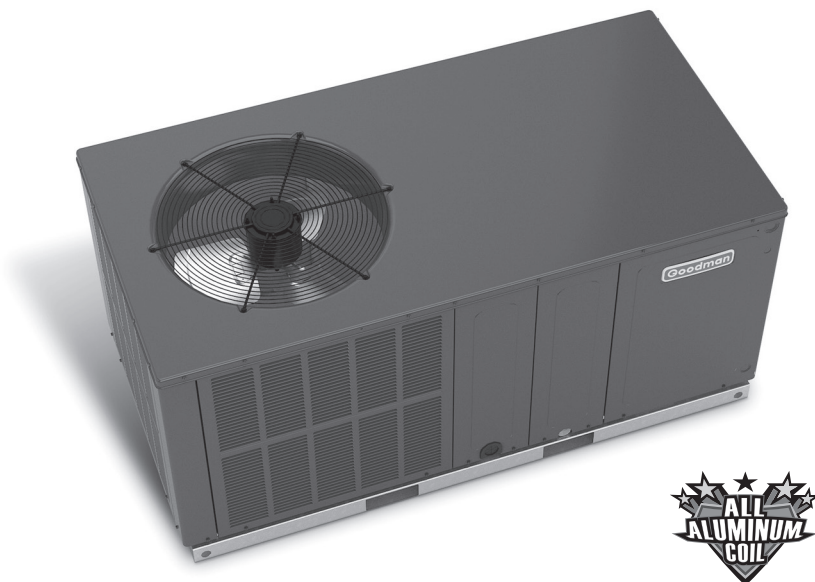


## PACKAGED HEAT PUMP 13.4 SEER2 2 TO 5 TONS



### Contents

|                               |    |
|-------------------------------|----|
| Nomenclature.....             | 2  |
| Product Specifications.....   | 3  |
| Expanded Cooling Data.....    | 4  |
| Expanded Heating Data.....    | 16 |
| Airflow Data.....             | 19 |
| Heat Kit Electrical Data..... | 20 |
| Dimensions.....               | 21 |
| Wiring Diagram.....           | 22 |
| Accessories.....              | 23 |

### Standard Features

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

### Cabinet Features

- Heavy-gauge galvanized-steel cabinet with architectural gray powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment with convenient access panels
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- Louvered condenser coil protection
- One footprint for all tonnages
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



\* 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. The duration of warranty coverages in Texas differs in some cases.

|                         |          |          |          |          |          |            |          |          |           |                         |                             |
|-------------------------|----------|----------|----------|----------|----------|------------|----------|----------|-----------|-------------------------|-----------------------------|
|                         | <b>G</b> | <b>P</b> | <b>H</b> | <b>H</b> | <b>3</b> | <b>24</b>  | <b>4</b> | <b>1</b> | <b>A</b>  | <b>A</b>                |                             |
|                         | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6,7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>11</b>               |                             |
| <b>Brand</b>            |          |          |          |          |          |            |          |          |           | <b>Minor Revision</b>   | A                           |
| G Goodman® Brand        |          |          |          |          |          |            |          |          |           | <b>Major Revision</b>   | A                           |
| <b>Product Category</b> |          |          |          |          |          |            |          |          |           | <b>Electrical</b>       | 1 208/230 V, 1 Phase, 60 Hz |
| P Packaged Unit         |          |          |          |          |          |            |          |          |           | <b>Refrigerant</b>      | 4 R-410A                    |
| <b>Unit Type</b>        |          |          |          |          |          |            |          |          |           | <b>Nominal Capacity</b> |                             |
| C Air Conditioner       |          |          |          |          |          |            |          |          |           | 24 2 Tons               | 42 3½ Tons                  |
| H Heat Pump             |          |          |          |          |          |            |          |          |           | 30 2½ tons              | 48 4 Tons                   |
| <b>Air Flow</b>         |          |          |          |          |          |            |          |          |           | 36 3 Tons               | 60 5 Tons                   |
| M Multi-Position        |          |          |          |          |          |            |          |          |           |                         |                             |
|                         |          |          |          |          |          |            |          |          |           | <b>Efficiency</b>       |                             |
|                         |          |          |          |          |          |            |          |          |           | 3 13.4 SEER2            |                             |
|                         |          |          |          |          |          |            |          |          |           | 5 15.2 SEER2            |                             |

|                               | GPHH32441** | GPHH33041** | GPHH33641** | GPHH34241** | GPHH34841** | GPHH36041** |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>COOLING CAPACITY</b>       |             |             |             |             |             |             |
| Total BTU/h                   | 23,400      | 27,800      | 35,200      | 39,000      | 46,000      | 57,000      |
| Sensible BTU/h                | 18,088      | 21,934      | 27,632      | 30,615      | 36,616      | 41,838      |
| SEER2/EER2                    | 13.4 / 10.6 | 13.4 / 10.6 | 13.4 / 10.6 | 13.4 / 10.6 | 13.4 / 10.6 | 13.4 / 10.6 |
| AHRI Numbers                  | 208842404   | 208842405   | 208842406   | 208842407   | 208842408   | 208842409   |
| <b>HEATING CAPACITY</b>       |             |             |             |             |             |             |
| BTU/h (47°F)                  | 22,800      | 27,600      | 32,200      | 37,200      | 43,500      | 54,500      |
| C.O.P. (47°F)                 | 3.60        | 3.54        | 3.70        | 3.68        | 3.62        | 3.58        |
| BTU/h (17°F)                  | 13,000      | 15,400      | 19,400      | 21,600      | 24,800      | 32,200      |
| C.O.P. (17°F)                 | 2.28        | 2.38        | 2.34        | 2.42        | 2.24        | 2.36        |
| HSPF2                         | 6.70        | 6.70        | 6.70        | 6.70        | 6.70        | 6.70        |
| <b>EVAPORATOR MOTOR</b>       |             |             |             |             |             |             |
| Type                          | ECM         | ECM         | ECM         | ECM         | ECM         | ECM         |
| Wheel (D x W)                 | 10 x 8      | 10 x 8      | 10 x 8      | 10 x 8      | 10 x 8      | 11 x 8      |
| Cooling CFM <sup>3</sup>      | 875         | 1,050       | 1,200       | 1,300       | 1,570       | 1,700       |
| Fan-Only CFM                  | 685         | 581         | 958         | 1,061       | 1,094       | 1,202       |
| No. of Speeds                 | 5           | 5           | 5           | 5           | 5           | 5           |
| Horsepower - RPM              | 1/2 - 1050  | 1/2 - 1050  | 1/2 - 1050  | 1/2 - 1050  | 3/4 - 1050  | 3/4 - 1050  |
| <b>EVAPORATOR COIL</b>        |             |             |             |             |             |             |
| Face Area (ft <sup>2</sup> )  | 5.26        | 5.26        | 6.23        | 6.23        | 6.23        | 7.01        |
| Rows Deep                     | 3           | 3           | 3           | 4           | 4           | 4           |
| Fins per Inch                 | 14          | 14          | 14          | 14          | 14          | 14          |
| Metering Device Type          | Piston      | Piston      | Piston      | Piston      | Piston      | Piston      |
| Drain Size (NPT)              | ¾"          | ¾"          | ¾"          | ¾"          | ¾"          | ¾"          |
| Refrigerant Charge (oz.)      | 105         | 105         | 116         | 132         | 170         | 173         |
| <b>CONDENSER FAN</b>          |             |             |             |             |             |             |
| Horsepower - RPM              | 1/6 - 810   | 1/6 - 810   | 1/4 - 830   | 1/4 - 1075  | 1/4 - 1075  | 1/4 - 1075  |
| Fan Diameter                  | 22          | 22          | 22          | 22          | 22          | 22          |
| # Fan Blades                  | 3           | 3           | 4           | 4           | 4           | 4           |
| <b>CONDENSER COIL</b>         |             |             |             |             |             |             |
| Face Area (ft <sup>2</sup> )  | 13.37       | 13.37       | 17.02       | 17.02       | 17.02       | 18.85       |
| Rows Deep                     | 1           | 1           | 1           | 1           | 2           | 2           |
| Fins per Inch                 | 24          | 24          | 24          | 24          | 16          | 20          |
| Metering Device Type          | Piston      | Piston      | Piston      | Piston      | Piston      | Piston      |
| <b>COMPRESSOR</b>             |             |             |             |             |             |             |
| Quantity                      | 1           | 1           | 1           | 1           | 1           | 1           |
| Type                          | Scroll      | Scroll      | Scroll      | Scroll      | Scroll      | Scroll      |
| Stage                         | Single      | Single      | Single      | Single      | Single      | Single      |
| <b>SOUND POWER</b>            |             |             |             |             |             |             |
| dBA                           | 76          | 76          | 78          | 78          | 80          | 80          |
| <b>ELECTRICAL DATA</b>        |             |             |             |             |             |             |
| Compressor RLA/LRA            | 12.8 / 58.3 | 14.1 / 73   | 16.7 / 79   | 16.7 / 109  | 19.9 / 109  | 26.4 / 134  |
| Voltage/Phase (60 Hz)         | 208-230 / 1 | 208-230 / 1 | 208-230 / 1 | 208-230 / 1 | 208-230 / 1 | 208-230 / 1 |
| Indoor Blower FLA             | 3.8         | 3.8         | 3.8         | 3.8         | 5.4         | 5.4         |
| Outdoor Fan FLA               | 0.95        | 0.95        | 1.3         | 1.4         | 1.4         | 1.4         |
| M.C.A. <sup>1</sup>           | 20.8        | 22.4        | 26          | 26.1        | 31.7        | 39.8        |
| M.O.P. <sup>2</sup>           | 30          | 35          | 40          | 40          | 50          | 60          |
| <b>OPERATING WEIGHT (LBS)</b> | 315         | 315         | 375         | 375         | 375         | 400         |
| <b>SHIP WEIGHT (LBS)</b>      | 324         | 324         | 387         | 387         | 387         | 412         |

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

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

<sup>3</sup> Factory

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

|     |         | OUTDOOR AMBIENT TEMPERATURE |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |
|-----|---------|-----------------------------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|
|     |         | 65                          |       |       |    | 75    |       |       |    | 85    |       |       |    | 95    |       |       |    | 105   |       |       |    | 115   |       |       |    |
| IDB | AIRFLOW | 59                          | 63    | 67    | 71 | 59    | 63    | 67    | 71 | 59    | 63    | 67    | 71 | 59    | 63    | 67    | 71 | 59    | 63    | 67    | 71 | 59    | 63    | 67    | 71 |
| 70  | MBh     | 23.6                        | 24.0  | 24.7  | -  | 23.4  | 23.8  | 24.5  | -  | 22.8  | 23.1  | 23.9  | -  | 21.7  | 22.1  | 22.8  | -  | 20.4  | 20.8  | 21.5  | -  | 19.2  | 19.6  | 20.3  | -  |
|     | S/T     | 0.56                        | 0.49  | 0.35  | -  | 0.57  | 0.49  | 0.36  | -  | 0.60  | 0.52  | 0.38  | -  | 1.00  | 0.54  | 0.40  | -  | 1.00  | 0.56  | 0.42  | -  | 1.00  | 0.61  | 0.48  | -  |
|     | ΔT      | 17.90                       | 16.30 | 13.33 | -  | 17.85 | 16.26 | 13.29 | -  | 18.08 | 16.48 | 13.51 | -  | 17.84 | 16.24 | 13.27 | -  | 17.62 | 16.03 | 13.06 | -  | 18.62 | 17.03 | 14.06 | -  |
|     | kW      | 1.55                        | 1.55  | 1.55  | -  | 1.75  | 1.75  | 1.74  | -  | 1.97  | 1.97  | 1.97  | -  | 2.21  | 2.21  | 2.21  | -  | 2.48  | 2.48  | 2.48  | -  | 2.80  | 2.80  | 2.79  | -  |
|     | Amps    | 6.20                        | 6.20  | 6.18  | -  | 7.12  | 7.11  | 7.09  | -  | 8.13  | 8.13  | 8.11  | -  | 9.24  | 9.23  | 9.21  | -  | 10.47 | 10.46 | 10.44 | -  | 11.91 | 11.90 | 11.89 | -  |
|     | Hi PR   | 128                         | 129   | 130   | -  | 149   | 149   | 150   | -  | 170   | 170   | 171   | -  | 193   | 193   | 194   | -  | 218   | 218   | 219   | -  | 244   | 245   | 245   | -  |
|     | Lo PR   | 124                         | 126   | 129   | -  | 132   | 133   | 136   | -  | 138   | 140   | 143   | -  | 144   | 146   | 149   | -  | 150   | 151   | 154   | -  | 157   | 158   | 161   | -  |
| 800 | MBh     | 23.9                        | 24.2  | 24.9  | -  | 23.7  | 24.0  | 24.7  | -  | 23.1  | 23.4  | 24.1  | -  | 22.0  | 22.3  | 23.0  | -  | 20.7  | 21.0  | 21.7  | -  | 19.5  | 19.8  | 20.5  | -  |
|     | S/T     | 0.64                        | 0.56  | 0.42  | -  | 0.65  | 0.57  | 0.43  | -  | 0.67  | 0.59  | 0.46  | -  | 1.00  | 0.61  | 0.48  | -  | 1.00  | 0.64  | 0.50  | -  | 1.00  | 0.69  | 0.55  | -  |
|     | ΔT      | 16.88                       | 15.29 | 12.32 | -  | 16.84 | 15.25 | 12.28 | -  | 17.06 | 15.47 | 12.50 | -  | 16.82 | 15.23 | 12.26 | -  | 16.61 | 15.02 | 12.05 | -  | 17.61 | 16.02 | 13.05 | -  |
|     | kW      | 1.56                        | 1.56  | 1.56  | -  | 1.76  | 1.76  | 1.76  | -  | 1.98  | 1.98  | 1.98  | -  | 2.22  | 2.22  | 2.22  | -  | 2.49  | 2.49  | 2.49  | -  | 2.81  | 2.81  | 2.80  | -  |
|     | Amps    | 6.25                        | 6.25  | 6.23  | -  | 7.17  | 7.16  | 7.14  | -  | 8.18  | 8.18  | 8.16  | -  | 9.29  | 9.28  | 9.26  | -  | 10.52 | 10.51 | 10.49 | -  | 11.96 | 11.95 | 11.94 | -  |
|     | Hi PR   | 129                         | 130   | 131   | -  | 150   | 150   | 151   | -  | 171   | 171   | 172   | -  | 194   | 194   | 195   | -  | 219   | 219   | 220   | -  | 245   | 246   | 246   | -  |
|     | Lo PR   | 126                         | 127   | 130   | -  | 133   | 135   | 138   | -  | 140   | 142   | 145   | -  | 146   | 147   | 150   | -  | 151   | 153   | 156   | -  | 158   | 160   | 163   | -  |
| 875 | MBh     | 24.1                        | 24.5  | 25.2  | -  | 23.9  | 24.2  | 25.0  | -  | 23.3  | 23.6  | 24.3  | -  | 22.2  | 22.6  | 23.3  | -  | 20.9  | 21.2  | 22.0  | -  | 19.7  | 20.1  | 20.8  | -  |
|     | S/T     | 0.68                        | 0.60  | 0.46  | -  | 0.68  | 0.61  | 0.47  | -  | 0.71  | 0.63  | 0.49  | -  | 1.00  | 0.65  | 0.51  | -  | 1.00  | 0.67  | 0.54  | -  | 1.00  | 0.73  | 0.59  | -  |
|     | ΔT      | 16.25                       | 14.65 | 11.68 | -  | 16.20 | 14.61 | 11.64 | -  | 16.43 | 14.83 | 11.86 | -  | 16.19 | 14.59 | 11.62 | -  | 15.97 | 14.38 | 11.41 | -  | 16.97 | 15.38 | 12.41 | -  |
|     | kW      | 1.57                        | 1.57  | 1.56  | -  | 1.77  | 1.77  | 1.76  | -  | 1.99  | 1.99  | 1.99  | -  | 2.23  | 2.23  | 2.23  | -  | 2.50  | 2.50  | 2.49  | -  | 2.82  | 2.81  | 2.81  | -  |
|     | Amps    | 6.29                        | 6.28  | 6.26  | -  | 7.20  | 7.19  | 7.17  | -  | 8.22  | 8.21  | 8.19  | -  | 9.32  | 9.31  | 9.29  | -  | 10.55 | 10.54 | 10.53 | -  | 11.99 | 11.98 | 11.97 | -  |
|     | Hi PR   | 130                         | 131   | 131   | -  | 150   | 151   | 152   | -  | 172   | 172   | 173   | -  | 195   | 195   | 196   | -  | 219   | 220   | 221   | -  | 246   | 246   | 247   | -  |
|     | Lo PR   | 127                         | 129   | 132   | -  | 135   | 136   | 139   | -  | 141   | 143   | 146   | -  | 147   | 148   | 152   | -  | 152   | 154   | 157   | -  | 159   | 161   | 164   | -  |

|     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 75  | MBh   | 23.7  | 24.0  | 24.7  | 25.8  | 23.4  | 23.8  | 24.5  | 25.6  | 22.8  | 23.2  | 23.9  | 25.0  | 21.8  | 22.1  | 22.8  | 23.9  | 20.4  | 20.8  | 21.5  | 22.6  | 19.3  | 19.6  | 20.3  | 21.4  |
|     | S/T   | 0.70  | 0.62  | 0.48  | 0.3   | 0.70  | 0.63  | 0.49  | 0.3   | 1.00  | 0.65  | 0.51  | 0.4   | 1.00  | 0.67  | 0.53  | 0.4   | 1.00  | 0.69  | 0.55  | 0.4   | 1.00  | 1.00  | 0.61  | 0.5   |
|     | ΔT    | 21.39 | 19.80 | 16.83 | 13.8  | 21.35 | 19.76 | 16.79 | 13.7  | 21.57 | 19.98 | 17.01 | 13.9  | 21.33 | 19.74 | 16.77 | 13.7  | 21.12 | 19.53 | 16.56 | 13.5  | 22.12 | 20.53 | 17.56 | 14.5  |
|     | kW    | 1.55  | 1.55  | 1.54  | 1.6   | 1.75  | 1.75  | 1.74  | 1.8   | 1.97  | 1.97  | 1.97  | 2.0   | 2.21  | 2.21  | 2.21  | 2.2   | 2.48  | 2.48  | 2.48  | 2.5   | 2.80  | 2.79  | 2.79  | 2.8   |
|     | Amps  | 6.20  | 6.19  | 6.18  | 6.2   | 7.11  | 7.10  | 7.09  | 7.2   | 8.13  | 8.12  | 8.11  | 8.2   | 9.23  | 9.22  | 9.21  | 9.3   | 10.46 | 10.45 | 10.44 | 10.5  | 11.90 | 11.90 | 11.88 | 12.0  |
|     | Hi PR | 128   | 129   | 130   | 132.0 | 149   | 149   | 150   | 152.4 | 170   | 171   | 171   | 173.7 | 193   | 193   | 194   | 196.6 | 218   | 218   | 219   | 221.4 | 244   | 245   | 246   | 247.8 |
|     | Lo PR | 124   | 126   | 129   | 134.2 | 132   | 133   | 137   | 141.8 | 138   | 140   | 143   | 148.5 | 144   | 146   | 149   | 154.1 | 150   | 151   | 154   | 159.7 | 157   | 158   | 161   | 166.6 |
|     | MBh   | 23.9  | 24.2  | 25.0  | 26.0  | 23.7  | 24.0  | 24.7  | 25.8  | 23.1  | 23.4  | 24.1  | 25.2  | 22.0  | 22.3  | 23.1  | 24.1  | 20.7  | 21.0  | 21.7  | 22.8  | 19.5  | 19.8  | 20.6  | 21.6  |
|     | S/T   | 0.77  | 0.69  | 0.56  | 0.4   | 1.00  | 0.70  | 0.56  | 0.4   | 1.00  | 0.73  | 0.59  | 0.4   | 1.00  | 0.74  | 0.61  | 0.5   | 1.00  | 0.77  | 0.63  | 0.5   | 1.00  | 1.00  | 0.68  | 0.5   |
|     | ΔT    | 20.38 | 18.79 | 15.82 | 12.7  | 20.34 | 18.75 | 15.78 | 12.7  | 20.56 | 18.97 | 16.00 | 12.9  | 20.32 | 18.73 | 15.76 | 12.7  | 20.11 | 18.52 | 15.55 | 12.5  | 21.11 | 19.52 | 16.54 | 13.5  |
| 800 | kW    | 1.56  | 1.56  | 1.56  | 1.6   | 1.76  | 1.76  | 1.75  | 1.8   | 1.98  | 1.98  | 1.98  | 2.0   | 2.22  | 2.22  | 2.22  | 2.2   | 2.49  | 2.49  | 2.49  | 2.5   | 2.81  | 2.81  | 2.80  | 2.8   |
|     | Amps  | 6.25  | 6.24  | 6.23  | 6.3   | 7.16  | 7.15  | 7.14  | 7.2   | 8.18  | 8.17  | 8.16  | 8.2   | 9.28  | 9.27  | 9.26  | 9.3   | 10.51 | 10.50 | 10.49 | 10.6  | 11.95 | 11.95 | 11.93 | 12.0  |
|     | Hi PR | 129   | 130   | 131   | 133.1 | 150   | 150   | 151   | 153.4 | 171   | 172   | 173   | 174.7 | 194   | 195   | 195   | 197.7 | 219   | 219   | 220   | 222.4 | 245   | 246   | 247   | 248.8 |
|     | Lo PR | 126   | 127   | 131   | 135.8 | 133   | 135   | 138   | 143.5 | 140   | 142   | 145   | 150.1 | 146   | 147   | 150   | 155.8 | 151   | 153   | 156   | 161.3 | 158   | 160   | 163   | 168.2 |
|     | MBh   | 24.1  | 24.5  | 25.2  | 26.3  | 23.9  | 24.3  | 25.0  | 26.1  | 23.3  | 23.6  | 24.3  | 25.4  | 22.2  | 22.6  | 23.3  | 24.4  | 20.9  | 21.3  | 22.0  | 23.1  | 19.7  | 20.1  | 20.8  | 21.9  |
|     | S/T   | 0.81  | 0.73  | 0.59  | 0.4   | 1.00  | 0.74  | 0.60  | 0.5   | 1.00  | 0.76  | 0.63  | 0.5   | 1.00  | 0.78  | 0.65  | 0.5   | 1.00  | 0.81  | 0.67  | 0.5   | 1.00  | 1.00  | 0.72  | 0.6   |
|     | ΔT    | 19.75 | 18.15 | 15.18 | 12.1  | 19.70 | 18.11 | 15.14 | 12.1  | 19.93 | 18.33 | 15.36 | 12.3  | 19.69 | 18.09 | 15.12 | 12.0  | 19.47 | 17.88 | 14.91 | 11.8  | 20.47 | 18.88 | 15.91 | 12.8  |
|     | kW    | 1.57  | 1.57  | 1.56  | 1.6   | 1.77  | 1.76  | 1.76  | 1.8   | 1.99  | 1.99  | 1.98  | 2.0   | 2.23  | 2.23  | 2.22  | 2.2   | 2.50  | 2.50  | 2.49  | 2.5   | 2.81  | 2.81  | 2.81  | 2.8   |
|     | Amps  | 6.28  | 6.27  | 6.26  | 6.3   | 7.19  | 7.18  | 7.17  | 7.2   | 8.21  | 8.20  | 8.19  | 8.3   | 9.31  | 9.30  | 9.29  | 9.4   | 10.54 | 10.53 | 10.52 | 10.6  | 11.99 | 11.98 | 11.96 | 12.0  |
|     | Hi PR | 130   | 131   | 132   | 133.8 | 150   | 151   | 152   | 154.2 | 172   | 172   | 173   | 175.5 | 195   | 195   | 196   | 198.4 | 219   | 220   | 221   | 223.2 | 246   | 246   | 247   | 249.6 |
|     | Lo PR | 127   | 129   | 132   | 137.1 | 135   | 136   | 139   | 144.7 | 141   | 143   | 146   | 151.4 | 147   | 149   | 152   | 157.0 | 153   | 154   | 157   | 162.6 | 159   | 161   | 164   | 169.5 |

