

BALDOR® • RELIANCE

Product Information Packet

M3539-5

.5HP, 1140RPM, 3PH, 60HZ, 56, 3418M, TEFC, F1

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| Part Detail | | | | | | | |
|-------------|------|-------------|-------|----------------|----------|---------------|------------|
| Revision: | L | Status: | PRD/A | Change #: | | Proprietary: | No |
| Type: | AC | Prod. Type: | 3418M | Elec. Spec: | 34WGW051 | CD Diagram: | |
| Enclosure: | TEFC | Mfg Plant: | | Mech. Spec: | 34A061 | Layout: | |
| Frame: | 56 | Mounting: | F1 | Poles: | 06 | Created Date: | |
| Base: | RG | Rotation: | R | Insulation: | B | Eff. Date: | 06-11-2007 |
| Leads: | 3#18 | Literature: | | Elec. Diagram: | | Replaced By: | |

| Nameplate NP1256L | | | | | | | | | |
|-------------------|----------------|------|------|-----|---|-------|---|--|--|
| CAT.NO. | M3539-5 | | | | | | | | |
| SPEC. | 34A61W51 | | | | | | | | |
| HP | .5 | | | | | | | | |
| VOLTS | 575 | | | | | | | | |
| AMP | 1 | | | | | | | | |
| RPM | 1140 | | | | | | | | |
| FRAME | 56 | HZ | 60 | PH | 3 | | | | |
| SER.F. | 1.25 | CODE | J | DES | B | CLASS | B | | |
| NEMA-NOM-EFF | 72 | PF | 55 | | | | | | |
| RATING | 40C AMB-CONT | | | | | | | | |
| CC | USABLE AT 208V | | | | | | | | |
| DE | 6203 | ODE | 6203 | | | | | | |
| ENCL | TEFC | SN | | | | | | | |
| | SFA 1.1 | | | | | | | | |

| Parts List | | |
|---------------|--|----------|
| Part Number | Description | Quantity |
| SA009805 | SA 34A61W51 | 1.000 EA |
| RA006250 | RA 34A61W51 | 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 |
| HW2501D13SP | KEY, 3/16 SQ X 1.375 | 1.000 EA |
| HA7000A04 | KEY RETAINER 0.625 DIA SHAFTS | 1.000 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 |
| LC0006 | CONNECTION LABEL | 1.000 EA |
| LB1119 | WARNING LABEL | 1.000 EA |

| Parts List (continued) | | |
|------------------------|--|----------|
| Part Number | Description | Quantity |
| LB1125C01 | STD (STOCK) CARTON LABEL BALDOR WITH FLA | 1.000 EA |
| NP1256L | ALUM UL CSA CC | 1.000 EA |
| 34PA1002 | PACKING GROUP, BALDOR | 1.000 EA |

