

BALDOR® • RELIANCE

Product Information Packet

M3460

.5HP,3450RPM,3PH,60HZ,48,3410M,TEFC,F1

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| Part Detail | | | | | | | |
|-------------|------|-------------|-------|----------------|----------|---------------|------------|
| Revision: | M | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3410M | Elec. Spec: | 34WG0232 | CD Diagram: | |
| Enclosure: | TEFC | Mfg Plant: | | Mech. Spec: | 34A051 | Layout: | |
| Frame: | 48 | Mounting: | F1 | Poles: | 02 | Created Date: | |
| Base: | RG | Rotation: | R | Insulation: | B | Eff. Date: | 03-23-2011 |
| Leads: | 9#18 | Literature: | | Elec. Diagram: | | Replaced By: | |

| Nameplate NP1256L | | | | | | | | | |
|-------------------|--------------|------|------|----------------|-----|-------|---|--|--|
| CAT.NO. | M3460 | | | | | | | | |
| SPEC. | 34A51-232 | | | | | | | | |
| HP | .5 | | | | | | | | |
| VOLTS | 230/460 | | | | | | | | |
| AMP | 2/1 | | | | | | | | |
| RPM | 3450 | | | | | | | | |
| FRAME | 48 | HZ | 60 | PH | 3 | | | | |
| SER.F. | 1.25 | CODE | J | DES | B | CLASS | B | | |
| NEMA-NOM-EFF | 68 | PF | 63 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | |
| CC | | | | USABLE AT 208V | 2.6 | | | | |
| DE | 6203 | ODE | 6203 | | | | | | |
| ENCL | TEFC | SN | | | | | | | |
| | SFA 2.4/1.2 | | | | | | | | |

| Parts List | | |
|---------------|------------------------------------------|----------|
| Part Number | Description | Quantity |
| SA009746 | SA 34A51-232 | 1.000 EA |
| RA006191 | RA 34A51-232 | 1.000 EA |
| NS2512A01 | INSULATOR, CONDUIT BOX X | 1.000 EA |
| 34CB3002A | CB CAST W/.88 DIA HOLE | 1.000 EA |
| 34GS1029A01 | GASKET, CONDUIT BOX | 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 |
| 34EP3102A01SP | FR ENDPLATE, MACH | 1.000 EA |
| HW5100A03SP | WAVY WASHER (W1543-017) | 1.000 EA |
| 34EP3102A02SP | FR/PU ENDPLATE, MACH | 1.000 EA |
| XY1032A02 | 10-32 HEX NUT DIRECTIONAL SERRATION | 4.000 EA |
| 34FN3002A01SP | EXTERNAL FAN, PLASTIC, .637/.639 HUB W/ | 1.000 EA |
| 34FH4002A01 | IEC FH NO GREASER | 1.000 EA |
| 51XW1032A06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 EA |
| 34CB4517 | CB LID 4 MTG HOLES .22 DIA STAMPED, FOR | 1.000 EA |
| 34GS1031A01 | GASKET, FLAT CONDUIT BOX LID (LEXIDE) | 1.000 EA |
| 51XW0832A07 | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 EA |
| MG1000G27 | PAINT- S9282E CHARCOAL GREY | 0.014 GA |
| 10XF0440S02 | 04-40 X 1/8 TYPE F HEX HD STAINLESS STIC | 2.000 EA |
| HA3100A12 | THRUBOLT 10-32 X 7.375 | 4.000 EA |
| LB1125C01 | STD (STOCK) CARTON LABEL BALDOR WITH FLA | 1.000 EA |
| LC0005E01 | CONN.DIA./WARNING LABEL (LC0005/LB1119) | 1.000 EA |
| NP1256L | ALUM UL CSA CC | 1.000 EA |
| 34PA1002 | PACKING GROUP, BALDOR | 1.000 EA |

