

BALDOR® • ***RELIANCE***

Product Information Packet

CHC3416A

.33HP, 1700RPM, 1PH, 60HZ, 48Z, 3418C, TEAO, F1

| Part Detail | | | | | | | |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision: | AC | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3418C | Elec. Spec: | 34WG5631 | CD Diagram: | CD0381 |
| Enclosure: | TEAO | Mfg Plant: | | Mech. Spec: | 34K052 | Layout: | 34LYK052 |
| Frame: | 48Z | Mounting: | F1 | Poles: | 04 | Created Date: | |
| Base: | RS | Rotation: | R | Insulation: | B | Eff. Date: | 03-22-2016 |
| Leads: | 7#18 | | | | | Replaced By: | |
| Literature: | | Elec. Diagram: | | | | | |

| | | | | | | | | | | | |
|--------------------------|--------------|--|--|-------------|------------|------|------------|-----------------------|---|-----------|---|
| Nameplate NP1280L | | | | | | | | | | | |
| CAT.NO. | CHC3416A | | | | | | | | | | |
| SPEC. | 34K52-5631 | | | | | | | | | | |
| HP | .33 | | | | | | | | | | |
| VOLTS | 115/230 | | | | | | | | | | |
| AMP | 5.6/2.8 | | | | | | | | | | |
| RPM | 1700 | | | | | | | | | | |
| FRAME | 48Z | | | | HZ | 60 | | PH | 1 | | |
| SER.F. | 1.00 | | | CODE | H | | DES | N | | CL | B |
| NEMA-NOM-EFF | 56 | | | PF | 69 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | | | |
| CC | | | | | | | | USABLE AT 208V | | | |
| DE | 6203 | | | | ODE | 6203 | | | | | |
| ENCL | TEAO | | | SN | | | | | | | |

| Parts List | | |
|---------------|--|----------|
| Part Number | Description | Quantity |
| SA008197 | SA 34K52-5631 | 1.000 EA |
| RA004644 | RA 34K52-5631 | 1.000 EA |
| 34EP3204A01SP | FR ENDPLATE, MACH | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 3.000 EA |
| 34GS5003A01 | FOAM SLEEVE, ID = 2 1/16" X 4 3/8" | 1.000 EA |
| 11XT0832G06 | 8-32 X 3/8 TY 23 TAPPING | 1.000 EA |
| RM1000A03 | CUSHION RING, MDL 17-33-34 | 1.000 EA |
| RM1000A03 | CUSHION RING, MDL 17-33-34 | 1.000 EA |
| HA6004A01A | CLAMP CUSHION RING ASSY | 2.000 EA |
| WD4100A01 | DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS | 1.000 EA |
| RM1001A01 | GROMMET "MIDSTATES" | 1.000 EA |
| NS2501A01 | INSULATOR, CAPACITOR | 1.000 EA |
| 51XB1016A05 | 10-16X5/16HX WA SL SR TYB (F/S) | 2.000 EA |
| HW5100A03SP | WAVY WASHER (W1543-017) | 1.000 EA |
| 34EP3205A01 | PU ENDPLATE, MACH | 1.000 EA |
| XY1032A02 | 10-32 HEX NUT DIRECTIONAL SERRATION | 4.000 EA |
| HW1000A10 | #10 FLAT WASHER (SAE) | 4.000 EA |
| LD5000A52 | LEAD ASSY W/INTERNAL STAR RING TERMINALS | 1.000 EA |
| 11XT1032A06 | 10-32 X 3/8 HX WSHR HD SLTD TYPE 23 | 2.000 EA |
| 34CB4501SP | TERMINAL BOX LID, STAMPED X (PLATED) | 1.000 EA |
| 34GS1005 | GASKET, TERM PLATE LID | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 2.000 EA |
| 34BA4001F01 | RESILIENT BASE, 417-421 | 1.000 EA |
| WD1000A03 | 41531 AMP FLG.TERM,4M/REEL(2.5MIL) | 9.000 EA |

| Parts List (continued) | | |
|-------------------------------|--|-----------------|
| Part Number | Description | Quantity |
| MG1025C02 | WILKOFASST SG, 787.105, TAN | 0.014 GA |
| 10XF0440S02 | 04-40 X 1/8 TYPE F HEX HD STAINLESS STIC | 2.000 EA |
| SP5076SP | MODEL 34 TERMINAL PANEL WITH QUICK CONNE | 1.000 EA |
| OC3008F12 | CYL OIL CAP 8MFD/370V | 1.000 EA |
| 33CB4800A02 | CAPACITOR COVER, STAMPED | 1.000 EA |
| 35GS3001A02 | GASKET, CA.COVER, 5.38 LONG .06 CS301 | 1.000 EA |
| HA3100A17 | THRUBOLT 10-32 X 9.000 | 4.000 EA |
| LB1118 | LABEL,WARNING (ROLL LABEL) | 1.000 EA |
| LC0052 | CONNECTION LABEL | 1.000 EA |
| NP1280L | ALUM FARM DUTY UL CSA CC THERMAL | 1.000 EA |
| 34PA1002 | PKG GRP, PRINT PK1001A01 | 1.000 EA |

