

BALDOR® • **RELIANCE**

Product Information Packet

MPM3458

.33HP, 1425/1725RPM, 3PH, 50/60HZ, 48, 3413M

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| Part Detail | | | | | | | |
|-------------|------|-------------|-------|----------------|----------|---------------|------------|
| Revision: | X | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3413M | Elec. Spec: | 34WG4822 | CD Diagram: | |
| Enclosure: | TEFC | Mfg Plant: | | Mech. Spec: | 34T027 | Layout: | |
| Frame: | 48 | Mounting: | F3 | Poles: | 04 | Created Date: | |
| Base: | RG | Rotation: | R | Insulation: | B | Eff. Date: | 05-23-2012 |
| Leads: | 9#18 | Literature: | | Elec. Diagram: | | Replaced By: | |

| Nameplate NP1279L | | | | | | | |
|-------------------|------------------|------|--------|-----|---|----|---|
| CAT.NO. | MPM3458 | | | | | | |
| SPEC. | 34T27-4822 | | | | | | |
| HP | .33 | | | | | | |
| VOLTS | 230/460//190/380 | | | | | | |
| AMP | 1.6/.8//1.8/.9 | | | | | | |
| RPM | 1725//1425 | | | | | | |
| FRAME | 48 | HZ | 60//50 | PH | 3 | | |
| SER.F. | 1.00 | CODE | - | DES | B | CL | B |
| NEMA-NOM-EFF | PF | | | | | | |
| RATING | 40C AMB-CONT | | | | | | |
| CC | USABLE AT 208V | | | | | | |
| DE | 6203 | ODE | 6203 | | | | |
| ENCL | TEFC | SN | | | | | |
| | | | | | | | |

| Parts List | | |
|---------------|--|----------|
| Part Number | Description | Quantity |
| SA007544 | SA 34T27-4822 | 1.000 EA |
| RA004086 | RA 34T27-4822 | 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 |
| MG1025C02 | PAINT, 787.105 LITE TAN EPOXY (USE W/MG1 | 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 |
| LB1119 | WARNING LABEL | 1.000 EA |
| LB1125C01 | STD (STOCK) CARTON LABEL BALDOR WITH FLA | 1.000 EA |
| LC0005 | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING | 1.000 EA |
| NP1279L | ALUM FARM DUTY UL CSA CC | 1.000 EA |

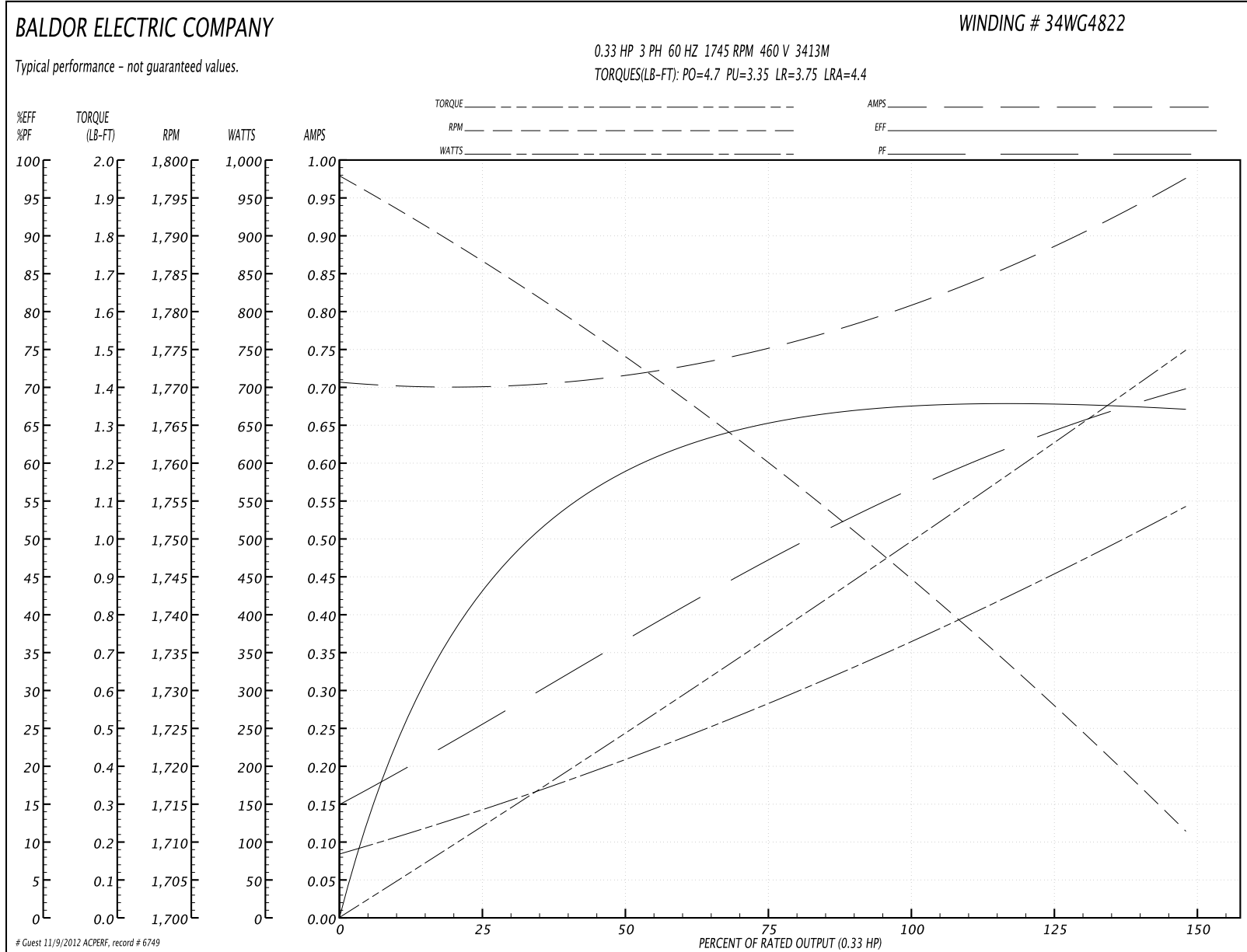
| Parts List (continued) | | |
|------------------------|-----------------------|----------|
| Part Number | Description | Quantity |
| 34PA1002 | PACKING GROUP, BALDOR | 1.000 EA |

