

## Copeland Model # 6D & 6R Physical and Electrical Specifications

| MODEL                                      |            | 6DH2000 | 6DK2000 | 6DP2000 | 6DL2700 | 6DC2700 | 6DD2700 | 6DB3000 | 6DW3000 | 6DY3000 | 6DT3000 | 6DE3000 |
|--|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CAPACITY CONTROL                           |            | NO      | ONE     | TWO     | NO      | ONE     | TWO     | NO      | ONE     | TWO     | NO      | ONE     |
| NET OIL PRESSURE                           |            | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   |
| CYLINDERS                                  |            | 6       | 6       | 6       | 6       | 6       | 6       | 6       | 6       | 6       | 6       | 6       |
| BORE                                       |            | 2-11/16 | 2-11/16 | 2-11/16 | 2-11/16 | 2-11/16 | 2-11/16 | 2-11/16 | 2-11/16 | 2-11/16 | 2-15/16 | 2-15/16 |
| STROKE                                     |            | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2       | 2       | 2       | 2-3/16  | 2-3/16  |
| DISPLACEMENT CFH                           |            | 4530    | 4530    | 4530    | 4530    | 4530    | 4530    | 4137    | 4137    | 4137    | 5407    | 5407    |
| OIL GRADE                                  |            | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150     |
| OIL CHARGE OZ.                             |            | 140     | 140     | 140     | 140     | 140     | 140     | 140     | 140     | 140     | 255     | 255     |
| NET WEIGHT                                 |            | 435     | 435     | 435     | 566     | 566     | 566     | 500     | 500     | 500     | 530     | 530     |
| RATED<br>BTUH @<br>SST<br>LISTED X<br>1000 | R12 45°F   | 237.2   | 237.2   | 237.2   |         |         |         |         |         |         |         |         |
|  | R12 0°F    | 84.4    | 84.4    | 84.4    |         |         |         |         |         |         |         |         |
|  | R22 45°F   |         |         |         |         |         |         | 356.4   | 356.4   | 356.4   |         |         |
|  | R502 0°F   |         |         |         |         |         |         |         |         |         |         |         |
|  | R502-20°F  |         |         |         | 76.6    | 76.6    | 76.6    |         |         |         | 84.9    |         |
|  | R404a 20°F |         |         |         |         |         |         |         |         |         |         |         |
| MOTOR SIZE HP                              |            | 20      | 20      | 20      | 27      | 27      | 27      | 30      | 30      | 30      | 30      | 30      |
| ELECTRICAL DATA                            |            |         |         |         |         |         |         |         |         |         |         |         |
| 208-230<br>-3-<br>60                       | LRA        | 346.0   | 346.0   | 346.0   | 450.0   | 450.0   | 450.0   | 565     | 565     | 565     | 470.0   | 470.0   |
|  | RLA        | 75.0    | 75.0    | 75.0    | 80.8    | 80.8    | 80.8    | 105.0   | 105.0   | 105.0   | 111.0   | 111.0   |
|  | MCC        | 105.0   | 105.0   | 105.0   | 113.0   | 113.0   | 113.0   | 147.0   | 147.0   | 147.0   | 155.3   | 155.3   |
| 460<br>-3-<br>60                           | LRA        | 173.0   | 173.0   | 173.0   | 225.0   | 225.0   | 225.0   | 283     | 283     | 283     | 235.0   | 235.0   |
|  | RLA        | 37.5    | 37.5    | 37.5    | 40.4    | 40.4    | 40.4    | 47.8    | 47.8    | 47.8    | 55.5    | 55.5    |
|  | MCC        | 52.5    | 52.5    | 52.5    | 56.5    | 56.5    | 56.5    | 51.8    | 51.8    | 51.8    | 77.7    | 77.7    |
| 575<br>-3-<br>60                           | LRA        | 135.0   | 135.0   | 135.0   | ---     | ---     | ---     | 230.0   | 230.0   | 230.0   | 200.0   | 200.0   |
|  | RLA        | 30.0    | 30.0    | 30.0    | ---     | ---     | ---     | 40.0    | 40.0    | 40.0    | 40.0    | 40.0    |
|  | MCC        | 42.0    | 42.0    | 42.0    | ---     | ---     | ---     | 56.0    | 56.0    | 56.0    | ---     | ---     |

Conditions: 130° Condensing Temperature, 0° to 15° Subcooling, Superheat Varies, 65° Return Gas Temperature.

| 6DF3000 | 6DG3500 | 6DM3500 | 6DN3500 | 6DH3500 | 6DK3500 | 6DP3500 | 6DJ4000 | 6DR4000 | 6DS4000 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| TWO     | NO      | ONE     | TWO     | NO      | ONE     | TWO     | NO      | ONE     | TWO     |
| 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   | 20-60   |
| 6       | 6       | 6       | 6       | 6       | 6       | 6       | 6       | 6       | 6       |
| 2-15/16 | 2-13/16 | 2-13/16 | 2-13/16 | 2-11/16 | 2-11/16 | 2-11/16 | 2-15/16 | 2-15/16 | 2-15/16 |
| 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  | 2-3/16  |
| 5407    | 4955    | 4955    | 4955    | 4530    | 4530    | 4530    | 5404    | 5404    | 5404    |
| 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150     | 150     |
| 255     | 140     | 140     | 140     | 140     | 140     | 140     | 255     | 255     | 255     |
| 530     | 502     | 502     | 502     | 571     | 571     | 571     | 548     | 548     | 548     |
|         |         |         |         |         |         |         |         |         |         |
|         |         |         |         |         |         |         |         |         |         |
|         | 422.1   | 422.1   | 422.1   |         |         |         | 466.7   | 466.7   | 466.7   |
|         |         |         |         | 144.4   |         |         | 167.7   | 167.7   | 167.7   |
|         |         |         |         |         |         |         |         |         |         |
|         |         |         |         | 207.4   | 207.4   | 207.4   | 245.9   | 245.9   | 245.9   |
| 30      | 35      | 35      | 35      | 35      | 35      | 35      | 40      | 40      | 40      |
|         |         |         |         |         |         |         |         |         |         |
| 470.0   | 594.0   | 594.0   | 594.0   | 565.0   | 565.0   | 565.0   | 594.0   | 594.0   | 594.0   |
| 111.0   | 125.0   | 125.0   | 125.0   | 175.0   | 175.0   | 175.0   | 14.0    | 142.0   | 142.0   |
| 155.3   | 175.0   | 175.0   | 175.0   | 125.0   | 125.0   | 125.0   | 198.0   | 198.0   | 198.0   |
| 235.0   | 297.0   | 297.0   | 297.0   | 283.0   | 283.0   | 283.0   | 297.0   | 297.0   | 297.0   |
| 55.5    | 62.5    | 62.5    | 62.5    | 6.5     | 6.5     | 6.5     | 71.0    | 71.0    | 71.0    |
| 77.7    | 87.5    | 87.5    | 87.5    | 87.5    | 87.5    | 87.5    | 99.0    | 99.0    | 99.0    |
| 200.0   | 245.0   | 245.0   | 245.0   | 230.0   | 230.0   | 230.0   | 245.0   | 245.0   | 245.0   |
| 40.0    | 46.0    | 46.0    | 46.0    | 42.5    | 42.5    | 42.5    | 53.5    | 53.5    | 53.5    |
| ---     | 64.4    | 64.4    | 64.4    | 59.5    | 59.5    | 59.5    | 74.9    | 74.9    | 74.9    |