AC Induction Motor Performance Data

Record # 50785 - Typical performance - not guaranteed values

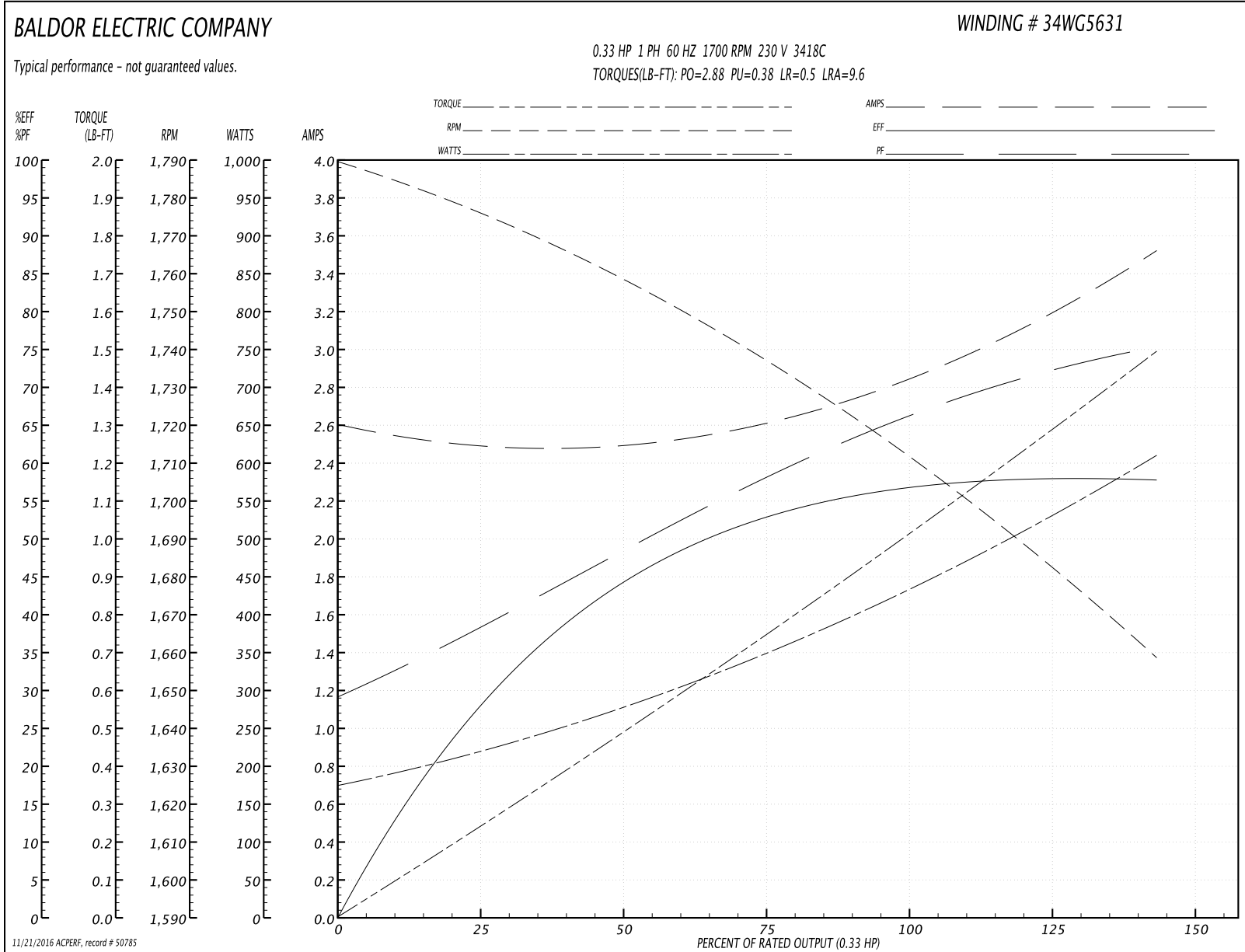
| | | |
|-------------------------------|--------------------|------------------------|
| Winding: 34WG5631-R001 | Type: 3418C | Enclosure: TEAO |
|-------------------------------|--------------------|------------------------|

