

BALDOR® • RELIANCE

Product Information Packet

M1508T

5/2.5HP, 1725/850RPM, 3PH, 60HZ, 215T, 3744M

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| Part Detail | | | | | | | |
|-------------|------|-------------|-------|----------------|----------|---------------|------------|
| Revision: | B | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3744M | Elec. Spec: | 37WGS145 | CD Diagram: | |
| Enclosure: | TEFC | Mfg Plant: | | Mech. Spec: | 37A001 | Layout: | |
| Frame: | 215T | Mounting: | F1 | Poles: | 04/08 | Created Date: | 08-03-2006 |
| Base: | RG | Rotation: | R | Insulation: | B | Eff. Date: | 05-08-2009 |
| Leads: | 6#14 | Literature: | | Elec. Diagram: | | Replaced By: | |

| Nameplate NP1256L | | | | | | | | | |
|-------------------|----------------|------|--|--|------|-----|---|-------|---|
| CAT.NO. | M1508T | | | | | | | | |
| SPEC. | 37A001S145 | | | | | | | | |
| HP | 5/2.5 | | | | | | | | |
| VOLTS | 208-230 | | | | | | | | |
| AMP | 13/10.4 | | | | | | | | |
| RPM | 1725/850 | | | | | | | | |
| FRAME | 215T | HZ | | | 60 | PH | 3 | | |
| SER.F. | 1.15 | CODE | | | K | DES | B | CLASS | B |
| NEMA-NOM-EFF | PF | | | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | |
| CC | USABLE AT 208V | | | | | | | | |
| DE | 6307 | ODE | | | 6206 | | | | |
| ENCL | TEFC | SN | | | | | | | |
| | | | | | | | | | |

