

BALDOR® • RELIANCE

Product Information Packet

ELECTRIC MOTOR WHOLESAL.COM

EM31154A

1.5HP,1750RPM,3PH,60HZ,56,3526M,OPEN,F1

| Part Detail | | | | | | | |
|-------------|-------|----------------|-------|-------------|----------|---------------|------------|
| Revision: | C | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3526M | Elec. Spec: | 35WGL172 | CD Diagram: | CD0007 |
| Enclosure: | OPEN | Mfg Plant: | | Mech. Spec: | 35B011 | Layout: | 35LYB011 |
| Frame: | 56 | Mounting: | F1 | Poles: | 04 | Created Date: | 10-10-2014 |
| Base: | RG | Rotation: | R | Insulation: | F | Eff. Date: | 04-02-2015 |
| Leads: | 12#18 | | | | | Replaced By: | |
| Literature: | | Elec. Diagram: | | | | | |

| Nameplate NP3273L | | | | | | | |
|-------------------|--------------|----------------|------|-----|---|----|---|
| CAT.NO. | EM31154A | | | | | | |
| SPEC. | 35B011L172G1 | | | | | | |
| HP | 1.5 | | | | | | |
| VOLTS | 208-230/460 | | | | | | |
| AMP | 4.6-4.4/2.2 | | | | | | |
| RPM | 1750 | | | | | | |
| FRAME | 56 | HZ | 60 | PH | 3 | | |
| SER.F. | 1.15 | CODE | M | DES | B | CL | F |
| F.L. AVG. EFF. | 86.5 | PF | 72 | | | | |
| RATING | 40C AMB-CONT | | | | | | |
| CC | | USABLE AT 208V | 4.6 | | | | |
| DE | 6205 | ODE | 6203 | | | | |
| ENCL | OPEN | SN | | | | | |
| | | | | | | | |

| Parts List | | |
|----------------|--|----------|
| Part Number | Description | Quantity |
| SA288150 | SA 35B011L172G1 | 1.000 EA |
| RA274348 | RA 35B011L172G1 | 1.000 EA |
| S/P107-000-001 | SUPER E PROC'S-FS, WS & CK PLTS | 1.000 EA |
| NS2512A01 | INSULATOR, CONDUIT BOX X | 1.000 EA |
| 35CB3007 | 35 CB CASTING W/.88 DIA. LEAD 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 |
| 35EP3201A03 | STD FR EP OPEN-203BRG-35L OR M FRAME--LE | 1.000 EA |
| HW5100A03SP | WAVY WASHER (W1543-017) | 1.000 EA |
| 35EP3200A02 | STD PU ENDPLATE-OPEN-205 BRG | 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 |
| HW2501D13SP | KEY, 3/16 SQ X 1.375 | 1.000 EA |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 EA |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 EA |
| MJ1000A75 | GREASE, POLYREX EM EXXON (USe 4824-15A) | 0.050 LB |
| MG1000Y03 | MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20, | 0.017 GA |
| HA3100A18 | THRUBOLT 10-32 X 9.250 | 4.000 EA |
| LB1118 | LABEL,WARNING (ROLL LABEL) | 1.000 EA |
| LC0007 | CONNECTION LABEL | 1.000 EA |
| NP3273L | ALUM SUPER-E THERMALLY PROTECTED | 1.000 EA |
| 36PA1000 | PKG GRP, PRINT PK1016A06 | 1.000 EA |
| MN416A01 | TAG-INSTAL-MAINT no wire (1200/bx) 11/14 | 1.000 EA |

