

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **AOM3614T**

**2HP,1160RPM,3PH,60HZ,184T,3627M,TEAO,F1**

| Part Detail |                |                |       |             |          |               |            |
|-------------|----------------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | C              | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC             | Prod. Type:    | 3627M | Elec. Spec: | 36WGS950 | CD Diagram:   | CD0005     |
| Enclosure:  | TEAO           | Mfg Plant:     |       | Mech. Spec: | 36G256   | Layout:       | 36LYG256   |
| Frame:      | 184T           | Mounting:      | F1    | Poles:      | 06       | Created Date: | 09-17-2012 |
| Base:       | RG             | Rotation:      | R     | Insulation: | F        | Eff. Date:    | 05-18-2015 |
| Leads:      | 9#16 36"LONG Y |                |       |             |          | Replaced By:  |            |
| Literature: |                | Elec. Diagram: |       |             |          |               |            |

|                   |                    |                |      |     |   |       |   |
|-------------------|--------------------|----------------|------|-----|---|-------|---|
| Nameplate NP1256L |                    |                |      |     |   |       |   |
| CAT.NO.           | AOM3614T           |                |      |     |   |       |   |
| SPEC.             | 36G256S950G1       |                |      |     |   |       |   |
| HP                | 2                  |                |      |     |   |       |   |
| VOLTS             | 208-230/460        |                |      |     |   |       |   |
| AMP               | 6.9-6.8/3.4        |                |      |     |   |       |   |
| RPM               | 1160               |                |      |     |   |       |   |
| FRAME             | 184T               | HZ             | 60   | PH  | 3 |       |   |
| SER.F.            | 1.00               | CODE           | J    | DES | B | CLASS | F |
| NEMA-NOM-EFF      | 81.5               | PF             | 68   |     |   |       |   |
| RATING            | 40C AMB-CONT       |                |      |     |   |       |   |
| CC                |                    | USABLE AT 208V |      |     |   |       |   |
| DE                | 6206               | ODE            | 6205 |     |   |       |   |
| ENCL              | TEAO               | SN             |      |     |   |       |   |
|                   | 1250 FPM AT 100CFM |                |      |     |   |       |   |

| Parts List  |                                          |          |
|-------------|------------------------------------------|----------|
| Part Number | Description                              | Quantity |
| SA251247    | SA 36G256S950G1                          | 1.000 EA |
| RA238089    | RA 36G256S950G1                          | 1.000 EA |
| 36CB3004    | 36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0 | 1.000 EA |
| 36GS1000SP  | GASKET-CONDUIT BOX, .06 THICK #SV-330 LE | 1.000 EA |
| 51XB1016A08 | 10-16X 1/2HXWSSLD SERTYB                 | 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 |
| 36EP3104B15 | FREP TENV 36 205 BRG W/GRSR(RAISED PADS) | 1.000 EA |
| HW4500A01   | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HW5100A05   | WVY WSHR F/205 & 304 BRGS                | 1.000 EA |
| 36EP3100A15 | ENDPLATE, MACH                           | 1.000 EA |
| HW4500A01   | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| 10XN2520A20 | 1/4-20X 1 1/4 HEX HD X                   | 2.000 EA |
| HW1001A25   | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 2.000 EA |
| XY2520A12   | 1/4-20 HEX NUT, DIRECTIONAL SERRATIONS   | 4.000 EA |
| 36CB4516    | 36 LIPPED CB LID                         | 1.000 EA |
| 37GS1001    | GASKET, CONDUIT BOX LID, .06 THICK LEXID | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 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 |
| 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               | 0.022 GA |
| HA3101A25   | THRUBOLT 1/4-20 X 11.000 OHIO ROD        | 4.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| LC0005E01              | CONN.DIA./WARNING LABEL (LC0005/LB1119N) | 1.000 EA |
| NP1256L                | ALUM UL CSA CC                           | 1.000 EA |
| 36PA1000               | PKG GRP, PRINT      PK1016A06            | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1200/bx) 11/14 | 1.000 EA |

| Accessories   |                                         |            |
|---------------|-----------------------------------------|------------|
| Part Number   | Description                             | Multiplier |
| 36-3301       | C FACE KIT                              | A8         |
| 36EP1304A62SP | FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS | A8         |