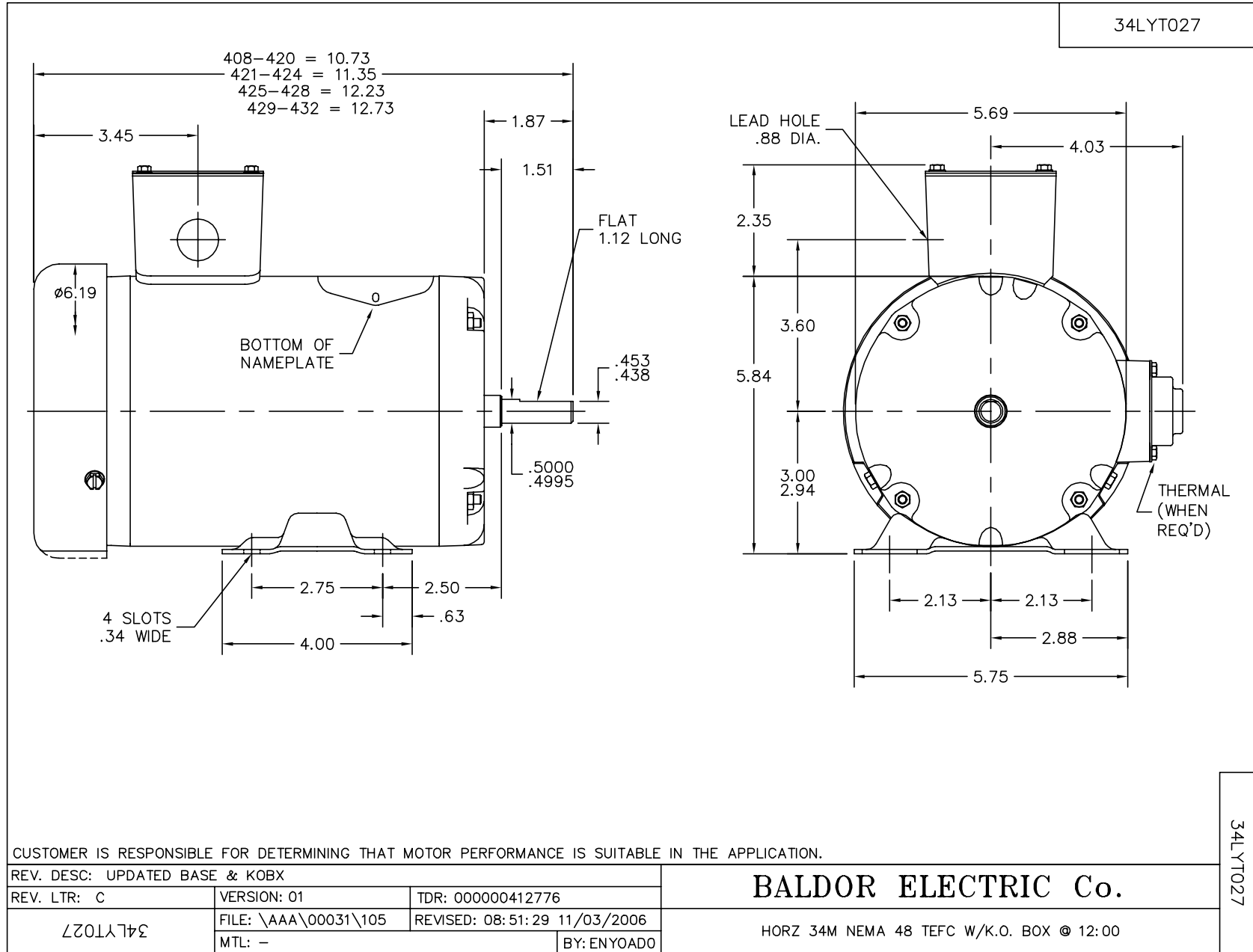
| Accessories | | |
|-------------|-------------|------------|
| Part Number | Description | Multiplier |
| 34-3900T | C-FACE KIT | A8 |

