

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **JML1510T**

**7.5HP,1725RPM,1PH,60HZ,215JM,3744LC,OPEN**

| Part Detail |                     |                |        |             |         |               |            |
|-------------|---------------------|----------------|--------|-------------|---------|---------------|------------|
| Revision:   | C                   | Status:        | PRD/A  | Change #:   |         | Proprietary:  | No         |
| Type:       | AC                  | Prod. Type:    | 3744LC | Elec. Spec: | 37GW885 | CD Diagram:   | CD0017A02  |
| Enclosure:  | OPEN                | Mfg Plant:     |        | Mech. Spec: | 37K266  | Layout:       | 37LYK266   |
| Frame:      | 215JM               | Mounting:      | F1     | Poles:      | 04      | Created Date: | 03-04-2010 |
| Base:       | RG                  | Rotation:      | R      | Insulation: | B       | Eff. Date:    | 06-25-2014 |
| Leads:      | 2#10 A PH,2#14 B PH |                |        |             |         | Replaced By:  |            |
| Literature: |                     | Elec. Diagram: |        |             |         |               |            |

|                   |              |                |  |  |      |     |  |   |       |   |
|-------------------|--------------|----------------|--|--|------|-----|--|---|-------|---|
| Nameplate NP1256L |              |                |  |  |      |     |  |   |       |   |
| CAT.NO.           | JML1510T     |                |  |  |      |     |  |   |       |   |
| SPEC.             | 37K266W885G1 |                |  |  |      |     |  |   |       |   |
| HP                | 7.5          |                |  |  |      |     |  |   |       |   |
| VOLTS             | 230          |                |  |  |      |     |  |   |       |   |
| AMP               | 31           |                |  |  |      |     |  |   |       |   |
| RPM               | 1725         |                |  |  |      |     |  |   |       |   |
| FRAME             | 215JM        | HZ             |  |  | 60   | PH  |  | 1 |       |   |
| SER.F.            | 1.15         | CODE           |  |  | G    | DES |  | L | CLASS | B |
| NEMA-NOM-EFF      | 85.5         | PF             |  |  | 89   |     |  |   |       |   |
| RATING            | 40C AMB-CONT |                |  |  |      |     |  |   |       |   |
| CC                |              | USABLE AT 208V |  |  | 33   |     |  |   |       |   |
| DE                | 6309         | ODE            |  |  | 6206 |     |  |   |       |   |
| ENCL              | OPEN         | SN             |  |  |      |     |  |   |       |   |
|                   |              |                |  |  |      |     |  |   |       |   |