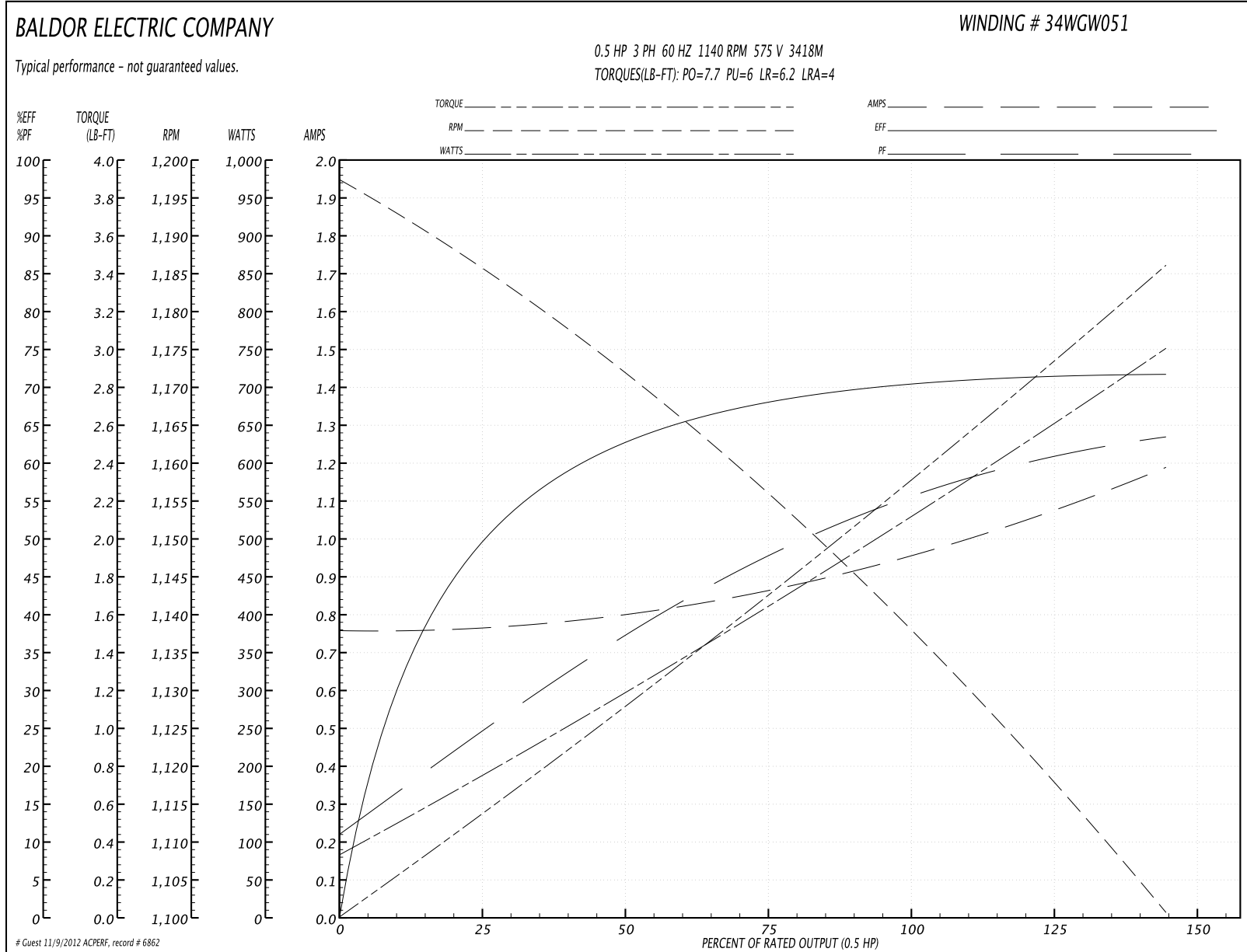
| Accessories | | |
|-------------|-------------|------------|
| Part Number | Description | Multiplier |
| 34-171 | C FACE KIT | A8 |