IDB: Entering Indoor Dry Bulb Temperature

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

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

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

| IDB   |       | AIRFLOW |       | OUTDOOR AMBIENT TEMPERATURE          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|-------|-------|---------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|--|--|--|--|--|-----|--|--|--|--|--|
|       |       |         |       | 65                                   |       |       |       |       |       | 75    |       |       |       |       |       | 85    |       |       |       |       |       | 95    |       |       |       |       |      | 105 |  |  |  |  |  | 115 |  |  |  |  |  |
|       |       |         |       | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
| 59    | 63    | 67      | 71    | 59                                   | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71   |     |  |  |  |  |  |     |  |  |  |  |  |
| 80    | 700   | MBh     | 23.8  | 24.1                                 | 24.8  | 25.9  | 23.6  | 23.9  | 24.6  | 25.7  | 22.9  | 23.3  | 24.0  | 25.1  | 21.9  | 22.2  | 22.9  | 24.0  | 20.6  | 20.9  | 21.6  | 22.7  | 19.4  | 19.7  | 20.4  | 21.5  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | S/T     | 1.00  | 0.75                                 | 0.61  | 0.5   | 1.00  | 0.75  | 0.61  | 0.5   | 1.00  | 0.78  | 0.64  | 0.5   | 1.00  | 1.00  | 0.66  | 0.5   | 1.00  | 1.00  | 0.68  | 0.5   | 1.00  | 1.00  | 0.74  | 0.6   |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | ΔT      | 24.92 | 23.33                                | 20.35 | 17.3  | 24.87 | 23.28 | 20.31 | 17.2  | 25.10 | 23.51 | 20.53 | 17.5  | 24.86 | 23.27 | 20.29 | 17.2  | 24.64 | 23.05 | 20.08 | 17.0  | 25.64 | 24.05 | 21.08 | 18.0  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | kW      | 1.55  | 1.55                                 | 1.55  | 1.6   | 1.75  | 1.75  | 1.74  | 1.8   | 1.97  | 1.97  | 1.97  | 2.0   | 2.21  | 2.21  | 2.21  | 2.2   | 2.48  | 2.48  | 2.48  | 2.5   | 2.80  | 2.80  | 2.79  | 2.8   |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | 800   | Amps    | 6.20  | 6.20                                 | 6.18  | 6.2   | 7.11  | 7.11  | 7.09  | 7.2   | 8.13  | 8.13  | 8.11  | 8.2   | 9.23  | 9.23  | 9.21  | 9.3   | 10.47 | 10.46 | 10.44 | 10.5  | 11.91 | 11.90 | 11.89 | 12.0  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | Hi PR   | 129   | 129                                  | 130   | 132.3 | 149   | 149   | 150   | 152.6 | 170   | 171   | 172   | 173.9 | 193   | 194   | 195   | 196.9 | 218   | 218   | 219   | 221.6 | 244   | 245   | 246   | 248.0 |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | Lo PR   | 125   | 126                                  | 129   | 134.8 | 132   | 134   | 137   | 142.4 | 139   | 141   | 144   | 149.1 | 145   | 146   | 149   | 154.7 | 150   | 152   | 155   | 160.2 | 157   | 159   | 162   | 167.2 |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | MBh     | 24.0  | 24.4                                 | 25.1  | 26.2  | 23.8  | 24.2  | 24.9  | 26.0  | 23.2  | 23.5  | 24.2  | 25.3  | 22.1  | 22.5  | 23.2  | 24.3  | 20.8  | 21.2  | 21.9  | 23.0  | 19.6  | 20.0  | 20.7  | 21.8  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | 875   | S/T     | 1.00  | 0.82                                 | 0.68  | 0.5   | 1.00  | 0.83  | 0.69  | 0.5   | 1.00  | 0.85  | 0.71  | 0.6   | 1.00  | 1.00  | 0.73  | 0.6   | 1.00  | 1.00  | 0.76  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7   |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | ΔT      | 23.91 | 22.31                                | 19.34 | 16.3  | 23.86 | 22.27 | 19.30 | 16.2  | 24.09 | 22.49 | 19.52 | 16.4  | 23.85 | 22.25 | 19.28 | 16.2  | 23.63 | 22.04 | 19.07 | 16.0  | 24.63 | 23.04 | 20.07 | 17.0  |      |     |  |  |  |  |  |     |  |  |  |  |  |
| kW    |       | 1.56    | 1.56  | 1.56                                 | 1.6   | 1.76  | 1.76  | 1.76  | 1.8   | 1.98  | 1.98  | 1.98  | 2.0   | 2.22  | 2.22  | 2.22  | 2.2   | 2.49  | 2.49  | 2.49  | 2.5   | 2.81  | 2.81  | 2.80  | 2.8   |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
| Amps  |       | 6.25    | 6.25  | 6.23                                 | 6.3   | 7.16  | 7.16  | 7.14  | 7.2   | 8.18  | 8.18  | 8.16  | 8.2   | 9.28  | 9.28  | 9.26  | 9.3   | 10.52 | 10.51 | 10.49 | 10.6  | 11.96 | 11.95 | 11.94 | 12.0  |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
| 85    | 700   | Hi PR   | 130   | 130                                  | 131   | 133.3 | 150   | 151   | 151   | 153.7 | 171   | 172   | 173   | 175.0 | 194   | 195   | 196   | 197.9 | 219   | 220   | 220   | 222.7 | 245   | 246   | 247   | 249.1 |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | Lo PR   | 126   | 128                                  | 131   | 136.4 | 134   | 135   | 139   | 144.0 | 141   | 142   | 145   | 150.7 | 146   | 148   | 151   | 156.3 | 152   | 153   | 157   | 161.8 | 159   | 160   | 163   | 168.8 |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | MBh     | 24.3  | 24.6                                 | 25.3  | 26.4  | 24.0  | 24.4  | 25.1  | 26.2  | 23.4  | 23.8  | 24.5  | 25.6  | 22.4  | 22.7  | 23.4  | 24.5  | 21.0  | 21.4  | 22.1  | 23.2  | 19.9  | 20.2  | 20.9  | 22.0  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | S/T     | 1.00  | 0.86                                 | 0.72  | 0.6   | 1.00  | 0.87  | 0.73  | 0.6   | 1.00  | 0.89  | 0.75  | 0.6   | 1.00  | 1.00  | 0.77  | 0.6   | 1.00  | 1.00  | 0.80  | 0.7   | 1.00  | 1.00  | 0.85  | 0.7   |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | 875   | ΔT      | 23.27 | 21.68                                | 18.71 | 15.6  | 23.22 | 21.63 | 18.66 | 15.6  | 23.45 | 21.86 | 18.89 | 15.8  | 23.21 | 21.62 | 18.65 | 15.6  | 23.00 | 21.40 | 18.43 | 15.4  | 23.99 | 22.40 | 19.43 | 16.4  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | kW      | 1.57  | 1.57                                 | 1.56  | 1.6   | 1.77  | 1.77  | 1.76  | 1.8   | 1.99  | 1.99  | 1.98  | 2.0   | 2.23  | 2.23  | 2.23  | 2.2   | 2.50  | 2.50  | 2.49  | 2.5   | 2.82  | 2.81  | 2.81  | 2.8   |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | Amps    | 6.28  | 6.28                                 | 6.26  | 6.3   | 7.20  | 7.19  | 7.17  | 7.2   | 8.21  | 8.21  | 8.19  | 8.3   | 9.32  | 9.31  | 9.29  | 9.4   | 10.55 | 10.54 | 10.52 | 10.6  | 11.99 | 11.98 | 11.97 | 12.0  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | Hi PR   | 130   | 131                                  | 132   | 134.1 | 151   | 151   | 152   | 154.4 | 172   | 173   | 173   | 175.7 | 195   | 196   | 196   | 198.7 | 220   | 220   | 221   | 223.4 | 246   | 247   | 248   | 249.8 |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | Lo PR | 128     | 129   | 132                                  | 137.7 | 135   | 137   | 140   | 145.3 | 142   | 143   | 147   | 152.0 | 148   | 149   | 152   | 157.6 | 153   | 155   | 158   | 163.1 | 160   | 162   | 165   | 170.1 |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | 85    | 700     | MBh   | 24.2                                 | 24.5  | 25.2  | 26.3  | 24.0  | 24.3  | 25.0  | 26.1  | 23.3  | 23.7  | 24.4  | 25.5  | 22.3  | 22.6  | 23.3  | 24.4  | 21.0  | 21.3  | 22.0  | 23.1  | 19.8  | 20.1  | 20.8  | 21.9 |     |  |  |  |  |  |     |  |  |  |  |  |
| S/T   |       |         | 1.00  | 0.85                                 | 0.71  | 0.6   | 1.00  | 1.00  | 0.72  | 0.6   | 1.00  | 1.00  | 0.74  | 0.6   | 1.00  | 1.00  | 0.76  | 0.6   | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 1.00  | 0.7   |      |     |  |  |  |  |  |     |  |  |  |  |  |
| ΔT    |       |         | 28.04 | 26.45                                | 23.48 | 20.4  | 28.00 | 26.41 | 23.44 | 20.4  | 28.22 | 26.63 | 23.66 | 20.6  | 27.98 | 26.39 | 23.42 | 20.3  | 27.77 | 26.18 | 23.21 | 20.1  | 28.77 | 27.17 | 24.20 | 21.1  |      |     |  |  |  |  |  |     |  |  |  |  |  |
| kW    |       |         | 1.55  | 1.55                                 | 1.55  | 1.6   | 1.75  | 1.75  | 1.75  | 1.8   | 1.98  | 1.97  | 1.97  | 2.0   | 2.22  | 2.21  | 2.21  | 2.2   | 2.49  | 2.48  | 2.48  | 2.5   | 2.80  | 2.80  | 2.80  | 2.8   |      |     |  |  |  |  |  |     |  |  |  |  |  |
| 800   |       | Amps    | 6.22  | 6.21                                 | 6.20  | 6.3   | 7.13  | 7.13  | 7.11  | 7.2   | 8.15  | 8.14  | 8.13  | 8.2   | 9.25  | 9.24  | 9.23  | 9.3   | 10.48 | 10.48 | 10.46 | 10.5  | 11.93 | 11.92 | 11.90 | 12.0  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | Hi PR   | 129   | 130                                  | 131   | 132.9 | 150   | 150   | 151   | 153.2 | 171   | 171   | 172   | 174.5 | 194   | 194   | 195   | 197.5 | 219   | 219   | 220   | 222.2 | 245   | 245   | 246   | 248.6 |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | Lo PR   | 127   | 128                                  | 131   | 136.6 | 134   | 136   | 139   | 144.3 | 141   | 142   | 146   | 150.9 | 147   | 148   | 151   | 156.6 | 152   | 154   | 157   | 162.1 | 159   | 161   | 164   | 169.0 |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | MBh     | 24.4  | 24.8                                 | 25.5  | 26.6  | 24.2  | 24.6  | 25.3  | 26.4  | 23.6  | 23.9  | 24.7  | 25.7  | 22.5  | 22.9  | 23.6  | 24.7  | 21.2  | 21.6  | 22.3  | 23.4  | 20.0  | 20.4  | 21.1  | 22.2  |      |     |  |  |  |  |  |     |  |  |  |  |  |
| 875   |       | S/T     | 1.00  | 0.92                                 | 0.79  | 0.6   | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 0.82  | 0.7   | 1.00  | 1.00  | 0.84  | 0.7   | 1.00  | 1.00  | 1.00  | 0.7   | 1.00  | 1.00  | 1.00  | 0.8   |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       |       | ΔT      | 27.03 | 25.44                                | 22.47 | 19.4  | 26.99 | 25.40 | 22.42 | 19.3  | 27.21 | 25.62 | 22.65 | 19.6  | 26.97 | 25.38 | 22.41 | 19.3  | 26.76 | 25.17 | 22.20 | 19.1  | 27.75 | 26.16 | 23.19 | 20.1  |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | kW    | 1.57    | 1.56  | 1.56                                 | 1.6   | 1.76  | 1.76  | 1.76  | 1.8   | 1.99  | 1.99  | 1.98  | 2.0   | 2.23  | 2.23  | 2.22  | 2.2   | 2.50  | 2.49  | 2.49  | 2.5   | 2.81  | 2.81  | 2.81  | 2.8   |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | Amps  | 6.27    | 6.26  | 6.25                                 | 6.3   | 7.18  | 7.17  | 7.16  | 7.2   | 8.20  | 8.19  | 8.18  | 8.2   | 9.30  | 9.29  | 9.28  | 9.3   | 10.53 | 10.53 | 10.51 | 10.6  | 11.98 | 11.97 | 11.95 | 12.0  |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
| 85    | Hi PR | 130     | 131   | 132                                  | 133.9 | 151   | 151   | 152   | 154.3 | 172   | 172   | 173   | 175.6 | 195   | 195   | 196   | 198.5 | 220   | 220   | 221   | 223.3 | 246   | 247   | 247   | 249.7 |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | Lo PR | 128     | 130   | 133                                  | 138.3 | 136   | 137   | 141   | 145.9 | 142   | 144   | 147   | 152.6 | 148   | 150   | 153   | 158.2 | 154   | 155   | 158   | 163.7 | 161   | 162   | 165   | 170.7 |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | MBh   | 24.7    | 25.0  | 25.7                                 | 26.8  | 24.4  | 24.8  | 25.5  | 26.6  | 23.8  | 24.2  | 24.9  | 26.0  | 22.8  | 23.1  | 23.8  | 24.9  | 21.4  | 21.8  | 22.5  | 23.6  | 20.3  | 20.6  | 21.3  | 22.4  |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | S/T   | 1.00    | 0.96  | 0.82                                 | 0.7   | 1.00  | 1.00  | 0.83  | 0.7   | 1.00  | 1.00  | 0.86  | 0.7   | 1.00  | 1.00  | 0.88  | 0.7   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
| 875   | ΔT    | 26.39   | 24.80 | 21.83                                | 18.8  | 26.35 | 24.76 | 21.79 | 18.7  | 26.57 | 24.98 | 22.01 | 18.9  | 26.33 | 24.74 | 21.77 | 18.7  | 26.12 | 24.53 | 21.56 | 18.5  | 27.12 | 25.52 | 22.55 | 19.5  |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | kW    | 1.57    | 1.57  | 1.57                                 | 1.6   | 1.77  | 1.77  | 1.77  | 1.8   | 1.99  | 1.99  | 1.99  | 2.0   | 2.23  | 2.23  | 2.23  | 2.2   | 2.50  | 2.50  | 2.50  | 2.5   | 2.82  | 2.82  | 2.81  | 2.8   |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | Amps  | 6.30    | 6.29  | 6.28                                 | 6.3   | 7.21  | 7.21  | 7.19  | 7.3   | 8.23  | 8.22  | 8.21  | 8.3   | 9.33  | 9.33  | 9.31  | 9.4   | 10.56 | 10.56 | 10.54 | 10.6  | 12.01 | 12.00 | 11.99 | 12.1  |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
|       | Hi PR | 131     | 132   | 132                                  | 134.7 | 151   | 152   | 153   | 155.0 | 173   | 173   | 174   | 176.3 | 196   | 196   | 197   | 199.3 | 220   | 221   | 222   | 224.0 | 247   | 247   | 248   | 250.4 |       |      |     |  |  |  |  |  |     |  |  |  |  |  |
| Lo PR | 129   | 131     | 134   | 139.5                                | 137   | 139   | 142   | 147.2 | 144   | 145   | 148   | 153.8 | 149   | 151   | 154   | 159.5 | 155   | 156   | 160   | 165.0 | 162   | 163   | 167   | 171.9 |       |       |      |     |  |  |  |  |  |     |  |  |  |  |  |

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

DB: Entering Indoor Dry Bulb Temperature

Amperage = outdoor unit amps (comp. + fan)

Shaded area reflects ACCA (TVA) conditions

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

KW = Total system power

|     |         | OUTDOOR AMBIENT TEMPERATURE          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |   |
|-----|---------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|---|
|     |         | 65                                   |       |       |       | 75    |       |       |       | 85    |       |       |       | 95    |       |       |       | 105   |       |       |       | 115   |       |       |    |   |
|     |         | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |   |
| IDB | AIRFLOW | 59                                   | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71 |   |
| 70  | 875     | 28.2                                 | 28.6  | 29.4  | -     | 27.9  | 28.3  | 29.2  | -     | 27.2  | 27.6  | 28.4  | -     | 25.9  | 26.3  | 27.2  | -     | 24.4  | 24.8  | 25.6  | -     | 22.9  | 23.3  | 24.2  | -  | - |
|     |         | 0.60                                 | 0.52  | 0.38  | -     | 0.61  | 0.53  | 0.39  | -     | 0.63  | 0.56  | 0.41  | -     | 1.00  | 0.58  | 0.43  | -     | 1.00  | 0.60  | 0.46  | -     | 1.00  | 0.65  | 0.51  | -  | - |
|     |         | 18.39                                | 16.72 | 13.61 | -     | 18.34 | 16.68 | 13.57 | -     | 18.57 | 16.91 | 13.80 | -     | 18.32 | 16.66 | 13.55 | -     | 18.10 | 16.44 | 13.33 | -     | 19.14 | 17.48 | 14.37 | -  | - |
|     |         | 1.84                                 | 1.84  | 1.83  | -     | 2.08  | 2.08  | 2.07  | -     | 2.34  | 2.34  | 2.34  | -     | 2.63  | 2.63  | 2.63  | -     | 2.96  | 2.95  | 2.95  | -     | 3.33  | 3.33  | 3.33  | -  | - |
|     | 7.39    | 7.38                                 | 7.37  | -     | 8.49  | 8.48  | 8.46  | -     | 9.71  | 9.70  | 9.68  | -     | 11.03 | 11.02 | 11.00 | -     | 12.50 | 12.49 | 12.47 | -     | 14.23 | 14.22 | 14.21 | -     | -  |   |
|     | 2.77    | 2.78                                 | 2.80  | -     | 3.21  | 3.22  | 3.24  | -     | 3.67  | 3.68  | 3.70  | -     | 4.16  | 4.17  | 4.19  | -     | 4.70  | 4.71  | 4.73  | -     | 5.26  | 5.28  | 5.30  | -     | -  |   |
|     | 126     | 127                                  | 131   | -     | 134   | 135   | 138   | -     | 140   | 142   | 145   | -     | 146   | 148   | 151   | -     | 152   | 153   | 156   | -     | 159   | 160   | 163   | -     | -  |   |
|     | 28.7    | 29.1                                 | 29.9  | -     | 28.4  | 28.8  | 29.6  | -     | 27.7  | 28.1  | 28.9  | -     | 26.4  | 26.8  | 27.6  | -     | 24.8  | 25.2  | 26.1  | -     | 23.4  | 23.8  | 24.7  | -     | -  |   |
|     | 0.69    | 0.61                                 | 0.47  | -     | 0.70  | 0.62  | 0.48  | -     | 0.72  | 0.65  | 0.50  | -     | 1.00  | 0.67  | 0.52  | -     | 1.00  | 0.69  | 0.55  | -     | 1.00  | 0.74  | 0.60  | -     | -  |   |
|     | 16.99   | 15.33                                | 12.22 | -     | 16.95 | 15.28 | 12.18 | -     | 17.18 | 15.52 | 12.41 | -     | 16.93 | 15.27 | 12.16 | -     | 16.71 | 15.04 | 11.94 | -     | 17.75 | 16.09 | 12.98 | -     | -  |   |
|     | 1.86    | 1.85                                 | 1.85  | -     | 2.10  | 2.09  | 2.09  | -     | 2.36  | 2.36  | 2.36  | -     | 2.65  | 2.65  | 2.64  | -     | 2.97  | 2.97  | 2.97  | -     | 3.35  | 3.35  | 3.35  | -     | -  |   |
|     | 7.47    | 7.46                                 | 7.44  | -     | 8.56  | 8.56  | 8.54  | -     | 9.78  | 9.78  | 9.76  | -     | 11.11 | 11.10 | 11.08 | -     | 12.58 | 12.57 | 12.55 | -     | 14.31 | 14.30 | 14.28 | -     | -  |   |
| 280 | 281     | 283                                  | -     | 324   | 325   | 327   | -     | 370   | 371   | 373   | -     | 419   | 421   | 423   | -     | 473   | 474   | 476   | -     | 530   | 531   | 533   | -     | -     |    |   |
| 128 | 130     | 133                                  | -     | 136   | 138   | 141   | -     | 143   | 144   | 148   | -     | 149   | 150   | 153   | -     | 154   | 156   | 159   | -     | 161   | 163   | 166   | -     | -     |    |   |
| 75  | 1125    | 28.9                                 | 29.3  | 30.1  | -     | 28.6  | 29.0  | 29.9  | -     | 27.9  | 28.3  | 29.2  | -     | 26.6  | 27.0  | 27.9  | -     | 25.1  | 25.5  | 26.3  | -     | 23.7  | 24.1  | 24.9  | -  | - |
|     |         | 0.72                                 | 0.64  | 0.50  | -     | 0.72  | 0.64  | 0.50  | -     | 1.00  | 0.67  | 0.53  | -     | 1.00  | 0.69  | 0.55  | -     | 1.00  | 0.71  | 0.57  | -     | 1.00  | 1.00  | 0.62  | -  | - |
|     |         | 16.50                                | 14.83 | 11.72 | -     | 16.45 | 14.78 | 11.68 | -     | 16.68 | 15.02 | 11.91 | -     | 16.43 | 14.77 | 11.66 | -     | 16.21 | 14.55 | 11.44 | -     | 17.25 | 15.59 | 12.48 | -  | - |
|     |         | 1.86                                 | 1.86  | 1.86  | -     | 2.10  | 2.10  | 2.10  | -     | 2.37  | 2.37  | 2.36  | -     | 2.66  | 2.65  | 2.65  | -     | 2.98  | 2.98  | 2.97  | -     | 3.36  | 3.36  | 3.35  | -  | - |
|     | 7.50    | 7.49                                 | 7.47  | -     | 8.59  | 8.58  | 8.57  | -     | 9.81  | 9.80  | 9.79  | -     | 11.13 | 11.12 | 11.11 | -     | 12.61 | 12.60 | 12.58 | -     | 14.34 | 14.33 | 14.31 | -     | -  |   |
|     | 2.82    | 2.83                                 | 2.85  | -     | 3.25  | 3.27  | 3.29  | -     | 3.71  | 3.73  | 3.74  | -     | 4.21  | 4.22  | 4.24  | -     | 4.74  | 4.75  | 4.77  | -     | 5.31  | 5.32  | 5.34  | -     | -  |   |
|     | 130     | 131                                  | 134   | -     | 137   | 139   | 142   | -     | 144   | 146   | 149   | -     | 150   | 151   | 154   | -     | 155   | 157   | 160   | -     | 162   | 164   | 167   | -     | -  |   |
|     | 28.7    | 29.1                                 | 29.9  | -     | 28.4  | 28.8  | 29.7  | -     | 27.7  | 28.1  | 28.9  | -     | 26.4  | 26.8  | 27.6  | -     | 24.8  | 25.2  | 26.1  | -     | 23.4  | 23.8  | 24.7  | -     | -  |   |
|     | 0.69    | 0.61                                 | 0.47  | -     | 0.70  | 0.62  | 0.48  | -     | 0.72  | 0.65  | 0.50  | -     | 1.00  | 0.67  | 0.52  | -     | 1.00  | 0.69  | 0.55  | -     | 1.00  | 0.74  | 0.60  | -     | -  |   |
|     | 16.99   | 15.33                                | 12.22 | -     | 16.95 | 15.28 | 12.18 | -     | 17.18 | 15.52 | 12.41 | -     | 16.93 | 15.27 | 12.16 | -     | 16.71 | 15.04 | 11.94 | -     | 17.75 | 16.09 | 12.98 | -     | -  |   |
|     | 1.86    | 1.85                                 | 1.85  | -     | 2.10  | 2.09  | 2.09  | -     | 2.36  | 2.36  | 2.36  | -     | 2.65  | 2.65  | 2.64  | -     | 2.97  | 2.97  | 2.97  | -     | 3.35  | 3.35  | 3.35  | -     | -  |   |
|     | 7.47    | 7.46                                 | 7.44  | -     | 8.56  | 8.56  | 8.54  | -     | 9.78  | 9.78  | 9.76  | -     | 11.11 | 11.10 | 11.08 | -     | 12.58 | 12.57 | 12.55 | -     | 14.31 | 14.30 | 14.28 | -     | -  |   |
| 280 | 281     | 283                                  | -     | 324   | 325   | 327   | -     | 370   | 371   | 373   | -     | 419   | 421   | 423   | -     | 473   | 474   | 476   | -     | 530   | 531   | 533   | -     | -     |    |   |
| 128 | 130     | 133                                  | -     | 136   | 138   | 141   | -     | 143   | 144   | 148   | -     | 149   | 150   | 153   | -     | 154   | 156   | 159   | -     | 161   | 163   | 166   | -     | -     |    |   |