Performance Data at 460V, 60Hz, 0.33HP (Typical performance - Not guaranteed values)

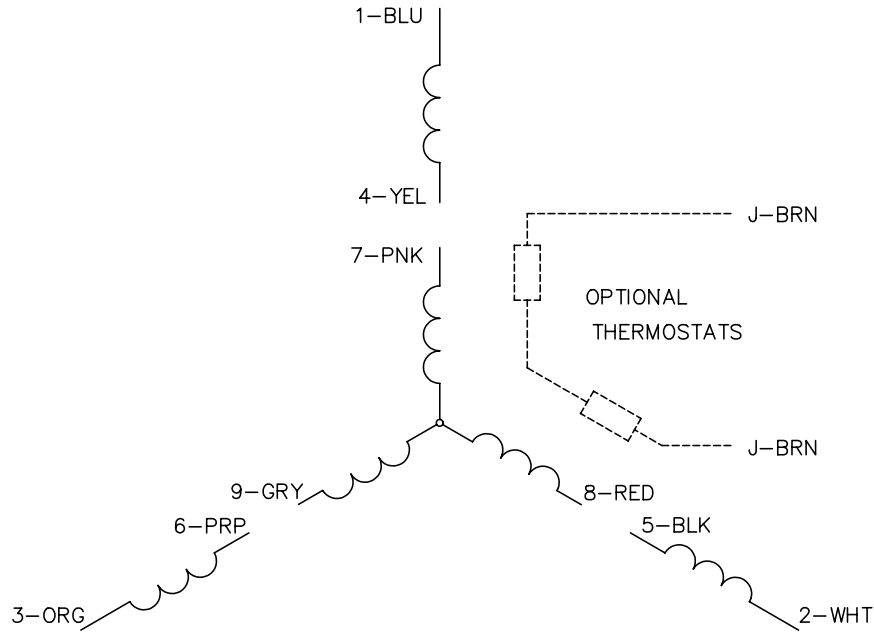
| General Characteristics | | | | | | | |
|--------------------------|--------------------------------|--------|--------|----------------------|------------|--------|--------|
| Full Load Torque: | 1.0 LB-FT | | | Start Configuration: | DOL | | |
| No-Load Current: | 0.7 Amps | | | Break-Down Torque: | 4.7 LB-FT | | |
| Line-line Res. @ 25°C.: | 49.1 Ohms A Ph / 0.0 Ohms B Ph | | | Pull-Up Torque: | 3.35 LB-FT | | |
| Temp. Rise @ Rated Load: | 47 C | | | Locked-Rotor Torque: | 3.75 LB-FT | | |
| Temp. Rise @ S.F. Load: | | | | Starting Current: | 4.4 Amps | | |
| Load Characteristics | | | | | | | |
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 28.0 | 40.0 | 50.0 | 57.0 | 64.0 | 69.0 | 66.0 |
| Efficiency: | 44.0 | 59.0 | 65.0 | 68.0 | 68.0 | 67.0 | 68.0 |
| Speed: | 1788.0 | 1770.0 | 1760.0 | 1745.0 | 1730.0 | 1710.0 | 1725.0 |
| Line Amperes: | 0.7 | 0.73 | 0.77 | 0.8 | 0.85 | 1.0 | 0.9 |

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values

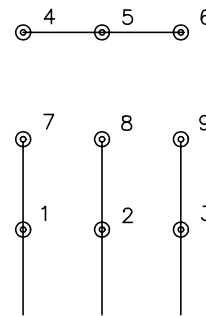




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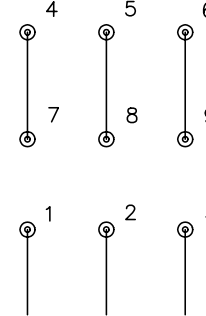


LOW VOLTAGE
(2Y)



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