

BALDOR® • RELIANCE

Product Information Packet

EL11317A

2HP,3470RPM,1PH,60HZ,56H,3540LC,OPEN,F1

| Part Detail | | | | | | | |
|-------------|-----------|----------------|--------|-------------|----------|---------------|------------|
| Revision: | C | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3540LC | Elec. Spec: | 35WGL153 | CD Diagram: | CD0881 |
| Enclosure: | OPEN | Mfg Plant: | | Mech. Spec: | 35E2890 | Layout: | 35LYE2890 |
| Frame: | 56H | Mounting: | F1 | Poles: | 02 | Created Date: | 09-29-2014 |
| Base: | RG | Rotation: | R | Insulation: | B | Eff. Date: | 02-03-2015 |
| Leads: | 6#16,1#14 | | | | | Replaced By: | |
| Literature: | | Elec. Diagram: | | | | | |

| | | | | | | | | | | |
|--------------------------|---------------|--|-------------|----|------------|------|--|-----------|-----------------------|-----|
| Nameplate NP3273L | | | | | | | | | | |
| CAT.NO. | EL11317A | | | | | | | | | |
| SPEC. | 35E2890L153G1 | | | | | | | | | |
| HP | 2 | | | | | | | | | |
| VOLTS | 115/230 | | | | | | | | | |
| AMP | 15.6/7.8 | | | | | | | | | |
| RPM | 3470 | | | | | | | | | |
| FRAME | 56H | | | | HZ | 60 | | | PH | 1 |
| SER.F. | 1.15 | | CODE | G | DES | L | | CL | B | |
| F.L. AVG. EFF. | 82.9 | | PF | 99 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | | |
| CC | | | | | | | | | USABLE AT 208V | 9.9 |
| DE | 6205 | | | | ODE | 6203 | | | | |
| ENCL | OPEN | | SN | | | | | | | |

| Parts List | | |
|-------------|--|----------|
| Part Number | Description | Quantity |
| SA287743 | SA 35E2890L153G1 | 1.000 EA |
| RA273950 | RA 35E2890L153G1 | 1.000 EA |
| OC3070C09 | AEROVOX #Z24P247OM22A1 OIL CAP 70MFD/240 | 1.000 EA |
| TPCRJ33CY | THERMAL 1PH 1.00 AUT 120C | 1.000 EA |
| EC1645B06 | ELEC CAP 165V 2.0 X 4.3 | 1.000 EA |
| WD3006A01 | RSS-2-103JT 2W 10K RES. METAL OXIDE 5% | 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 |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| 35CB3801 | CAPACITOR COVER, CAST | 1.000 EA |
| NS2501A02 | INSULATOR, CAPACITOR BOX | 1.000 EA |
| HA7010 | CAPACITOR RETENTION CLAMP | 1.000 EA |
| 51XB1016A08 | 10-16X 1/2HXWSSLD SERTYB | 2.000 EA |
| HW5100A03SP | WAVY WASHER (W1543-017) | 1.000 EA |
| 35EP3200A02 | PUEP 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 |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 EA |
| HW2501D13 | KEY, 3/16 SQ X 1.375 | 1.000 EA |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 EA |

| Parts List (continued) | | |
|-------------------------------|--|-----------------|
| Part Number | Description | Quantity |
| 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 |
| MG1000Y03 | MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20, | 0.017 GA |
| NP3273L | ALUM SUPER-E THERMALLY PROTECTED | 1.000 EA |
| LC0008 | CONNECTION LABEL | 1.000 EA |
| HA3100A26 | THRUBOLT 10-32 X 11.500 | 4.000 EA |
| SP5181A28 | MODEL 35 LC TORQ STAT SWITCH LEAD ASSY | 1.000 EA |
| LB1118 | LABEL,WARNING (ROLL LABEL) | 1.000 EA |
| 36PA1000 | PKG GRP, PRINT PK1016A06 | 1.000 EA |
| MN416A01 | TAG-INSTAL-MAINT no wire (1000/bx) 11/14 | 1.000 EA |