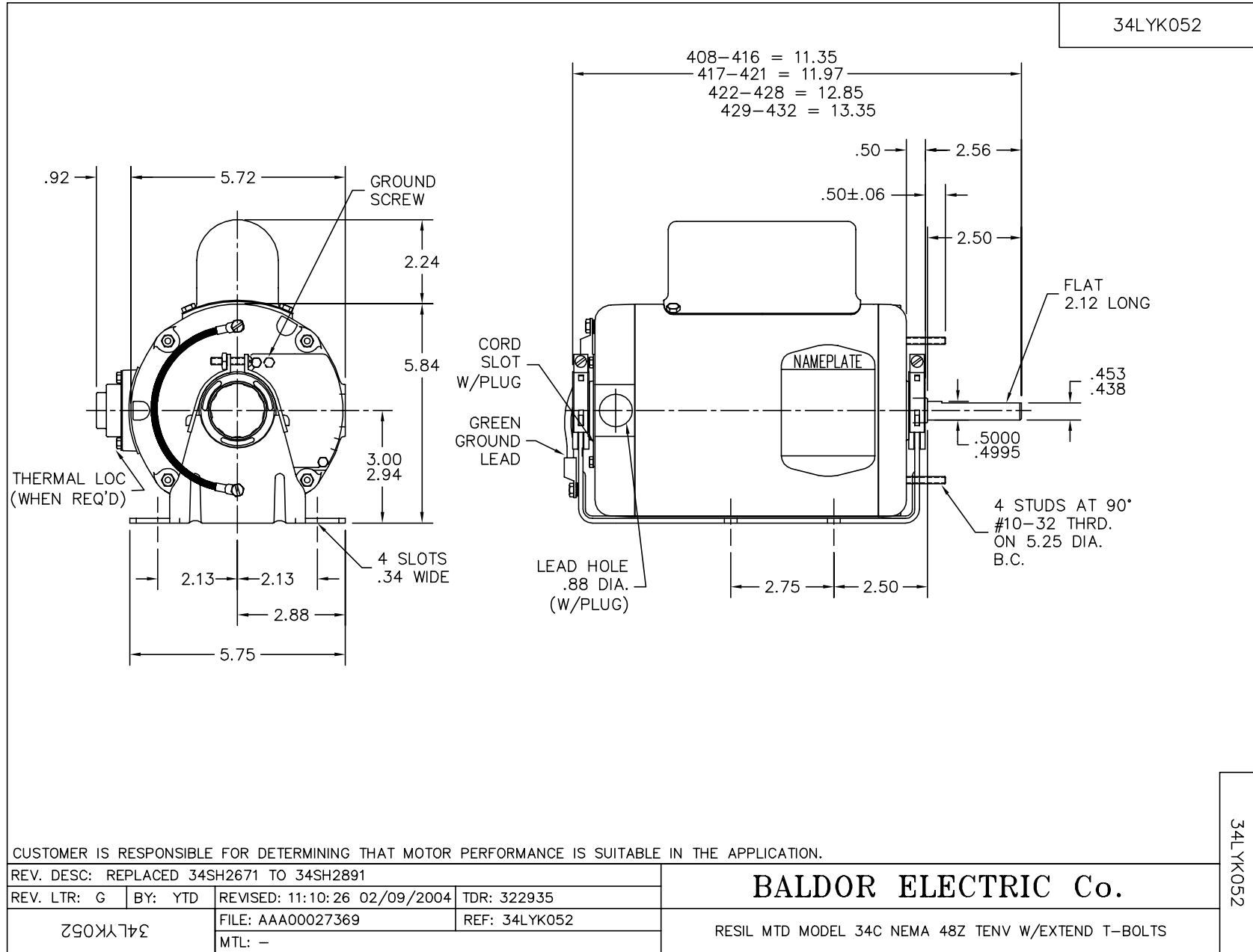
| Nameplate Data | | | | 230 V, 60 Hz: High Voltage Connection | |
|-----------------------|--------------|--------------|----|--|--------------------------|
| Rated Output (HP) | .33 | | | Full Load Torque | 1 LB-FT |
| Volts | 115/230 | | | Start Configuration | direct on line |
| Full Load Amps | 5.6/2.8 | | | Breakdown Torque | 2.88 LB-FT |
| R.P.M. | 1700 | | | Pull-up Torque | 0.38 LB-FT |
| Hz | 60 | Phase | 1 | Locked-rotor Torque | 0.5 LB-FT |
| NEMA Design Code | N | KVA Code | H | Starting Current | 9.6 A |
| Service Factor (S.F.) | 1 | | | No-load Current | 2.6 A |
| NEMA Nom. Eff. | 56 | Power Factor | 69 | Line-line Res. @ 25°C | 7.36 Ω A Ph 22 Ω B Ph |
| Rating - Duty | 40C AMB-CONT | | | Temp. Rise @ Rated Load | |