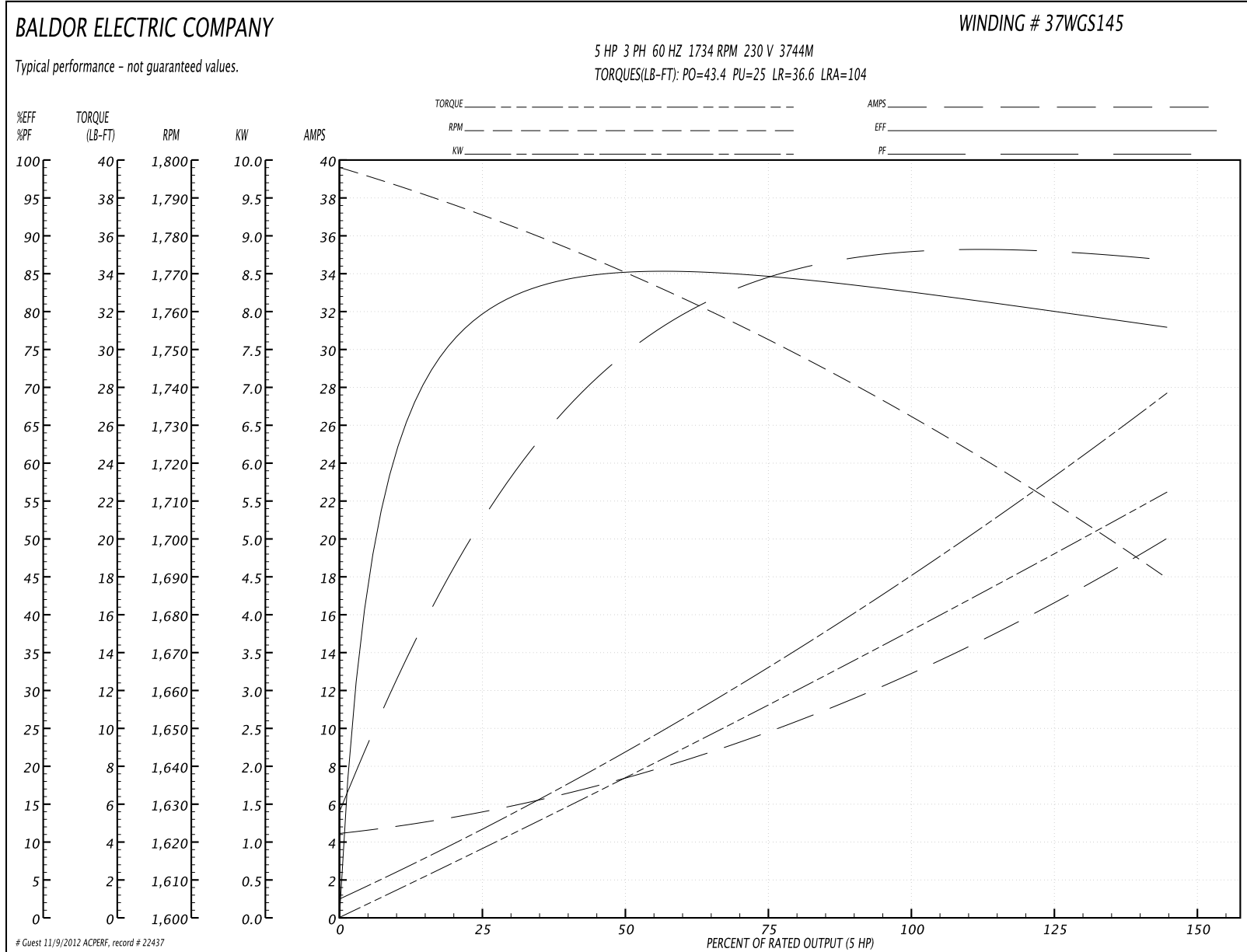
| Parts List | | |
|---------------|--|----------|
| Part Number | Description | Quantity |
| SA147086 | SA 37A001S145 | 1.000 EA |
| RA136145 | RA 37A001S145 | 1.000 EA |
| HW3200A01 | 3/8-16X3/4 I-BLT WELDED F/S | 1.000 EA |
| 37CB3006 | 37 CB CASTING W/1.38 LEAD HOLE @ 6:00 | 1.000 EA |
| 37GS1000SP | GASKET, CONDUIT BOX STD., .06 THICK LEXI | 1.000 EA |
| 51XW2520A12 | .25-20 X .75, TAPTITE II, HEX WSHR SLTD | 2.000 EA |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 37EP3101A01SP | FR ENDPLATE,TEFC, 37 L&M, W/GREASER | 1.000 EA |
| HW4500A01 | 1641B(ALEMITE)400 UNIV, GREASE FITT | 1.000 EA |
| HW5100A06 | W2420-025 WVY WSHR (WB) | 1.000 EA |
| 37EP3100A01SP | STD PU ENDPLATE, ENCL,37 "T"-307 BRG, W/ | 1.000 EA |
| HW4500A01 | 1641B(ALEMITE)400 UNIV, GREASE FITT | 1.000 EA |
| XY3118A12 | 5/16-18 HEX NUT DIRECTIONAL SERRATION | 4.000 EA |
| 51XB1214A20 | 12-14X1.25 HXWSSLD SERTYB | 1.000 EA |
| 07FH4007SP | IEC FH W/GRSR, NOTCH @ 6:00 & 3 FAN CVR | 1.000 EA |
| 51XW1032A06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 EA |
| 37CB4516 | LIPPED LID FOR 37 FRAME NEC KOBX | 1.000 EA |
| 37GS1008SP | 37 GS FOR CB LID - LEXIDE | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 EA |
| HW2501F21 | KEY, 5/16 SQ X 2.375 | 1.000 EA |
| HA7000A02 | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA | 1.000 EA |
| LB1115 | LABEL,LIFTING DEVICE | 1.000 EA |
| 85XU0407S04 | 4X1/4 U DRIVE PIN STAINLESS | 2.000 EA |
| MJ1000A75 | GREASE, POLYREX EM EXXON | 0.050 LB |

| Parts List (continued) | | |
|------------------------|--|----------|
| Part Number | Description | Quantity |
| 37FN3002A01SP | EXFN, PLASTIC, 9.00 OD, 1.155 ID | 1.000 EA |
| MG1000G27 | PAINT- S9282E CHARCOAL GREY | 0.028 GA |
| HA3104A17 | 5/16-18X13.250 T-BLT/OHIO | 4.000 EA |
| LB1119 | WARNING LABEL | 1.000 EA |
| LB1125C01 | STD (STOCK) CARTON LABEL BALDOR WITH FLA | 1.000 EA |
| LC0032 | CONNECTION LABEL | 1.000 EA |
| NP1256L | ALUM UL CSA CC | 1.000 EA |
| 36PA1001 | PACKAGING GROUP | 1.000 EA |