AC Induction Motor Performance Data

Record # 49049 - Typical performance - not guaranteed values

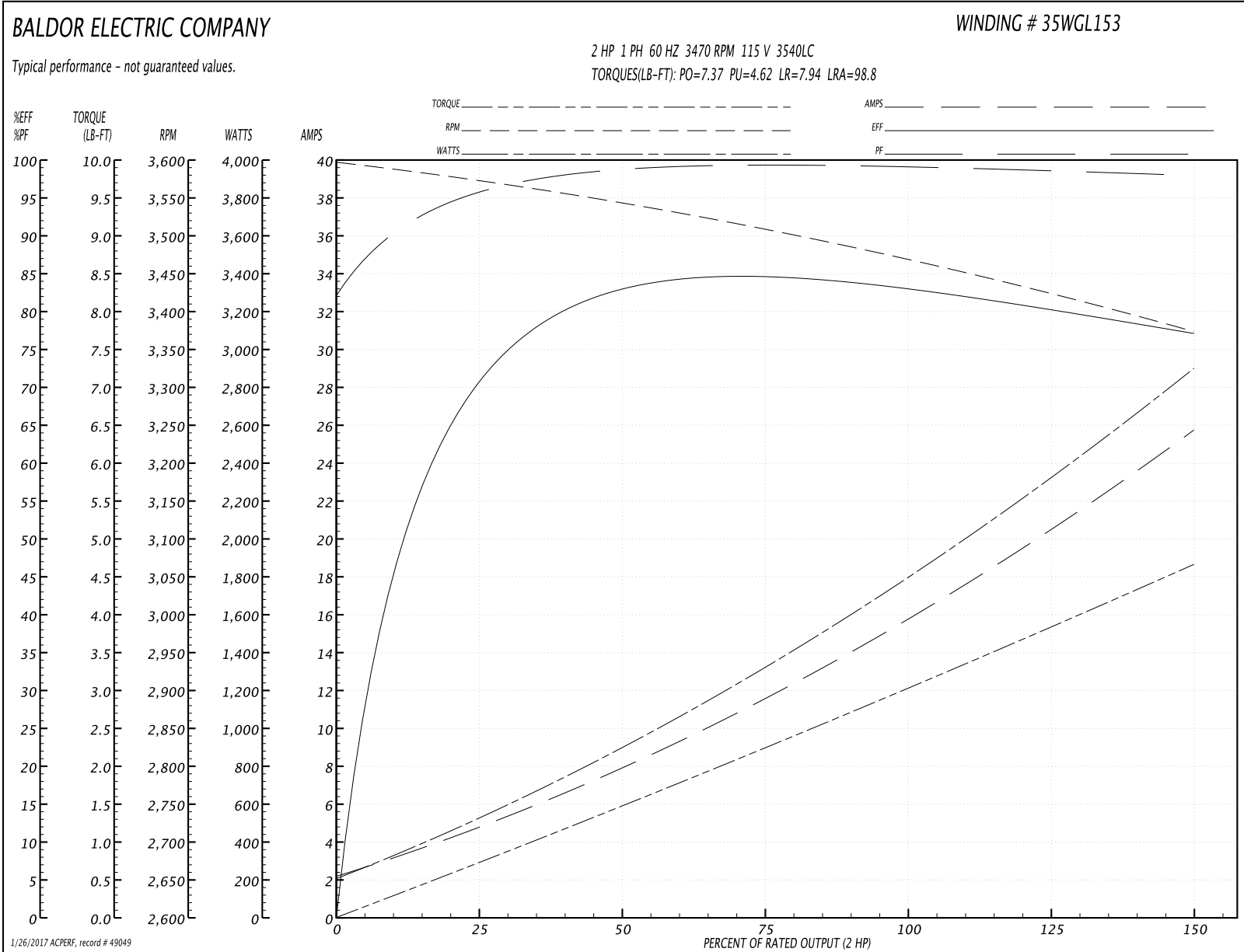
| | | |
|-------------------------------|---------------------|------------------------|
| Winding: 35WGL153-R001 | Type: 3540LC | Enclosure: OPEN |
|-------------------------------|---------------------|------------------------|

