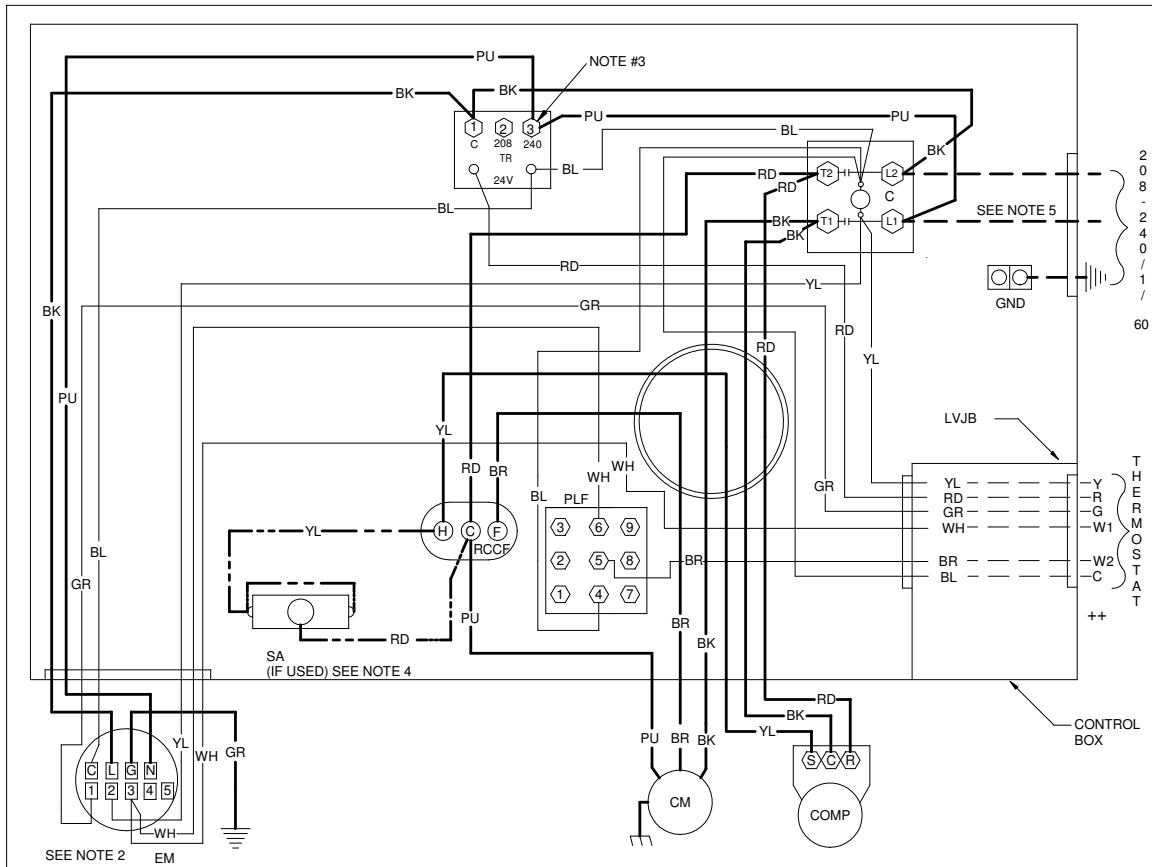
**DIMENSIONS**



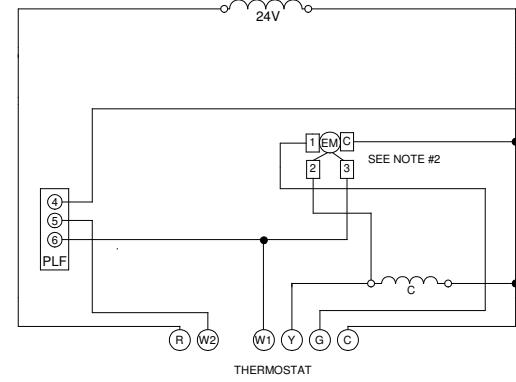
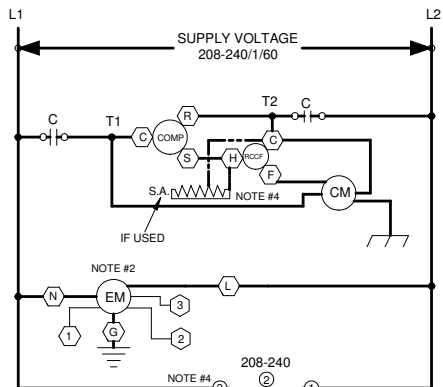
**"A" DIMENSIONS**