| Accessories | | |
|-------------|-------------|------------|
| Part Number | Description | Multiplier |
| 37-3301 | C FACE KIT | P1 |

| Performance Data at 230V, 60Hz, 5.0HP (Typical performance - Not guaranteed values) | | | | | | | |
|---|---------------------------------|--------|--------|----------------------|------------|--------|--------|
| General Characteristics | | | | | | | |
| Full Load Torque: | 15.0 LB-FT | | | Start Configuration: | DOL | | |
| No-Load Current: | 4.58 Amps | | | Break-Down Torque: | 43.4 LB-FT | | |
| Line-line Res. @ 25°C.: | 0.738 Ohms A Ph / 0.0 Ohms B Ph | | | Pull-Up Torque: | 25.0 LB-FT | | |
| Temp. Rise @ Rated Load: | 71 C | | | Locked-Rotor Torque: | 36.6 LB-FT | | |
| Temp. Rise @ S.F. Load: | 85 C | | | Starting Current: | 104.0 Amps | | |
| Load Characteristics | | | | | | | |
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 56.0 | 75.0 | 84.0 | 87.0 | 88.0 | 87.0 | 88.0 |
| Efficiency: | 78.8 | 84.2 | 84.8 | 82.9 | 80.7 | 77.7 | 81.6 |
| Speed: | 1784.0 | 1769.0 | 1753.0 | 1734.0 | 1712.0 | 1689.0 | 1721.0 |
| Line Amperes: | 5.4 | 7.44 | 9.88 | 12.9 | 16.2 | 20.0 | 14.9 |

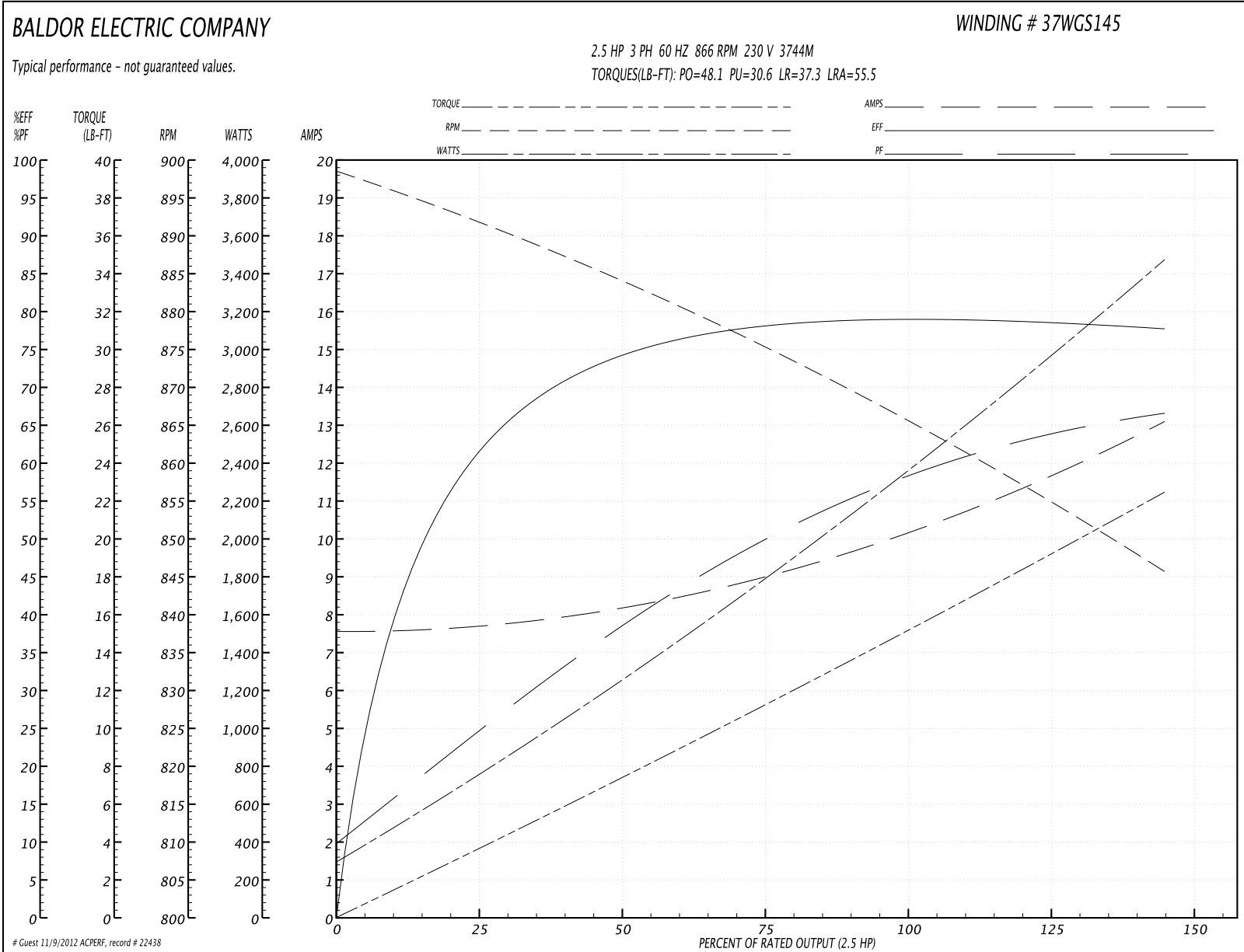
Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values

