

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **CM3534-5**

**.33HP,1725RPM,3PH,60HZ,56C,3413M,TEFC,F1**

| Part Detail |      |                |       |             |          |               |            |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | K    | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | 3413M | Elec. Spec: | 34WG0901 | CD Diagram:   | CD0006     |
| Enclosure:  | TEFC | Mfg Plant:     |       | Mech. Spec: | 34A062   | Layout:       | 34LYA062   |
| Frame:      | 56C  | Mounting:      | F1    | Poles:      | 04       | Created Date: |            |
| Base:       | RG   | Rotation:      | R     | Insulation: | B        | Eff. Date:    | 05-31-2016 |
| Leads:      | 3#18 |                |       |             |          | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP1256L

|              |              |  |  |      |                |     |    |       |    |   |  |
|--------------|--------------|--|--|------|----------------|-----|----|-------|----|---|--|
| CAT.NO.      | CM3534-5     |  |  |      |                |     |    |       |    |   |  |
| SPEC.        | 34A62-901    |  |  |      |                |     |    |       |    |   |  |
| HP           | .33          |  |  |      |                |     |    |       |    |   |  |
| VOLTS        | 575          |  |  |      |                |     |    |       |    |   |  |
| AMP          | .64          |  |  |      |                |     |    |       |    |   |  |
| RPM          | 1725         |  |  |      |                |     |    |       |    |   |  |
| FRAME        | 56C          |  |  |      | HZ             |     | 60 |       | PH | 3 |  |
| SER.F.       | 1.35         |  |  | CODE | L              | DES | B  | CLASS | B  |   |  |
| NEMA-NOM-EFF | 68           |  |  | PF   | 57             |     |    |       |    |   |  |
| RATING       | 40C AMB-CONT |  |  |      |                |     |    |       |    |   |  |
| CC           |              |  |  |      | USABLE AT 208V |     |    |       |    |   |  |
| DE           | 6203         |  |  | ODE  | 6203           |     |    |       |    |   |  |
| ENCL         | TEFC         |  |  | SN   |                |     |    |       |    |   |  |
|              | SFA .7       |  |  |      |                |     |    |       |    |   |  |

| Parts List    |                                          |          |
|---------------|------------------------------------------|----------|
| Part Number   | Description                              | Quantity |
| SA009841      | SA 34A62-901                             | 1.000 EA |
| RA006286      | RA 34A62-901                             | 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 |
| 34EP3300A24SP | PU ENDPLATE, MACH                        | 1.000 EA |
| 51XN1032A20   | 10-32 X 1 1/4 HX WS SL SR                | 2.000 EA |
| 34FN3002A01SP | EXTERNAL FAN, PLASTIC, .637/.639 HUB W/  | 1.000 EA |
| 34FH4002A01SP | IEC FH NO GREASER PRIMED                 | 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 |
| HW2501D13     | KEY, 3/16 SQ X 1.375                     | 1.000 EA |
| HA7000A04     | KEY RETAINER 0.625 DIA SHAFTS            | 1.000 EA |
| MG1000G27     | MED CHARCOAL METALLIC GREY 400-0096      | 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 |
| MN416A01      | TAG-INSTAL-MAINT no wire (1000/bx) 11/14 | 1.000 EA |
| LB1119N       | WARNING LABEL                            | 1.000 EA |

| Parts List (continued) |                             |          |
|------------------------|-----------------------------|----------|
| Part Number            | Description                 | Quantity |
| LC0006                 | CONNECTION LABEL            | 1.000 EA |
| NP1256L                | ALUM UL CSA CC              | 1.000 EA |
| 34PA1002               | PKG GRP, PRINT    PK1001A01 | 1.000 EA |