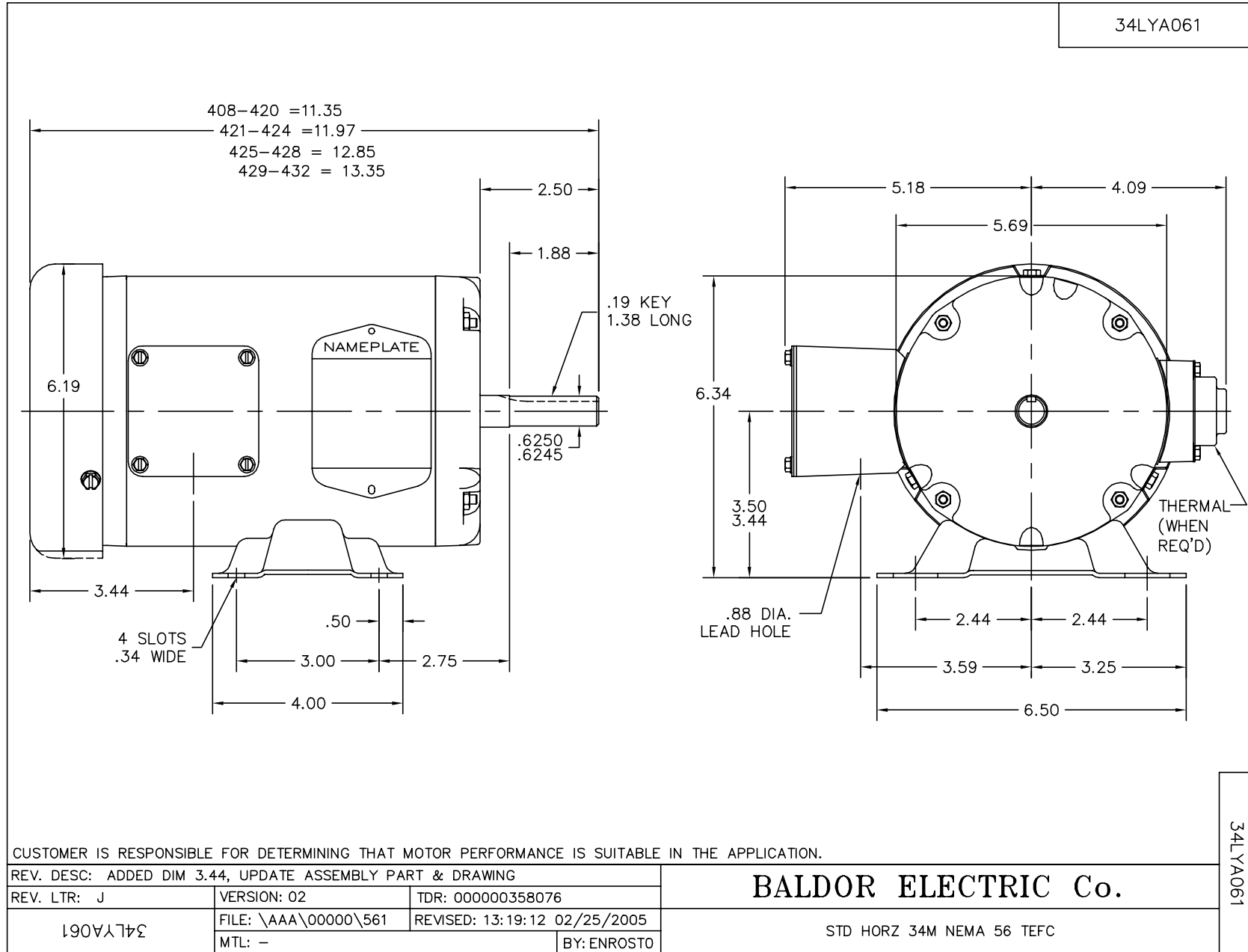
Performance Data at 575V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)

| General Characteristics | | | |
|--------------------------|--------------------------------|----------------------|-----------|
| Full Load Torque: | 2.3 LB-FT | Start Configuration: | DOL |
| No-Load Current: | 0.76 Amps | Break-Down Torque: | 7.7 LB-FT |
| Line-line Res. @ 25°C.: | 62.5 Ohms A Ph / 0.0 Ohms B Ph | Pull-Up Torque: | 6.0 LB-FT |
| Temp. Rise @ Rated Load: | 63 C | Locked-Rotor Torque: | 6.2 LB-FT |
| Temp. Rise @ S.F. Load: | 77 C | Starting Current: | 4.0 Amps |

| Load Characteristics | | | | | | | |
|----------------------|--------|--------|--------|--------|--------|--------|--------|
| % of Rated Load | 25 | 50 | 75 | 100 | 125 | 150 | S.F. |
| Power Factor: | 20.0 | 34.0 | 45.0 | 55.0 | 62.0 | 68.0 | 62.0 |
| Efficiency: | 48.0 | 63.0 | 67.0 | 72.0 | 72.0 | 71.0 | 72.0 |
| Speed: | 1185.0 | 1170.0 | 1155.0 | 1140.0 | 1120.0 | 1100.0 | 1120.0 |
| Line Amperes: | 0.76 | 0.8 | 0.88 | 0.96 | 1.04 | 1.2 | 1.04 |

Performance Graph at 575V, 60Hz, 0.5HP Typical performance - Not guaranteed values





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NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

| | | | |
|---|---------|------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS | | | |
| REV. LTR: D | BY: JLP | REVISED: 01/21/99 4:02 | TDR: 0171435 |
| 9000D | | FILE: AAA00005141 | MDL: - |
| | | MTL: - | |

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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