AC Induction Motor Performance Data

Record # 49176 - Typical performance - not guaranteed values

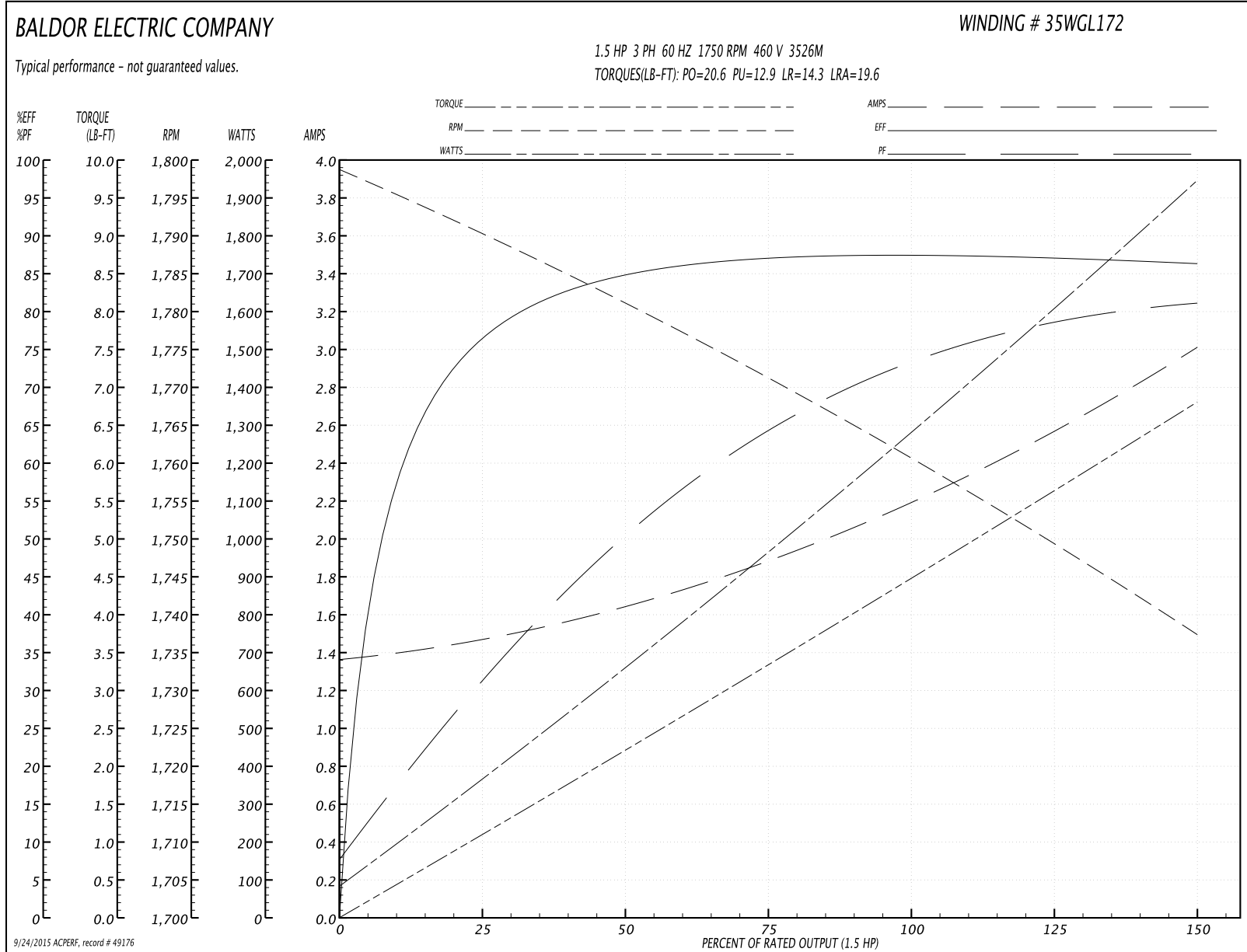
| | | |
|-------------------------------|--------------------|------------------------|
| Winding: 35WGL172-R001 | Type: 3526M | Enclosure: TEFC |
|-------------------------------|--------------------|------------------------|