**AC Induction Motor Performance Data**

Record # 39808 - Typical performance - not guaranteed values

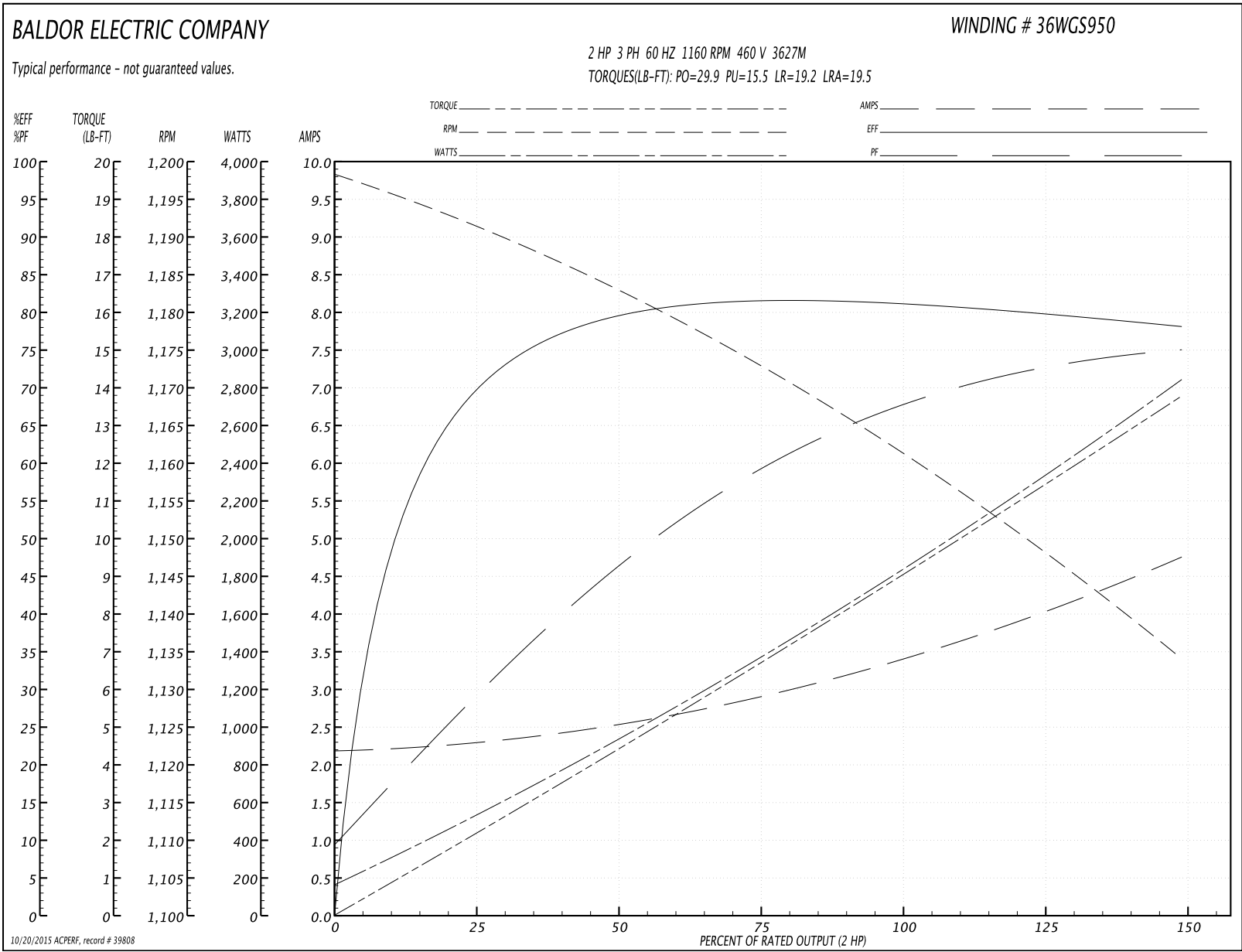
|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 36WGS950-R002 | <b>Type:</b> 3627M | <b>Enclosure:</b> TEAO |
|-------------------------------|--------------------|------------------------|