|      |         | OUTDOOR AMBIENT TEMPERATURE          |       |       |       |                                      |       |       |       |                                      |       |       |       |                                      |              |       |       | 115                                  |       |       |       |       |       |       |       |
|------|---------|--------------------------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|--------------------------------------|-------|-------|-------|--------------------------------------|--------------|-------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|
|      |         | 65                                   |       |       |       | 75                                   |       |       |       | 85                                   |       |       |       | 95                                   |              |       |       | 105                                  |       |       |       |       |       |       |       |
|      |         | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       | ENTERING INDOOR WET BULB TEMPERATURE |              |       |       | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       |       |       |       |       |
| IDB  | AIRFLOW | 59                                   | 63    | 67    | 71    | 59                                   | 63    | 67    | 71    | 59                                   | 63    | 67    | 71    | 59                                   | 63           | 67    | 71    | 59                                   | 63    | 67    | 71    |       |       |       |       |
| 875  | MBh     | 28.2                                 | 28.6  | 29.4  | 30.7  | 27.9                                 | 28.3  | 29.2  | 30.5  | 27.2                                 | 27.6  | 28.4  | 29.7  | 25.9                                 | 26.3         | 27.2  | 28.5  | 24.4                                 | 24.8  | 25.6  | 26.9  | 23.0  | 23.4  | 24.2  | 25.5  |
|      | S/T     | 0.74                                 | 0.66  | 0.52  | 0.4   | 1.00                                 | 0.66  | 0.52  | 0.4   | 1.00                                 | 0.69  | 0.55  | 0.4   | 1.00                                 | 0.71         | 0.57  | 0.4   | 1.00                                 | 0.73  | 0.59  | 0.4   | 1.00  | 1.00  | 0.65  | 0.5   |
|      | ΔT      | 22.05                                | 20.38 | 17.27 | 14.1  | 22.00                                | 20.34 | 17.23 | 14.0  | 22.23                                | 20.57 | 17.46 | 14.2  | 21.98                                | 20.32        | 17.21 | 14.0  | 21.76                                | 20.10 | 16.99 | 13.8  | 22.80 | 21.14 | 18.03 | 14.8  |
|      | kW      | 1.84                                 | 1.84  | 1.83  | 1.9   | 2.08                                 | 2.07  | 2.07  | 2.1   | 2.34                                 | 2.34  | 2.34  | 2.4   | 2.63                                 | 2.63         | 2.63  | 2.6   | 2.95                                 | 2.95  | 2.95  | 3.0   | 3.33  | 3.33  | 3.33  | 3.3   |
| 1050 | Amps    | 7.39                                 | 7.38  | 7.36  | 7.4   | 8.48                                 | 8.47  | 8.45  | 8.5   | 9.70                                 | 9.69  | 9.67  | 9.8   | 11.02                                | 11.01        | 10.99 | 11.1  | 12.49                                | 12.49 | 12.47 | 12.6  | 14.23 | 14.22 | 14.20 | 14.3  |
|      | Hi PR   | 277                                  | 278   | 280   | 285.3 | 321                                  | 322   | 324   | 329.1 | 367                                  | 368   | 370   | 375.0 | 416                                  | 418          | 420   | 424.5 | 470                                  | 471   | 473   | 477.8 | 527   | 528   | 530   | 534.7 |
|      | Lo PR   | 126                                  | 128   | 131   | 136.1 | 134                                  | 135   | 138   | 143.8 | 140                                  | 142   | 145   | 150.6 | 146                                  | 148          | 151   | 156.3 | 152                                  | 153   | 156   | 161.9 | 159   | 160   | 163   | 168.9 |
|      | MBh     | 28.7                                 | 29.1  | 29.9  | 31.2  | 28.4                                 | 28.8  | 29.7  | 31.0  | 27.7                                 | 28.1  | 28.9  | 30.2  | 26.4                                 | <b>26.8</b>  | 27.7  | 28.9  | 24.9                                 | 25.3  | 26.1  | 27.4  | 23.4  | 23.8  | 24.7  | 26.0  |
| 75   | S/T     | 0.83                                 | 0.75  | 0.61  | 0.5   | 1.00                                 | 0.75  | 0.61  | 0.5   | 1.00                                 | 0.78  | 0.64  | 0.5   | 1.00                                 | <b>0.80</b>  | 0.66  | 0.5   | 1.00                                 | 1.00  | 0.68  | 0.5   | 1.00  | 1.00  | 0.74  | 0.6   |
|      | ΔT      | 20.65                                | 18.99 | 15.88 | 12.7  | 20.61                                | 18.94 | 15.84 | 12.6  | 20.84                                | 19.18 | 16.07 | 12.8  | 20.59                                | <b>18.93</b> | 15.82 | 12.6  | 20.37                                | 18.70 | 15.60 | 12.4  | 21.41 | 19.75 | 16.64 | 13.4  |
|      | kW      | 1.85                                 | 1.85  | 1.85  | 1.9   | 2.09                                 | 2.09  | 2.09  | 2.1   | 2.36                                 | 2.36  | 2.35  | 2.4   | 2.65                                 | <b>2.65</b>  | 2.64  | 2.7   | 2.97                                 | 2.97  | 2.97  | 3.0   | 3.35  | 3.35  | 3.34  | 3.4   |
|      | Amps    | 7.46                                 | 7.46  | 7.44  | 7.5   | 8.56                                 | 8.55  | 8.53  | 8.6   | 9.78                                 | 9.77  | 9.75  | 9.8   | 11.10                                | <b>11.09</b> | 11.07 | 11.2  | 12.57                                | 12.56 | 12.55 | 12.6  | 14.30 | 14.30 | 14.28 | 14.4  |
| 1125 | Hi PR   | 280                                  | 282   | 284   | 288.5 | 324                                  | 326   | 327   | 332.3 | 370                                  | 371   | 373   | 378.2 | 420                                  | <b>421</b>   | 423   | 427.7 | 473                                  | 474   | 476   | 481.0 | 530   | 531   | 533   | 537.9 |
|      | Lo PR   | 128                                  | 130   | 133   | 138.6 | 136                                  | 138   | 141   | 146.3 | 143                                  | 144   | 148   | 153.0 | 149                                  | <b>150</b>   | 153   | 158.7 | 154                                  | 156   | 159   | 164.3 | 161   | 163   | 166   | 171.3 |
|      | MBh     | 28.9                                 | 29.3  | 30.2  | 31.5  | 28.7                                 | 29.1  | 29.9  | 31.2  | 27.9                                 | 28.3  | 29.2  | 30.5  | 26.7                                 | 27.1         | 27.9  | 29.2  | 25.1                                 | 25.5  | 26.3  | 27.6  | 23.7  | 24.1  | 24.9  | 26.2  |
|      | S/T     | 0.85                                 | 0.77  | 0.63  | 0.5   | 1.00                                 | 0.78  | 0.64  | 0.5   | 1.00                                 | 0.80  | 0.66  | 0.5   | 1.00                                 | 0.82         | 0.68  | 0.5   | 1.00                                 | 1.00  | 0.71  | 0.6   | 1.00  | 1.00  | 0.76  | 0.6   |
| 75   | ΔT      | 20.15                                | 18.49 | 15.38 | 12.2  | 20.11                                | 18.44 | 15.34 | 12.1  | 20.34                                | 18.68 | 15.57 | 12.4  | 20.09                                | 18.43        | 15.32 | 12.1  | 19.87                                | 18.21 | 15.10 | 11.9  | 20.91 | 19.25 | 16.14 | 12.9  |
|      | kW      | 1.86                                 | 1.86  | 1.86  | 1.9   | 2.10                                 | 2.10  | 2.09  | 2.1   | 2.37                                 | 2.36  | 2.36  | 2.4   | 2.66                                 | 2.65         | 2.65  | 2.7   | 2.98                                 | 2.98  | 2.97  | 3.0   | 3.36  | 3.35  | 3.35  | 3.4   |
|      | Amps    | 7.49                                 | 7.48  | 7.47  | 7.5   | 8.59                                 | 8.58  | 8.56  | 8.6   | 9.81                                 | 9.80  | 9.78  | 9.9   | 11.13                                | 11.12        | 11.10 | 11.2  | 12.60                                | 12.59 | 12.57 | 12.7  | 14.33 | 14.32 | 14.30 | 14.4  |
|      | Hi PR   | 282                                  | 283   | 285   | 289.8 | 326                                  | 327   | 329   | 333.6 | 372                                  | 373   | 375   | 379.5 | 421                                  | 422          | 424   | 429.0 | 474                                  | 476   | 477   | 482.3 | 531   | 532   | 534   | 539.2 |
| 75   | Lo PR   | 130                                  | 131   | 134   | 139.7 | 137                                  | 139   | 142   | 147.4 | 144                                  | 146   | 149   | 154.2 | 150                                  | 151          | 154   | 159.9 | 155                                  | 157   | 160   | 165.5 | 162   | 164   | 167   | 172.5 |
|      | MBh     | 28.7                                 | 29.1  | 29.9  | 31.2  | 28.4                                 | 28.8  | 29.7  | 31.0  | 27.7                                 | 28.1  | 28.9  | 30.2  | 26.4                                 | <b>26.8</b>  | 27.7  | 28.9  | 24.9                                 | 25.3  | 26.1  | 27.4  | 23.4  | 23.8  | 24.7  | 26.0  |
|      | S/T     | 0.83                                 | 0.75  | 0.61  | 0.5   | 1.00                                 | 0.75  | 0.61  | 0.5   | 1.00                                 | 0.78  | 0.64  | 0.5   | 1.00                                 | <b>0.80</b>  | 0.66  | 0.5   | 1.00                                 | 1.00  | 0.68  | 0.5   | 1.00  | 1.00  | 0.74  | 0.6   |
|      | ΔT      | 20.65                                | 18.99 | 15.88 | 12.7  | 20.61                                | 18.94 | 15.84 | 12.6  | 20.84                                | 19.18 | 16.07 | 12.8  | 20.59                                | <b>18.93</b> | 15.82 | 12.6  | 20.37                                | 18.70 | 15.60 | 12.4  | 21.41 | 19.75 | 16.64 | 13.4  |

IDB: Entering Indoor Dry Bulb Temperature

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

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

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

| IDB   |       | AIRFLOW |       | OUTDOOR AMBIENT TEMPERATURE          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |
|-------|-------|---------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|
|       |       |         |       | 65                                   |       |       |       |       | 75    |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |  |  |  |  |
|       |       |         |       | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |  |
|       |       | 59      | 63    | 67                                   | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    |  |  |  |  |
| 80    | MbH   | 28.3    | 28.7  | 29.6                                 | 30.9  | 28.1  | 28.5  | 29.3  | 30.6  | 27.3  | 27.7  | 28.6  | 29.9  | 26.1  | 26.5  | 27.3  | 28.6  | 24.5  | 24.9  | 25.8  | 27.1  | 23.1  | 23.5  | 24.3  | 25.6  | 23.1  | 23.5  | 24.3  | 25.6  |  |  |  |  |
|       | S/T   | 1.00    | 0.79  | 0.65                                 | 0.5   | 1.00  | 0.79  | 0.65  | 0.5   | 1.00  | 0.82  | 0.68  | 0.5   | 1.00  | 1.00  | 0.70  | 0.6   | 1.00  | 1.00  | 0.72  | 0.6   | 1.00  | 1.00  | 0.78  | 0.6   | 1.00  | 1.00  | 0.78  | 0.6   |  |  |  |  |
|       | ΔT    | 25.73   | 24.07 | 20.96                                | 17.7  | 25.69 | 24.02 | 20.91 | 17.7  | 25.92 | 24.25 | 21.15 | 17.9  | 25.67 | 24.00 | 20.90 | 17.7  | 25.45 | 23.78 | 20.67 | 17.5  | 26.49 | 24.82 | 21.72 | 18.5  | 26.49 | 24.82 | 21.72 | 18.5  |  |  |  |  |
|       | kW    | 1.84    | 1.84  | 1.83                                 | 1.9   | 2.08  | 2.08  | 2.07  | 2.1   | 2.34  | 2.34  | 2.34  | 2.4   | 2.63  | 2.63  | 2.63  | 2.6   | 2.96  | 2.95  | 2.95  | 3.0   | 3.33  | 3.33  | 3.33  | 3.3   | 3.33  | 3.33  | 3.33  | 3.3   |  |  |  |  |
|       | Amps  | 7.39    | 7.38  | 7.36                                 | 7.4   | 8.48  | 8.48  | 8.46  | 8.5   | 9.70  | 9.70  | 9.68  | 9.8   | 11.03 | 11.02 | 11.00 | 11.1  | 12.50 | 12.49 | 12.47 | 12.6  | 14.23 | 14.22 | 14.20 | 14.3  | 14.23 | 14.22 | 14.20 | 14.3  |  |  |  |  |
|       | Hi PR | 278     | 279   | 281                                  | 285.8 | 322   | 323   | 325   | 329.6 | 368   | 369   | 371   | 375.6 | 417   | 418   | 420   | 425.0 | 470   | 472   | 473   | 478.3 | 527   | 528   | 530   | 535.2 | 527   | 528   | 530   | 535.2 |  |  |  |  |
|       | Lo PR | 127     | 128   | 131                                  | 136.7 | 134   | 136   | 139   | 144.4 | 141   | 143   | 146   | 151.1 | 147   | 148   | 151   | 156.8 | 152   | 154   | 157   | 162.4 | 159   | 161   | 164   | 169.4 | 159   | 161   | 164   | 169.4 |  |  |  |  |
|       | MbH   | 28.8    | 29.2  | 30.1                                 | 31.4  | 28.6  | 29.0  | 29.8  | 31.1  | 27.8  | 28.2  | 29.1  | 30.4  | 26.6  | 27.0  | 27.8  | 29.1  | 25.0  | 25.4  | 26.2  | 27.5  | 23.6  | 24.0  | 24.8  | 26.1  | 23.6  | 24.0  | 24.8  | 26.1  |  |  |  |  |
|       | S/T   | 1.00    | 0.88  | 0.74                                 | 0.6   | 1.00  | 0.88  | 0.74  | 0.6   | 1.00  | 0.91  | 0.77  | 0.6   | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   |  |  |  |  |
|       | ΔT    | 24.34   | 22.67 | 19.57                                | 16.3  | 24.29 | 22.63 | 19.52 | 16.3  | 24.53 | 22.86 | 19.75 | 16.5  | 24.28 | 22.61 | 19.50 | 16.3  | 24.05 | 22.39 | 19.28 | 16.1  | 25.10 | 23.43 | 20.32 | 17.1  | 25.10 | 23.43 | 20.32 | 17.1  |  |  |  |  |
| 1050  | kW    | 1.86    | 1.85  | 1.85                                 | 1.9   | 2.10  | 2.09  | 2.09  | 2.1   | 2.36  | 2.36  | 2.36  | 2.4   | 2.65  | 2.65  | 2.64  | 2.7   | 2.97  | 2.97  | 2.97  | 3.0   | 3.35  | 3.35  | 3.34  | 3.4   | 3.35  | 3.35  | 3.34  | 3.4   |  |  |  |  |
|       | Amps  | 7.47    | 7.46  | 7.44                                 | 7.5   | 8.56  | 8.55  | 8.54  | 8.6   | 9.78  | 9.77  | 9.76  | 9.8   | 11.10 | 11.10 | 11.08 | 11.2  | 12.58 | 12.57 | 12.55 | 12.6  | 14.31 | 14.30 | 14.28 | 14.4  | 14.31 | 14.30 | 14.28 | 14.4  |  |  |  |  |
|       | Hi PR | 281     | 282   | 284                                  | 289.0 | 325   | 326   | 328   | 332.8 | 371   | 372   | 374   | 378.7 | 420   | 421   | 423   | 428.2 | 474   | 475   | 477   | 481.5 | 530   | 532   | 534   | 538.4 | 530   | 532   | 534   | 538.4 |  |  |  |  |
|       | Lo PR | 129     | 131   | 134                                  | 139.1 | 137   | 138   | 141   | 146.8 | 143   | 145   | 148   | 153.6 | 149   | 151   | 154   | 159.3 | 155   | 156   | 159   | 164.9 | 162   | 163   | 166   | 171.9 | 162   | 163   | 166   | 171.9 |  |  |  |  |
|       | MbH   | 29.1    | 29.5  | 30.3                                 | 31.6  | 28.8  | 29.2  | 30.1  | 31.3  | 28.1  | 28.5  | 29.3  | 30.6  | 26.8  | 27.2  | 28.0  | 29.3  | 25.2  | 25.6  | 26.5  | 27.8  | 23.8  | 24.2  | 25.1  | 26.4  | 23.8  | 24.2  | 25.1  | 26.4  |  |  |  |  |
|       | S/T   | 1.00    | 0.90  | 0.76                                 | 0.6   | 1.00  | 0.91  | 0.77  | 0.6   | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7   | 1.00  | 1.00  | 0.84  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   |  |  |  |  |
|       | ΔT    | 23.84   | 22.18 | 19.07                                | 15.8  | 23.79 | 22.13 | 19.02 | 15.8  | 24.03 | 22.36 | 19.26 | 16.0  | 23.78 | 22.11 | 19.00 | 15.8  | 23.55 | 21.89 | 18.78 | 15.6  | 24.60 | 22.93 | 19.82 | 16.6  | 24.60 | 22.93 | 19.82 | 16.6  |  |  |  |  |
|       | kW    | 1.86    | 1.86  | 1.86                                 | 1.9   | 2.10  | 2.10  | 2.10  | 2.1   | 2.37  | 2.37  | 2.36  | 2.4   | 2.66  | 2.65  | 2.65  | 2.7   | 2.98  | 2.98  | 2.97  | 3.0   | 3.36  | 3.35  | 3.35  | 3.4   | 3.36  | 3.35  | 3.35  | 3.4   |  |  |  |  |
|       | Amps  | 7.50    | 7.49  | 7.47                                 | 7.6   | 8.59  | 8.58  | 8.56  | 8.6   | 9.81  | 9.80  | 9.78  | 9.9   | 11.13 | 11.12 | 11.10 | 11.2  | 12.61 | 12.60 | 12.58 | 12.7  | 14.34 | 14.33 | 14.31 | 14.4  | 14.34 | 14.33 | 14.31 | 14.4  |  |  |  |  |
|       | Hi PR | 282     | 283   | 285                                  | 290.3 | 326   | 327   | 329   | 334.1 | 372   | 373   | 375   | 380.1 | 422   | 423   | 425   | 429.5 | 475   | 476   | 478   | 482.8 | 532   | 533   | 535   | 539.8 | 532   | 533   | 535   | 539.8 |  |  |  |  |
| Lo PR | 130   | 132     | 135   | 140.3                                | 138   | 139   | 143   | 148.0 | 145   | 146   | 149   | 154.7 | 150   | 152   | 155   | 160.4 | 156   | 157   | 161   | 166.0 | 163   | 164   | 168   | 173.0 | 163   | 164   | 168   | 173.0 |       |  |  |  |  |