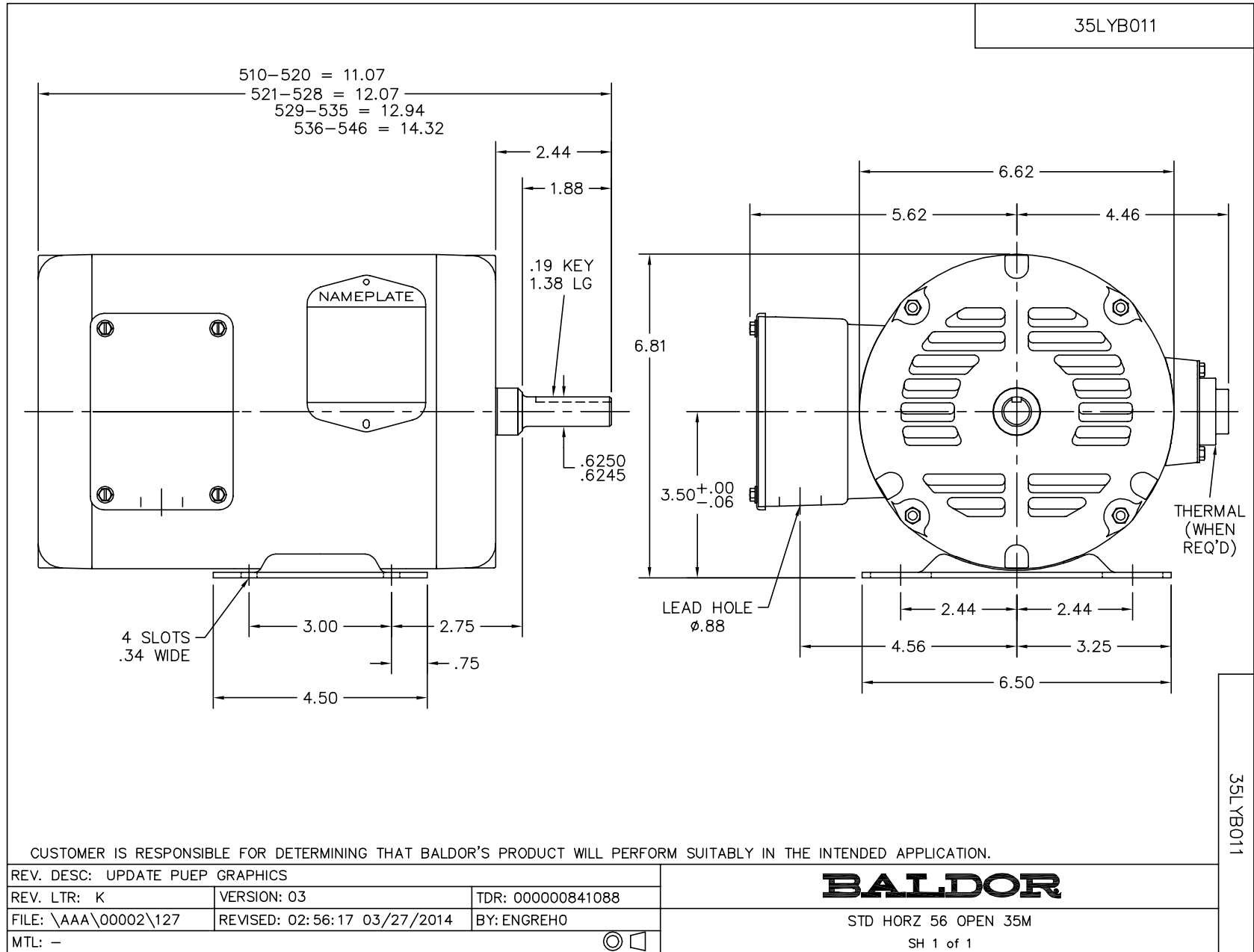
| Nameplate Data | | | | 460 V, 60 Hz: Single Voltage Motor | |
|-----------------------|--------------|--------------|----|---------------------------------------|----------------|
| Rated Output (HP) | 1.5 | | | Full Load Torque | 4.46 LB-FT |
| Volts | 208-230/460 | | | Start Configuration | direct on line |
| Full Load Amps | 4.6-4.4/2.2 | | | Breakdown Torque | 20.6 LB-FT |
| R.P.M. | 1750 | | | Pull-up Torque | 12.9 LB-FT |
| Hz | 60 | Phase | 3 | Locked-rotor Torque | 14.3 LB-FT |
| NEMA Design Code | B | KVA Code | M | Starting Current | 19.6 A |
| Service Factor (S.F.) | 1.15 | | | No-load Current | 1.38 A |
| NEMA Nom. Eff. | 86.5 | Power Factor | 72 | Line-line Res. @ 25°C | 9.4929 Ω |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 34°C |
| S.F. Amps | | | | Temp. Rise @ S.F. Load | 40°C |

