

ZP182KCE-TFD  
HFC, R-410A, 60 Hz, 3 - Phase, 460 V , [Also Available with Variable Frequency Drives](#)

Air Conditioning

**Production Status:** Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

| Performance                |            |         | Mechanical                   |                                                                                     |  |
|----------------------------|------------|---------|------------------------------|-------------------------------------------------------------------------------------|--|
| Evaporator Temp. (°F)      | 45.00      | 35      | Displacement (in^3/Rev):     | 10.20                                                                               |  |
| Condensing Temp. (°F)      | 130.00     | 120     | Displacement (ft^3/Hr):      |                                                                                     |  |
| Return Gas Temp. (°F)      | 65.00      | 55      | Overall Length (in):         | 10.38                                                                               |  |
| Liquid Temp. (°F)          | 115.00     | 105     | Overall Width (in):          | 11.23                                                                               |  |
| Capacity (BTU/hr)          | 183000     | 163000  | Overall Height (in):         | 21.72                                                                               |  |
| Power (W):                 | 16300      | 14400   | Mounting Length (in):        | 7.50                                                                                |  |
| Current (Amps):            | 26.3       | 24.1    | Mounting Width (in):         | 7.50                                                                                |  |
| EER(BTU/Wh):               | 11.2       | 11.3    | Mounting Height (in):        | 23.03                                                                               |  |
| Mass Flow (lbs/hr):        | 2690       | 2270    | Suction Size (in),Type:      | 1 3 / 8 Stub                                                                        |  |
| Sound Data @               |            |         | Discharge Size (in),Type:    | 7 / 8 Stub                                                                          |  |
| Sound Power (dBA):         | 82 Avg     | 87 Max  | Initial Oil Charge (oz):     | 110                                                                                 |  |
| Vibration mils(peak-peak): | 3.0 Avg    | 4.5 Max | Oil Recharge (oz):           | 106                                                                                 |  |
| Record Date:               | 2017-03-22 |         | Oil Type:                    | 3MA                                                                                 |  |
|                            |            |         | Net Weight (lbs):            | 146.0                                                                               |  |
|                            |            |         | Internal Free Volume (in^3): | 856.0                                                                               |  |
|                            |            |         | Horse Power:                 | *Overall compressor height on Copeland Brand Product's specified mounting grommets. |  |

| Electrical                                                  |            | Capacitors                 |         |         |          |                        |
|-------------------------------------------------------------|------------|----------------------------|---------|---------|----------|------------------------|
| LRA High* (Amps):                                           | 179.0      | Type                       | Part No | Low MFD | High MFD | Volts User Description |
| LRA Low*(Amps):                                             |            | No data available in table |         |         |          |                        |
| LRA Half Winding (Amps):                                    |            |                            |         |         |          |                        |
| MCC (Amps):                                                 | 41         |                            |         |         |          |                        |
| Max Operating Current (Amps):                               | 34.0       |                            |         |         |          |                        |
| RLA, MCC/1.4(use for contactor selection)(Amps):            | 29.3       |                            |         |         |          |                        |
| RLA, MCC/1.56(use for breaker & wire size selection)(Amps): | 26.3       |                            |         |         |          |                        |
| RPM:                                                        | 3500       |                            |         |         |          |                        |
| Box IP :                                                    | 21         |                            |         |         |          |                        |
| UL File No:                                                 | SA-2337    |                            |         |         |          |                        |
| UL File Date:                                               | 1996-09-27 |                            |         |         |          |                        |

European Pressure Equipment Directive (PED):

|                           |             |
|---------------------------|-------------|
| Fluid Group**:            | FG 2        |
| PS Low / High Side (BAR): | 29.5 / 45.0 |
| TS Min (°C):              | -35         |
| TS Max (°C):              | 50          |
| Volume (L) :              | 12.9 / 1.5  |

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

| Alternate Applications |         |       |           |                  |
|------------------------|---------|-------|-----------|------------------|
| Refrigerant            | Voltage | Phase | Frequency | Application      |
| R-410A HFC             | 380/420 | 3     | 50        | Air Conditioning |