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 85    | MbH   | 28.8  | 29.2  | 30.1  | 31.3  | 28.6  | 29.0  | 29.8  | 31.1  | 27.8  | 28.2  | 29.1  | 30.4  | 26.6  | 26.9  | 27.8  | 29.1  | 25.0  | 25.4  | 26.2  | 27.5  | 23.6  | 24.0  | 24.8  | 26.1  |
|       | S/T   | 1.00  | 0.89  | 0.75  | 0.6   | 1.00  | 1.00  | 0.76  | 0.6   | 1.00  | 1.00  | 0.78  | 0.6   | 1.00  | 1.00  | 0.80  | 0.7   | 1.00  | 1.00  | 1.00  | 0.7   | 1.00  | 1.00  | 0.7   |       |
|       | ΔT    | 29.00 | 27.33 | 24.23 | 21.0  | 28.95 | 27.29 | 24.18 | 21.0  | 29.19 | 27.52 | 24.41 | 21.2  | 28.94 | 27.27 | 24.16 | 20.9  | 28.71 | 27.05 | 23.94 | 20.7  | 29.76 | 28.09 | 24.98 | 21.8  |
|       | kW    | 1.84  | 1.84  | 1.84  | 1.9   | 2.08  | 2.08  | 2.08  | 2.1   | 2.35  | 2.35  | 2.34  | 2.4   | 2.64  | 2.64  | 2.63  | 2.6   | 2.96  | 2.96  | 2.95  | 3.0   | 3.34  | 3.34  | 3.33  | 3.4   |
|       | Amps  | 7.41  | 7.40  | 7.39  | 7.5   | 8.51  | 8.50  | 8.48  | 8.6   | 9.73  | 9.72  | 9.70  | 9.8   | 11.05 | 11.04 | 11.02 | 11.1  | 12.52 | 12.51 | 12.49 | 12.6  | 14.25 | 14.24 | 14.22 | 14.3  |
|       | Hi PR | 279   | 280   | 282   | 287.1 | 323   | 324   | 326   | 330.9 | 369   | 370   | 372   | 376.9 | 418   | 420   | 421   | 426.3 | 472   | 473   | 475   | 479.6 | 529   | 530   | 532   | 536.6 |
|       | Lo PR | 128   | 130   | 133   | 138.6 | 136   | 138   | 141   | 146.3 | 143   | 144   | 148   | 153.0 | 149   | 150   | 153   | 158.7 | 154   | 156   | 159   | 164.3 | 161   | 163   | 166   | 171.3 |
|       | MbH   | 29.3  | 29.7  | 30.5  | 31.8  | 29.0  | 29.4  | 30.3  | 31.6  | 28.3  | 28.7  | 29.5  | 30.8  | 27.0  | 27.4  | 28.3  | 29.6  | 25.5  | 25.9  | 26.7  | 28.0  | 24.1  | 24.5  | 25.3  | 26.6  |
|       | S/T   | 1.00  | 0.98  | 0.84  | 0.7   | 1.00  | 1.00  | 0.85  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   | 1.00  | 1.00  | 0.89  | 0.7   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 0.8   |       |
|       | ΔT    | 27.61 | 25.94 | 22.83 | 19.6  | 27.56 | 25.90 | 22.79 | 19.6  | 27.79 | 26.13 | 23.02 | 19.8  | 27.54 | 25.88 | 22.77 | 19.6  | 27.32 | 25.66 | 22.55 | 19.3  | 28.36 | 26.70 | 23.59 | 20.4  |
|       | kW    | 1.86  | 1.86  | 1.85  | 1.9   | 2.10  | 2.10  | 2.09  | 2.1   | 2.37  | 2.36  | 2.36  | 2.4   | 2.65  | 2.65  | 2.65  | 2.7   | 2.98  | 2.98  | 2.97  | 3.0   | 3.36  | 3.35  | 3.35  | 3.4   |
|       | Amps  | 7.49  | 7.48  | 7.46  | 7.5   | 8.58  | 8.58  | 8.56  | 8.6   | 9.80  | 9.80  | 9.78  | 9.9   | 11.12 | 11.12 | 11.10 | 11.2  | 12.60 | 12.59 | 12.57 | 12.7  | 14.33 | 14.32 | 14.30 | 14.4  |
|       | Hi PR | 282   | 283   | 285   | 290.3 | 326   | 327   | 329   | 334.1 | 372   | 373   | 375   | 380.1 | 422   | 423   | 425   | 429.5 | 475   | 476   | 478   | 482.8 | 532   | 533   | 535   | 539.7 |
|       | Lo PR | 131   | 132   | 136   | 141.0 | 139   | 140   | 143   | 148.7 | 145   | 147   | 150   | 155.5 | 151   | 153   | 156   | 161.2 | 157   | 158   | 161   | 166.8 | 164   | 165   | 168   | 173.8 |
|       | MbH   | 29.5  | 29.9  | 30.8  | 32.1  | 29.3  | 29.7  | 30.5  | 31.8  | 28.5  | 28.9  | 29.8  | 31.1  | 27.3  | 27.7  | 28.5  | 29.8  | 25.7  | 26.1  | 27.0  | 28.3  | 24.3  | 24.7  | 25.6  | 26.8  |
|       | S/T   | 1.00  | 1.00  | 0.86  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   | 1.00  | 1.00  | 0.90  | 0.7   | 1.00  | 1.00  | 0.92  | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 0.8   |       |
|       | ΔT    | 27.11 | 25.44 | 22.34 | 19.1  | 27.06 | 25.40 | 22.29 | 19.1  | 27.30 | 25.63 | 22.52 | 19.3  | 27.05 | 25.38 | 22.27 | 19.1  | 26.82 | 25.16 | 22.05 | 18.8  | 27.87 | 26.20 | 23.09 | 19.9  |
|       | kW    | 1.87  | 1.87  | 1.86  | 1.9   | 2.11  | 2.10  | 2.10  | 2.1   | 2.37  | 2.37  | 2.37  | 2.4   | 2.66  | 2.66  | 2.65  | 2.7   | 2.98  | 2.98  | 2.98  | 3.0   | 3.36  | 3.36  | 3.36  | 3.4   |
|       | Amps  | 7.52  | 7.51  | 7.49  | 7.6   | 8.61  | 8.60  | 8.58  | 8.7   | 9.83  | 9.82  | 9.80  | 9.9   | 11.15 | 11.14 | 11.13 | 11.2  | 12.63 | 12.62 | 12.60 | 12.7  | 14.36 | 14.35 | 14.33 | 14.4  |
|       | Hi PR | 284   | 285   | 287   | 291.6 | 327   | 329   | 331   | 335.4 | 373   | 375   | 377   | 381.4 | 423   | 424   | 426   | 430.8 | 476   | 477   | 479   | 484.1 | 533   | 534   | 536   | 541.1 |
| Lo PR | 132   | 134   | 137   | 142.2 | 140   | 141   | 144   | 149.9 | 146   | 148   | 151   | 156.6 | 152   | 154   | 157   | 162.3 | 158   | 159   | 163   | 167.9 | 165   | 166   | 170   | 174.9 |       |

IDB: Entering Indoor Dry Bulb Temperature

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

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

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 75    | 1050  | MbH   | 35.8  | 36.3  | 37.4  | 39.0  | 35.5  | 36.0  | 37.1  | 38.7  | 34.6  | 35.1  | 36.2  | 37.8  | 33.0  | 33.5  | 34.5  | 36.2  | 31.0  | 31.5  | 32.6  | 34.2  | 29.2  | 29.7  | 30.8  | 32.4  |     |
|       |       | S/T   | 0.76  | 0.68  | 0.54  | 0.4   | 1.00  | 0.69  | 0.55  | 0.4   | 1.00  | 0.71  | 0.57  | 0.4   | 1.00  | 0.73  | 0.59  | 0.4   | 1.00  | 1.00  | 0.62  | 0.5   | 1.00  | 1.00  | 0.67  | 0.5   |     |
|       |       | ΔT    | 23.62 | 21.80 | 18.41 | 14.9  | 23.57 | 21.75 | 18.36 | 14.9  | 23.82 | 22.01 | 18.62 | 15.1  | 23.55 | 21.73 | 18.35 | 14.8  | 23.31 | 21.49 | 18.10 | 14.6  | 24.44 | 22.63 | 19.24 | 15.7  |     |
|       |       | kW    | 2.35  | 2.35  | 2.34  | 2.4   | 2.65  | 2.64  | 2.64  | 2.7   | 2.98  | 2.98  | 2.97  | 3.0   | 3.34  | 3.34  | 3.34  | 3.33  | 3.4   | 3.74  | 3.74  | 3.73  | 3.8   | 4.21  | 4.21  | 4.20  | 4.2 |
|       |       | Amps  | 9.41  | 9.40  | 9.38  | 9.5   | 10.77 | 10.76 | 10.74 | 10.8  | 12.30 | 12.28 | 12.26 | 12.4  | 13.94 | 13.93 | 13.91 | 14.0  | 15.78 | 15.77 | 15.75 | 15.8  | 17.94 | 17.93 | 17.90 | 18.0  |     |
|       |       | Hi PR | 82    | 82    | 83    | 84.2  | 95    | 95    | 96    | 97.1  | 108   | 109   | 109   | 110.7 | 123   | 123   | 124   | 125.2 | 139   | 139   | 139   | 140.9 | 155   | 156   | 156   | 157.7 |     |
|       | Lo PR | 129   | 130   | 134   | 139.1 | 137   | 138   | 141   | 147.0 | 143   | 145   | 148   | 153.8 | 149   | 151   | 154   | 159.6 | 155   | 157   | 160   | 165.3 | 162   | 164   | 167   | 172.5 |       |     |
|       | 1200  | MbH   | 36.3  | 36.8  | 37.9  | 39.5  | 36.0  | 36.5  | 37.6  | 39.2  | 35.0  | 35.6  | 36.6  | 38.3  | 33.4  | 33.9  | 35.0  | 36.6  | 31.5  | 32.0  | 33.0  | 34.7  | 29.7  | 30.2  | 31.3  | 32.9  |     |
|       |       | S/T   | 0.82  | 0.74  | 0.60  | 0.5   | 1.00  | 0.75  | 0.61  | 0.5   | 1.00  | 0.78  | 0.64  | 0.5   | 1.00  | 0.80  | 0.66  | 0.5   | 1.00  | 1.00  | 0.68  | 0.5   | 1.00  | 1.00  | 0.73  | 0.6   |     |
|       |       | ΔT    | 22.52 | 20.71 | 17.32 | 13.8  | 22.47 | 20.66 | 17.27 | 13.8  | 22.73 | 20.91 | 17.52 | 14.0  | 22.45 | 20.64 | 17.25 | 13.7  | 22.21 | 20.40 | 17.01 | 13.5  | 23.35 | 21.53 | 18.14 | 14.6  |     |
|       |       | kW    | 2.36  | 2.36  | 2.36  | 2.4   | 2.66  | 2.66  | 2.65  | 2.7   | 2.99  | 2.99  | 2.99  | 3.0   | 3.35  | 3.35  | 3.35  | 3.4   | 3.76  | 3.75  | 3.75  | 3.8   | 4.23  | 4.22  | 4.22  | 4.2   |     |
|       |       | Amps  | 9.48  | 9.47  | 9.45  | 9.6   | 10.85 | 10.83 | 10.81 | 10.9  | 12.37 | 12.36 | 12.33 | 12.4  | 14.01 | 14.00 | 13.98 | 14.1  | 15.85 | 15.84 | 15.82 | 15.9  | 18.01 | 18.00 | 17.97 | 18.1  |     |
| Hi PR |       | 83    | 83    | 83    | 84.9  | 95    | 96    | 96    | 97.8  | 109   | 109   | 110   | 111.4 | 124   | 124   | 124   | 125.9 | 139   | 140   | 140   | 141.6 | 156   | 156   | 157   | 158.4 |       |     |
| Lo PR | 131   | 132   | 136   | 141.0 | 139   | 140   | 143   | 148.9 | 145   | 147   | 150   | 155.7 | 151   | 153   | 156   | 161.5 | 157   | 158   | 162   | 167.2 | 164   | 166   | 169   | 174.4 |       |       |     |
| 1350  | MbH   | 36.9  | 37.4  | 38.4  | 40.1  | 36.5  | 37.1  | 38.1  | 39.8  | 35.6  | 36.1  | 37.2  | 38.8  | 34.0  | 34.5  | 35.6  | 37.2  | 32.0  | 32.5  | 33.6  | 35.2  | 30.2  | 30.7  | 31.8  | 33.5  |       |     |
|       | S/T   | 0.86  | 0.78  | 0.64  | 0.5   | 1.00  | 0.78  | 0.64  | 0.5   | 1.00  | 0.81  | 0.67  | 0.5   | 1.00  | 1.00  | 0.69  | 0.5   | 1.00  | 1.00  | 0.71  | 0.6   | 1.00  | 1.00  | 0.77  | 0.6   |       |     |
|       | ΔT    | 21.60 | 19.78 | 16.39 | 12.9  | 21.55 | 19.73 | 16.34 | 12.8  | 21.80 | 19.99 | 16.60 | 13.1  | 21.53 | 19.71 | 16.33 | 12.8  | 21.29 | 19.47 | 16.08 | 12.6  | 22.42 | 20.61 | 17.22 | 13.7  |       |     |
|       | kW    | 2.38  | 2.37  | 2.37  | 2.4   | 2.67  | 2.67  | 2.67  | 2.7   | 3.01  | 3.00  | 3.00  | 3.0   | 3.37  | 3.36  | 3.36  | 3.4   | 3.77  | 3.77  | 3.76  | 3.8   | 4.24  | 4.24  | 4.23  | 4.3   |       |     |
|       | Amps  | 9.54  | 9.53  | 9.51  | 9.6   | 10.90 | 10.89 | 10.87 | 11.0  | 12.43 | 12.41 | 12.39 | 12.5  | 14.07 | 14.06 | 14.04 | 14.1  | 15.91 | 15.90 | 15.88 | 16.0  | 18.07 | 18.06 | 18.03 | 18.1  |       |     |
|       | Hi PR | 83    | 84    | 84    | 85.6  | 96    | 97    | 97    | 98.5  | 110   | 110   | 111   | 112.0 | 124   | 125   | 125   | 126.6 | 140   | 140   | 141   | 142.3 | 157   | 157   | 158   | 159.0 |       |     |
| Lo PR | 133   | 134   | 138   | 143.1 | 141   | 142   | 145   | 151.0 | 147   | 149   | 152   | 157.8 | 153   | 155   | 158   | 163.6 | 159   | 161   | 164   | 169.3 | 166   | 168   | 171   | 176.5 |       |       |     |

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

Shaded area reflects ACCA (TVA) conditions.

| IDB   |       | AIRFLOW |       | OUTDOOR AMBIENT TEMPERATURE          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |
|-------|-------|---------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
|       |       |         |       | 65                                   |       |       |       |       | 75    |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |  |  |  |
|       |       |         |       | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |
| 59    | 63    | 67      | 71    | 59                                   | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    |       |       |       |  |  |  |
| 80    | 1050  | MBh     | 36.0  | 36.5                                 | 37.6  | 39.2  | 35.7  | 36.2  | 37.3  | 38.9  | 34.8  | 35.3  | 36.3  | 38.0  | 33.2  | 33.7  | 34.7  | 36.4  | 31.2  | 31.7  | 32.8  | 34.4  | 29.4  | 29.9  | 31.0  | 32.6  | 1.00  | 0.81  | 0.67  | 0.5   |  |  |  |
|       |       | S/T     | 1.00  | 0.81                                 | 0.67  | 0.5   | 1.00  | 0.82  | 0.68  | 0.5   | 1.00  | 1.00  | 0.70  | 0.6   | 1.00  | 1.00  | 0.72  | 0.6   | 1.00  | 1.00  | 0.75  | 0.6   | 1.00  | 1.00  | 1.00  | 0.7   | 27.64 | 25.82 | 22.43 | 18.9  |  |  |  |
|       |       | ΔT      | 27.64 | 25.82                                | 22.43 | 18.9  | 27.59 | 25.77 | 22.38 | 18.9  | 27.84 | 26.03 | 22.64 | 19.1  | 27.57 | 25.75 | 22.36 | 18.9  | 27.33 | 25.51 | 22.12 | 18.6  | 28.46 | 26.65 | 23.26 | 19.7  | 2.35  | 2.35  | 2.34  | 2.4   |  |  |  |
|       |       | kW      | 2.35  | 2.35                                 | 2.34  | 2.4   | 2.65  | 2.65  | 2.64  | 2.7   | 2.98  | 2.98  | 2.97  | 3.0   | 3.34  | 3.34  | 3.33  | 3.4   | 3.74  | 3.74  | 3.73  | 3.8   | 4.21  | 4.21  | 4.21  | 4.2   | 9.42  | 9.41  | 9.39  | 9.5   |  |  |  |
|       |       | Amps    | 9.42  | 9.41                                 | 9.39  | 9.5   | 10.78 | 10.77 | 10.75 | 10.9  | 12.30 | 12.29 | 12.27 | 12.4  | 13.95 | 13.94 | 13.91 | 14.0  | 15.79 | 15.78 | 15.75 | 15.9  | 17.94 | 17.93 | 17.91 | 18.0  | Hi PR | 82    | 83    | 84.4  |  |  |  |
|       | Hi PR | 82      | 83    | 84                                   | 84.4  | 95    | 95    | 96    | 97.3  | 108   | 109   | 110.8 | 123   | 123   | 123   | 124   | 125.4 | 139   | 139   | 140   | 141.1 | 155   | 156   | 156   | 157.8 | Lo PR | 129   | 131   | 134   | 139.7 |  |  |  |
|       | Lo PR | 129     | 131   | 134                                  | 139.7 | 137   | 139   | 142   | 147.6 | 144   | 146   | 149   | 154.4 | 150   | 151   | 155   | 160.2 | 156   | 157   | 160   | 165.9 | 163   | 164   | 168   | 173.0 | MBh   | 36.5  | 37.0  | 38.1  | 39.7  |  |  |  |
|       | 1200  | MBh     | 36.5  | 37.0                                 | 38.1  | 39.7  | 36.2  | 36.7  | 37.7  | 39.4  | 35.2  | 35.7  | 36.8  | 38.4  | 33.6  | 34.1  | 35.2  | 36.8  | 31.7  | 32.2  | 33.2  | 34.9  | 29.9  | 30.4  | 31.4  | 33.1  | 1.00  | 0.87  | 0.73  | 0.6   |  |  |  |
|       |       | S/T     | 1.00  | 0.87                                 | 0.73  | 0.6   | 1.00  | 0.88  | 0.74  | 0.6   | 1.00  | 1.00  | 0.77  | 0.6   | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7   | 1.00  | 1.00  | 1.00  | 0.7   | 26.54 | 24.72 | 21.34 | 17.8  |  |  |  |
|       |       | ΔT      | 26.54 | 24.72                                | 21.34 | 17.8  | 26.49 | 24.67 | 21.29 | 17.8  | 26.75 | 24.93 | 21.54 | 18.0  | 26.47 | 24.66 | 21.27 | 17.8  | 26.23 | 24.41 | 21.02 | 17.5  | 27.37 | 25.55 | 22.16 | 18.6  | 2.37  | 2.36  | 2.36  | 2.4   |  |  |  |
| kW    |       | 2.37    | 2.36  | 2.36                                 | 2.4   | 2.66  | 2.66  | 2.66  | 2.7   | 3.00  | 2.99  | 2.99  | 3.0   | 3.36  | 3.35  | 3.35  | 3.4   | 3.76  | 3.75  | 3.75  | 3.8   | 4.23  | 4.23  | 4.22  | 4.2   | 9.49  | 9.48  | 9.46  | 9.6   |       |  |  |  |
| Amps  |       | 9.49    | 9.48  | 9.46                                 | 9.6   | 10.85 | 10.84 | 10.82 | 10.9  | 12.37 | 12.36 | 12.34 | 12.4  | 14.02 | 14.01 | 13.98 | 14.1  | 15.86 | 15.85 | 15.82 | 15.9  | 18.01 | 18.00 | 17.98 | 18.1  | Hi PR | 83    | 83    | 84    | 85.1  |  |  |  |
| Hi PR | 83    | 83      | 84    | 85.1                                 | 96    | 96    | 97    | 98.0  | 109   | 110   | 110   | 111.5 | 124   | 124   | 124   | 125.4 | 139   | 140   | 140   | 141.8 | 156   | 157   | 157   | 158.5 | Lo PR | 131   | 133   | 136   | 141.6 |       |  |  |  |
| Lo PR | 131   | 133     | 136   | 141.6                                | 139   | 141   | 144   | 149.4 | 146   | 148   | 151   | 156.3 | 152   | 153   | 157   | 162.1 | 157   | 159   | 162   | 167.8 | 165   | 166   | 169   | 174.9 | MBh   | 37.1  | 37.6  | 38.6  | 40.3  |       |  |  |  |
| 1350  | 1050  | MBh     | 37.1  | 37.6                                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |  |