| MODEL              | CHASSIS SIZE | HEIGHT  |
|--------------------|--------------|---------|
| GPC1424<br>GPC1430 | SMALL        | 30"     |
| GPC1436<br>GPC1442 | MEDIUM       | 35"     |
| GPC1448<br>GPC1460 | LARGE        | 38 3/4" |

WIRING DIAGRAM



SEE NOTE 2 EM



COMPONENT LEGEND

- C CONTACTOR
- CM CONDENSER MOTOR
- COMP COMPRESSOR
- EM EVAPORATOR MOTOR
- GND EQUIPMENT GROUND
- LVJB LOW VOLTAGE JUNCTION BOX
- PLF FEMALE PLUG / CONNECTOR
- RCCF RUN CAPACITOR FOR COMPRESSOR AND FAN
- SA START ASSIST
- TR TRANSFORMER

FACTORY WIRING

- LINE VOLTAGE
- LOW VOLTAGE
- OPTIMAL HIGH VOLTAGE
- VOLTAGE

FIELD WIRING

- - HIGH VOLTAGE
- - LOW VOLTAGE

WIRE CODE

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

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
  2. TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE AND YELLOW LEADS FROM EM "2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
  3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
  4. START ASSIST FACTOR EQUIPPED WHEN REQUIRED
  5. USE COPPER CONDUCTORS ONLY.
- ++ USE N.E.C. CLASS 2 WIRE

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

208-240/1/60 0140G00407

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

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

## ACCESSORIES

| ACCESSORY DESCRIPTION                      | ITEM NUMBER   |                      |
|--|---------------|----------------------|
|  | SMALL CHASSIS | MEDIUM/LARGE CHASSIS |
| Downflow Economizer                        | PCE101-103    | PCE101-103           |
| Downflow Plenum Kit                        | PCP101-103    | PCP101-103           |
| Downflow Plenum Kit (R-8)                  | PCP101-103 R8 | PCP101-103 R8        |
| Elbow Flashing w/ R-8 Liner                | PCEF101-103   | PCEF101-103          |
| Emergency Heat Relay                       | OT/EHR18-60   | OT/EHR18-60          |
| External Horizontal Filter Rack            | GPGHFR101-103 | GPGHFR101-103        |
| Horizontal Economizer                      | PEHH101-103   | PEHH101-103          |
| Manual Damper                              | PCMD101-103   | PCMD101-103          |
| Manual Damper- Horizontal Application      | PCMDH101-103  | PCMDH101-103         |
| Motorized Damper                           | PCMDM101-103  | PCMDM101-103         |
| Outdoor Thermostat w/ Lockout Stat         | OT18-60A      | OT18-60A             |
| Roof Curb                                  | PCCP101-103   | PCCP101-103          |
| Square to Round                            | SQRPC101      | SQRPC102/103         |
| Square to Round for Horizontal Application | SQRPCH101     | SQRPCH102/103        |

### SINGLE-POINT KIT ACCESSORY KITS

Select the single-point kit accessory based on the unit model.

| MODEL        | SINGLE-POINT KIT |
|--------------|------------------|
| GPC1424H41C* | SPK-30           |
| GPC1430H41C* | SPK-30           |
| GPC1436H41C* | SPK-40           |
| GPC1442H41C* | SPK-40           |
| GPC1448H41C* | SPK-45           |
| GPC1460H41C* | SPK-60           |

**NOTES**