

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **CECP83665T-5**

**5HP,1750RPM,3PH,60HZ,184TC,0641M,TEFC,F1**

| Part Detail |       |                |       |             |          |               |            |
|-------------|-------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | S     | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC    | Prod. Type:    | 0642M | Elec. Spec: | 06WGX200 | CD Diagram:   | CD0006     |
| Enclosure:  | TEFC  | Mfg Plant:     |       | Mech. Spec: | 06H770   | Layout:       | 06LYH770   |
| Frame:      | 184TC | Mounting:      | F1    | Poles:      | 04       | Created Date: | 04-05-2012 |
| Base:       | RG    | Rotation:      | R     | Insulation: | F        | Eff. Date:    | 12-12-2016 |
| Leads:      | 3#16  |                |       |             |          | Replaced By:  |            |
| Literature: |       | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP3235E

|              |              |      |       |
|--------------|--------------|------|-------|
| CAT.NO.      | CECP83665T-5 |      |       |
| SPEC.        | 06H770X200G1 |      |       |
| HP           | 5            | TE   | IP 56 |
| VOLTS        | 575          |      |       |
| AMP          | 5.3          |      |       |
| RPM          | 1750         |      |       |
| FRAME        | 184TC        | HZ   | 60    |
| SER.F.       | 1.15         | CODE | J     |
| RATING       | 40C AMB-CONT |      |       |
| SN           |              |      |       |
| DE           | 6206         | ODE  | 6206  |
| NEMA-NOM-EFF | 89.5         | PF   | 79    |
| G.MIN.EFF    | 87.5         | CC   | 010A  |
| T. CODE      | T3C          | T=   | 160   |

|    |   |
|----|---|
| PH | 3 |
| CL | F |

## Nameplate NP3186E

|             |              |                         |      |
|-------------|--------------|-------------------------|------|
| SPEC.       | 06H770X200G1 |                         |      |
| D.E. BRG.   | 30BC02XP30X  |                         |      |
| O.D.E. BRG. | 30BC02X30X   |                         |      |
| GREASE      | POLYREX EM   |                         |      |
| WEIGHT      | 131          | # OF ROTOR BARS         | 28   |
| RPM MAX     | 2700         | MAX. KVAR               | 1.22 |
| BLANK       |              |                         |      |
| INV.TYPE    | PWM          | # OF STATOR SLOTS       | 36   |
| T=          | 160          |                         |      |
| C HP FR     | 60           | C HP TO                 | 90   |
| CT HZ FROM  | 1.7          | CT HZ TO                | 60   |
| VT HZ FROM  | 0-           | VT HZ TO                | 60   |
| HTR-VOLTS   | N/A          | HTR-AMPS                | N/A  |
| HTR-WATTS   |              | MAX. SPACE HEATER TEMP. | N/A  |

| Parts List   |                                          |          |
|--------------|------------------------------------------|----------|
| Part Number  | Description                              | Quantity |
| SA242298     | SA 06H770X200G1                          | 1.000 EA |
| RA229209     | RA 06H770X200G1                          | 1.000 EA |
| 36FN3000C01  | EXFN, PLASTIC, 5.25 OD, .912 ID          | 1.000 EA |
| HW3201A05    | 3/8-16 EYEBOLT                           | 1.000 EA |
| 06CB1001A01G | CONDUIT BOX, MACH GRAY                   | 1.000 EA |
| RM1016       | LEAD SEPARATOR GASKET - 305/306 C.P.MOTO | 1.000 EA |
| 51XW2520A12  | .25-20 X .75, TAPTITE II, HEX WSHR SLTD  | 2.000 EA |
| HW1001A25    | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 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 |
| WD1000B16    | T&B CX70TN TERMINAL                      | 2.000 EA |
| 10XN2520G06  | 1/4 20X3/8 HX HD CAP, GREEN              | 2.000 EA |
| 06PE1132A02G | FREP ASSEMBLY FOR ROUTING PURPOSES       | 1.000 EA |
| HW4601B24    | INPRO SEAL, 206 BRG, MINI66              | 1.000 EA |
| HW4500A32    | FIT./EXT 1698-B (ALEMITE)GREASE FITTING  | 1.000 EA |
| HA4051A00    | PLASTIC CAP FOR GREASE FITTING           | 1.000 EA |
| 51XN1032A28  | 10-32 X 1 3/4 HX WS SL SR                | 4.000 EA |
| HW4500A17    | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HA4010A01    | DRAIN PLUG,416 S.S.,W/ 1/4-28 THD & .076 | 1.000 EA |
| HW5100A06    | W2420-025 WVY WSHR (WB)                  | 1.000 EA |
| 36EP1300A88G | PUEP 206 LK'D BRG,GRSR & RLF,INPRO SEAL  | 1.000 EA |
| HW4601B26    | INPRO SEAL, 206 BRG, MINI66              | 1.000 EA |
| HW4500A01    | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HA4051A00    | PLASTIC CAP FOR GREASE FITTING           | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| HW4500A17              | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HA4002A01              | DRAIN PLUG STAINLESS STL                 | 1.000 EA |
| 10XN2520A24            | 1/4-20X 1 1/2 HEX HD X                   | 4.000 EA |
| HA3101A53              | THRUBOLT 1/4-20 X 10.50                  | 4.000 EA |
| XY2520A12              | 1/4-20 HEX NUT, DIRECTIONAL SERRATIONS   | 4.000 EA |
| 06FH1004A01G           | FAN HOUSING MACH, W/GRAY EPOXY           | 1.000 EA |
| 10XN2520A24            | 1/4-20X 1 1/2 HEX HD X                   | 3.000 EA |
| WD4100A02              | DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL  | 1.000 EA |
| 06CB1503A01G           | LIPPED CONDUIT BOX LID, MACH GRAY EPOXY  | 1.000 EA |
| 06GS1009               | GASKET, KOBX LID, 1/8" THICK BLACK NEOPR | 1.000 EA |
| 10XN2520A12            | O1/4-20X 3/4 HEX HEAD CAP                | 2.000 EA |
| MJ5004A59              | ADHESIVE LOCTITE #401 SURFACE INSENSITIV | 0.010 EA |
| HW2501E16              | 3KEY, 1/4 SQ X 1.750                     | 1.000 EA |
| HA7000A02              | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA  | 1.000 EA |
| MJ5001A27              | 32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL  | 0.001 QT |
| MJ1000A73              | INPRO P-80 ASSEMBLY LUB./ 1 QT. CONTAIN  | 0.001 QT |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 4.000 EA |
| LB1115N                | LABEL,LIFTING DEVICE (ON ROLLS)          | 1.000 EA |
| LT0019A00              | MOTOR NO-LOAD PERFORMANCE DATA SHEET     | 1.000 EA |
| WD1000D21              | TRM,T&B #B71M,RING,18-14,.25,NON-INSL    | 3.000 EA |
| MJ1000A02              | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| 51XB1214A16            | 12-14X1.00 HXWSSLD SERTYB                | 1.000 EA |
| MG1025N19              | WILKOFASST, 778.50, RELIANCE BLUE-GREEN  | 0.028 GA |
| LB1119N                | WARNING LABEL                            | 1.000 EA |