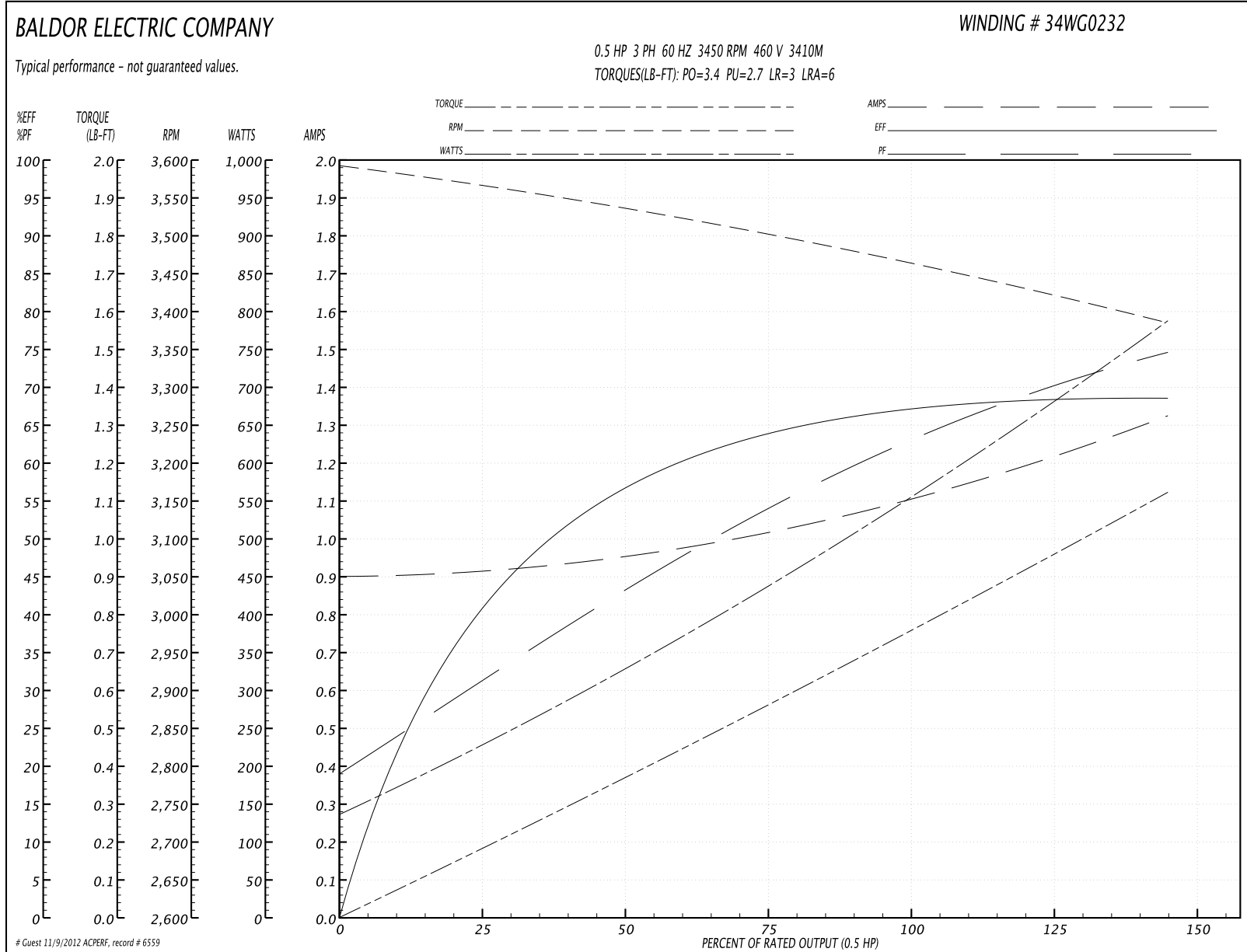
| Accessories | | |
|-------------|-------------|------------|
| Part Number | Description | Multiplier |
| 34-3900T | C-FACE KIT | A8 |

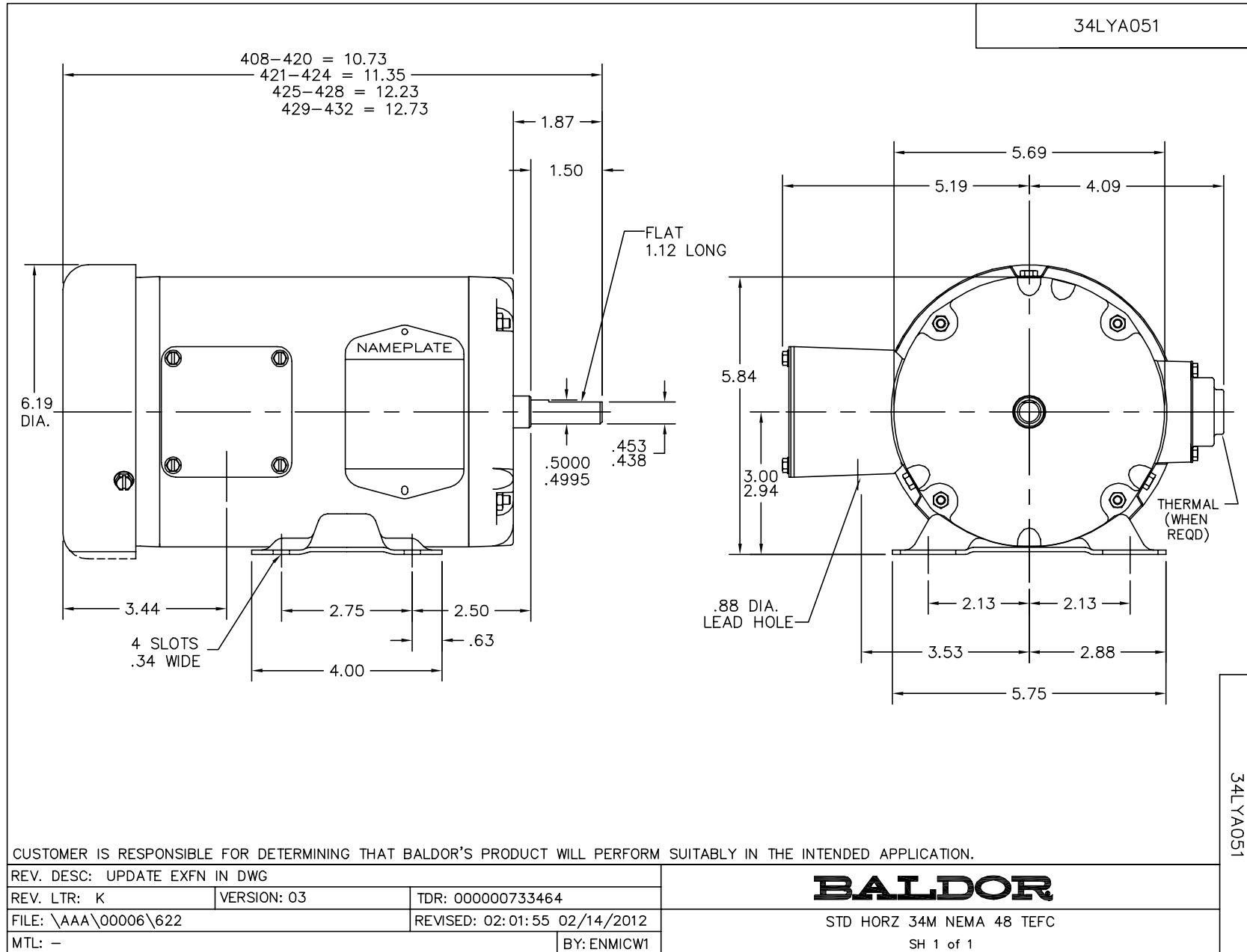
Performance Data at 460V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)