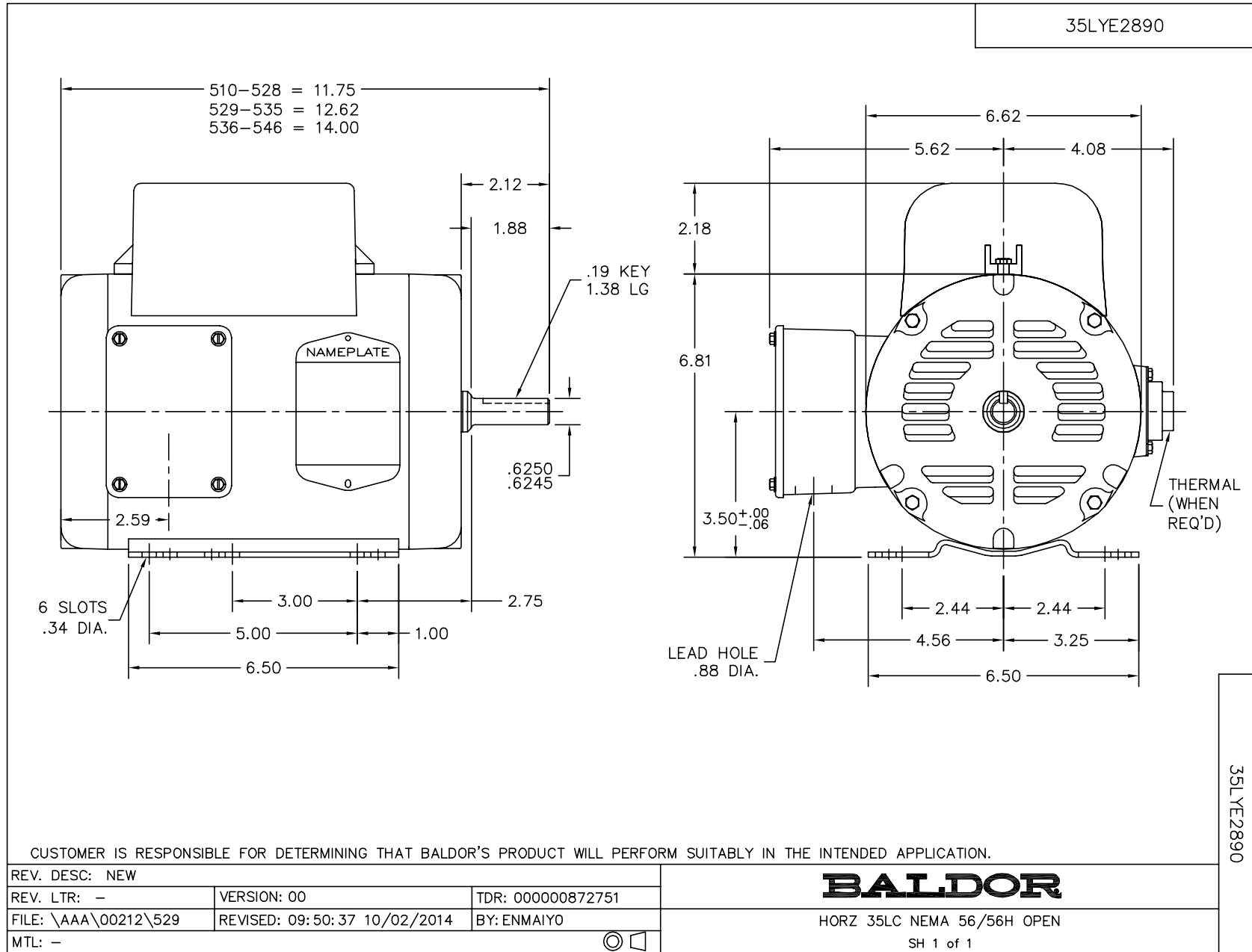
| Nameplate Data | | | | 115 V, 60 Hz: Low Voltage Connection | |
|-----------------------|--------------|--------------|----|---|----------------------------------|
| Rated Output (HP) | 2 | | | Full Load Torque | 3.02 LB-FT |
| Volts | 115/230 | | | Start Configuration | direct on line |
| Full Load Amps | 15.6/7.8 | | | Breakdown Torque | 7.37 LB-FT |
| R.P.M. | 3470 | | | Pull-up Torque | 4.62 LB-FT |
| Hz | 60 | Phase | 1 | Locked-rotor Torque | 7.94 LB-FT |
| NEMA Design Code | L | KVA Code | G | Starting Current | 98.8 A |
| Service Factor (S.F.) | 1.15 | | | No-load Current | 2.21 A |
| NEMA Nom. Eff. | 82.9 | Power Factor | 99 | Line-line Res. @ 25°C | 0.28842 Ω A Ph 0.56941 Ω B Ph |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | 25°C |
| S.F. Amps | | | | Temp. Rise @ S.F. Load | 33°C |

