

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **L1319T**

**1.5HP,1725RPM,1PH,60HZ,145T,3528L,OPEN,F**

| Part Detail |                     |                |       |             |          |               |            |
|-------------|---------------------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | F                   | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC                  | Prod. Type:    | 3528L | Elec. Spec: | 35WG0371 | CD Diagram:   | CD0001     |
| Enclosure:  | OPEN                | Mfg Plant:     |       | Mech. Spec: | 35DD001  | Layout:       | 35LYDD001  |
| Frame:      | 145T                | Mounting:      | F1    | Poles:      | 04       | Created Date: | 12-22-2009 |
| Base:       | RG                  | Rotation:      | R     | Insulation: | B        | Eff. Date:    | 03-17-2016 |
| Leads:      | 4#16 A PH,2#18 B PH |                |       |             |          | Replaced By:  |            |
| Literature: |                     | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP1256L

|              |              |  |      |                |     |     |      |   |       |    |     |
|--------------|--------------|--|------|----------------|-----|-----|------|---|-------|----|-----|
| CAT.NO.      | L1319T       |  |      |                |     |     |      |   |       |    |     |
| SPEC.        | 35DD001-0371 |  |      |                |     |     |      |   |       |    |     |
| HP           | 1.5          |  |      |                |     |     |      |   |       |    |     |
| VOLTS        | 115/230      |  |      |                |     |     |      |   |       |    |     |
| AMP          | 18/9         |  |      |                |     |     |      |   |       |    |     |
| RPM          | 1725         |  |      |                |     |     |      |   |       |    |     |
| FRAME        | 145T         |  |      |                | HZ  |     | 60   |   |       | PH | 1   |
| SER.F.       | 1.15         |  | CODE |                | K   | DES |      | L | CLASS |    | B   |
| NEMA-NOM-EFF | 68           |  |      | PF             |     | 74  |      |   |       |    |     |
| RATING       | 40C AMB-CONT |  |      |                |     |     |      |   |       |    |     |
| CC           |              |  |      | USABLE AT 208V |     |     |      |   |       |    | 9.5 |
| DE           | 6205         |  |      |                | ODE |     | 6203 |   |       |    |     |
| ENCL         | OPEN         |  | SN   |                |     |     |      |   |       |    |     |
|              |              |  |      |                |     |     |      |   |       |    |     |

| Parts List    |                                          |          |
|---------------|------------------------------------------|----------|
| Part Number   | Description                              | Quantity |
| SA189072      | SA 35DD001-0371                          | 1.000 EA |
| RA176791      | RA 35DD001-0371                          | 1.000 EA |
| EC1850A06SP   | ELEC CAP 115V 2.0 X 4.3 X                | 1.000 EA |
| NS2512A01     | INSULATOR, CONDUIT BOX X                 | 1.000 EA |
| 35CB3009      | 35 CB W/1.09 DIA. LEAD HOLE @ 6:         | 1.000 EA |
| 51XB1016A07   | 10-16 X 7/16 HXWSSLD SERTYB              | 2.000 EA |
| 11XW1032G06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 35FE3201A01   | FREP ASSEMBLY FOR ROUTING                | 1.000 EA |
| HW4500A01     | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| 51XW0832A07   | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| NS2501A01     | INSULATOR, CAPACITOR                     | 1.000 EA |
| 35CB4802A02SP | CAPACITOR COVER, STAMPED X               | 1.000 EA |
| 51XB1016A05   | 10-16X5/16HX WA SL SR TYB (F/S)          | 2.000 EA |
| HW5100A03     | WAVY WASHER (W1543-017)                  | 1.000 EA |
| 35PE3200A01   | PUEP ASSEMBLY FOR ROUTING PURPOSES       | 1.000 EA |
| HW4500A01     | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| XY1032A02     | 10-32 HEX NUT DIRECTIONAL SERRATION      | 4.000 EA |
| 35CB4521      | 35 LIPPED CB LID (GALV & PHOSPH)         | 1.000 EA |
| 51XW0832A07   | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 EA |
| HW2501D13     | 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 |
| WD1000A15     | 3-520132-2 AMP FLAG (4M/RL NON-CANC/NON- | 2.000 EA |
| MJ1000A02     | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| MG1000G27              | MED CHARCOAL METALLIC GREY 400-0096      | 0.017 GA |
| HA3100A18              | THRUBOLT 10-32 X 9.250                   | 4.000 EA |
| SP5051A24              | MODEL 35 TORQ STATIONARY SWITCH FOR "L"  | 1.000 EA |
| LC0001A01              | CONN LABEL / WARNING LABEL (LC0001 / LB1 | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1200/bx) 11/14 | 1.000 EA |
| NP1256L                | ALUM UL CSA CC                           | 1.000 EA |
| 35PA1066               | PKG GRP, PRINT      PK1008A06            | 1.000 EA |

| Accessories   |              |            |
|---------------|--------------|------------|
| Part Number   | Description  | Multiplier |
| 35-8764       | C FACE KIT   | A8         |
| 35EP1604A01SP | D-FLANGE KIT | A8         |

**AC Induction Motor Performance Data**

Record # 8061 - Typical performance - not guaranteed values

|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 35WG0371-R001 | <b>Type:</b> 3528L | <b>Enclosure:</b> OPEN |
|-------------------------------|--------------------|------------------------|

| Nameplate Data        |              |              |    | 230 V, 60 Hz:<br>High Voltage Connection |                                          |
|-----------------------|--------------|--------------|----|------------------------------------------|------------------------------------------|
| Rated Output (HP)     | 1.5          |              |    | Full Load Torque                         | 4.5 LB-FT                                |
| Volts                 | 115/230      |              |    | Start Configuration                      | direct on line                           |
| Full Load Amps        | 18/9         |              |    | Breakdown Torque                         | 10.5 LB-FT                               |
| R.P.M.                | 1725         |              |    | Pull-up Torque                           | 9.5 LB-FT                                |
| Hz                    | 60           | Phase        | 1  | Locked-rotor Torque                      | 13.5 LB-FT                               |
| NEMA Design Code      | L            | KVA Code     | K  | Starting Current                         | 51 A                                     |
| Service Factor (S.F.) | 1.15         |              |    | No-load Current                          | 5.8 A                                    |
| NEMA Nom. Eff.        | 68           | Power Factor | 74 | Line-line Res. @ 25°C                    | 1.89 $\Omega$ A Ph<br>1.09 $\Omega$ B Ph |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load                  | 55°C                                     |
| S.F. Amps             |              |              |    | Temp. Rise @ S.F. Load                   | 67°C                                     |

## Load Characteristics 230 V, 60 Hz, 1.5 HP

|                 |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
| Power Factor    | 39   | 56   | 70   | 74   | 82   | 84   | 79   |
| Efficiency      | 51   | 65   | 66   | 68   | 66   | 64.5 | 66.8 |
| Speed           | 1790 | 1780 | 1765 | 1738 | 1720 | 1690 | 1727 |
| Line amperes    | 6.05 | 6.6  | 7.75 | 9    | 10.6 | 12.6 | 9.96 |

## Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values