IDB: Entering Indoor Dry Bulb Temperature

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

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

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

|      |         | OUTDOOR AMBIENT TEMPERATURE          |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |   |
|------|---------|--------------------------------------|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|---|
|      |         | 65                                   |       |       |       | 75  |       |       |       | 85  |       |       |       | 95  |       |       |       | 105 |       |       |       | 115 |       |       |       |   |
|      |         | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |   |
| IDB  | AIRFLOW | 59                                   | 63    | 67    | 71    | 59  | 63    | 67    | 71    | 59  | 63    | 67    | 71    | 59  | 63    | 67    | 71    | 59  | 63    | 67    | 71    | 59  | 63    | 67    | 71    |   |
| 70   | 1300    | MBh                                  | 40.2  | 40.8  | 41.9  | -   | 39.8  | 40.4  | 41.6  | -   | 38.8  | 39.4  | 40.6  | -   | 37.0  | 37.6  | 38.8  | -   | 34.8  | 35.4  | 36.6  | -   | 32.9  | 33.4  | 34.6  | - |
|      |         | S/T                                  | 0.69  | 0.61  | 0.47  | -   | 0.69  | 0.62  | 0.48  | -   | 0.72  | 0.64  | 0.50  | -   | 1.00  | 0.66  | 0.52  | -   | 1.00  | 0.69  | 0.54  | -   | 1.00  | 0.74  | 0.60  | - |
|      |         | ΔT                                   | 18.53 | 16.72 | 13.33 | -   | 18.48 | 16.67 | 13.28 | -   | 18.74 | 16.92 | 13.53 | -   | 18.46 | 16.65 | 13.26 | -   | 18.22 | 16.40 | 13.02 | -   | 19.36 | 17.54 | 14.15 | - |
|      |         | kW                                   | 2.64  | 2.64  | 2.63  | -   | 2.96  | 2.96  | 2.95  | -   | 3.32  | 3.32  | 3.32  | -   | 3.72  | 3.71  | 3.71  | -   | 4.16  | 4.15  | 4.15  | -   | 4.67  | 4.67  | 4.66  | - |
|      |         | Amps                                 | 10.57 | 10.56 | 10.54 | -   | 12.06 | 12.05 | 12.02 | -   | 13.72 | 13.71 | 13.68 | -   | 15.52 | 15.50 | 15.48 | -   | 17.52 | 17.51 | 17.48 | -   | 19.87 | 19.86 | 19.84 | - |
|      |         | Hi PR                                | 281   | 282   | 284   | -   | 325   | 326   | 328   | -   | 371   | 372   | 374   | -   | 420   | 422   | 424   | -   | 474   | 475   | 477   | -   | 531   | 532   | 534   | - |
|      | Lo PR   | 129                                  | 130   | 133   | -     | 136 | 138   | 141   | -     | 143 | 145   | 148   | -     | 149 | 150   | 154   | -     | 154 | 156   | 159   | -     | 161 | 163   | 166   | -     |   |
| 70   | 1400    | MBh                                  | 40.6  | 41.1  | 42.3  | -   | 40.2  | 40.8  | 42.0  | -   | 39.2  | 39.7  | 40.9  | -   | 37.4  | 38.0  | 39.1  | -   | 35.2  | 35.8  | 37.0  | -   | 33.2  | 33.8  | 35.0  | - |
|      |         | S/T                                  | 0.71  | 0.63  | 0.49  | -   | 0.72  | 0.64  | 0.50  | -   | 1.00  | 0.67  | 0.53  | -   | 1.00  | 0.69  | 0.55  | -   | 1.00  | 0.71  | 0.57  | -   | 1.00  | 1.00  | 0.62  | - |
|      |         | ΔT                                   | 17.95 | 16.13 | 12.74 | -   | 17.90 | 16.08 | 12.69 | -   | 18.15 | 16.34 | 12.95 | -   | 17.88 | 16.06 | 12.67 | -   | 17.64 | 15.82 | 12.43 | -   | 18.77 | 16.96 | 13.57 | - |
|      |         | kW                                   | 2.65  | 2.64  | 2.64  | -   | 2.97  | 2.97  | 2.96  | -   | 3.33  | 3.33  | 3.33  | -   | 3.73  | 3.72  | 3.72  | -   | 4.16  | 4.16  | 4.16  | -   | 4.68  | 4.68  | 4.67  | - |
|      |         | Amps                                 | 10.62 | 10.60 | 10.58 | -   | 12.10 | 12.09 | 12.06 | -   | 13.76 | 13.75 | 13.72 | -   | 15.56 | 15.54 | 15.52 | -   | 17.56 | 17.55 | 17.52 | -   | 19.92 | 19.90 | 19.88 | - |
|      |         | Hi PR                                | 282   | 283   | 285   | -   | 326   | 327   | 329   | -   | 372   | 373   | 375   | -   | 422   | 423   | 425   | -   | 475   | 476   | 478   | -   | 532   | 533   | 535   | - |
|      | Lo PR   | 130                                  | 131   | 135   | -     | 138 | 139   | 142   | -     | 144 | 146   | 149   | -     | 150 | 152   | 155   | -     | 156 | 157   | 160   | -     | 163 | 164   | 167   | -     |   |
| 1575 |         | MBh                                  | 41.3  | 41.9  | 43.1  | -   | 41.0  | 41.5  | 42.7  | -   | 39.9  | 40.5  | 41.7  | -   | 38.2  | 38.7  | 39.9  | -   | 36.0  | 36.5  | 37.7  | -   | 34.0  | 34.6  | 35.7  | - |
|      |         | S/T                                  | 0.73  | 0.66  | 0.52  | -   | 0.74  | 0.66  | 0.52  | -   | 1.00  | 0.69  | 0.55  | -   | 1.00  | 0.71  | 0.57  | -   | 1.00  | 0.73  | 0.59  | -   | 1.00  | 1.00  | 0.64  | - |
|      |         | ΔT                                   | 17.03 | 15.22 | 11.83 | -   | 16.98 | 15.17 | 11.78 | -   | 17.24 | 15.42 | 12.03 | -   | 16.96 | 15.15 | 11.76 | -   | 16.72 | 14.91 | 11.52 | -   | 17.86 | 16.04 | 12.65 | - |
|      |         | kW                                   | 2.66  | 2.66  | 2.65  | -   | 2.99  | 2.98  | 2.98  | -   | 3.35  | 3.35  | 3.34  | -   | 3.74  | 3.74  | 3.73  | -   | 4.18  | 4.18  | 4.17  | -   | 4.69  | 4.69  | 4.68  | - |
|      |         | Amps                                 | 10.68 | 10.67 | 10.64 | -   | 12.17 | 12.15 | 12.13 | -   | 13.82 | 13.81 | 13.79 | -   | 15.62 | 15.61 | 15.58 | -   | 17.63 | 17.61 | 17.59 | -   | 19.98 | 19.97 | 19.94 | - |
|      |         | Hi PR                                | 285   | 286   | 288   | -   | 329   | 330   | 332   | -   | 375   | 376   | 378   | -   | 424   | 425   | 427   | -   | 478   | 479   | 481   | -   | 535   | 536   | 538   | - |
|      | Lo PR   | 132                                  | 134   | 137   | -     | 140 | 142   | 145   | -     | 147 | 148   | 152   | -     | 152 | 154   | 157   | -     | 158 | 160   | 163   | -     | 165 | 167   | 170   | -     |   |

IDB: Entering Indoor Dry Bulb Temperature

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

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

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

| IDB   |       | AIRFLOW |       | OUTDOOR AMBIENT TEMPERATURE          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |  |     |  |  |  |  |
|-------|-------|---------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--|-----|--|--|--|--|
|       |       |         |       | 65                                   |       |       |       |       | 75    |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |    |  | 115 |  |  |  |  |
|       |       |         |       | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |    |  |     |  |  |  |  |
| 59    | 63    | 67      | 71    | 59                                   | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71 |  |     |  |  |  |  |
| 80    | 1300  | MBh     | 40.4  | 41.0                                 | 42.2  | 44.0  | 40.1  | 40.6  | 41.8  | 43.6  | 39.0  | 39.6  | 40.8  | 42.6  | 37.3  | 37.8  | 39.0  | 40.8  | 35.1  | 35.6  | 36.8  | 38.6  | 33.1  | 33.6  | 34.8  | 36.6  |    |  |     |  |  |  |  |
|       |       | S/T     | 1.00  | 0.87                                 | 0.73  | 0.6   | 1.00  | 0.88  | 0.74  | 0.6   | 1.00  | 0.91  | 0.77  | 0.6   | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7   | 1.00  | 1.00  | 0.86  | 0.7   |    |  |     |  |  |  |  |
|       |       | ΔT      | 26.54 | 24.72                                | 21.34 | 17.8  | 26.49 | 24.67 | 21.29 | 17.8  | 26.75 | 24.93 | 21.54 | 18.0  | 26.47 | 24.66 | 21.27 | 17.8  | 26.23 | 24.41 | 21.02 | 17.5  | 27.37 | 25.55 | 22.16 | 18.6  |    |  |     |  |  |  |  |
|       |       | kW      | 2.64  | 2.63                                 | 2.63  | 2.7   | 2.96  | 2.96  | 2.95  | 3.0   | 3.32  | 3.32  | 3.32  | 3.3   | 3.72  | 3.71  | 3.71  | 3.7   | 4.15  | 4.15  | 4.15  | 4.2   | 4.67  | 4.67  | 4.66  | 4.7   |    |  |     |  |  |  |  |
|       |       | Amps    | 10.57 | 10.56                                | 10.54 | 10.6  | 12.06 | 12.05 | 12.02 | 12.1  | 13.72 | 13.71 | 13.68 | 13.8  | 15.51 | 15.50 | 15.48 | 15.6  | 17.52 | 17.51 | 17.48 | 17.6  | 19.87 | 19.86 | 19.84 | 19.9  |    |  |     |  |  |  |  |
|       |       | Hi PR   | 282   | 283                                  | 285   | 289.6 | 326   | 327   | 329   | 333.5 | 372   | 373   | 375   | 379.6 | 421   | 422   | 424   | 429.1 | 475   | 476   | 478   | 482.6 | 532   | 533   | 535   | 539.6 |    |  |     |  |  |  |  |
|       |       | Lo PR   | 129   | 131                                  | 134   | 139.4 | 137   | 138   | 142   | 147.1 | 144   | 145   | 148   | 153.9 | 149   | 151   | 154   | 159.6 | 155   | 157   | 160   | 165.2 | 162   | 164   | 167   | 172.2 |    |  |     |  |  |  |  |
|       |       | MBh     | 40.8  | 41.4                                 | 42.5  | 44.4  | 40.4  | 41.0  | 42.2  | 44.0  | 39.4  | 40.0  | 41.2  | 43.0  | 37.6  | 38.2  | 39.4  | 41.2  | 35.4  | 36.0  | 37.2  | 39.0  | 33.5  | 34.0  | 35.2  | 37.0  |    |  |     |  |  |  |  |
|       |       | S/T     | 1.00  | 0.90                                 | 0.76  | 0.6   | 1.00  | 0.90  | 0.76  | 0.6   | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7   | 1.00  | 1.00  | 0.83  | 0.7   | 1.00  | 1.00  | 1.00  | 0.7   |    |  |     |  |  |  |  |
|       |       | ΔT      | 25.96 | 24.14                                | 20.75 | 17.2  | 25.91 | 24.09 | 20.70 | 17.2  | 26.16 | 24.35 | 20.96 | 17.4  | 25.89 | 24.07 | 20.68 | 17.2  | 25.65 | 23.83 | 20.44 | 16.9  | 26.78 | 24.97 | 21.58 | 18.1  |    |  |     |  |  |  |  |
| 1400  | kW    | 2.65    | 2.64  | 2.64                                 | 2.7   | 2.97  | 2.97  | 2.96  | 3.0   | 3.33  | 3.33  | 3.33  | 3.4   | 3.73  | 3.72  | 3.72  | 3.7   | 4.16  | 4.16  | 4.16  | 4.2   | 4.68  | 4.68  | 4.67  | 4.7   |       |    |  |     |  |  |  |  |
|       | Amps  | 10.61   | 10.60 | 10.58                                | 10.7  | 12.10 | 12.09 | 12.06 | 12.2  | 13.76 | 13.75 | 13.72 | 13.8  | 15.55 | 15.54 | 15.52 | 15.6  | 17.56 | 17.55 | 17.52 | 17.6  | 19.91 | 19.90 | 19.88 | 20.0  |       |    |  |     |  |  |  |  |
|       | Hi PR | 283     | 284   | 286                                  | 291.0 | 327   | 328   | 330   | 334.9 | 373   | 374   | 376   | 381.0 | 423   | 424   | 426   | 430.5 | 476   | 477   | 479   | 484.0 | 533   | 534   | 536   | 541.0 |       |    |  |     |  |  |  |  |
|       | Lo PR | 130     | 132   | 135                                  | 140.7 | 138   | 140   | 143   | 148.4 | 145   | 146   | 150   | 155.1 | 151   | 152   | 155   | 160.8 | 156   | 158   | 161   | 166.4 | 163   | 165   | 168   | 173.5 |       |    |  |     |  |  |  |  |
|       | MBh   | 41.6    | 42.1  | 43.3                                 | 45.1  | 41.2  | 41.8  | 43.0  | 44.8  | 40.2  | 40.7  | 41.9  | 43.7  | 38.4  | 38.9  | 40.1  | 41.9  | 36.2  | 36.8  | 38.0  | 39.8  | 34.2  | 34.8  | 36.0  | 37.8  |       |    |  |     |  |  |  |  |
|       | S/T   | 1.00    | 0.92  | 0.78                                 | 0.6   | 1.00  | 0.92  | 0.78  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7   | 1.00  | 1.00  | 0.83  | 0.7   | 1.00  | 1.00  | 0.85  | 0.7   | 1.00  | 1.00  | 1.00  | 0.8   |       |    |  |     |  |  |  |  |
|       | ΔT    | 25.04   | 23.23 | 19.84                                | 16.3  | 24.99 | 23.18 | 19.79 | 16.3  | 25.25 | 23.43 | 20.04 | 16.5  | 24.97 | 23.16 | 19.77 | 16.3  | 24.73 | 22.92 | 19.53 | 16.0  | 25.87 | 24.05 | 20.66 | 17.2  |       |    |  |     |  |  |  |  |
|       | kW    | 2.66    | 2.66  | 2.65                                 | 2.7   | 2.98  | 2.98  | 2.98  | 3.0   | 3.35  | 3.34  | 3.34  | 3.4   | 3.74  | 3.74  | 3.73  | 3.8   | 4.18  | 4.18  | 4.17  | 4.2   | 4.69  | 4.69  | 4.68  | 4.7   |       |    |  |     |  |  |  |  |
|       | Amps  | 10.68   | 10.67 | 10.64                                | 10.8  | 12.16 | 12.15 | 12.13 | 12.2  | 13.82 | 13.81 | 13.79 | 13.9  | 15.62 | 15.61 | 15.58 | 15.7  | 17.62 | 17.61 | 17.59 | 17.7  | 19.98 | 19.97 | 19.94 | 20.1  |       |    |  |     |  |  |  |  |
|       | Hi PR | 285     | 287   | 289                                  | 293.5 | 329   | 331   | 333   | 337.4 | 375   | 377   | 379   | 383.5 | 425   | 426   | 428   | 433.0 | 478   | 480   | 482   | 486.5 | 535   | 537   | 539   | 543.5 |       |    |  |     |  |  |  |  |
| Lo PR | 133   | 134     | 138   | 143.1                                | 141   | 142   | 145   | 150.8 | 147   | 149   | 152   | 157.5 | 153   | 155   | 158   | 163.2 | 159   | 160   | 163   | 168.8 | 166   | 167   | 170   | 175.9 |       |       |    |  |     |  |  |  |  |
| 85    | 1300  | MBh     | 41.1  | 41.7                                 | 42.8  | 44.7  | 40.7  | 41.3  | 42.5  | 44.3  | 39.7  | 40.3  | 41.5  | 43.3  | 37.9  | 38.5  | 39.7  | 41.5  | 35.7  | 36.3  | 37.5  | 39.3  | 33.8  | 34.3  | 35.5  | 37.3  |    |  |     |  |  |  |  |
|       |       | S/T     | 1.00  | 0.98                                 | 0.84  | 0.7   | 1.00  | 1.00  | 0.84  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   | 1.00  | 1.00  | 0.89  | 0.7   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   |    |  |     |  |  |  |  |
|       |       | ΔT      | 30.10 | 28.29                                | 24.90 | 21.4  | 30.05 | 28.24 | 24.85 | 21.3  | 30.31 | 28.49 | 25.10 | 21.6  | 30.04 | 28.22 | 24.83 | 21.3  | 29.79 | 27.98 | 24.59 | 21.1  | 30.93 | 29.11 | 25.72 | 22.2  |    |  |     |  |  |  |  |
|       |       | kW      | 2.64  | 2.64                                 | 2.64  | 2.7   | 2.97  | 2.97  | 2.96  | 3.0   | 3.33  | 3.33  | 3.32  | 3.3   | 3.72  | 3.72  | 3.71  | 3.7   | 4.16  | 4.16  | 4.15  | 4.2   | 4.68  | 4.67  | 4.67  | 4.7   |    |  |     |  |  |  |  |
|       |       | Amps    | 10.60 | 10.59                                | 10.56 | 10.7  | 12.09 | 12.08 | 12.05 | 12.2  | 13.75 | 13.73 | 13.71 | 13.8  | 15.54 | 15.53 | 15.50 | 15.6  | 17.55 | 17.54 | 17.51 | 17.6  | 19.90 | 19.89 | 19.86 | 20.0  |    |  |     |  |  |  |  |
|       |       | Hi PR   | 283   | 284                                  | 286   | 290.9 | 327   | 328   | 330   | 334.8 | 373   | 374   | 376   | 380.9 | 422   | 424   | 426   | 430.4 | 476   | 477   | 479   | 483.9 | 533   | 534   | 536   | 540.9 |    |  |     |  |  |  |  |
|       |       | Lo PR   | 131   | 133                                  | 136   | 141.3 | 139   | 140   | 144   | 149.0 | 146   | 147   | 150   | 155.8 | 151   | 153   | 156   | 161.5 | 157   | 158   | 162   | 167.1 | 164   | 165   | 169   | 174.1 |    |  |     |  |  |  |  |
|       |       | MBh     | 41.5  | 42.0                                 | 43.2  | 45.0  | 41.1  | 41.7  | 42.9  | 44.7  | 40.1  | 40.6  | 41.8  | 43.6  | 38.3  | 38.9  | 40.0  | 41.9  | 36.1  | 36.7  | 37.9  | 39.7  | 34.1  | 34.7  | 35.9  | 37.7  |    |  |     |  |  |  |  |
|       |       | S/T     | 1.00  | 1.00                                 | 0.86  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   | 1.00  | 1.00  | 0.89  | 0.7   | 1.00  | 1.00  | 0.91  | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   |    |  |     |  |  |  |  |
|       |       | ΔT      | 29.52 | 27.70                                | 24.32 | 20.8  | 29.47 | 27.65 | 24.27 | 20.8  | 29.73 | 27.91 | 24.52 | 21.0  | 29.45 | 27.64 | 24.25 | 20.7  | 29.21 | 27.39 | 24.00 | 20.5  | 30.35 | 28.53 | 25.14 | 21.6  |    |  |     |  |  |  |  |
| 1400  | kW    | 2.65    | 2.65  | 2.64                                 | 2.7   | 2.98  | 2.97  | 2.97  | 3.0   | 3.34  | 3.34  | 3.33  | 3.4   | 3.73  | 3.73  | 3.72  | 3.7   | 4.17  | 4.17  | 4.16  | 4.2   | 4.68  | 4.68  | 4.68  | 4.7   |       |    |  |     |  |  |  |  |
|       | Amps  | 10.64   | 10.63 | 10.61                                | 10.7  | 12.13 | 12.12 | 12.09 | 12.2  | 13.79 | 13.78 | 13.75 | 13.9  | 15.58 | 15.57 | 15.55 | 15.7  | 17.59 | 17.58 | 17.55 | 17.7  | 19.94 | 19.93 | 19.90 | 20.0  |       |    |  |     |  |  |  |  |
|       | Hi PR | 284     | 285   | 287                                  | 292.3 | 328   | 329   | 331   | 336.2 | 374   | 375   | 377   | 382.3 | 424   | 425   | 427   | 431.8 | 477   | 478   | 480   | 485.3 | 534   | 536   | 537   | 542.3 |       |    |  |     |  |  |  |  |
|       | Lo PR | 132     | 134   | 137                                  | 142.6 | 140   | 142   | 145   | 150.3 | 147   | 148   | 152   | 157.0 | 153   | 154   | 157   | 162.7 | 158   | 160   | 163   | 168.3 | 165   | 167   | 170   | 175.4 |       |    |  |     |  |  |  |  |
|       | MBh   | 42.2    | 42.8  | 44.0                                 | 45.8  | 41.9  | 42.4  | 43.6  | 45.4  | 40.8  | 41.4  | 42.6  | 44.4  | 39.1  | 39.6  | 40.8  | 42.6  | 36.9  | 37.4  | 38.6  | 40.4  | 34.9  | 35.4  | 36.6  | 38.4  |       |    |  |     |  |  |  |  |
|       | S/T   | 1.00    | 1.00  | 0.88                                 | 0.7   | 1.00  | 1.00  | 0.89  | 0.7   | 1.00  | 1.00  | 0.92  | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 1.00  | 0.9   |       |    |  |     |  |  |  |  |
|       | ΔT    | 28.61   | 26.79 | 23.40                                | 19.9  | 28.56 | 26.74 | 23.35 | 19.8  | 28.81 | 27.00 | 23.61 | 20.1  | 28.54 | 26.72 | 23.33 | 19.8  | 28.29 | 26.48 | 23.09 | 19.6  | 29.43 | 27.62 | 24.23 | 20.7  |       |    |  |     |  |  |  |  |
|       | kW    | 2.67    | 2.66  | 2.66                                 | 2.7   | 2.99  | 2.99  | 2.98  | 3.0   | 3.35  | 3.35  | 3.35  | 3.4   | 3.75  | 3.74  | 3.74  | 3.8   | 4.18  | 4.18  | 4.18  | 4.2   | 4.70  | 4.70  | 4.69  | 4.7   |       |    |  |     |  |  |  |  |
|       | Amps  | 10.71   | 10.69 | 10.67                                | 10.8  | 12.19 | 12.18 | 12.16 | 12.3  | 13.85 | 13.84 | 13.81 | 13.9  | 15.65 | 15.63 | 15.61 | 15.7  | 17.65 | 17.64 | 17.62 | 17.7  | 20.01 | 19.99 | 19.97 | 20.1  |       |    |  |     |  |  |  |  |
|       | Hi PR | 287     | 288   | 290                                  | 294.8 | 331   | 332   | 334   | 338.7 | 377   | 378   | 380   | 384.8 | 426   | 428   | 429   | 434.3 | 480   | 481   | 483   | 487.8 | 537   | 538   | 540   | 544.8 |       |    |  |     |  |  |  |  |
| Lo PR | 135   | 136     | 140   | 145.0                                | 142   | 144   | 147   | 152.7 | 149   | 151   | 154   | 159.4 | 155   | 157   | 160   | 165.1 | 161   | 162   | 165   | 170.7 | 168   | 169   | 172   | 177.8 |       |       |    |  |     |  |  |  |  |

DB: Entering Indoor Dry Bulb Temperature  
High and low pressures are measured at the liquid and suction service valves.  
Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.  
KW = Total system power  
Amps = outdoor unit amps (comp.+fan)  
Shaded area reflects ACCA (TVA) conditions.