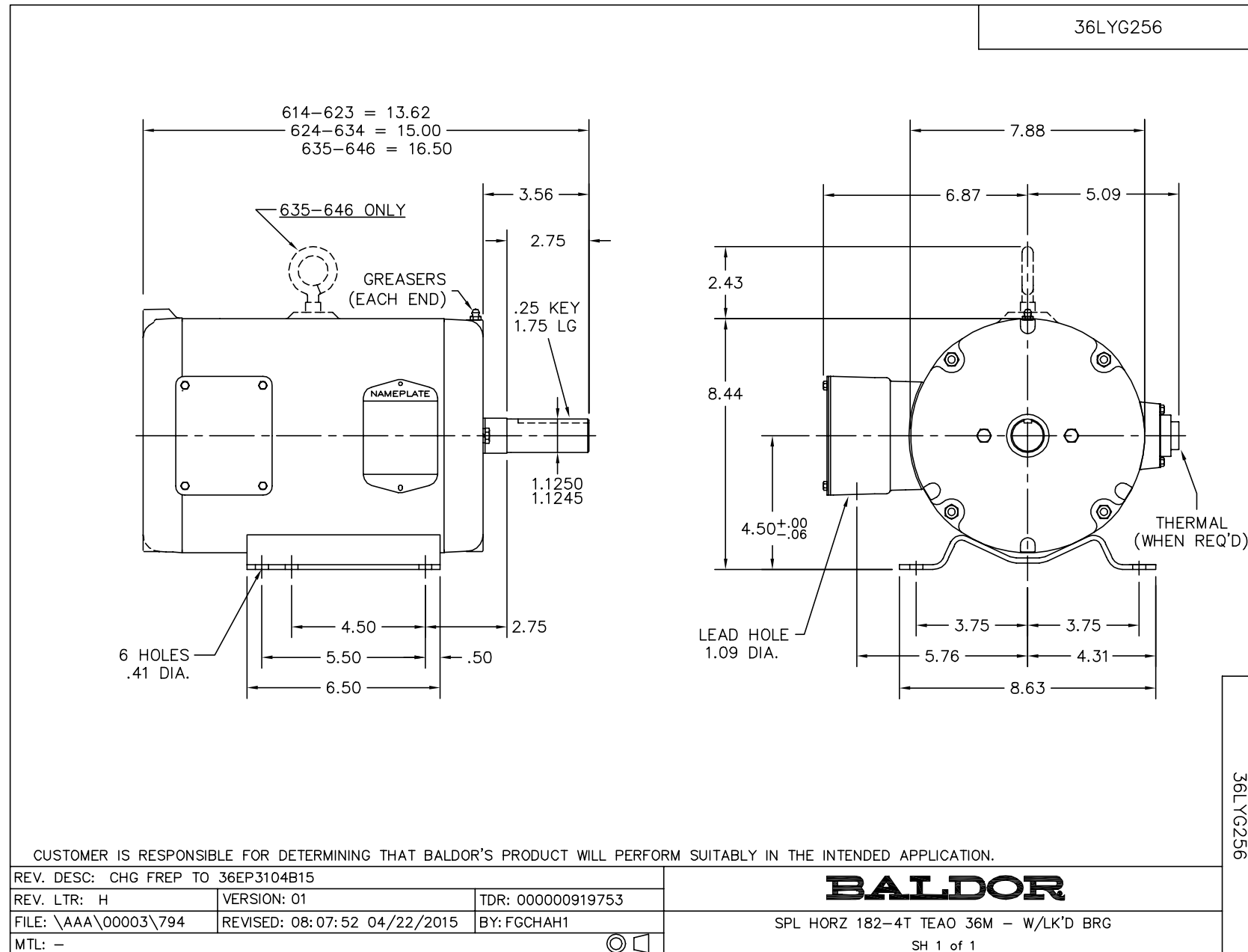
| Nameplate Data        |              |              |    | 460 V, 60 Hz:<br>High Voltage Connection |                          |
|-----------------------|--------------|--------------|----|------------------------------------------|--------------------------|
| Rated Output (HP)     | 2            |              |    | Full Load Torque                         | 9.03 LB-FT               |
| Volts                 | 208-230/460  |              |    | Start Configuration                      | direct on line           |
| Full Load Amps        | 6.9-6.8/3.4  |              |    | Breakdown Torque                         | 29.9 LB-FT               |
| R.P.M.                | 1160         |              |    | Pull-up Torque                           | 15.5 LB-FT               |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                      | 19.2 LB-FT               |
| NEMA Design Code      | B            | KVA Code     | J  | Starting Current                         | 19.5 A                   |
| Service Factor (S.F.) | 1            |              |    | No-load Current                          | 2.2 A                    |
| NEMA Nom. Eff.        | 81.5         | Power Factor | 68 | Line-line Res. @ 25°C                    | 9.0252 Ω                 |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load                  |                          |
|                       |              |              |    | Rotor inertia                            | 0.254 LB-FT <sup>2</sup> |