Load Characteristics 115 V, 60 Hz, 2 HP

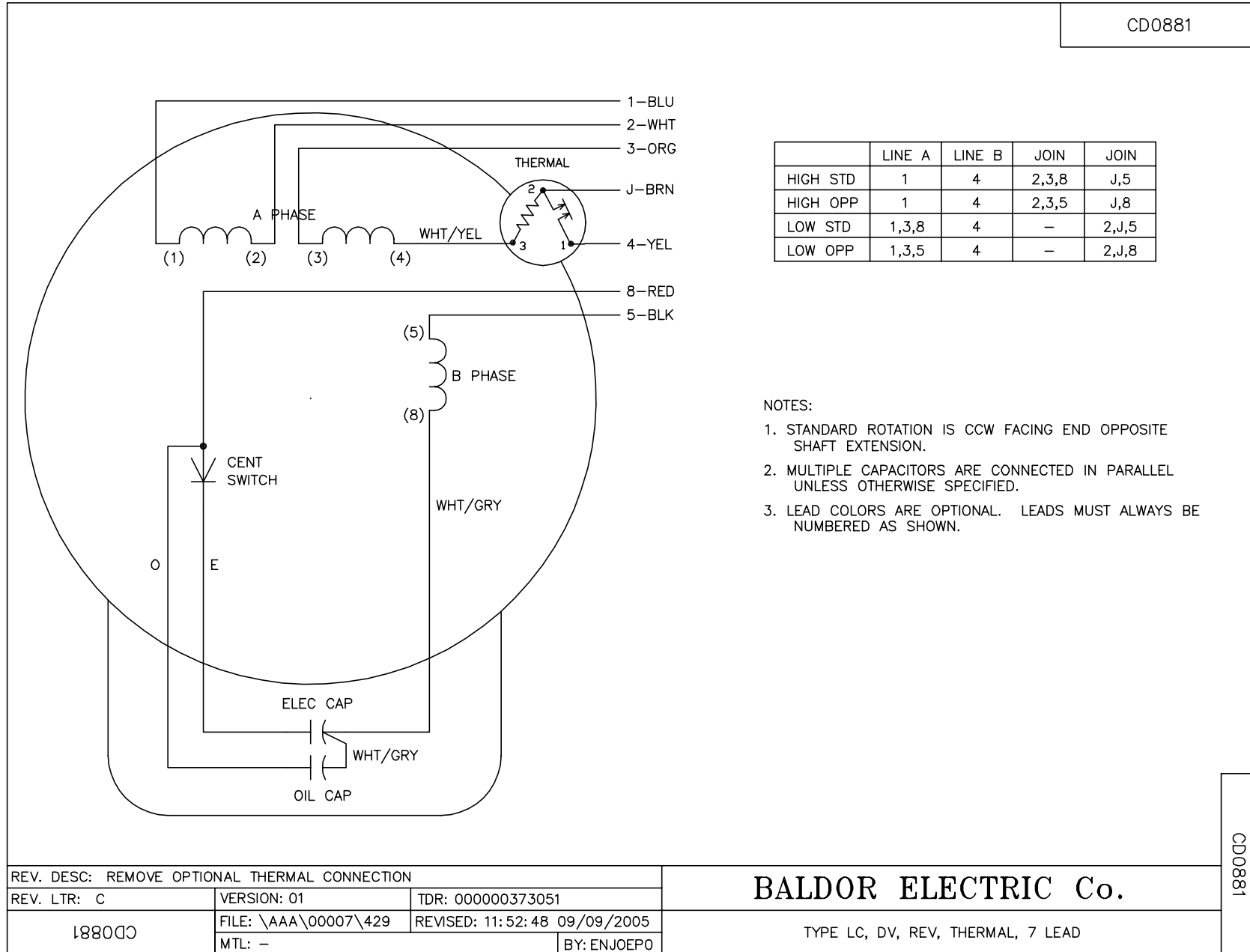
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| Power Factor | 97 | 100 | 100 | 99 | 99 | 98 | 99 |
| Efficiency | 71.3 | 82 | 84.1 | 83.5 | 80.6 | 76.8 | 81.8 |
| Speed | 3570.3 | 3542.6 | 3508.2 | 3472.2 | 3424.1 | 3372.2 | 3443 |
| Line amperes | 4.73 | 7.91 | 11.7 | 15.6 | 20.5 | 25.8 | 18.5 |

Performance Graph at 115V, 60Hz, 2.0HP Typical performance - Not guaranteed values





CD0881



| | | |
|---|----------------------|------------------------------|
| REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION | | |
| REV. LTR: C | VERSION: 01 | TDR: 000000373051 |
| 188000 | FILE: \AAA\00007\429 | REVISED: 11:52:48 09/09/2005 |
| | MTL: - | BY: ENJOEPO |

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, THERMAL, 7 LEAD

CD0881