Load Characteristics 460 V, 60 Hz, 1.5 HP

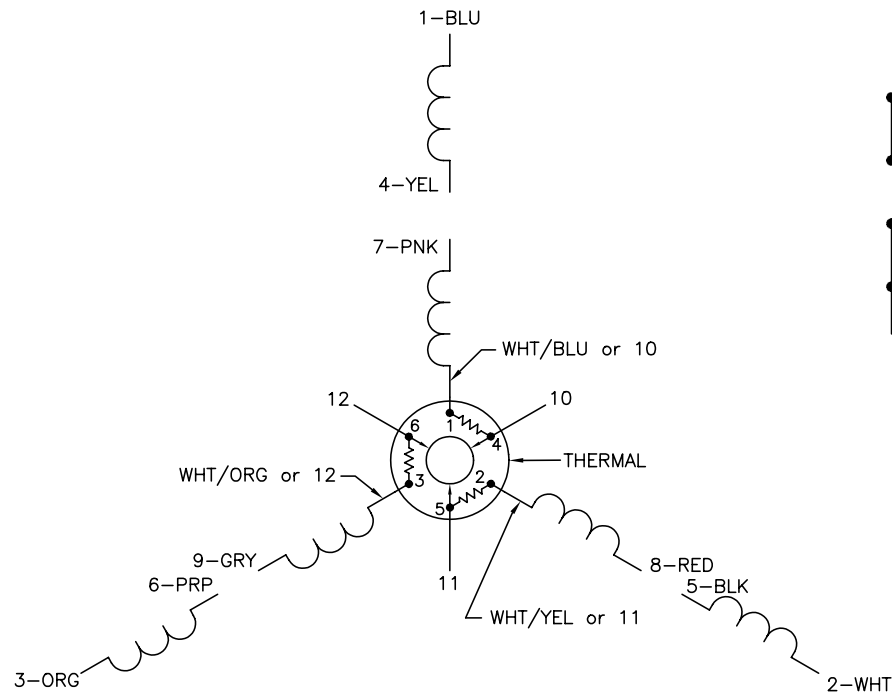
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|------|--------|--------|------|--------|--------|------|
| Power Factor | 32 | 51 | 64 | 72 | 78 | 82 | 76 |
| Efficiency | 76.5 | 84.6 | 87 | 87.5 | 87.1 | 86.3 | 87.3 |
| Speed | 1790 | 1781.1 | 1771.5 | 1761 | 1749.5 | 1737.2 | 1754 |
| Line amperes | 1.45 | 1.63 | 1.88 | 2.2 | 2.58 | 3 | 2.43 |

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values

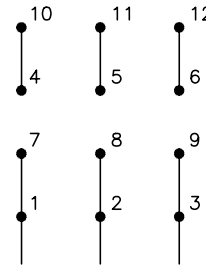




CD0007

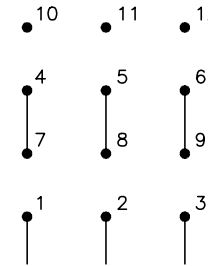


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

| | | | |
|----------------------------------|---------|------------------------|--------------|
| REV. DESC: ADDED "CK" PLANT CODE | | | |
| REV. LTR: E | BY: EAH | REVISED: 05/06/99 17:1 | TDR: 0181040 |
| L00000 | | FILE: AAA00008370 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS

CD0007