

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **CECP3581T**

**1HP,1765RPM,3PH,60HZ,143TC,0524M,TEFC,F1**

| Part Detail |       |                |       |             |          |               |            |
|-------------|-------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | M     | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC    | Prod. Type:    | 0524M | Elec. Spec: | 05WGX014 | CD Diagram:   | CD0005     |
| Enclosure:  | TEFC  | Mfg Plant:     |       | Mech. Spec: | 05F007   | Layout:       | 05LYF007   |
| Frame:      | 143TC | Mounting:      | F1    | Poles:      | 04       | Created Date: | 07-26-2007 |
| Base:       | RG    | Rotation:      | R     | Insulation: | F        | Eff. Date:    | 09-01-2015 |
| Leads:      | 9#18  |                |       |             |          | Replaced By:  |            |
| Literature: |       | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP3258E

|              |              |    |  |      |      |      |  |  |   |    |    |   |
|--------------|--------------|----|--|------|------|------|--|--|---|----|----|---|
| CAT.NO.      | CECP3581T    |    |  |      |      |      |  |  |   |    |    |   |
| SPEC.        | 05F007X014G1 |    |  |      |      |      |  |  |   |    |    |   |
| HP           | 1            | TE |  |      |      |      |  |  |   |    |    |   |
| VOLTS        | 208-230/460  |    |  |      |      |      |  |  |   |    |    |   |
| AMP          | 3.3-3/1.5    |    |  |      |      |      |  |  |   |    |    |   |
| RPM          | 1765         |    |  |      |      |      |  |  |   |    |    |   |
| FRAME        | 143TC        |    |  |      | HZ   | 60   |  |  |   | PH | 3  |   |
| SER.F.       | 1.15         |    |  | CODE | N    | DES  |  |  | B |    | CL | F |
| RATING       | 40C AMB-CONT |    |  |      |      |      |  |  |   |    |    |   |
| SN           |              |    |  |      |      |      |  |  |   |    |    |   |
| DE           | 6205         |    |  |      | ODE  | 6205 |  |  |   |    |    |   |
| NEMA-NOM-EFF | 87.5         |    |  |      | PF   | 70   |  |  |   |    |    |   |
| G.MIN.EFF    | 85.5         |    |  | CC   | 010A |      |  |  |   |    |    |   |
| T. CODE      | T4           |    |  | T=   | 135  |      |  |  |   |    |    |   |

## Nameplate NP3261E

|             |              |                         |     |
|-------------|--------------|-------------------------|-----|
| SPEC.       | 05F007X014G1 |                         |     |
| D.E. BRG.   | 25BC02XP30X  |                         |     |
| O.D.E. BRG. | 25BC02XP30X  |                         |     |
| GREASE      | POLYREX EM   |                         |     |
| RPM MAX     | 2700         | MAX. KVAR               | N/A |
| BLANK       |              |                         |     |
| INV. TYPE   | PWM          |                         |     |
| T=          | 135          |                         |     |
| C HP FR     | 60           | C HP TO                 | 90  |
| CT HZ FROM  | 1.2          | CT HZ TO                | 60  |
| VT HZ FROM  | 0-           | VT HZ TO                | 60  |
| HTR-VOLTS   |              | HTR-AMPS                |     |
| HTR-WATTS   |              |                         |     |
|             |              | MAX. SPACE HEATER TEMP. |     |