| General Characteristics | | | |
|--------------------------|--------------------------------|----------------------|-----------|
| Full Load Torque: | 0.75 LB-FT | Start Configuration: | DOL |
| No-Load Current: | 0.9 Amps | Break-Down Torque: | 3.4 LB-FT |
| Line-line Res. @ 25°C.: | 35.1 Ohms A Ph / 0.0 Ohms B Ph | Pull-Up Torque: | 2.7 LB-FT |
| Temp. Rise @ Rated Load: | 58 C | Locked-Rotor Torque: | 3.0 LB-FT |
| Temp. Rise @ S.F. Load: | 69 C | Starting Current: | 6.0 Amps |

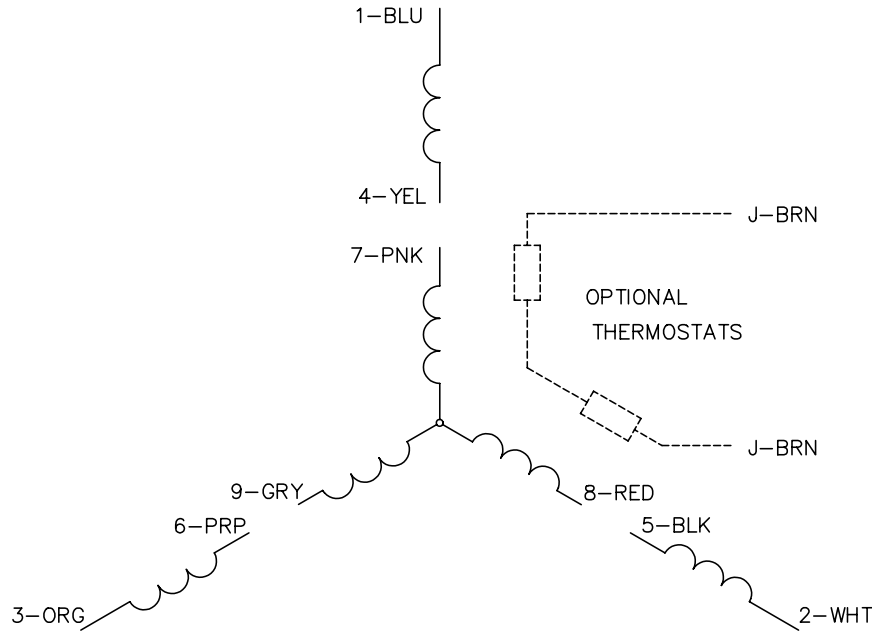
| Load Characteristics | | | | | | | |
|----------------------|--------|--------|--------|--------|--------|--------|--------|
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 33.0 | 44.0 | 56.0 | 64.0 | 70.0 | 77.0 | 70.0 |
| Efficiency: | 41.4 | 56.3 | 64.0 | 67.2 | 68.4 | 68.5 | 68.4 |
| Speed: | 3563.0 | 3535.0 | 3501.0 | 3466.0 | 3432.0 | 3381.0 | 3432.0 |
| Line Amperes: | 0.91 | 0.97 | 1.01 | 1.1 | 1.2 | 1.33 | 1.2 |

Performance Graph at 460V, 60Hz, 0.5HP 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