|          |                                          |          |
|----------|------------------------------------------|----------|
| LC0006   | CONNECTION LABEL                         | 1.000 EA |
| LB1449   | DIV-2/NEC WARNING LABEL                  | 1.000 EA |
| NP3235E  | SS IEEE841 DIV-2 UL CSA-C US EEV PREM    | 1.000 EA |
| NP3186E  | SS IEEE841 INV AUX DATA INFORMATION      | 1.000 EA |
| 36PA1001 | PKG GRP, PRINT PK1017A06                 | 1.000 EA |
| MN416A01 | TAG-INSTAL-MAINT no wire (1000/bx) 11/14 | 1.000 EA |

**AC Induction Motor Performance Data**

Record # 47632 - Typical performance - not guaranteed values

|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 06WGX200-R025 | <b>Type:</b> 0642M | <b>Enclosure:</b> TEFC |
|-------------------------------|--------------------|------------------------|

| Nameplate Data        |              |              |    | 575 V, 60 Hz:<br>Single Voltage Motor |                          |
|-----------------------|--------------|--------------|----|---------------------------------------|--------------------------|
| Rated Output (HP)     | 5            |              |    | Full Load Torque                      | 15 LB-FT                 |
| Volts                 | 575          |              |    | Start Configuration                   | direct on line           |
| Full Load Amps        | 5.3          |              |    | Breakdown Torque                      | 52.3 LB-FT               |
| R.P.M.                | 1750         |              |    | Pull-up Torque                        | 21.6 LB-FT               |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                   | 30.7 LB-FT               |
| NEMA Design Code      | B            | KVA Code     | J  | Starting Current                      | 36.3 A                   |
| Service Factor (S.F.) | 1.15         |              |    | No-load Current                       | 2.34 A                   |
| NEMA Nom. Eff.        | 89.5         | Power Factor | 79 | Line-line Res. @ 25°C                 | 4.27 Ω                   |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load               | 54°C                     |
| S.F. Amps             |              |              |    | Temp. Rise @ S.F. Load                | 67°C                     |
|                       |              |              |    | Locked-rotor Power Factor             | 40.6                     |
|                       |              |              |    | Rotor inertia                         | 0.391 LB-FT <sup>2</sup> |

**Load Characteristics 575 V, 60 Hz, 5 HP**

|                 |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
| Power Factor    | 42   | 64   | 76   | 81   | 84   | 85   | 81   |
| Efficiency      | 85.2 | 89.9 | 90.2 | 89.5 | 88.3 | 86.5 | 89   |
| Speed           | 1788 | 1777 | 1764 | 1751 | 1736 | 1719 | 1738 |
| Line amperes    | 2.61 | 3.26 | 4.13 | 5.14 | 6.31 | 7.59 | 5.97 |

## Performance Graph at 575V, 60Hz, 5.0HP Typical performance - Not guaranteed values