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|      |         | OUTDOOR AMBIENT TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |       |              |       |       |       |       |       |       |       |       |       |
|------|---------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |         | 65                          |       |       |       | 75    |       |       |       | 85    |       |       |       | 95    |       |              |       | 105   |       |       |       | 115   |       |       |       |
| IDB  | AIRFLOW | 59                          | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67           | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    |
| 80   | MbH     | 47.1                        | 47.7  | 49.1  | 51.3  | 46.7  | 47.3  | 48.7  | 50.8  | 45.4  | 46.1  | 47.5  | 49.6  | 43.3  | 44.0  | 45.4         | 47.5  | 40.8  | 41.4  | 42.8  | 45.0  | 38.4  | 39.1  | 40.5  | 42.6  |
|      | S/T     | 1.00                        | 0.82  | 0.68  | 0.5   | 1.00  | 0.83  | 0.69  | 0.5   | 1.00  | 0.86  | 0.71  | 0.6   | 1.00  | 1.00  | 0.73         | 0.6   | 1.00  | 1.00  | 0.76  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7   |
|      | ΔT      | 28.28                       | 26.42 | 22.95 | 19.4  | 28.23 | 26.37 | 22.90 | 19.3  | 28.49 | 26.63 | 23.16 | 19.6  | 28.21 | 26.35 | 22.88        | 19.3  | 27.96 | 26.10 | 22.64 | 19.0  | 29.12 | 27.27 | 23.80 | 20.2  |
|      | kW      | 3.09                        | 3.09  | 3.09  | 3.1   | 3.48  | 3.47  | 3.47  | 3.5   | 3.90  | 3.90  | 3.89  | 3.9   | 4.36  | 4.36  | 4.35         | 4.4   | 4.88  | 4.88  | 4.87  | 4.9   | 5.48  | 5.48  | 5.47  | 5.5   |
|      | Amps    | 12.12                       | 12.10 | 12.07 | 12.2  | 13.87 | 13.85 | 13.82 | 14.0  | 15.82 | 15.80 | 15.77 | 15.9  | 17.93 | 17.91 | 17.88        | 18.0  | 20.28 | 20.27 | 20.24 | 20.4  | 23.05 | 23.04 | 23.01 | 23.1  |
|      | Hi PR   | 266                         | 268   | 269   | 274.0 | 308   | 309   | 311   | 315.9 | 352   | 353   | 355   | 359.8 | 399   | 401   | 402          | 407.1 | 450   | 452   | 453   | 458.1 | 505   | 506   | 508   | 512.5 |
|      | Lo PR   | 125                         | 126   | 130   | 134.8 | 132   | 134   | 137   | 142.4 | 139   | 141   | 144   | 149.0 | 145   | 146   | 149          | 154.6 | 150   | 152   | 155   | 160.1 | 157   | 159   | 162   | 167.0 |
|      | MbH     | 47.7                        | 48.3  | 49.7  | 51.9  | 47.3  | 47.9  | 49.3  | 51.5  | 46.0  | 46.7  | 48.1  | 50.2  | 43.9  | 44.6  | <b>46.0</b>  | 48.1  | 41.4  | 42.0  | 43.4  | 45.6  | 39.0  | 39.7  | 41.1  | 43.2  |
|      | S/T     | 1.00                        | 0.89  | 0.74  | 0.6   | 1.00  | 0.89  | 0.75  | 0.6   | 1.00  | 0.92  | 0.78  | 0.6   | 1.00  | 1.00  | <b>0.80</b>  | 0.6   | 1.00  | 1.00  | 0.82  | 0.7   | 1.00  | 1.00  | 0.87  | 0.7   |
|      | ΔT      | 27.16                       | 25.30 | 21.83 | 18.2  | 27.11 | 25.25 | 21.78 | 18.2  | 27.37 | 25.51 | 22.04 | 18.4  | 27.09 | 25.23 | <b>21.76</b> | 18.2  | 26.84 | 24.98 | 21.51 | 17.9  | 28.00 | 26.14 | 22.68 | 19.1  |
| 1800 | kW      | 3.11                        | 3.11  | 3.11  | 3.1   | 3.50  | 3.49  | 3.49  | 3.5   | 3.92  | 3.92  | 3.91  | 3.9   | 4.38  | 4.38  | <b>4.37</b>  | 4.4   | 4.90  | 4.90  | 4.89  | 4.9   | 5.50  | 5.50  | 5.49  | 5.5   |
|      | Amps    | 12.21                       | 12.20 | 12.17 | 12.3  | 13.96 | 13.94 | 13.91 | 14.0  | 15.91 | 15.89 | 15.86 | 16.0  | 18.02 | 18.00 | <b>17.97</b> | 18.1  | 20.37 | 20.36 | 20.33 | 20.5  | 23.14 | 23.13 | 23.10 | 23.2  |
|      | Hi PR   | 269                         | 270   | 272   | 276.3 | 311   | 312   | 314   | 318.2 | 354   | 356   | 357   | 362.1 | 402   | 403   | <b>405</b>   | 409.4 | 453   | 454   | 456   | 460.3 | 507   | 508   | 510   | 514.8 |
|      | Lo PR   | 127                         | 128   | 131   | 136.7 | 134   | 136   | 139   | 144.2 | 141   | 142   | 146   | 150.8 | 146   | 148   | <b>151</b>   | 156.4 | 152   | 153   | 157   | 161.9 | 159   | 160   | 164   | 168.8 |
|      | MbH     | 48.4                        | 49.1  | 50.5  | 52.6  | 48.0  | 48.7  | 50.1  | 52.2  | 46.8  | 47.4  | 48.8  | 51.0  | 44.7  | 45.3  | 46.7         | 48.9  | 42.1  | 42.8  | 44.2  | 46.3  | 39.8  | 40.4  | 41.8  | 44.0  |
|      | S/T     | 1.00                        | 0.92  | 0.78  | 0.6   | 1.00  | 0.93  | 0.79  | 0.6   | 1.00  | 0.95  | 0.81  | 0.7   | 1.00  | 1.00  | 0.83         | 0.7   | 1.00  | 1.00  | 0.85  | 0.7   | 1.00  | 1.00  | 0.91  | 0.8   |
|      | ΔT      | 26.21                       | 24.35 | 20.89 | 17.3  | 26.16 | 24.30 | 20.84 | 17.2  | 26.42 | 24.56 | 21.10 | 17.5  | 26.14 | 24.28 | 20.82        | 17.2  | 25.89 | 24.04 | 20.57 | 17.0  | 27.06 | 25.20 | 21.73 | 18.1  |
|      | kW      | 3.13                        | 3.13  | 3.12  | 3.2   | 3.51  | 3.51  | 3.50  | 3.5   | 3.94  | 3.94  | 3.93  | 4.0   | 4.40  | 4.40  | 4.39         | 4.4   | 4.92  | 4.91  | 4.91  | 4.9   | 5.52  | 5.52  | 5.51  | 5.5   |
|      | Amps    | 12.28                       | 12.27 | 12.24 | 12.4  | 14.03 | 14.02 | 13.99 | 14.1  | 15.98 | 15.97 | 15.94 | 16.1  | 18.09 | 18.08 | 18.05        | 18.2  | 20.45 | 20.44 | 20.41 | 20.5  | 23.22 | 23.20 | 23.17 | 23.3  |
|      | Hi PR   | 271                         | 272   | 274   | 278.4 | 313   | 314   | 316   | 320.4 | 357   | 358   | 360   | 364.3 | 404   | 405   | 407          | 411.6 | 455   | 456   | 458   | 462.5 | 509   | 510   | 512   | 516.9 |
|      | Lo PR   | 129                         | 130   | 133   | 138.7 | 136   | 138   | 141   | 146.2 | 143   | 144   | 148   | 152.9 | 148   | 150   | 153          | 158.5 | 154   | 155   | 159   | 164.0 | 161   | 162   | 166   | 170.8 |
| 85   | MbH     | 47.9                        | 48.5  | 49.9  | 52.1  | 47.4  | 48.1  | 49.5  | 51.6  | 46.2  | 46.9  | 48.3  | 50.4  | 44.1  | 44.8  | 46.2         | 48.3  | 41.5  | 42.2  | 43.6  | 45.7  | 39.2  | 39.9  | 41.3  | 43.4  |
|      | S/T     | 1.00                        | 0.93  | 0.79  | 0.6   | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 0.82  | 0.7   | 1.00  | 1.00  | 0.84         | 0.7   | 1.00  | 1.00  | 0.86  | 0.7   | 1.00  | 1.00  | 1.00  | 0.8   |
|      | ΔT      | 31.92                       | 30.07 | 26.60 | 23.0  | 31.87 | 30.02 | 26.55 | 23.0  | 32.14 | 30.28 | 26.81 | 23.2  | 31.86 | 30.00 | 26.53        | 22.9  | 31.61 | 29.75 | 26.28 | 22.7  | 32.77 | 30.91 | 27.44 | 23.9  |
|      | kW      | 3.10                        | 3.10  | 3.09  | 3.1   | 3.48  | 3.48  | 3.47  | 3.5   | 3.91  | 3.91  | 3.90  | 3.9   | 4.37  | 4.37  | 4.36         | 4.4   | 4.89  | 4.88  | 4.88  | 4.9   | 5.49  | 5.49  | 5.48  | 5.5   |
|      | Amps    | 12.15                       | 12.14 | 12.11 | 12.2  | 13.90 | 13.88 | 13.86 | 14.0  | 15.85 | 15.84 | 15.81 | 15.9  | 17.96 | 17.95 | 17.92        | 18.0  | 20.32 | 20.30 | 20.27 | 20.4  | 23.08 | 23.07 | 23.04 | 23.2  |
|      | Hi PR   | 268                         | 269   | 271   | 275.2 | 310   | 311   | 313   | 317.2 | 353   | 355   | 356   | 361.1 | 401   | 402   | 404          | 408.4 | 452   | 453   | 455   | 459.3 | 506   | 507   | 509   | 513.7 |
|      | Lo PR   | 127                         | 128   | 131   | 136.7 | 134   | 136   | 139   | 144.3 | 141   | 142   | 146   | 150.9 | 146   | 148   | 151          | 156.5 | 152   | 154   | 157   | 162.0 | 159   | 160   | 164   | 168.8 |
|      | MbH     | 48.5                        | 49.1  | 50.5  | 52.7  | 48.1  | 48.7  | 50.1  | 52.2  | 46.8  | 47.5  | 48.9  | 51.0  | 44.7  | 45.4  | 46.8         | 48.9  | 42.2  | 42.8  | 44.2  | 46.4  | 39.8  | 40.5  | 41.9  | 44.0  |
|      | S/T     | 1.00                        | 0.99  | 0.85  | 0.7   | 1.00  | 1.00  | 0.86  | 0.7   | 1.00  | 1.00  | 0.88  | 0.7   | 1.00  | 1.00  | 0.90         | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   |
|      | ΔT      | 30.80                       | 28.95 | 25.48 | 21.9  | 30.75 | 28.89 | 25.43 | 21.8  | 31.01 | 29.16 | 25.69 | 22.1  | 30.73 | 28.88 | 25.41        | 21.8  | 30.48 | 28.63 | 25.16 | 21.6  | 31.65 | 29.79 | 26.32 | 22.7  |
|      | kW      | 3.12                        | 3.12  | 3.11  | 3.1   | 3.50  | 3.50  | 3.49  | 3.5   | 3.93  | 3.93  | 3.92  | 3.9   | 4.39  | 4.39  | 4.38         | 4.4   | 4.91  | 4.90  | 4.90  | 4.9   | 5.51  | 5.51  | 5.50  | 5.5   |
| 1800 | Amps    | 12.24                       | 12.23 | 12.20 | 12.3  | 13.99 | 13.98 | 13.95 | 14.1  | 15.94 | 15.93 | 15.90 | 16.0  | 18.05 | 18.04 | 18.01        | 18.1  | 20.41 | 20.39 | 20.36 | 20.5  | 23.17 | 23.16 | 23.13 | 23.3  |
|      | Hi PR   | 270                         | 271   | 273   | 277.5 | 312   | 313   | 315   | 319.4 | 356   | 357   | 359   | 363.3 | 403   | 404   | 406          | 410.6 | 454   | 455   | 457   | 461.6 | 508   | 510   | 511   | 516.0 |
|      | Lo PR   | 129                         | 130   | 133   | 138.5 | 136   | 138   | 141   | 146.1 | 143   | 144   | 147   | 152.7 | 148   | 150   | 153          | 158.3 | 154   | 155   | 159   | 163.8 | 161   | 162   | 166   | 170.7 |
|      | MbH     | 49.2                        | 49.9  | 51.3  | 53.4  | 48.8  | 49.5  | 50.9  | 53.0  | 47.6  | 48.2  | 49.6  | 51.8  | 45.5  | 46.1  | 47.5         | 49.7  | 42.9  | 43.6  | 45.0  | 47.1  | 40.6  | 41.2  | 42.6  | 44.7  |
|      | S/T     | 1.00                        | 1.00  | 0.88  | 0.7   | 1.00  | 1.00  | 0.89  | 0.7   | 1.00  | 1.00  | 0.92  | 0.8   | 1.00  | 1.00  | 0.94         | 0.8   | 1.00  | 1.00  | 1.00  | 0.8   | 1.00  | 1.00  | 1.00  | 0.9   |
|      | ΔT      | 29.86                       | 28.00 | 24.53 | 20.9  | 29.81 | 27.95 | 24.48 | 20.9  | 30.07 | 28.21 | 24.74 | 21.2  | 29.79 | 27.93 | 24.46        | 20.9  | 29.54 | 27.68 | 24.22 | 20.6  | 30.70 | 28.85 | 25.38 | 21.8  |
|      | kW      | 3.14                        | 3.14  | 3.13  | 3.2   | 3.52  | 3.52  | 3.51  | 3.5   | 3.95  | 3.94  | 3.94  | 4.0   | 4.41  | 4.40  | 4.40         | 4.4   | 4.92  | 4.92  | 4.91  | 4.9   | 5.53  | 5.52  | 5.52  | 5.5   |
|      | Amps    | 12.32                       | 12.30 | 12.27 | 12.4  | 14.07 | 14.05 | 14.02 | 14.2  | 16.02 | 16.00 | 15.97 | 16.1  | 18.13 | 18.11 | 18.08        | 18.2  | 20.48 | 20.47 | 20.44 | 20.6  | 23.25 | 23.24 | 23.21 | 23.3  |
|      | Hi PR   | 272                         | 273   | 275   | 279.7 | 314   | 315   | 317   | 321.6 | 358   | 359   | 361   | 365.5 | 405   | 406   | 408          | 412.8 | 456   | 457   | 459   | 463.8 | 511   | 512   | 514   | 518.2 |
|      | Lo PR   | 131                         | 132   | 135   | 140.5 | 138   | 140   | 143   | 148.1 | 145   | 146   | 149   | 154.7 | 150   | 152   | 155          | 160.3 | 156   | 157   | 161   | 165.8 | 163   | 164   | 167   | 172.7 |

IDB: Entering Indoor Dry Bulb Temperature

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

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

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

DB: Entering Indoor Dry Bulb Temperature  
High and low pressures are measured at the liquid and suction service valves.  
Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.  
Shaded area reflects ACCA (TVA) conditions.  
Amps = outdoor unit amps (comp.+fan)  
KW = Total system power