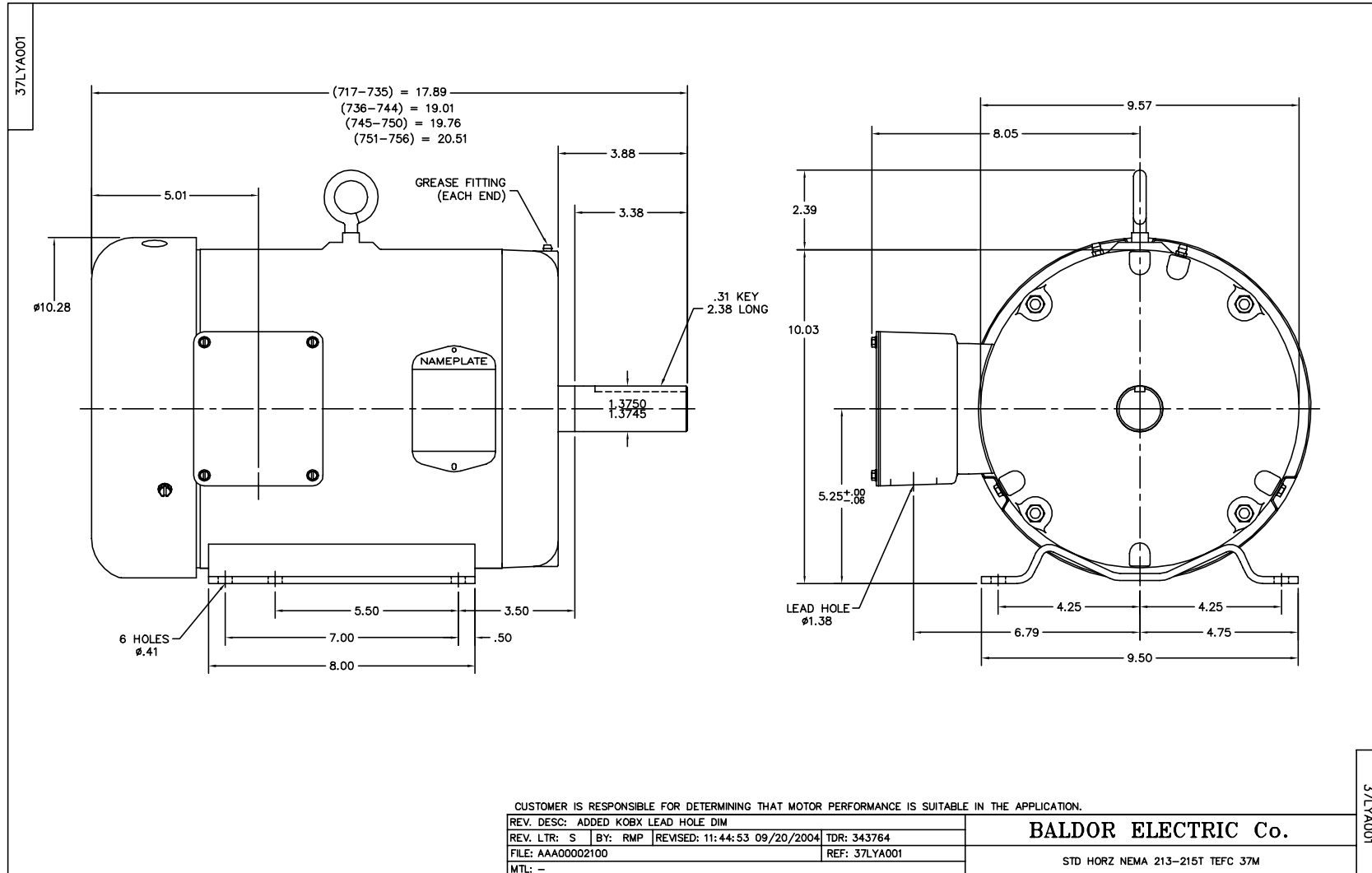


Performance Data at 230V, 60Hz, 2.5HP (Typical performance - Not guaranteed values)

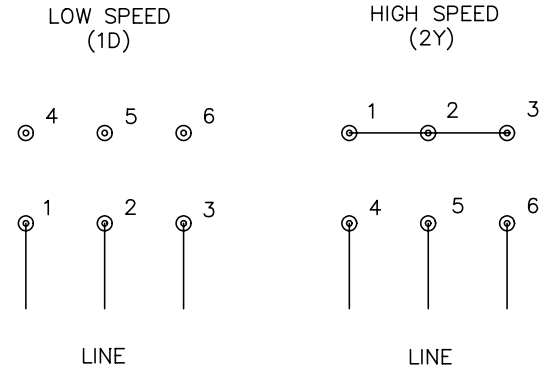
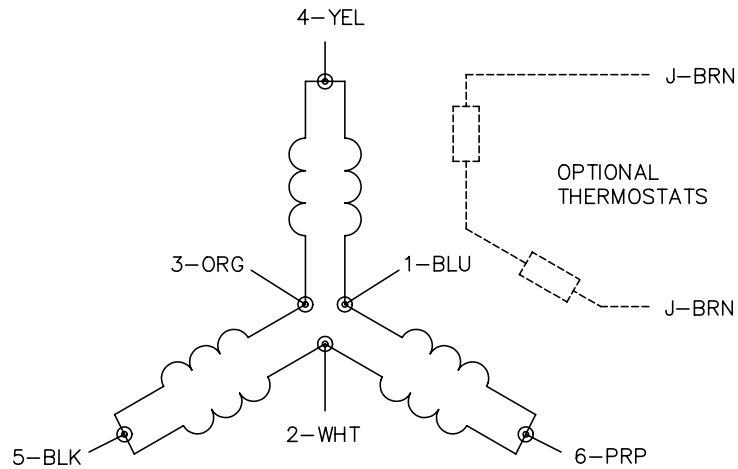
| General Characteristics | | | | | | | |
|--------------------------|--------------------------------|-------|-------|----------------------|------------|-------|-------|
| Full Load Torque: | 15.0 LB-FT | | | Start Configuration: | DOL | | |
| No-Load Current: | 7.6 Amps | | | Break-Down Torque: | 48.1 LB-FT | | |
| Line-line Res. @ 25°C.: | 1.01 Ohms A Ph / 0.0 Ohms B Ph | | | Pull-Up Torque: | 30.6 LB-FT | | |
| Temp. Rise @ Rated Load: | 66 C | | | Locked-Rotor Torque: | 37.3 LB-FT | | |
| Temp. Rise @ S.F. Load: | 74 C | | | Starting Current: | 55.5 Amps | | |
| Load Characteristics | | | | | | | |
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 25.0 | 39.0 | 50.0 | 58.0 | 63.0 | 67.0 | 61.0 |
| Efficiency: | 61.1 | 73.9 | 78.2 | 79.1 | 78.9 | 77.5 | 79.0 |
| Speed: | 891.0 | 884.0 | 875.0 | 866.0 | 857.0 | 845.0 | 861.0 |
| Line Amperes: | 7.61 | 8.22 | 9.05 | 10.1 | 11.5 | 13.1 | 10.9 |

Performance Graph at 230V, 60Hz, 2.5HP Typical performance - Not guaranteed values





CD0011



- 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: F | BY: JLP | REVISED: 01/21/99 5:04 | TDR: 0171435 |
| 110000 | | FILE: DWG\142.wg | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING CONSTANT TORQUE

CD0011