| Parts List  |                                          |          |
|-------------|------------------------------------------|----------|
| Part Number | Description                              | Quantity |
| SA191730    | SA 37K266W885G1                          | 1.000 EA |
| RA179389    | RA 37K266W885G1                          | 1.000 EA |
| HA6361A01   | LIFTING LUG FOR 37, 39 & 40 FRAME (AUTOP | 2.000 EA |
| 37CB3006    | 37 CB CASTING W/1.38 LEAD HOLE @ 6:00    | 1.000 EA |
| 51XW2520A12 | .25-20 X .75, TAPTITE II, HEX WSHR SLTD  | 2.000 EA |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 37EP3200A31 | FR ENDPLATE, 37L&M, OPEN, MACH, W/GREASE | 1.000 EA |
| HW4500A01   | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HW4500A17   | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HA1104A01   | RODENT SCREEN 37 FRAME 206 BRG FRONT END | 1.000 EA |
| 51XW1032A06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 4.000 EA |
| HW1000A10   | #10 FLAT WASHER (SAE)                    | 4.000 EA |
| SP1008A01   | BAFFLE, MODEL 36 & 37                    | 1.000 EA |
| 13XF0832A08 | 8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN | 2.000 EA |
| 10XN2520A12 | O1/4-20X 3/4 HEX HEAD CAP                | 2.000 EA |
| HW5100A06   | W2420-025 WVY WSHR (WB)                  | 1.000 EA |
| 37EP3401A18 | PUEP OPEN 309 BRG W/BAFFLE, GRS, REL, MF | 1.000 EA |
| 37AD2000A02 | BAFFLE PLATE, STAMPED PLATED             | 1.000 EA |
| 60XW0632A06 | 6-32 X 3/8 TORX HEAD SCREW TAPTITE II    | 4.000 EA |
| HW4500A01   | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HW4500A17   | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HA1222      | RODENT SCREEN - 37 C-FACE MOTORS         | 4.000 EA |
| 51XW1032A06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 4.000 EA |
| HW1000A10   | #10 FLAT WASHER (SAE)                    | 4.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| 10XN2520A36            | 1/4-20X 2 1/4 HEX HD X                   | 4.000 EA |
| HW1001A25              | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 4.000 EA |
| XY3118A12              | 5/16-18 HEX NUT DIRECTIONAL SERRATION    | 4.000 EA |
| HW4600A73              | SEAL 1.748 X 2.375 X 0.250 FACE SEALING  | 1.000 EA |
| 37CB4516               | LIPPED LID FOR 37 FRAME NEC KOBX         | 1.000 EA |
| 51XW0832A07            | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 EA |
| HW2501D13SP            | KEY, 3/16 SQ X 1.375                     | 1.000 EA |
| HA7000A01              | KEY RETAINER 7/8" DIA SHAFT              | 1.000 EA |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| MJ1000A75              | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| MG1000G27              | MED CHARCOAL METALLIC GREY               | 0.028 GA |
| SP5172A05              | 37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY | 1.000 EA |
| 37CB5005A01            | CAPACITOR BOX KIT, 37CB3802, OC3030F11,  | 1.000 EA |
| HA3104A35              | THRUBOLT .31-18 X 13.687                 | 4.000 EA |
| LB1119N                | WARNING LABEL                            | 1.000 EA |
| LB1125C01              | STD (STOCK) CARTON LABEL BALDOR WITH FLA | 1.000 EA |
| LC0017                 | CONN LABEL-1 PHASE-SINGLE VOLT-REV ROTNO | 1.000 EA |
| NP1256L                | ALUM UL CSA CC                           | 1.000 EA |
| G0PA1000               | SPCL PACKAGING                           | 1.000 EA |
| LB1506                 | LABEL "AMERICAN MADE" 1.50 X 1.00        | 1.000 EA |
| LB1115N                | LABEL,LIFTING DEVICE (ON ROLLS)          | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1200/bx) 10/13 | 1.000 EA |

**AC Induction Motor Performance Data**

Record # 11936 - Typical performance - not guaranteed values

|                               |                     |                        |
|-------------------------------|---------------------|------------------------|
| <b>Winding:</b> 37WGW885-R001 | <b>Type:</b> 3744LC | <b>Enclosure:</b> OPEN |
|-------------------------------|---------------------|------------------------|

| Nameplate Data        |              |              |    | 230 V, 60 Hz:<br>Single Voltage Motor |                                            |
|-----------------------|--------------|--------------|----|---------------------------------------|--------------------------------------------|
| Rated Output (HP)     | 7.5          |              |    | Full Load Torque                      | 22.5 LB-FT                                 |
| Volts                 | 230          |              |    | Start Configuration                   | direct on line                             |
| Full Load Amps        | 31           |              |    | Breakdown Torque                      | 52 LB-FT                                   |
| R.P.M.                | 1725         |              |    | Pull-up Torque                        | 41 LB-FT                                   |
| Hz                    | 60           | Phase        | 1  | Locked-rotor Torque                   | 53 LB-FT                                   |
| NEMA Design Code      | L            | KVA Code     | G  | Starting Current                      | 184 A                                      |
| Service Factor (S.F.) | 1.15         |              |    | No-load Current                       | 10.2 A                                     |
| NEMA Nom. Eff.        | 85.5         | Power Factor | 89 | Line-line Res. @ 25°C                 | 0.265 $\Omega$ A Ph<br>1.545 $\Omega$ B Ph |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load               | 62°C                                       |
| S.F. Amps             |              |              |    | Temp. Rise @ S.F. Load                | 81°C                                       |

## Load Characteristics 230 V, 60 Hz, 7.5 HP

|                 |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
| Power Factor    | 53   | 77   | 86   | 90   | 90   | 90   | 0    |
| Efficiency      | 75.6 | 87.1 | 88   | 85.6 | 82.7 | 77   | 0    |
| Speed           | 1790 | 1776 | 1760 | 1743 | 1719 | 1690 | 0    |
| Line amperes    | 11   | 15.6 | 21.5 | 28.9 | 37.2 | 47.6 | 33.9 |

## Performance Graph at 230V, 60Hz, 7.5HP Typical performance - Not guaranteed values