Load Characteristics 230 V, 60 Hz, 0.33 HP

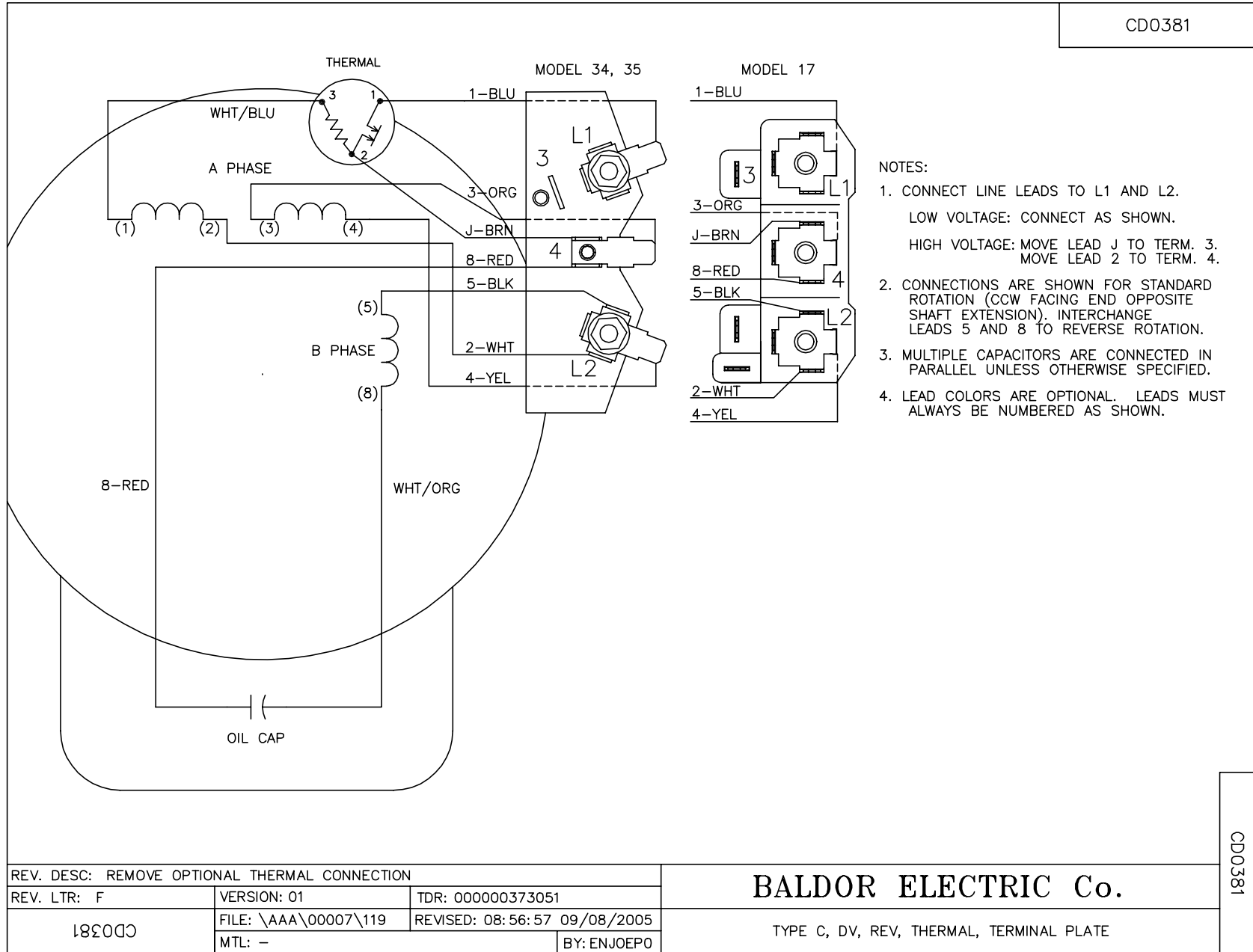
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 |
|-----------------|------|------|------|------|------|------|
| Power Factor | 42 | 53 | 62 | 67 | 74 | 78 |
| Efficiency | 29 | 46 | 52 | 56 | 58 | 58 |
| Speed | 1775 | 1755 | 1738 | 1712 | 1692 | 1655 |
| Line amperes | 2.5 | 2.5 | 2.6 | 2.8 | 3.2 | 3.5 |

Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0381



CD0381

| | | |
|---|----------------------|------------------------------|
| REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION | | |
| REV. LTR: F | VERSION: 01 | TDR: 000000373051 |
| 182000 | FILE: \AAA\00007\119 | REVISED: 08:56:57 09/08/2005 |
| | MTL: - | BY: ENJOEPO |

BALDOR ELECTRIC Co.

TYPE C, DV, REV, THERMAL, TERMINAL PLATE