| IDB   |       | AIRFLOW |       | OUTDOOR AMBIENT TEMPERATURE          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |     |  |  |  |  |
|-------|-------|---------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-----|--|--|--|--|
|       |       |         |       | 65                                   |       |       |       |       | 75    |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |      |      | 115 |  |  |  |  |
|       |       |         |       | ENTERING INDOOR WET BULB TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |     |  |  |  |  |
| 59    | 63    | 67      | 71    | 59                                   | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71   |      |     |  |  |  |  |
| 80    | 1500  | MBh     | 58.4  | 59.2                                 | 60.9  | 63.6  | 57.8  | 58.7  | 60.4  | 63.0  | 56.3  | 57.2  | 58.9  | 61.5  | 53.7  | 54.5  | 56.3  | 58.9  | 50.5  | 51.4  | 53.1  | 55.7  | 47.6  | 48.5  | 50.2  | 52.8  |      |      |     |  |  |  |  |
|       |       | S/T     | 0.84  | 0.76                                 | 0.63  | 0.5   | 1.00  | 0.77  | 0.64  | 0.5   | 1.00  | 0.79  | 0.66  | 0.5   | 1.00  | 0.81  | 0.68  | 0.5   | 1.00  | 1.00  | 1.00  | 0.70  | 0.6   | 1.00  | 1.00  | 0.75  | 0.6  |      |     |  |  |  |  |
|       |       | ΔT      | 29.67 | 27.72                                | 24.07 | 20.3  | 29.62 | 27.66 | 24.02 | 20.2  | 29.89 | 27.94 | 24.29 | 20.5  | 29.60 | 27.64 | 24.00 | 20.2  | 29.34 | 27.38 | 23.74 | 20.0  | 30.56 | 28.61 | 24.96 | 21.2  |      |      |     |  |  |  |  |
|       |       | kW      | 3.78  | 3.78                                 | 3.77  | 3.8   | 4.27  | 4.27  | 4.26  | 4.3   | 4.82  | 4.81  | 4.81  | 4.8   | 5.41  | 5.41  | 5.40  | 5.4   | 6.07  | 6.07  | 6.06  | 6.1   | 6.85  | 6.84  | 6.84  | 6.9   |      |      |     |  |  |  |  |
|       |       | Amps    | 15.05 | 15.03                                | 14.99 | 15.2  | 17.29 | 17.28 | 17.24 | 17.4  | 19.80 | 19.78 | 19.74 | 19.9  | 22.51 | 22.49 | 22.45 | 22.6  | 25.54 | 25.52 | 25.48 | 25.7  | 29.09 | 29.07 | 29.03 | 29.2  |      |      |     |  |  |  |  |
|       | Hi PR | 277     | 278   | 280                                  | 284.9 | 321   | 322   | 324   | 328.5 | 366   | 367   | 369   | 374.1 | 415   | 417   | 418   | 423.3 | 468   | 469   | 471   | 476.2 | 525   | 526   | 528   | 532.8 |       |      |      |     |  |  |  |  |
|       | Lo PR | 121     | 123   | 126                                  | 130.8 | 128   | 130   | 133   | 138.1 | 135   | 136   | 139   | 144.5 | 140   | 142   | 145   | 149.9 | 146   | 147   | 150   | 155.3 | 152   | 154   | 157   | 161.9 |       |      |      |     |  |  |  |  |
|       | 1700  | MBh     | 59.1  | 59.9                                 | 61.6  | 64.3  | 58.6  | 59.4  | 61.1  | 63.8  | 57.1  | 57.9  | 59.6  | 62.3  | 54.4  | 55.3  | 57.0  | 59.6  | 51.3  | 52.1  | 53.8  | 56.5  | 48.4  | 49.2  | 50.9  | 53.6  |      |      |     |  |  |  |  |
|       |       | S/T     | 1.00  | 0.82                                 | 0.69  | 0.5   | 1.00  | 0.82  | 0.69  | 0.6   | 1.00  | 0.85  | 0.72  | 0.6   | 1.00  | 0.87  | 0.73  | 0.6   | 1.00  | 1.00  | 1.00  | 0.76  | 0.6   | 1.00  | 1.00  | 0.81  | 0.7  |      |     |  |  |  |  |
|       |       | ΔT      | 28.57 | 26.61                                | 22.97 | 19.2  | 28.51 | 26.56 | 22.91 | 19.1  | 28.79 | 26.84 | 23.19 | 19.4  | 28.49 | 26.54 | 22.89 | 19.1  | 28.23 | 26.28 | 22.63 | 18.9  | 29.46 | 27.50 | 23.85 | 20.1  |      |      |     |  |  |  |  |
| kW    |       | 3.80    | 3.80  | 3.79                                 | 3.8   | 4.29  | 4.29  | 4.28  | 4.3   | 4.84  | 4.84  | 4.83  | 4.9   | 5.43  | 5.43  | 5.42  | 5.5   | 6.10  | 6.09  | 6.08  | 6.1   | 6.87  | 6.87  | 6.86  | 6.9   |       |      |      |     |  |  |  |  |
| Amps  |       | 15.16   | 15.14 | 15.10                                | 15.3  | 17.40 | 17.39 | 17.35 | 17.5  | 19.91 | 19.89 | 19.85 | 20.0  | 22.62 | 22.60 | 22.56 | 22.7  | 25.64 | 25.63 | 25.59 | 25.8  | 29.20 | 29.18 | 29.14 | 29.3  |       |      |      |     |  |  |  |  |
| 85    | 1500  | Hi PR   | 279   | 280                                  | 282   | 287.1 | 323   | 324   | 326   | 330.7 | 368   | 370   | 372   | 376.3 | 418   | 419   | 421   | 425.5 | 470   | 472   | 474   | 478.4 | 527   | 528   | 530   | 535.0 |      |      |     |  |  |  |  |
|       |       | Lo PR   | 123   | 124                                  | 127   | 132.4 | 130   | 132   | 135   | 139.8 | 136   | 138   | 141   | 146.2 | 142   | 143   | 146   | 151.6 | 147   | 149   | 152   | 156.9 | 154   | 155   | 158   | 163.6 |      |      |     |  |  |  |  |
|       |       | MBh     | 59.9  | 60.8                                 | 62.5  | 65.1  | 59.4  | 60.2  | 62.0  | 64.6  | 57.9  | 58.7  | 60.5  | 63.1  | 55.3  | 56.1  | 57.9  | 60.5  | 52.1  | 52.9  | 54.7  | 57.3  | 49.2  | 50.0  | 51.8  | 54.4  |      |      |     |  |  |  |  |
|       |       | S/T     | 1.00  | 0.85                                 | 0.72  | 0.6   | 1.00  | 0.85  | 0.72  | 0.6   | 1.00  | 0.88  | 0.75  | 0.6   | 1.00  | 0.90  | 0.77  | 0.6   | 1.00  | 1.00  | 1.00  | 0.79  | 0.6   | 1.00  | 1.00  | 0.84  | 0.7  |      |     |  |  |  |  |
|       |       | ΔT      | 27.63 | 25.67                                | 22.03 | 18.2  | 27.58 | 25.62 | 21.97 | 18.2  | 27.85 | 25.90 | 22.25 | 18.5  | 27.56 | 25.60 | 21.95 | 18.2  | 27.29 | 25.34 | 21.69 | 17.9  | 28.52 | 26.56 | 22.92 | 19.1  |      |      |     |  |  |  |  |
|       | 1900  | kW      | 3.82  | 3.82                                 | 3.81  | 3.8   | 4.31  | 4.31  | 4.30  | 4.3   | 4.86  | 4.86  | 4.85  | 4.9   | 5.45  | 5.45  | 5.44  | 5.5   | 6.12  | 6.11  | 6.10  | 6.1   | 6.89  | 6.89  | 6.88  | 6.9   |      |      |     |  |  |  |  |
|       |       | Amps    | 15.25 | 15.23                                | 15.20 | 15.4  | 17.50 | 17.48 | 17.44 | 17.6  | 20.00 | 19.98 | 19.94 | 20.1  | 22.71 | 22.69 | 22.65 | 22.8  | 25.74 | 25.72 | 25.68 | 25.9  | 29.29 | 29.27 | 29.23 | 29.4  |      |      |     |  |  |  |  |
|       |       | Hi PR   | 281   | 283                                  | 284   | 289.3 | 325   | 326   | 328   | 332.8 | 371   | 372   | 374   | 378.5 | 420   | 421   | 423   | 427.6 | 473   | 474   | 476   | 480.6 | 529   | 530   | 532   | 537.1 |      |      |     |  |  |  |  |
|       |       | Lo PR   | 125   | 126                                  | 129   | 134.3 | 132   | 133   | 136   | 141.6 | 138   | 140   | 143   | 148.0 | 144   | 145   | 148   | 153.4 | 149   | 151   | 154   | 158.8 | 156   | 157   | 160   | 165.4 |      |      |     |  |  |  |  |
|       |       | 85      | 1500  | MBh                                  | 59.3  | 60.2  | 61.9  | 64.5  | 58.8  | 59.6  | 61.4  | 64.0  | 57.3  | 58.1  | 59.9  | 62.5  | 54.7  | 55.5  | 57.3  | 59.9  | 51.5  | 52.3  | 54.1  | 56.7  | 48.6  | 49.4  | 51.2 | 53.8 |     |  |  |  |  |
| S/T   | 1.00  |         |       | 0.86                                 | 0.73  | 0.6   | 1.00  | 0.87  | 0.74  | 0.6   | 1.00  | 1.00  | 0.76  | 0.6   | 1.00  | 1.00  | 0.78  | 0.6   | 1.00  | 1.00  | 0.80  | 0.7   | 1.00  | 1.00  | 1.00  | 0.7   |      |      |     |  |  |  |  |
| ΔT    | 33.51 |         |       | 31.55                                | 27.91 | 24.1  | 33.45 | 31.50 | 27.85 | 24.1  | 33.73 | 31.78 | 28.13 | 24.3  | 33.43 | 31.48 | 27.83 | 24.1  | 33.17 | 31.22 | 27.57 | 23.8  | 34.40 | 32.44 | 28.79 | 25.0  |      |      |     |  |  |  |  |
| kW    | 3.79  |         |       | 3.79                                 | 3.78  | 3.8   | 4.28  | 4.28  | 4.27  | 4.3   | 4.83  | 4.82  | 4.82  | 4.9   | 5.42  | 5.42  | 5.41  | 5.4   | 6.08  | 6.08  | 6.07  | 6.1   | 6.86  | 6.85  | 6.84  | 6.9   |      |      |     |  |  |  |  |
| Amps  | 15.09 |         |       | 15.08                                | 15.04 | 15.2  | 17.34 | 17.32 | 17.28 | 17.5  | 19.84 | 19.82 | 19.79 | 20.0  | 22.55 | 22.53 | 22.50 | 22.7  | 25.58 | 25.56 | 25.52 | 25.7  | 29.13 | 29.11 | 29.08 | 29.2  |      |      |     |  |  |  |  |
| Hi PR | 278   |         | 279   | 281                                  | 286.2 | 322   | 323   | 325   | 329.8 | 367   | 369   | 371   | 375.4 | 417   | 418   | 420   | 424.6 | 470   | 471   | 473   | 477.5 | 526   | 527   | 529   | 534.1 |       |      |      |     |  |  |  |  |
| Lo PR | 123   |         | 124   | 127                                  | 132.6 | 130   | 132   | 135   | 139.9 | 137   | 138   | 141   | 146.3 | 142   | 144   | 147   | 151.7 | 147   | 149   | 152   | 157.1 | 154   | 156   | 159   | 163.7 |       |      |      |     |  |  |  |  |
| 1700  | MBh   |         | 60.1  | 60.9                                 | 62.6  | 65.3  | 59.5  | 60.4  | 62.1  | 64.7  | 58.0  | 58.8  | 60.6  | 63.2  | 55.4  | 56.2  | 58.0  | 60.6  | 52.2  | 53.1  | 54.8  | 57.4  | 49.3  | 50.2  | 51.9  | 54.5  |      |      |     |  |  |  |  |
|       | S/T   |         | 1.00  | 0.91                                 | 0.78  | 0.6   | 1.00  | 0.92  | 0.79  | 0.7   | 1.00  | 1.00  | 0.81  | 0.7   | 1.00  | 1.00  | 0.83  | 0.7   | 1.00  | 1.00  | 0.85  | 0.7   | 1.00  | 1.00  | 1.00  | 0.8   |      |      |     |  |  |  |  |
|       | ΔT    |         | 32.40 | 30.45                                | 26.80 | 23.0  | 32.35 | 30.40 | 26.75 | 23.0  | 32.63 | 30.67 | 27.02 | 23.2  | 32.33 | 30.38 | 26.73 | 22.9  | 32.07 | 30.12 | 26.47 | 22.7  | 33.29 | 31.34 | 27.69 | 23.9  |      |      |     |  |  |  |  |
|       | kW    | 3.81    | 3.81  | 3.80                                 | 3.8   | 4.30  | 4.30  | 4.29  | 4.3   | 4.85  | 4.85  | 4.84  | 4.9   | 5.44  | 5.44  | 5.43  | 5.5   | 6.10  | 6.10  | 6.09  | 6.1   | 6.88  | 6.88  | 6.87  | 6.9   |       |      |      |     |  |  |  |  |
|       | Amps  | 15.20   | 15.18 | 15.15                                | 15.3  | 17.45 | 17.43 | 17.39 | 17.6  | 19.95 | 19.93 | 19.89 | 20.1  | 22.66 | 22.64 | 22.60 | 22.8  | 25.69 | 25.67 | 25.63 | 25.8  | 29.24 | 29.22 | 29.18 | 29.4  |       |      |      |     |  |  |  |  |
| Hi PR | 280   | 282     | 284   | 288.4                                | 324   | 325   | 327   | 332.0 | 370   | 371   | 373   | 377.6 | 419   | 420   | 422   | 426.8 | 472   | 473   | 475   | 479.7 | 528   | 530   | 531   | 536.3 |       |       |      |      |     |  |  |  |  |
| Lo PR | 125   | 126     | 129   | 134.2                                | 132   | 133   | 136   | 141.6 | 138   | 140   | 143   | 148.0 | 144   | 145   | 148   | 153.4 | 149   | 151   | 154   | 158.7 | 156   | 157   | 160   | 165.4 |       |       |      |      |     |  |  |  |  |
| 1900  | MBh   | 60.9    | 61.7  | 63.5                                 | 66.1  | 60.4  | 61.2  | 63.0  | 65.6  | 58.9  | 59.7  | 61.4  | 64.1  | 56.3  | 57.1  | 58.8  | 61.5  | 53.1  | 53.9  | 55.6  | 58.3  | 50.2  | 51.0  | 52.7  | 55.4  |       |      |      |     |  |  |  |  |
|       | S/T   | 1.00    | 0.95  | 0.81                                 | 0.7   | 1.00  | 0.95  | 0.82  | 0.7   | 1.00  | 1.00  | 0.84  | 0.7   | 1.00  | 1.00  | 0.86  | 0.7   | 1.00  | 1.00  | 0.89  | 0.7   | 1.00  | 1.00  | 1.00  | 0.8   |       |      |      |     |  |  |  |  |
|       | ΔT    | 31.46   | 29.51 | 25.86                                | 22.1  | 31.41 | 29.46 | 25.81 | 22.0  | 31.69 | 29.73 | 26.08 | 22.3  | 31.39 | 29.44 | 25.79 | 22.0  | 31.13 | 29.18 | 25.53 | 21.7  | 32.35 | 30.40 | 26.75 | 23.0  |       |      |      |     |  |  |  |  |
|       | kW    | 3.83    | 3.83  | 3.82                                 | 3.9   | 4.32  | 4.32  | 4.31  | 4.3   | 4.87  | 4.87  | 4.86  | 4.9   | 5.46  | 5.46  | 5.45  | 5.5   | 6.12  | 6.12  | 6.11  | 6.2   | 6.90  | 6.89  | 6.89  | 6.9   |       |      |      |     |  |  |  |  |
|       | Amps  | 15.29   | 15.28 | 15.24                                | 15.4  | 17.54 | 17.52 | 17.48 | 17.7  | 20.04 | 20.02 | 19.99 | 20.2  | 22.75 | 22.73 | 22.70 | 22.9  | 25.78 | 25.76 | 25.72 | 25.9  | 29.33 | 29.31 | 29.28 | 29.4  |       |      |      |     |  |  |  |  |
| Hi PR | 283   | 284     | 286   | 290.6                                | 326   | 327   | 329   | 334.1 | 372   | 373   | 375   | 379.8 | 421   | 422   | 424   | 428.9 | 474   | 475   | 477   | 481.9 | 530   | 532   | 534   | 538.4 |       |       |      |      |     |  |  |  |  |
| Lo PR | 126   | 128     | 131   | 136.1                                | 134   | 135   | 138   | 143.4 | 140   | 142   | 145   | 149.8 | 146   | 147   | 150   | 155.2 | 151   | 152   | 155   | 160.6 | 158   | 159   | 162   | 167.2 |       |       |      |      |     |  |  |  |  |

DB: Entering Indoor Dry Bulb Temperature

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

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

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

## GPHH32441

|       | OUTDOOR AMBIENT TEMPERATURE |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       | 65                          | 60     | 55     | 50     | 47     | 45     | 40     | 35     | 30     | 25     | 20     | 17     | 15     | 10     | 5      |        | -5     |
| MBh   | 29.20                       | 27.41  | 25.65  | 23.92  | 22.80  | 21.99  | 19.95  | 18.03  | 16.45  | 15.29  | 14.45  | 14.00  | 13.41  | 11.95  | 10.48  | 9.01   | 7.55   |
| T/R   | 29.72                       | 28.16  | 26.61  | 25.06  | 24.13  | 23.29  | 21.11  | 19.07  | 17.41  | 16.18  | 15.29  | 14.81  | 14.19  | 12.64  | 11.09  | 9.54   | 7.98   |
| KW    | 1.95                        | 1.93   | 1.90   | 1.88   | 1.86   | 1.85   | 1.83   | 1.80   | 1.78   | 1.75   | 1.72   | 1.71   | 1.70   | 1.67   | 1.65   | 1.62   | 1.60   |
| AMPS  | 7.10                        | 6.99   | 6.88   | 6.77   | 6.70   | 6.66   | 6.55   | 6.44   | 6.33   | 6.22   | 6.11   | 6.04   | 6.00   | 5.89   | 5.78   | 5.67   | 5.56   |
| COP   | 4.38                        | 4.17   | 3.95   | 3.74   | 3.59   | 3.48   | 3.20   | 2.93   | 2.72   | 2.56   | 2.46   | 2.40   | 2.31   | 2.09   | 1.86   | 1.63   | 1.38   |
| Hi PR | 388.26                      | 375.63 | 363.01 | 350.38 | 342.80 | 337.75 | 325.12 | 312.49 | 299.86 | 287.23 | 274.60 | 267.03 | 261.98 | 249.35 | 236.72 | 224.09 | 211.46 |
| LO PR | 136.59                      | 128.10 | 119.60 | 111.10 | 106.00 | 102.60 | 94.10  | 85.60  | 77.11  | 68.61  | 60.11  | 55.01  | 51.61  | 43.11  | 34.61  | 26.12  | 17.62  |

## GPHH33041

|       | OUTDOOR AMBIENT TEMPERATURE |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       | 65                          | 60     | 55     | 50     | 47     | 45     | 40     | 35     | 30     | 25     | 20     | 17     | 15     | 10     | 5      |        | -5     |
| MBh   | 36.32                       | 33.87  | 31.47  | 29.11  | 27.60  | 26.46  | 23.59  | 20.97  | 18.83  | 17.24  | 16.04  | 15.40  | 14.59  | 12.55  | 10.52  | 8.49   | 6.45   |
| T/R   | 30.80                       | 29.00  | 27.21  | 25.42  | 24.34  | 23.33  | 20.80  | 18.49  | 16.61  | 15.20  | 14.15  | 13.58  | 12.86  | 11.07  | 9.28   | 7.48   | 5.69   |
| KW    | 2.52                        | 2.45   | 2.39   | 2.32   | 2.29   | 2.26   | 2.19   | 2.13   | 2.06   | 2.00   | 1.94   | 1.90   | 1.87   | 1.81   | 1.74   | 1.68   | 1.61   |
| AMPS  | 9.28                        | 9.00   | 8.72   | 8.44   | 8.27   | 8.16   | 7.87   | 7.59   | 7.31   | 7.03   | 6.75   | 6.58   | 6.47   | 6.18   | 5.90   | 5.62   | 5.34   |
| COP   | 4.23                        | 4.05   | 3.86   | 3.67   | 3.54   | 3.43   | 3.15   | 2.89   | 2.67   | 2.53   | 2.43   | 2.38   | 2.29   | 2.04   | 1.77   | 1.48   | 1.17   |
| Hi PR | 403.21                      | 390.10 | 376.98 | 363.87 | 356.00 | 350.75 | 337.64 | 324.52 | 311.41 | 298.29 | 285.18 | 277.31 | 272.06 | 258.95 | 245.83 | 232.72 | 219.60 |
| LO PR | 128.86                      | 120.84 | 112.83 | 104.81 | 100.00 | 96.79  | 88.78  | 80.76  | 72.74  | 64.72  | 56.71  | 51.90  | 48.69  | 40.67  | 32.66  | 24.64  | 16.62  |

## GPHH33641

|       | OUTDOOR AMBIENT TEMPERATURE |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       | 65                          | 60     | 55     | 50     | 47     | 45     | 40     | 35     | 30     | 25     | 20     | 17     | 15     | 10     | 5      |        | -5     |
| MBh   | 42.77                       | 39.84  | 37.21  | 34.20  | 32.20  | 30.57  | 26.58  | 23.04  | 20.17  | 17.99  | 16.30  | 15.40  | 14.28  | 11.48  | 8.68   | 5.88   | 3.08   |
| T/R   | 32.63                       | 30.46  | 28.30  | 26.14  | 24.85  | 23.58  | 20.51  | 17.78  | 15.57  | 13.88  | 12.58  | 11.88  | 11.02  | 8.86   | 6.70   | 4.54   | 2.38   |
| KW    | 2.92                        | 2.82   | 2.72   | 2.61   | 2.55   | 2.51   | 2.41   | 2.30   | 2.20   | 2.09   | 1.99   | 1.93   | 1.89   | 1.78   | 1.68   | 1.58   | 1.47   |
| AMPS  | 10.81                       | 10.36  | 9.91   | 9.46   | 9.19   | 9.01   | 8.55   | 8.10   | 7.65   | 7.20   | 6.75   | 6.48   | 6.30   | 5.85   | 5.40   | 4.95   | 4.50   |
| COP   | 4.29                        | 4.14   | 4.01   | 3.84   | 3.70   | 3.57   | 3.24   | 2.93   | 2.69   | 2.52   | 2.40   | 2.34   | 2.22   | 1.89   | 1.51   | 1.09   | 0.61   |
| Hi PR | 352.81                      | 341.34 | 329.86 | 318.39 | 311.50 | 306.91 | 295.43 | 283.96 | 272.48 | 261.01 | 249.53 | 242.65 | 238.06 | 226.58 | 215.10 | 203.63 | 192.15 |
| LO PR | 131.44                      | 123.26 | 115.08 | 106.91 | 102.00 | 98.73  | 90.55  | 82.37  | 74.20  | 66.02  | 57.84  | 52.93  | 49.66  | 41.49  | 33.31  | 25.13  | 16.95  |

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

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

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

## GPHH34241

|       | OUTDOOR AMBIENT TEMPERATURE |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       | 65                          | 60     | 55     | 50     | 47     | 45     | 40     | 35     | 30     | 25     | 20     | 17     | 15     | 10     | 5      | -5     |
| MBh   | 48.42                       | 45.28  | 42.19  | 39.15  | 37.20  | 35.76  | 32.10  | 28.72  | 25.97  | 23.93  | 22.41  | 21.60  | 20.56  | 17.96  | 15.36  | 12.76  |
| T/R   | 33.16                       | 31.31  | 29.46  | 27.61  | 26.50  | 25.47  | 22.86  | 20.46  | 18.50  | 17.04  | 15.96  | 15.38  | 14.64  | 12.79  | 10.94  | 9.09   |
| KW    | 3.17                        | 3.11   | 3.06   | 3.00   | 2.96   | 2.94   | 2.88   | 2.82   | 2.77   | 2.71   | 2.65   | 2.62   | 2.59   | 2.54   | 2.48   | 2.42   |
| AMPS  | 11.72                       | 11.47  | 11.22  | 10.97  | 10.82  | 10.72  | 10.47  | 10.22  | 9.96   | 9.71   | 9.46   | 9.31   | 9.21   | 8.96   | 8.71   | 8.46   |
| COP   | 4.48                        | 4.26   | 4.05   | 3.83   | 3.68   | 3.57   | 3.26   | 2.98   | 2.75   | 2.59   | 2.48   | 2.42   | 2.32   | 2.08   | 1.82   | 1.55   |
| Hi PR | 364.70                      | 352.84 | 340.98 | 329.12 | 322.00 | 317.26 | 305.39 | 293.53 | 281.67 | 269.81 | 257.94 | 250.83 | 246.08 | 234.22 | 222.36 | 210.49 |
| LO PR | 132.73                      | 124.47 | 116.21 | 107.95 | 103.00 | 99.70  | 91.44  | 83.18  | 74.92  | 66.67  | 58.41  | 53.45  | 50.15  | 41.89  | 33.63  | 25.38  |

## GPHH34841

|       | OUTDOOR AMBIENT TEMPERATURE |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       | 65                          | 60     | 55     | 50     | 47     | 45     | 40     | 35     | 30     | 25     | 20     | 17     | 15     | 10     | 5      | -5     |
| MBh   | 56.91                       | 53.15  | 49.46  | 45.82  | 43.50  | 41.76  | 37.37  | 33.34  | 30.05  | 27.60  | 25.78  | 24.80  | 23.55  | 20.44  | 17.32  | 14.20  |
| T/R   | 31.67                       | 29.87  | 28.06  | 26.26  | 25.18  | 24.17  | 21.62  | 19.29  | 17.39  | 15.97  | 14.92  | 14.35  | 13.63  | 11.83  | 10.02  | 8.22   |
| KW    | 3.69                        | 3.64   | 3.60   | 3.55   | 3.52   | 3.50   | 3.46   | 3.41   | 3.36   | 3.32   | 3.27   | 3.24   | 3.23   | 3.18   | 3.13   | 3.09   |
| AMPS  | 13.50                       | 13.30  | 13.09  | 12.89  | 12.77  | 12.69  | 12.49  | 12.29  | 12.09  | 11.89  | 11.69  | 11.57  | 11.49  | 11.29  | 11.09  | 10.89  |
| COP   | 4.52                        | 4.28   | 4.03   | 3.78   | 3.62   | 3.49   | 3.17   | 2.86   | 2.62   | 2.44   | 2.31   | 2.24   | 2.14   | 1.88   | 1.62   | 1.35   |
| Hi PR | 368.67                      | 356.68 | 344.69 | 332.69 | 325.50 | 320.70 | 308.71 | 296.72 | 284.73 | 272.74 | 260.75 | 253.55 | 248.75 | 236.76 | 224.77 | 212.78 |
| LO PR | 133.63                      | 125.32 | 117.00 | 108.69 | 103.70 | 100.37 | 92.06  | 83.75  | 75.43  | 67.12  | 58.81  | 53.82  | 50.49  | 42.18  | 33.86  | 25.55  |

## GPHH36041

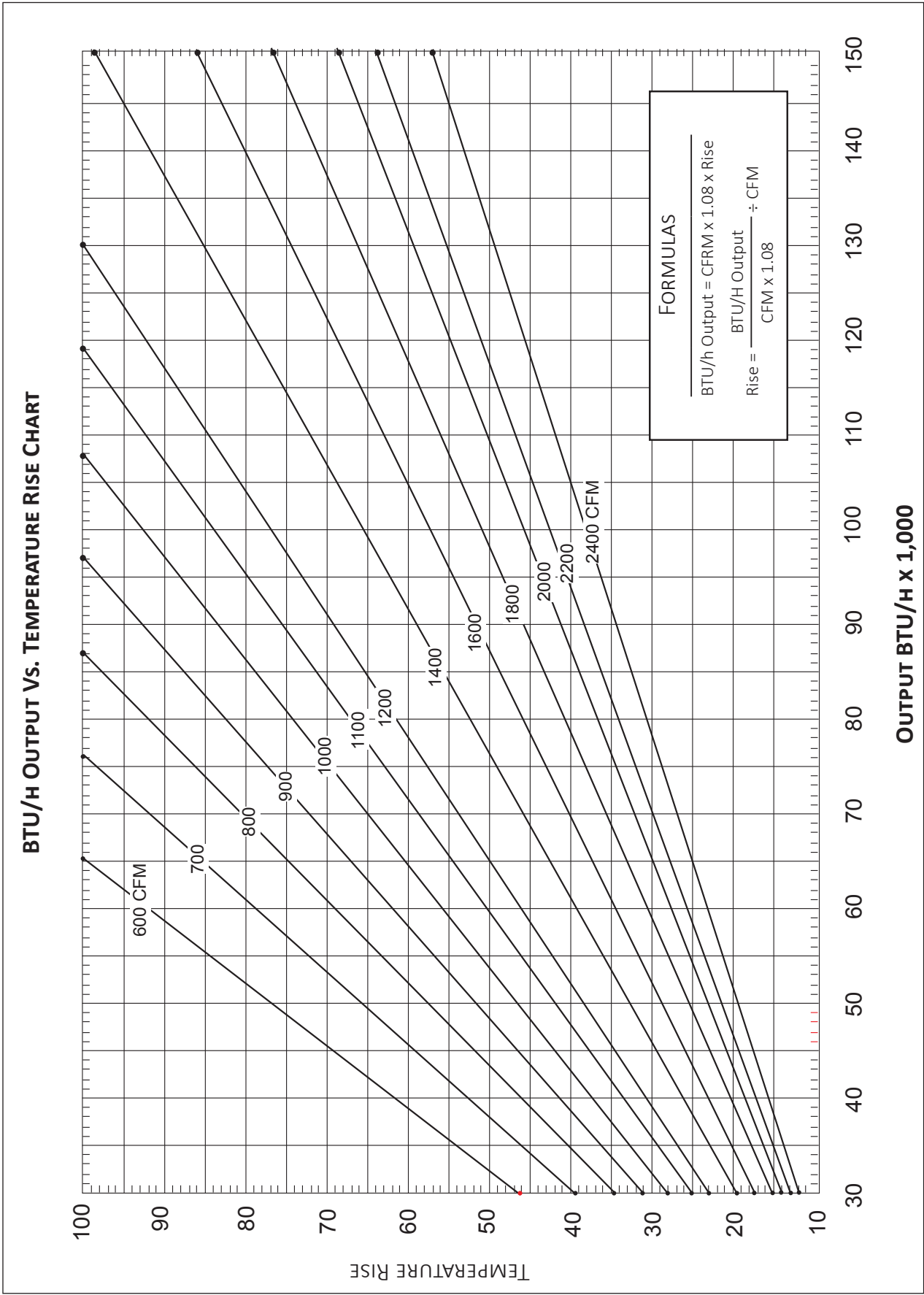
|       | OUTDOOR AMBIENT TEMPERATURE |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|       | 65                          | 60     | 55     | 50     | 47     | 45     | 40     | 35     | 30     | 25     | 20     | 17     | 15     | 10     | 5      | -5     |
| MBh   | 70.60                       | 66.09  | 61.66  | 57.30  | 54.50  | 52.45  | 47.23  | 42.39  | 38.44  | 35.51  | 33.36  | 32.20  | 30.71  | 27.00  | 23.28  | 19.56  |
| T/R   | 36.97                       | 34.95  | 32.93  | 30.90  | 29.69  | 28.57  | 25.72  | 23.09  | 20.94  | 19.34  | 18.17  | 17.54  | 16.73  | 14.70  | 12.68  | 10.65  |
| KW    | 4.74                        | 4.66   | 4.59   | 4.51   | 4.46   | 4.43   | 4.35   | 4.28   | 4.20   | 4.12   | 4.05   | 4.00   | 3.97   | 3.89   | 3.81   | 3.74   |
| AMPS  | 17.91                       | 17.57  | 17.24  | 16.90  | 16.70  | 16.57  | 16.23  | 15.90  | 15.56  | 15.23  | 14.89  | 14.69  | 14.55  | 14.22  | 13.88  | 13.55  |
| COP   | 4.37                        | 4.15   | 3.94   | 3.73   | 3.58   | 3.47   | 3.18   | 2.91   | 2.68   | 2.52   | 2.42   | 2.36   | 2.27   | 2.03   | 1.79   | 1.53   |
| Hi PR | 395.29                      | 382.43 | 369.57 | 356.71 | 349.00 | 343.86 | 331.00 | 318.14 | 305.29 | 292.43 | 279.57 | 271.86 | 266.71 | 253.86 | 241.00 | 228.14 |
| LO PR | 127.57                      | 119.64 | 111.70 | 103.76 | 99.00  | 95.83  | 87.89  | 79.95  | 72.01  | 64.08  | 56.14  | 51.38  | 48.20  | 40.27  | 32.33  | 24.39  |

