

BALDOR® • ***RELIANCE***

Product Information Packet

AOM3617T

1HP,860RPM,3PH,60HZ,182T,3623M,TEAO,F1,N

| Part Detail | | | | | | | |
|-------------|-----------------|----------------|-------|-------------|----------|---------------|------------|
| Revision: | D | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3623M | Elec. Spec: | 36WGT755 | CD Diagram: | CD0005 |
| Enclosure: | TEAO | Mfg Plant: | | Mech. Spec: | 36G256 | Layout: | 36LYG256 |
| Frame: | 182T | Mounting: | F1 | Poles: | 08 | Created Date: | 04-02-2013 |
| Base: | RG | Rotation: | R | Insulation: | B | Eff. Date: | 05-18-2015 |
| Leads: | 9#16 36" LONG Y | | | | | Replaced By: | |
| Literature: | | Elec. Diagram: | | | | | |

| | | | | | | | |
|--------------------------|--------------------|----------------|------|-----|---|-------|---|
| Nameplate NP1256L | | | | | | | |
| CAT.NO. | AOM3617T | | | | | | |
| SPEC. | 36G256T755H1 | | | | | | |
| HP | 1 | | | | | | |
| VOLTS | 208-230/460 | | | | | | |
| AMP | 4.9-4.4/2.2 | | | | | | |
| RPM | 860 | | | | | | |
| FRAME | 182T | HZ | 60 | PH | 3 | | |
| SER.F. | 1.00 | CODE | J | DES | B | CLASS | B |
| NEMA-NOM-EFF | 74 | PF | 56 | | | | |
| RATING | 40C AMB-CONT | | | | | | |
| CC | | USABLE AT 208V | | | | | |
| DE | 6206 | ODE | 6205 | | | | |
| ENCL | TEAO | SN | | | | | |
| | 825 FPM AT 100 CFM | | | | | | |

| Parts List | | |
|-------------|--|----------|
| Part Number | Description | Quantity |
| SA261071 | SA 36G256T755H1 | 1.000 EA |
| RA247811 | RA 36G256T755H1 | 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 |
| HA3101A23 | THRUBOLT 1/4-20 X 9.625 DEMBY | 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 # 36939 - Typical performance - not guaranteed values