Load Characteristics 460 V, 60 Hz, 2 HP

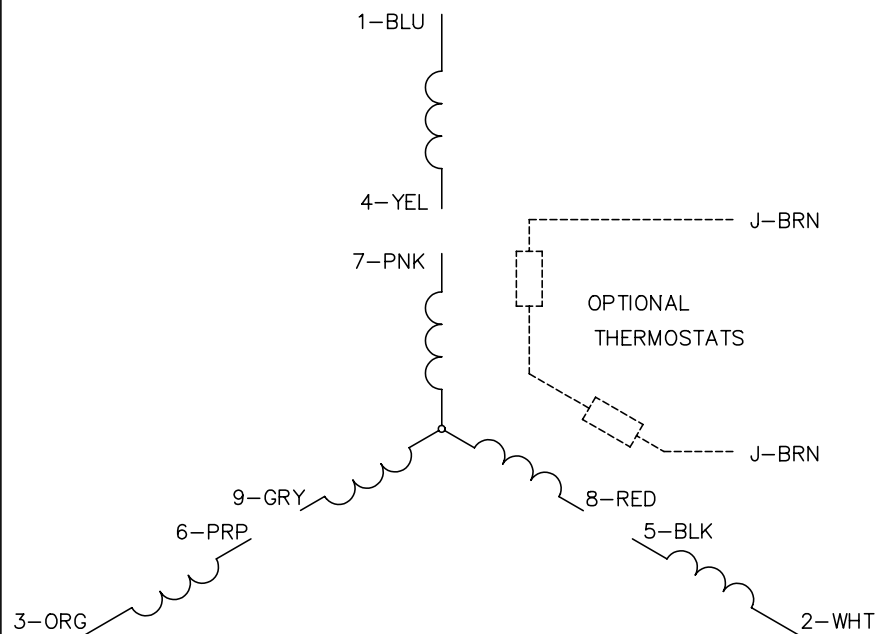
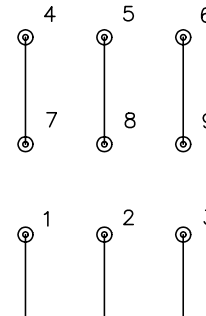
|                 |        |        |        |        |        |        |
|-----------------|--------|--------|--------|--------|--------|--------|
| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    |
| Power Factor    | 29     | 47     | 58     | 68     | 72     | 76     |
| Efficiency      | 68.9   | 78.9   | 81.4   | 81.8   | 80.3   | 78.1   |
| Speed           | 1191.1 | 1182.4 | 1173.2 | 1162.1 | 1149.5 | 1133.4 |
| Line amperes    | 2.27   | 2.52   | 2.91   | 3.38   | 4.03   | 4.74   |

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0005

LOW VOLTAGE  
(2Y)HIGH VOLTAGE  
(1Y)

## NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005