**AC Induction Motor Performance Data**

Record # 6614 - Typical performance - not guaranteed values

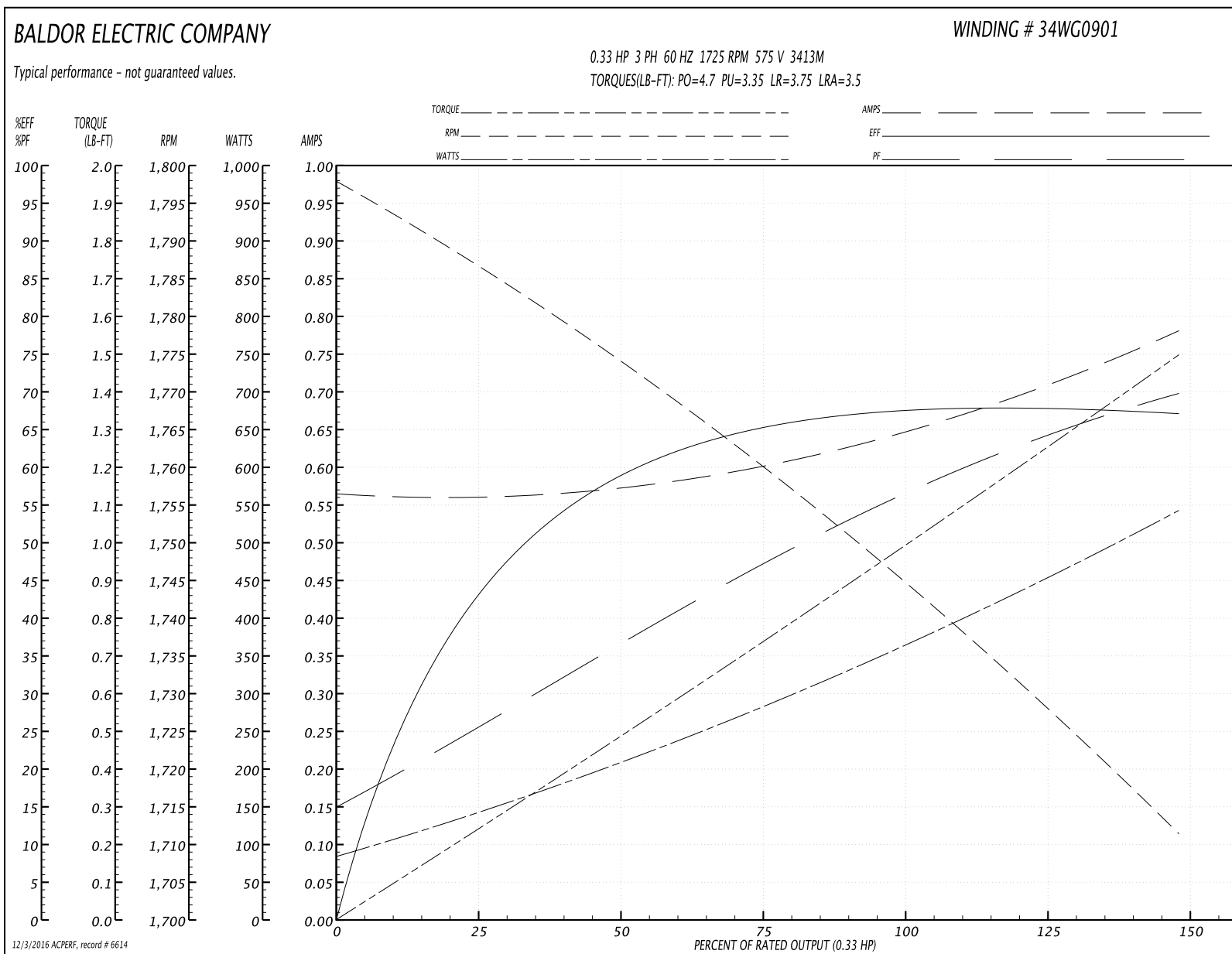
|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 34WG0901-R001 | <b>Type:</b> 3413M | <b>Enclosure:</b> TEFC |
|-------------------------------|--------------------|------------------------|

