

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **IDCSWDM3714T**

**10HP,1770RPM,3PH,60HZ,215TC,3756M,TEFC,F**

| Part Detail |       |                |       |             |          |               |            |
|-------------|-------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | W     | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC    | Prod. Type:    | 3756M | Elec. Spec: | 37WGT857 | CD Diagram:   | CD0180     |
| Enclosure:  | TEFC  | Mfg Plant:     |       | Mech. Spec: | 37H885   | Layout:       | 37LYH885   |
| Frame:      | 215TC | Mounting:      | F1    | Poles:      | 04       | Created Date: | 10-25-2006 |
| Base:       | RG    | Rotation:      | R     | Insulation: | H        | Eff. Date:    | 01-19-2017 |
| Leads:      | 9#14  |                |       |             |          | Replaced By:  |            |
| Literature: |       | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP1608L

|              |              |  |    |         |         |       |         |  |  |  |  |
|--------------|--------------|--|----|---------|---------|-------|---------|--|--|--|--|
| CAT NO       | IDCSWDM3714T |  |    |         |         |       |         |  |  |  |  |
| SPEC.        | 37H885T857G1 |  |    |         |         |       |         |  |  |  |  |
| FRAME        | 215TC        |  |    |         | HP      | 10    | TE      |  |  |  |  |
| VOLTS        | 230/460      |  |    |         |         |       |         |  |  |  |  |
| MAG CUR      | 11/5.5       |  |    |         |         | FLA   | 25/12.5 |  |  |  |  |
| RPM          | 1770         |  |    |         | RPM MAX | 6000  |         |  |  |  |  |
| HZ           | 60           |  |    | PH      | 3       | CLASS | H       |  |  |  |  |
| SER.F.       | 1.00         |  |    | DES     | B       | SL HZ | 1       |  |  |  |  |
| NEMA-NOM-EFF | 92.4         |  |    | WK2     | 1.38    |       |         |  |  |  |  |
| BLWR V       |              |  | PH |         | HZ      |       | A       |  |  |  |  |
| RATING       | 40C AMB-CONT |  |    |         |         |       |         |  |  |  |  |
| DE BRG       | 6307         |  |    | ODE BRG | 6206    |       |         |  |  |  |  |
| CC           | 010A         |  | SN |         |         |       |         |  |  |  |  |
|              |              |  |    |         |         |       |         |  |  |  |  |