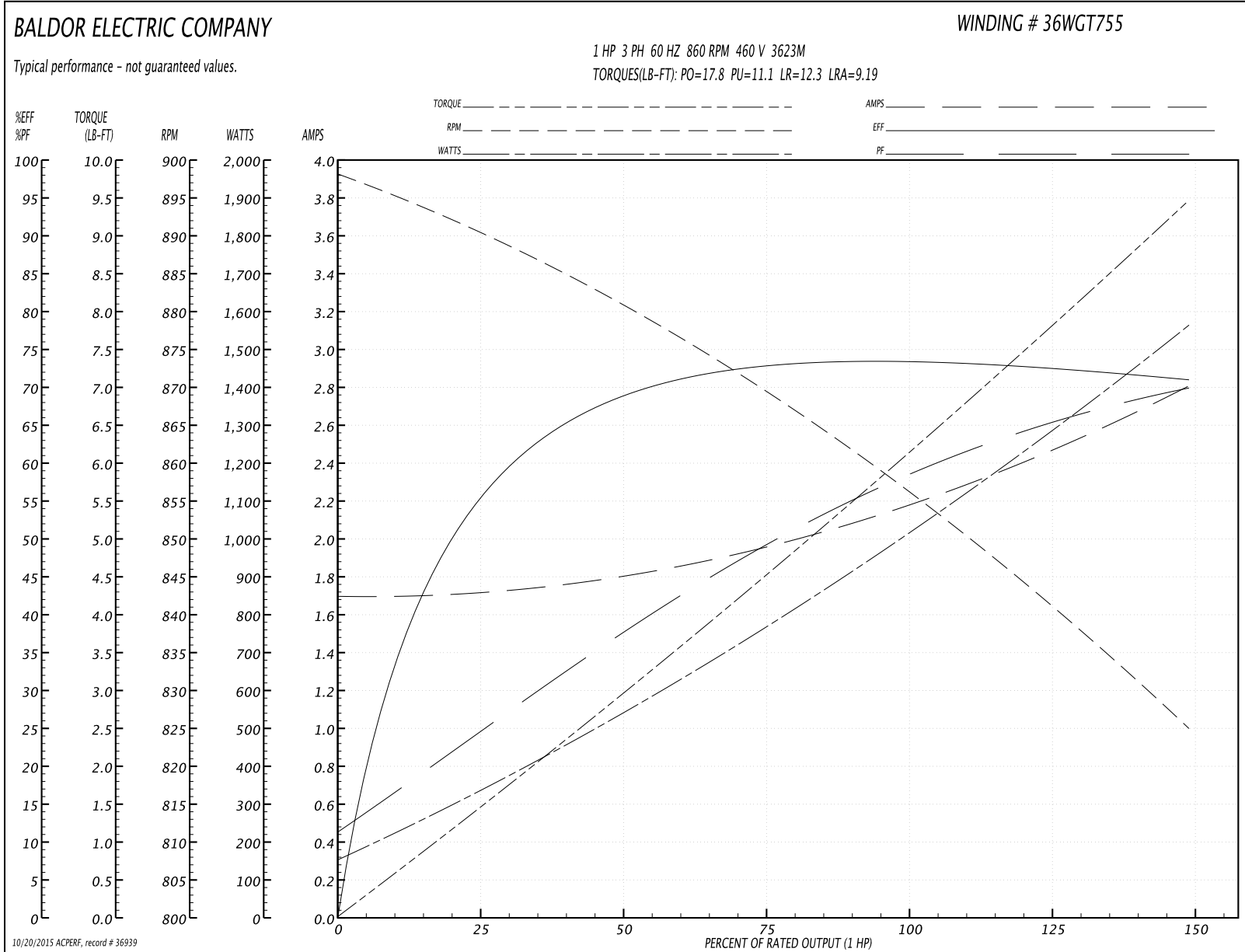
| | | |
|-------------------------------|--------------------|------------------------|
| Winding: 36WGT755-R002 | Type: 3623M | Enclosure: TEAO |
|-------------------------------|--------------------|------------------------|

