

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **VL1304**

**.5HP,1725RPM,1PH,60HZ,56C,3418L,OPEN,F1**

| Part Detail       |              |                |       |                |          |               |            |       |   |
|-------------------|--------------|----------------|-------|----------------|----------|---------------|------------|-------|---|
| Revision:         | AB           | Status:        | PRD/A | Change #:      |          | Proprietary:  | No         |       |   |
| Type:             | AC           | Prod. Type:    | 3418L | Elec. Spec:    | 34WG5510 | CD Diagram:   |            |       |   |
| Enclosure:        | OPEN         | Mfg Plant:     |       | Mech. Spec:    | 34F011   | Layout:       |            |       |   |
| Frame:            | 56C          | Mounting:      | F1    | Poles:         | 04       | Created Date: |            |       |   |
| Base:             | N            | Rotation:      | R     | Insulation:    | B        | Eff. Date:    | 06-09-2011 |       |   |
| Leads:            | 6#18         | Literature:    |       | Elec. Diagram: |          | Replaced By:  |            |       |   |
| Nameplate NP1256L |              |                |       |                |          |               |            |       |   |
| CAT.NO.           | VL1304       |                |       |                |          |               |            |       |   |
| SPEC.             | 34F11-5510   |                |       |                |          |               |            |       |   |
| HP                | .5           |                |       |                |          |               |            |       |   |
| VOLTS             | 115/230      |                |       |                |          |               |            |       |   |
| AMP               | 8.4/4.2      |                |       |                |          |               |            |       |   |
| RPM               | 1725         |                |       |                |          |               |            |       |   |
| FRAME             | 56C          | HZ             |       |                | 60       | PH            | 1          |       |   |
| SER.F.            | 1.25         | CODE           |       |                | K        | DES           | N          | CLASS | B |
| NEMA-NOM-EFF      | 62           | PF             |       |                | 62       |               |            |       |   |
| RATING            | 40C AMB-CONT |                |       |                |          |               |            |       |   |
| CC                |              | USABLE AT 208V |       |                | 4.8      |               |            |       |   |
| DE                | 6203         | ODE            |       |                | 6203     |               |            |       |   |
| ENCL              | OPEN         | SN             |       |                |          |               |            |       |   |
|                   | SFA 9.2/4.6  |                |       |                |          |               |            |       |   |

| Parts List    |                                          |          |
|---------------|------------------------------------------|----------|
| Part Number   | Description                              | Quantity |
| SA009968      | SA 34F11-5510                            | 1.000 EA |
| RA006413      | RA 34F11-5510                            | 1.000 EA |
| EC1270A02SP   | ELEC CAP, 270-324 MFD, 125V, 1.48D X 3.  | 1.000 EA |
| NS2512A01     | INSULATOR, CONDUIT BOX X                 | 1.000 EA |
| 34CB3002A     | CB CAST W/.88 DIA HOLE                   | 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 |
| 51XW0832A07   | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| SP1006A01     | TERM. BOARD, MODE 35 SW X H-23655        | 1.000 EA |
| 34EP3210A03SP | FR ENDPLATE, MACH                        | 1.000 EA |
| NS2500A01     | INSULATOR, AUTO THER PROT                | 1.000 EA |
| 34CB4800SP    | CAPACITOR COVER, STAMPED                 | 1.000 EA |
| 51XB1016A05   | 10-16X5/16HX WA SL SR TYB (F/S)          | 2.000 EA |
| HW5100A03SP   | WAVY WASHER (W1543-017)                  | 1.000 EA |
| 34EP3401A01SP | PU ENDPLATE, MACH                        | 1.000 EA |
| 51XN1032A20   | 10-32 X 1 1/4 HX WS SL SR                | 2.000 EA |
| 34AD2000      | BAFFLE PLATE, STAMPED                    | 1.000 EA |
| 51XT0632A06   | 6-32X3/8 TY23 HXWS SLDSR                 | 4.000 EA |
| 34FH4000A11   | DRIP COVER, STAMPED                      | 1.000 EA |
| 51XW1032A06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 EA |
| 34CB4517      | CB LID 4 MTG HOLES .22 DIA STAMPED, FOR  | 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 |
| HA7000A04     | KEY RETAINER 0.625 DIA SHAFTS            | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| MG1000G27              | PAINT- S9282E CHARCOAL GREY 55 GALLONS   | 0.014 GA |
| 10XF0440S02            | 04-40 X 1/8 TYPE F HEX HD STAINLESS STIC | 2.000 EA |
| SP5056A24              | MODEL 34 TYPE L STATIONARY SWITCH WITH L | 1.000 EA |
| HA3100A47              | THRUBOLT 10-32 X 7.625                   | 4.000 EA |
| LB1125C01              | STD (STOCK) CARTON LABEL BALDOR WITH FLA | 1.000 EA |
| LC0001A01              | CONN LABEL / WARNING LABEL (LC0001 / LB1 | 1.000 EA |
| NP1256L                | ALUM, UL CSA CC, W/O THERMAL, LASER      | 1.000 EA |
| 34PA1002               | PACKING GROUP, BALDOR                    | 1.000 EA |
| PK3083T                | STYROFOAM PACKING CRADLE W/TAPE          | 1.000 EA |

**Performance Data at 230V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)**
**General Characteristics**

|                                 |                                 |                             |            |
|---------------------------------|---------------------------------|-----------------------------|------------|
| <b>Full Load Torque:</b>        | 1.5 LB-FT                       | <b>Start Configuration:</b> | DOL        |
| <b>No-Load Current:</b>         | 3.4 Amps                        | <b>Break-Down Torque:</b>   | 4.35 LB-FT |
| <b>Line-line Res. @ 25°C.:</b>  | 4.24 Ohms A Ph / 3.24 Ohms B Ph | <b>Pull-Up Torque:</b>      | 3.75 LB-FT |
| <b>Temp. Rise @ Rated Load:</b> | 59 C                            | <b>Locked-Rotor Torque:</b> | 5.03 LB-FT |
| <b>Temp. Rise @ S.F. Load:</b>  | 68 C                            | <b>Starting Current:</b>    | 18.0 Amps  |

**Load Characteristics**

| % of Rated Load      | 25     | 50     | 75     | 100    | 125    | 150    | S.F.   |
|----------------------|--------|--------|--------|--------|--------|--------|--------|
| <b>Power Factor:</b> | 30.0   | 42.0   | 53.0   | 62.0   | 69.0   | 77.0   | 69.0   |
| <b>Efficiency:</b>   | 36.0   | 52.0   | 60.0   | 64.0   | 65.0   | 65.0   | 65.0   |
| <b>Speed:</b>        | 1780.0 | 1765.0 | 1750.0 | 1730.0 | 1711.0 | 1685.0 | 1711.0 |
| <b>Line Amperes:</b> | 3.45   | 3.6    | 3.85   | 4.2    | 4.6    | 5.2    | 4.6    |

## Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