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

Amps = Outdoor unit amps (comp.+fan)

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

kW = Total system power

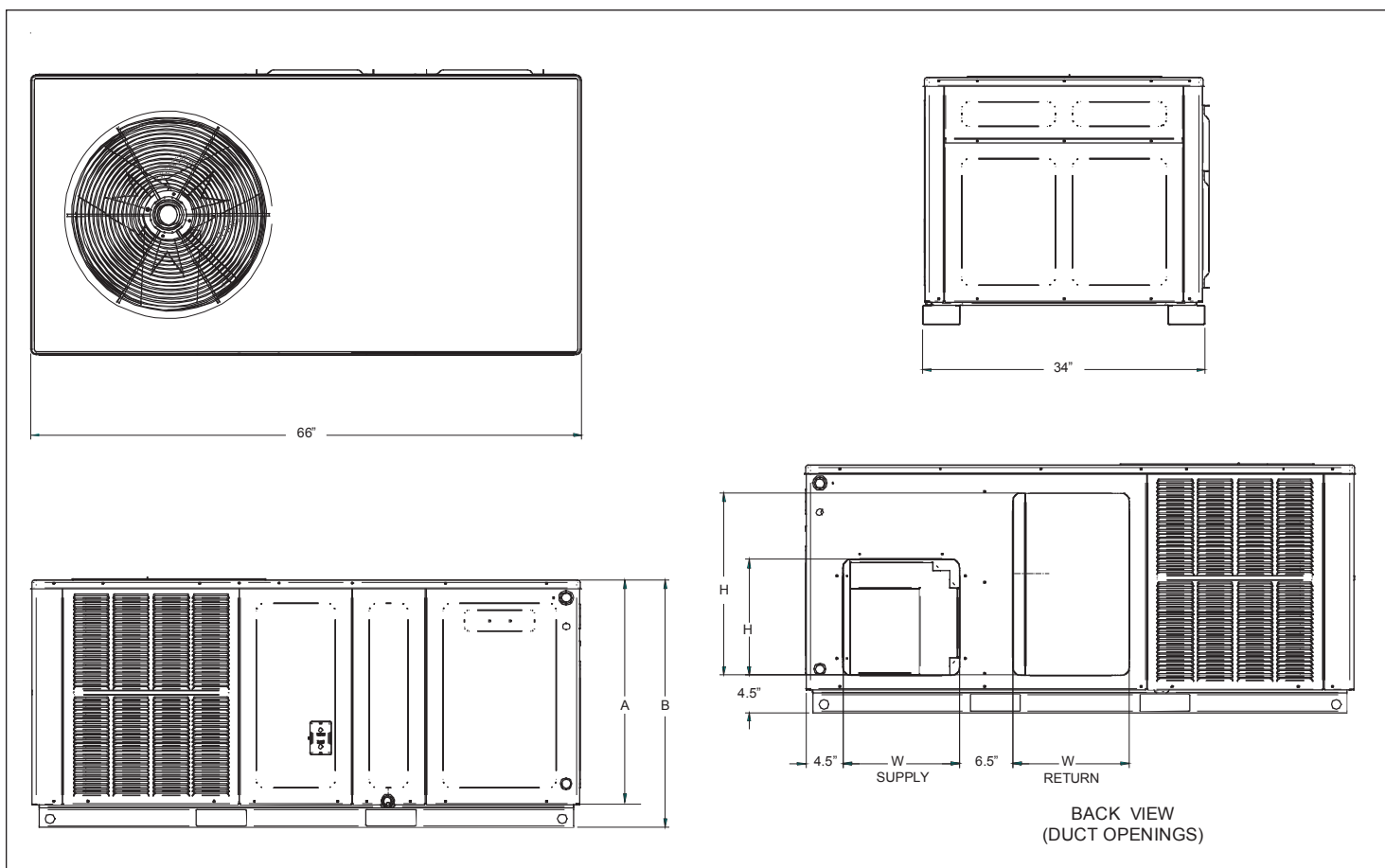


| MODEL     | SPEED* | VOLTS |              | E.S.P. (IN. OF H <sub>2</sub> O) |              |              |              |              |              |              |              |
|-----------|--------|-------|--------------|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|           |        |       |              | 0.10                             | 0.20         | 0.30         | 0.40         | 0.50         | 0.60         | 0.70         | 0.80         |
| GPHH32441 | 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 | 1,172<br>135                     | 1,121<br>145 | 1,068<br>155 | 1,012<br>164 | 953<br>175   | 892<br>186   | 832<br>184   | 762<br>203   |
|           | T4, T5 | 230   | CFM<br>Watts | 1,231<br>168                     | 1,179<br>180 | 1,127<br>193 | 1,074<br>205 | 1,022<br>218 | 969<br>230   | 917<br>243   | 865<br>255   |
| GPHH33041 | T1     | 230   | CFM<br>Watts | 864<br>72                        | 808<br>82    | 757<br>91    | 695<br>103   | 636<br>107   | 567<br>115   | 494<br>123   | 437<br>131   |
|           | T2,T3  | 230   | CFM<br>Watts | 1,323<br>179                     | 1,270<br>190 | 1,220<br>199 | 1,171<br>209 | 1,119<br>219 | 1,060<br>230 | 997<br>240   | 945<br>248   |
|           | T4, T5 | 230   | CFM<br>Watts | 1,404<br>235                     | 1,362<br>246 | 1,321<br>257 | 1,271<br>272 | 1,238<br>284 | 1,191<br>289 | 1,150<br>300 | 1,105<br>309 |
| GPHH33641 | T1     | 230   | CFM<br>Watts | 1,161<br>139                     | 1,113<br>150 | 1,076<br>163 | 1,034<br>172 | 994<br>184   | 949<br>194   | 889<br>207   | 837<br>218   |
|           | T2,T3  | 230   | CFM<br>Watts | 1,379<br>216                     | 1,343<br>229 | 1,305<br>241 | 1,265<br>254 | 1,226<br>264 | 1,190<br>276 | 1,148<br>285 | 1,108<br>296 |
|           | T4, T5 | 230   | CFM<br>Watts | 1,542<br>291                     | 1,502<br>301 | 1,462<br>314 | 1,427<br>327 | 1,392<br>339 | 1,352<br>349 | 1,316<br>359 | 1,280<br>371 |
| GPHH34241 | T1     | 230   | CFM<br>Watts | 1,271<br>168                     | 1,214<br>177 | 1,167<br>188 | 1,127<br>200 | 1,095<br>214 | 1,052<br>224 | 1,013<br>235 | 971<br>249   |
|           | T2,T3  | 230   | CFM<br>Watts | 1,491<br>245                     | 1,451<br>258 | 1,406<br>268 | 1,369<br>281 | 1,335<br>294 | 1,295<br>305 | 1,262<br>318 | 1,226<br>330 |
|           | T4, T5 | 230   | CFM<br>Watts | 1,736<br>356                     | 1,679<br>372 | 1,638<br>382 | 1,598<br>395 | 1,558<br>408 | 1,520<br>422 | 1,484<br>433 | 1,441<br>442 |
| GPHH34841 | T1     | 230   | CFM<br>Watts | 1,337<br>179                     | 1,297<br>190 | 1,218<br>203 | 1,155<br>210 | 1,118<br>225 | 1,088<br>243 | 1,022<br>249 | 989<br>268   |
|           | T2/T3  | 230   | CFM<br>Watts | 1,758<br>394                     | 1,715<br>406 | 1,674<br>418 | 1,637<br>430 | 1,596<br>443 | 1,557<br>455 | 1,518<br>466 | 1,474<br>474 |
|           | T4/T5  | 230   | CFM<br>Watts | 2,002<br>498                     | 1,935<br>521 | 1,885<br>516 | 1,827<br>534 | 1,767<br>551 | 1,732<br>567 | 1,669<br>571 | 1,618<br>574 |
| GPHH36041 | T1     | 230   | CFM<br>Watts | 1,418<br>212                     | 1,357<br>219 | 1,315<br>227 | 1,274<br>236 | 1,239<br>243 | 1,193<br>252 | 1,148<br>266 | 1,102<br>275 |
|           | T2,T3  | 230   | CFM<br>Watts | 1,862<br>437                     | 1,812<br>447 | 1,763<br>454 | 1,719<br>461 | 1,685<br>473 | 1,649<br>480 | 1,615<br>483 | 1,583<br>493 |
|           | T4, T5 | 230   | CFM<br>Watts | 1,933<br>491                     | 1,886<br>499 | 1,838<br>506 | 1,796<br>519 | 1,759<br>527 | 1,723<br>534 | 1,693<br>539 | 1,669<br>550 |

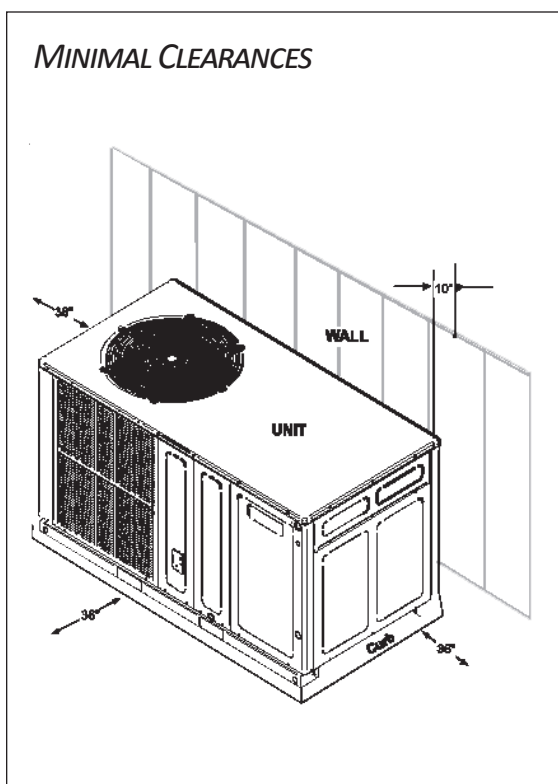
\* Speed set at T2 at factory.

**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> | MOD <sup>2</sup> | MCA <sup>1</sup> | MOD <sup>2</sup> | MCA <sup>1</sup> | MOP <sup>2</sup> |                          |
| <b>GPHH32441**</b>          | 1.9              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 46               | 50               | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 57               | 60               | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 70               | 80               | 9.5 / 32,400             |
| <b>GPHH33041**</b>          | 2.3              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 47               | 50               | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 59               | 60               | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 72               | 80               | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 97               | 100              | 14.25 / 48,600           |
| <b>GPHH33641**</b>          | 2.3              | ---              | ---              | ---              | --               | --               | ---                      |
| HKR-05*, HKR-05C*           | 21 / 25          | 25 / 25          | ---              | ---              | 50.7             | 60               | 4.75 / 16,200            |
| HKR-08*, HKR-08C*           | 32 / 36          | 35 / 40          | ---              | ---              | 62.4             | 70               | 7 / 23,800               |
| HKR-10*, HKR-10C*           | 43 / 49          | 45 / 50          | ---              | ---              | 75.5             | 80               | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 100.2            | 110              | 14.25 / 48,600           |
| <b>GPHH34241**</b>          | 3.6              | ---              | ---              | ---              | --               | --               | ---                      |
| HKP-05C*                    | 21 / 25          | 25 / 25          | ---              | ---              | 52               | 60               | 4.75 / 16,200            |
| HKR-08C*                    | 32 / 36          | 35 / 40          | ---              | ---              | 64               | 70               | 7 / 23,800               |
| HKP-10C*                    | 43 / 49          | 45 / 50          | ---              | ---              | 77               | 80               | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 102              | 110              | 14.25 / 48,600           |
| <b>GPHH34841**</b>          | 3.6              | ---              | ---              | ---              | --               | --               | ---                      |
| HKP-20C                     | 43 / 49          | 45 / 50          | 43 / 49          | 45 / 50          | 127              | 150              | 19.0 / 64,800            |
| HKP-05C*                    | 21 / 25          | 25 / 25          | ---              | ---              | 56               | 70               | 4.75 / 16,200            |
| HKR-08C*                    | 32 / 36          | 35 / 40          | ---              | ---              | 68               | 80               | 7 / 23,800               |
| HKP-10C*                    | 43 / 49          | 45 / 50          | ---              | ---              | 81               | 90               | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 106              | 110              | 14.25 / 48,600           |
| <b>GPHH36041**</b>          | 7.5              | ---              | ---              | ---              | --               | --               | ---                      |
| HKP-20C                     | 43 / 49          | 45 / 50          | 43 / 49          | 45 / 50          | 131              | 150              | 19.0 / 64,800            |
| HKP-05C*                    | 21 / 25          | 25 / 25          | ---              | ---              | 65               | 80               | 4.75 / 16,200            |
| HKR-08C*                    | 32 / 36          | 35 / 40          | ---              | ---              | 76               | 90               | 7 / 23,800               |
| HKP-10C*                    | 43 / 49          | 45 / 50          | ---              | ---              | 89               | 100              | 9.5 / 32,400             |
| HKP-15C*                    | 43 / 49          | 45 / 50          | 21 / 25          | 25 / 25          | 114              | 125              | 14.25 / 48,600           |

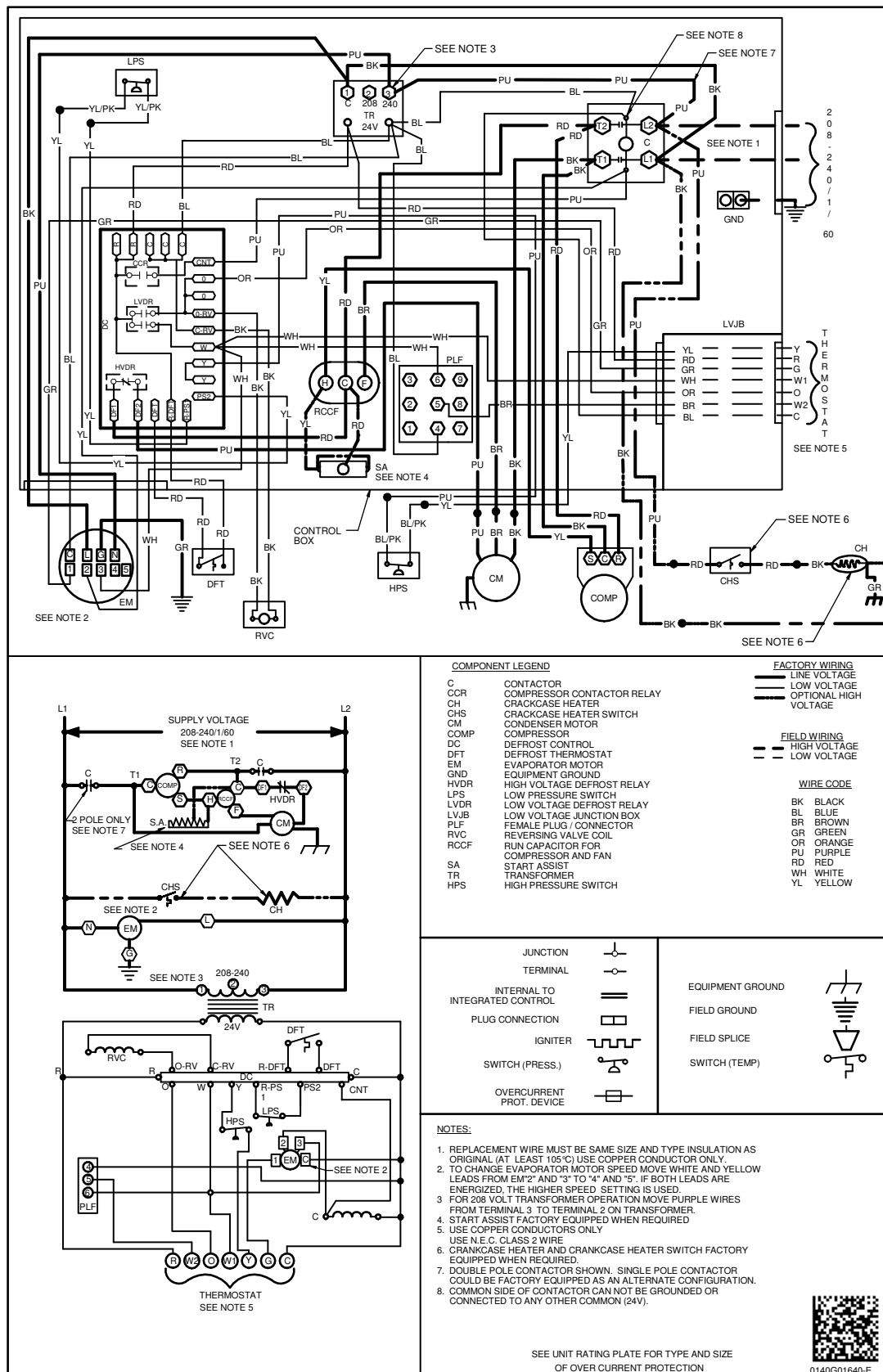


### MINIMAL CLEARANCES



| MODEL       | UNIT DIMENSIONS |    |        |     | CHASSIS SIZE |
|-------------|-----------------|----|--------|-----|--------------|
|             |                 |    | HEIGHT |     |              |
|             | W               | D  | A      | B   |              |
| GPHH32441** | 66              | 34 | 27½    | 30  | Small        |
| GPHH33041** | 66              | 34 | 27½    | 30  | Small        |
| GPHH33641** | 66              | 34 | 32½    | 35  | Medium       |
| GPHH34241** | 66              | 34 | 32½    | 35  | Medium       |
| GPHH34841** | 66              | 34 | 32½    | 35  | Medium       |
| GPHH36041** | 66              | 34 | 36     | 38½ | Large        |

| MODEL       | DUCT OPENINGS |    |        |    |
|-------------|---------------|----|--------|----|
|             | SUPPLY        |    | RETURN |    |
|             | W             | H  | W      | H  |
| GPHH32441** | 14            | 14 | 14     | 22 |
| GPHH33041** | 14            | 14 | 14     | 22 |
| GPHH33641** | 14            | 14 | 14     | 24 |
| GPHH34241** | 14            | 14 | 14     | 24 |
| GPHH34841** | 14            | 14 | 14     | 24 |
| GPHH36041** | 14            | 14 | 14     | 24 |



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

**WARNING**

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

| ACCESSORY<br>DESCRIPTION                         | ITEM NUMBER   |                      |
|--------------------------------------------------|---------------|----------------------|
|                                                  | SMALL CHASSIS | MEDIUM/LARGE CHASSIS |
| Downflow Economizer (use w/PCCP roof curb)       | DDNECNJPCHHA  | DDNECNJPCHHA         |
| Downflow Plenum Kit (use w/PCCP roof curb)       | PCP101-103    | PCP101-103           |
| Downflow Plenum Kit (R-8) (use w/PCCP roof curb) | PCP101-103 R8 | PCP101-103 R8        |
| Elbow Flashing w/R-8 Liner                       | PCEF101-103   | PCEF101-103          |
| Economizer Wiring Harness                        | 0259G00215    | 0259G00215           |
| External Horizontal Filter Rack                  | DPHFRA        | DPHFRA               |
| Horizontal Economizer                            | DHZECNJPCHM   | DHZECNJPCHM          |
| Inline Fuse Kit                                  | INFKPKG01     | INFKPKG01            |
| Isolation Relay Kit (req'd with Economizer)      | IRKT-01       | IRKT-01              |
| Manual Damper                                    | PCMD101-103   | PCMD101-103          |
| Manual Damper - Horizontal                       | GPHMD101-103  | GPHMD101-103         |
| Motorized Damper                                 | PCMDM101-103  | PCMDM101-103         |
| Outdoor Thermostat & Emergency Heat Relay Kit    | OT/EHR18-60   | OT/EHR18-60          |
| Outdoor Thermostat Kit w/ Lockout Stat           | OT18-60A      | OT18-60A             |
| Roof Curb                                        | PCCP101-103   | PCCP101-103          |
| Square to Round Downflow (use w/PCCP roof curb)  | SQRPC101      | SQRPC102-103         |
| Square to Round Horizontal                       | SQRPCH101     | SQRPCH102-103        |

### ***SINGLE-POINT KIT ACCESSORY KITS***

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

| MODEL       | SINGLE-POINT KIT |
|-------------|------------------|
| GPHH32441** | SPK-30           |
| GPHH33041** | SPK-35           |
| GPHH33641** | SPK-40           |
| GPHH34241** | SPK-45           |
| GPHH34841** | SPK-50           |
| GPHH36041** | SPK-60           |

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