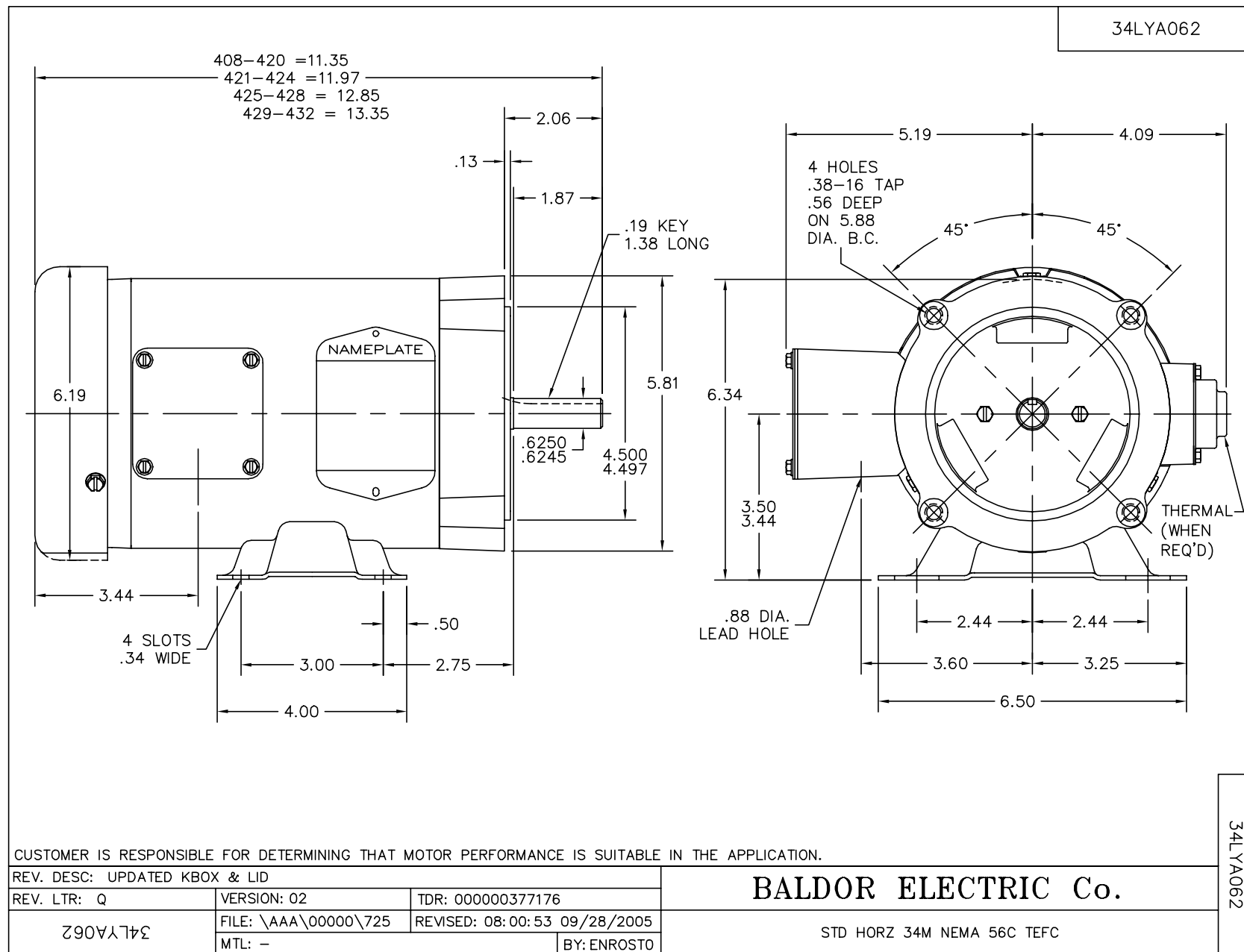
| Nameplate Data        |              |              |    | 575 V, 60 Hz:<br>Single Voltage Motor |                |
|-----------------------|--------------|--------------|----|---------------------------------------|----------------|
| Rated Output (HP)     | .33          |              |    | Full Load Torque                      | 1 LB-FT        |
| Volts                 | 575          |              |    | Start Configuration                   | direct on line |
| Full Load Amps        | .64          |              |    | Breakdown Torque                      | 4.7 LB-FT      |
| R.P.M.                | 1725         |              |    | Pull-up Torque                        | 3.35 LB-FT     |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                   | 3.75 LB-FT     |
| NEMA Design Code      | B            | KVA Code     | L  | Starting Current                      | 3.5 A          |
| Service Factor (S.F.) | 1.35         |              |    | No-load Current                       | 0.56 A         |
| NEMA Nom. Eff.        | 68           | Power Factor | 57 | Line-line Res. @ 25°C                 | 77.1 Ω         |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load               | 47°C           |
| S.F. Amps             | .7           |              |    | Temp. Rise @ S.F. Load                | 61°C           |

**Load Characteristics 575 V, 60 Hz, 0.33 HP**

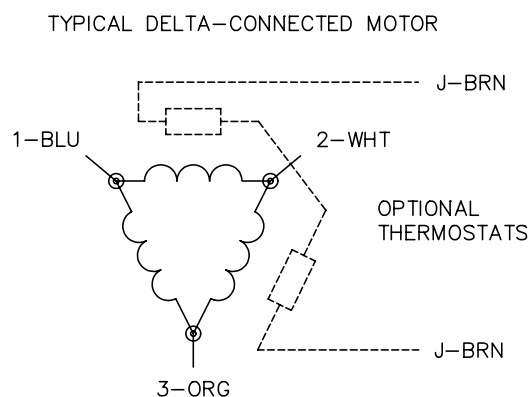
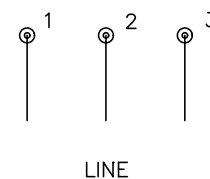
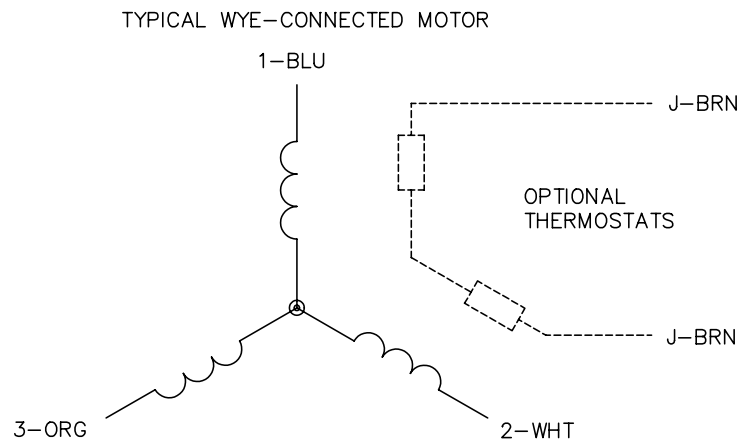
|                 |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
| Power Factor    | 28   | 40   | 50   | 57   | 64   | 69   | 66   |
| Efficiency      | 44   | 59   | 65   | 68   | 68   | 67   | 68   |
| Speed           | 1788 | 1770 | 1760 | 1745 | 1730 | 1710 | 1725 |
| Line amperes    | 0.56 | 0.58 | 0.62 | 0.64 | 0.68 | 0.8  | 0.72 |

## Performance Graph at 575V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0006



## 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

CD0006