| Parts List    |                                          |          |
|---------------|------------------------------------------|----------|
| Part Number   | Description                              | Quantity |
| SA151113      | SA 37H885T857G1                          | 1.000 EA |
| RA139945      | RA 37H885T857G1                          | 1.000 EA |
| 37FN3002B01   | EXFN, PLASTIC, 7.50 OD, 1.155 ID         | 1.000 EA |
| HW3200S01     | EYEBOLT 3/8-16 X3/4 S.S. TDR #35988      | 1.000 EA |
| 37CB3000A40MU | K.O. BOX-MODEL 37 NEMA 213-5 .75 NPT LEA | 1.000 EA |
| 37GS1025      | 37 MOLDED GASKET W/LIP, LEAD SEAL        | 1.000 EA |
| 51XW2520A12   | .25-20 X .75, TAPTITE II, HEX WSHR SLTD  | 2.000 EA |
| HA5027A04     | HA4054 T-DRAIN X2 BAGGED                 | 1.000 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 |
| 37EP3101A49MU | FR EP 37 L & M TEFC (FOR S.P. #9D)       | 1.000 EA |
| HW4500A33     | 1/8 NPT STAINLESS,HOLO-KROME #13002,PRES | 3.000 EA |
| HW5100A06     | W2420-025 WVY WSHR (WB)                  | 1.000 EA |
| 37EP3300A25MU | FACE MT EP-ENCL-307 BRG-213TC-215TC NO G | 1.000 EA |
| HW4500A33     | 1/8 NPT STAINLESS,HOLO-KROME #13002,PRES | 3.000 EA |
| HW4606A04     | JM CLIPPER/SEAL (LWE-1376-2125-AL45)     | 1.000 EA |
| 10XN2520S30   | 1/4-20 X 1 7/8 HEX HEAD SS               | 4.000 EA |
| XY3118S12     | 5/16-18 HEX NUT, STAINLESS STEEL         | 4.000 EA |
| 51XB1214A20   | 12-14X1.25 HXWSSLD SERTYB                | 1.000 EA |
| 37FH4000A45   | STAINLESS FAN COVER, NO GREASER SLOT (FO | 1.000 EA |
| 11XW1032S06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 3.000 EA |
| 36CB4517      | LIPPED CB LID #304 STAINLESS - CLEANED   | 1.000 EA |
| 37GS3010      | 1/16"WHITE LID GASKET                    | 1.000 EA |
| 59XW0832S07   | TAPTITE II,HEX WSHR UNSLTD SER,410 S.S., | 4.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| HW4600B74              | V-RING SLINGER 1.125 X 1.445 X .24 VITON | 1.000 EA |
| HW2502F21              | #303 SS,SQ KEY 5/16 X 2.375              | 1.000 EA |
| HA7000A02              | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA  | 1.000 EA |
| MJ5001A02              | 732 CL SEALANT 3 OZ DIXIE BEARING 289100 | 0.001 EA |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| LB1115N                | LABEL,LIFTING DEVICE (ON ROLLS)          | 1.000 EA |
| LB1164                 | LABEL,WARNING AND DRAIN                  | 1.000 EA |
| MJ1000A02              | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| HA3104S25              | THRUBOLT-5/16-18X14.75 SS                | 4.000 EA |
| LC0181                 | CONNECTION LABEL                         | 1.000 EA |
| NP1608L                | SS WD INV UL CSA CC REV MTG              | 1.000 EA |
| 37PA1039               | PALLET PACK GRP, PRINT PK1026A06         | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1000/bx) 11/14 | 1.000 EA |

## AC Induction Motor Performance Data

Page 1 of 1


**AC Induction Motor Performance Data**  
 Record # 37139  
 Typical performance - not guaranteed values

|                          |                    |                        |
|--------------------------|--------------------|------------------------|
| <b>Winding:</b> 37WGT857 | <b>Type:</b> 3756M | <b>Enclosure:</b> TEFC |
|--------------------------|--------------------|------------------------|

| Nameplate Data    |              |          | General Characteristics at 460 V, 60 Hz:<br>High Volt Connection |            |  |  |  |
|-------------------|--------------|----------|------------------------------------------------------------------|------------|--|--|--|
| Rated Output (HP) | 10           |          | Full Load Torque                                                 | 29.9 LB-FT |  |  |  |
| Volts             | 230/460      |          | Start Configuration                                              | DOL        |  |  |  |
| Full Load Amps    | 25/12.5      |          | Break Down Torque                                                | 102 LB-FT  |  |  |  |
| R.P.M.            | 1770         |          | Pull-Up Torque                                                   | 53.6 LB-FT |  |  |  |
| Hz                | 60           | Phase    | Locked-rotor Torque                                              | 74.2 LB-FT |  |  |  |
| NEMA Design Code  | B            | KVA Code | Starting Current                                                 | 105 Amps   |  |  |  |
| Service Factor    | 1            |          | No-load Current                                                  | 5.44 Amps  |  |  |  |
| NEMA Nom. Eff.    | 92.4         | P.F.     | Line-line Res. @ 25°C.                                           | 0.799 Ohms |  |  |  |
| Rating - Duty     | 40C AMB-CONT |          | Temp. Rise @ Rated Load                                          | 76°C       |  |  |  |
| S.F. Amps         |              |          | Temp. Rise @ S.F. Load                                           |            |  |  |  |

Load Characteristics at 460 Volts, 60 Hz, 10 HP

|                 |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
| Power Factor    | 43   | 65   | 76   | 81   | 83   | 84   |      |
| Efficiency      | 88   | 92.6 | 93.3 | 93   | 92.4 | 91.5 |      |
| Speed           | 1793 | 1786 | 1778 | 1770 | 1762 | 1752 |      |
| Line Amperes    | 6.18 | 7.79 | 10   | 12.5 | 15.3 | 18.3 |      |

Baldor Electric Company Fort Smith, Arkansas