| Parts List   |                                          |          |
|--------------|------------------------------------------|----------|
| Part Number  | Description                              | Quantity |
| SA161370     | SA 05F007X014G1                          | 1.000 EA |
| RA149925     | RA 05F007X014G1                          | 1.000 EA |
| 34FN3002B01  | EXTERNAL FAN, PLASTIC, .637/.639 HUB W/  | 1.000 EA |
| HW3201A05    | 3/8-16 EYEBOLT                           | 1.000 EA |
| 06CB1000A02G | CONDUIT BOX, MACH GRAY                   | 1.000 EA |
| RM1016       | LEAD SEPARATOR GASKET - 305/306 C.P.MOTO | 1.000 EA |
| 51XW2520A12  | SCREW, HEX SER SLT HD, ZN, 1/4-20 X .75  | 2.000 EA |
| 11XW1032G06  | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| HW3001B01    | BRASS CUP WASHER, FOR #8 SCREW           | 1.000 EA |
| 10XN2520S06  | 1/4 20X3/8 HX HD CAP S.S.                | 2.000 EA |
| WD1000B16    | T&B CX70TN TERMINAL                      | 2.000 EA |
| 35EP1102B03G | FREP TEFC 205 BRG,GRSR,RLF,.125 NPT DRAI | 1.000 EA |
| HW4500A19    | 1/4-28X1/4 SLOTTED PLUG F/S              | 1.000 EA |
| HW4500A17    | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HA4054       | SHORT T-DRAIN FITTING, .125" N.P.T.      | 1.000 EA |
| HW5100A05    | WVY WSHR F/205 & 304 BRGS                | 1.000 EA |
| 35EP1329A16G | PUEP ENCL 143-5TC 205 BRG,GRSR,RLF,NPT D | 1.000 EA |
| HW4500A19    | 1/4-28X1/4 SLOTTED PLUG F/S              | 1.000 EA |
| HW4500A17    | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HA4054       | SHORT T-DRAIN FITTING, .125" N.P.T.      | 1.000 EA |
| 51XN1032A20  | 10-32 X 1 1/4 HX WS SL SR                | 2.000 EA |
| HA3100A28    | THRUBOLT 10-32 X 8.187                   | 4.000 EA |
| 51XB1214A16  | 12-14X1.00 HXWSSLD SERTYB                | 1.000 EA |
| 35FH1000A01G | 35FH1000A01 W/GRAY FLUIDIZ               | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| 10XN2520A16            | 1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED | 3.000 EA |
| HW1001A25              | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 3.000 EA |
| WD4100A03              | DE-750 HEYCO PLUG 62MP0750 MICRO PLASTIC | 1.000 EA |
| 06CB1502A01G           | LIPPED CONDUIT BOX LID, MACH GRAY EPOXY  | 1.000 EA |
| 06GS1003               | GASKET, KOBX LID, 1/8" THICK BLACK NEOPR | 1.000 EA |
| 10XN2520A12            | O1/4-20X 3/4 HEX HEAD CAP                | 2.000 EA |
| HW1001A25              | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 2.000 EA |
| HW4600B32SP            | V-RING SLINGER 1.000 X 1.540 X .24 VITON | 1.000 EA |
| HA1005A03SP            | SLINGER, OD 1.750, ID .938, 205 BRG      | 1.000 EA |
| HW2501D13              | KEY, 3/16 SQ X 1.375                     | 1.000 EA |
| HA7000A01              | KEY RETAINER 7/8" DIA SHAFT              | 1.000 EA |
| MJ5001A27              | 32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL  | 0.001 QT |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| LB1115N                | LABEL,LIFTING DEVICE (ON ROLLS)          | 1.000 EA |
| LB1002N                | LABEL,MARINE DUTY (ON ROLLS)             | 1.000 EA |
| MJ1000A02              | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| MG1025N19              | WILKOFASST, 778.50, RELIANCE BLUE-GREEN  | 0.022 GA |
| LC0005E01              | CONN.DIA./WARNING LABEL (LC0005/LB1119N) | 1.000 EA |
| LB1449                 | DIV-2/NEC WARNING LABEL                  | 1.000 EA |
| NP3258E                | SS CP SUPER-E DIV-2 UL CSA-C US EEV CC   | 1.000 EA |
| NP3261E                | SS CP SUPER-E AUX DATA INFORMATION       | 1.000 EA |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| 36PA1000               | PKG GRP, PRINT PK1016A06                 | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1000/bx) 11/14 | 1.000 EA |

**AC Induction Motor Performance Data**

Record # 47106 - Typical performance - not guaranteed values

|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 05WGX014-R050 | <b>Type:</b> 0524M | <b>Enclosure:</b> TEFC |
|-------------------------------|--------------------|------------------------|

| Nameplate Data        |              |              |    | 460 V, 60 Hz:<br>High Voltage Connection |                |
|-----------------------|--------------|--------------|----|------------------------------------------|----------------|
| Rated Output (HP)     | 1            |              |    | Full Load Torque                         | 2.99 LB-FT     |
| Volts                 | 208-230/460  |              |    | Start Configuration                      | direct on line |
| Full Load Amps        | 3.3-3/1.5    |              |    | Breakdown Torque                         | 15.8 LB-FT     |
| R.P.M.                | 1765         |              |    | Pull-up Torque                           | 9.1 LB-FT      |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                      | 11 LB-FT       |
| NEMA Design Code      | B            | KVA Code     | N  | Starting Current                         | 15 A           |
| Service Factor (S.F.) | 1.15         |              |    | No-load Current                          | 1.02 A         |
| NEMA Nom. Eff.        | 87.5         | Power Factor | 70 | Line-line Res. @ 25°C                    | 12 Ω           |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load                  | 21°C           |
| S.F. Amps             |              |              |    | Temp. Rise @ S.F. Load                   | 26°C           |

**Load Characteristics 460 V, 60 Hz, 1 HP**

|                 |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
| Power Factor    | 28   | 48   | 60   | 70   | 77   | 81   | 74   |
| Efficiency      | 74.8 | 84.4 | 87   | 87.9 | 87.7 | 87.3 | 87.8 |
| Speed           | 1793 | 1785 | 1778 | 1770 | 1761 | 1753 | 1765 |
| Line amperes    | 1.07 | 1.18 | 1.33 | 1.53 | 1.76 | 2    | 1.67 |

## Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