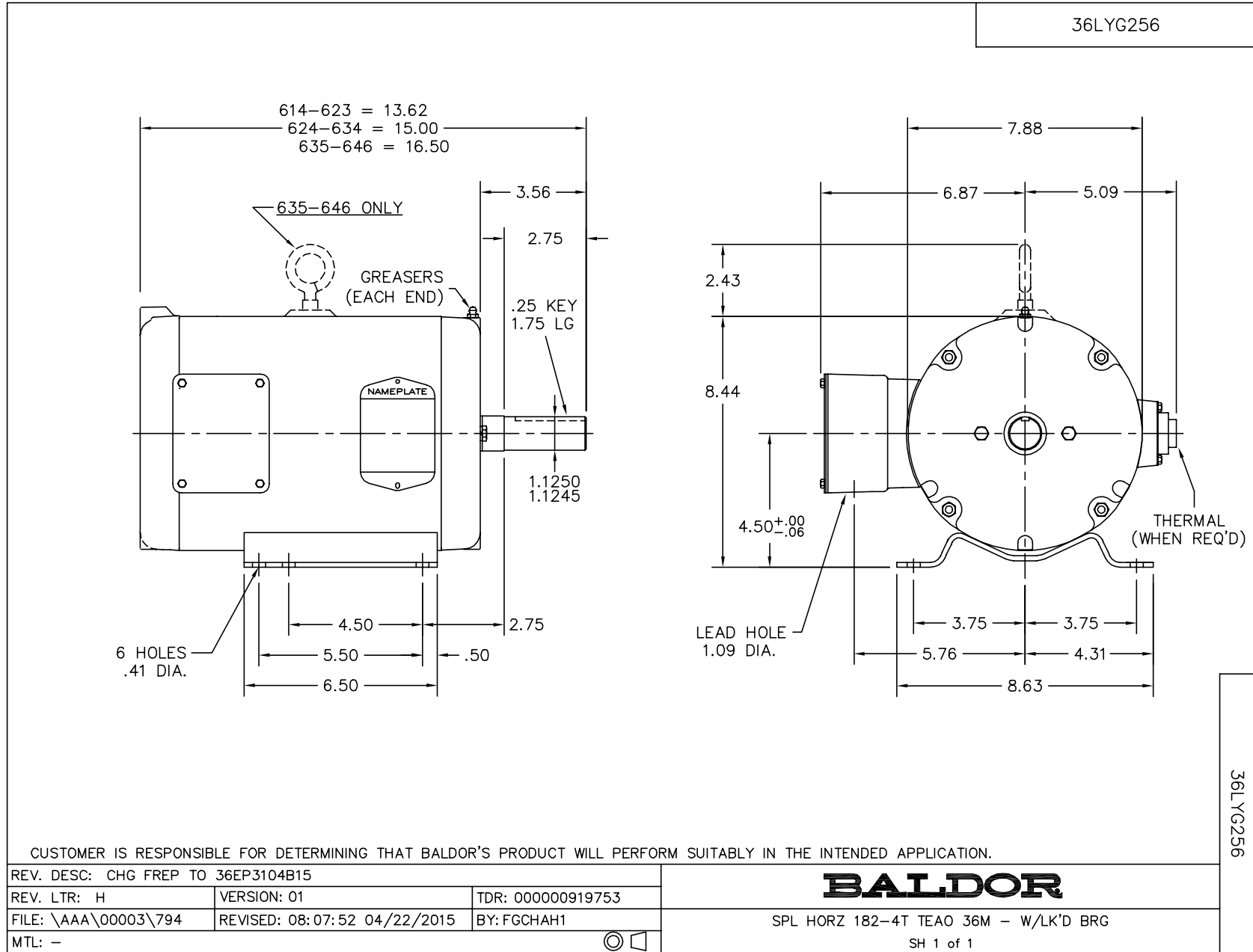
| Nameplate Data | | | | 460 V, 60 Hz: High Voltage Connection | |
|-----------------------|--------------|--------------|----|--|--------------------------|
| Rated Output (HP) | 1 | | | Full Load Torque | 6.11 LB-FT |
| Volts | 208-230/460 | | | Start Configuration | direct on line |
| Full Load Amps | 4.9-4.4/2.2 | | | Breakdown Torque | 17.8 LB-FT |
| R.P.M. | 860 | | | Pull-up Torque | 11.1 LB-FT |
| Hz | 60 | Phase | 3 | Locked-rotor Torque | 12.3 LB-FT |
| NEMA Design Code | B | KVA Code | J | Starting Current | 9.19 A |
| Service Factor (S.F.) | 1 | | | No-load Current | 1.7 A |
| NEMA Nom. Eff. | 74 | Power Factor | 56 | Line-line Res. @ 25°C | 18.5 Ω |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 63°C |
| | | | | Rotor inertia | 0.216 LB-FT ² |

Load Characteristics 460 V, 60 Hz, 1 HP

| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 |
|-----------------|------|------|------|------|------|------|
| Power Factor | 25 | 38 | 49 | 58 | 65 | 70 |
| Efficiency | 54.6 | 68.2 | 72.6 | 73.8 | 73 | 70.7 |
| Speed | 890 | 880 | 869 | 858 | 842 | 824 |
| Line amperes | 1.71 | 1.8 | 1.96 | 2.18 | 2.46 | 2.81 |

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0005

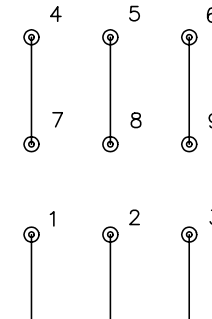


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

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 |
| 90000 | | FILE: AAA00005140 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005