

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **CL3501**

**.33HP, 1725RPM, 1PH, 60HZ, 56C, 3414L, TEFC, F1**

| Part Detail |      |                |       |             |          |               |            |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | AD   | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | 3414L | Elec. Spec: | 34WG5507 | CD Diagram:   | CD0001     |
| Enclosure:  | TEFC | Mfg Plant:     |       | Mech. Spec: | 34C062   | Layout:       | 34LYC062   |
| Frame:      | 56C  | Mounting:      | F1    | Poles:      | 04       | Created Date: |            |
| Base:       | RG   | Rotation:      | R     | Insulation: | B        | Eff. Date:    | 08-26-2015 |
| Leads:      | 6#18 |                |       |             |          | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |       |             |          |               |            |

| Nameplate NP1256L |              |  |      |     |      |    |  |                |     |   |
|-------------------|--------------|--|------|-----|------|----|--|----------------|-----|---|
| CAT.NO.           | CL3501       |  |      |     |      |    |  |                |     |   |
| SPEC.             | 34C62-5507   |  |      |     |      |    |  |                |     |   |
| HP                | .33          |  |      |     |      |    |  |                |     |   |
| VOLTS             | 115/230      |  |      |     |      |    |  |                |     |   |
| AMP               | 6/3          |  |      |     |      |    |  |                |     |   |
| RPM               | 1725         |  |      |     |      |    |  |                |     |   |
| FRAME             | 56C          |  |      |     | HZ   | 60 |  |                | PH  | 1 |
| SER.F.            | 1.35         |  | CODE | L   | DES  | N  |  | CLASS          | B   |   |
| NEMA-NOM-EFF      | 60           |  | PF   | 60  |      |    |  |                |     |   |
| RATING            | 40C AMB-CONT |  |      |     |      |    |  |                |     |   |
| CC                |              |  |      |     |      |    |  | USABLE AT 208V | 3.6 |   |
| DE                | 6203         |  |      | ODE | 6203 |    |  |                |     |   |
| ENCL              | TEFC         |  | SN   |     |      |    |  |                |     |   |
|                   | SFA 6.8/3.4  |  |      |     |      |    |  |                |     |   |

**AC Induction Motor Performance Data**  
Record # 6774 - Typical performance - not guaranteed values

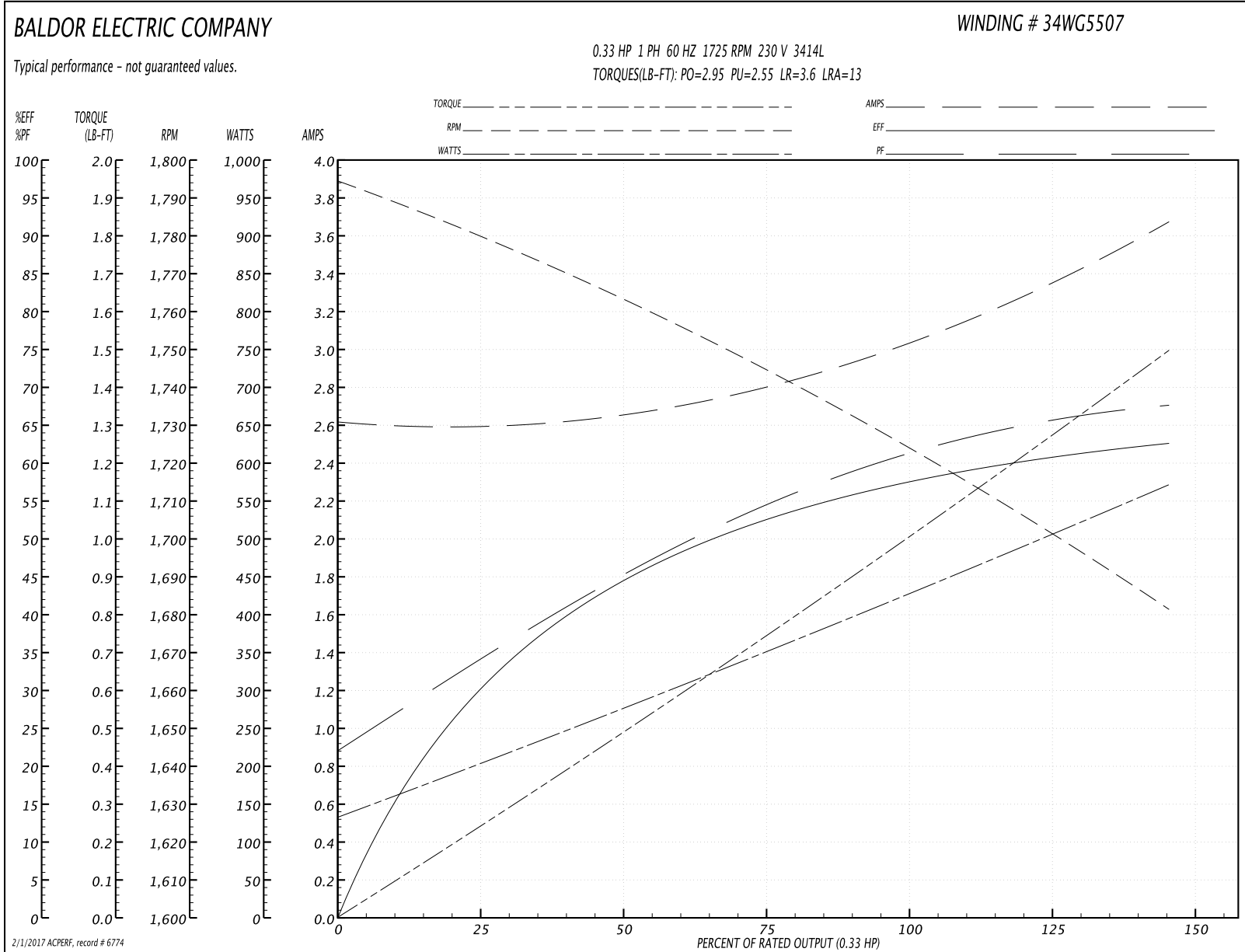
|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 34WG5507-R001 | <b>Type:</b> 3414L | <b>Enclosure:</b> TEFC |
|-------------------------------|--------------------|------------------------|

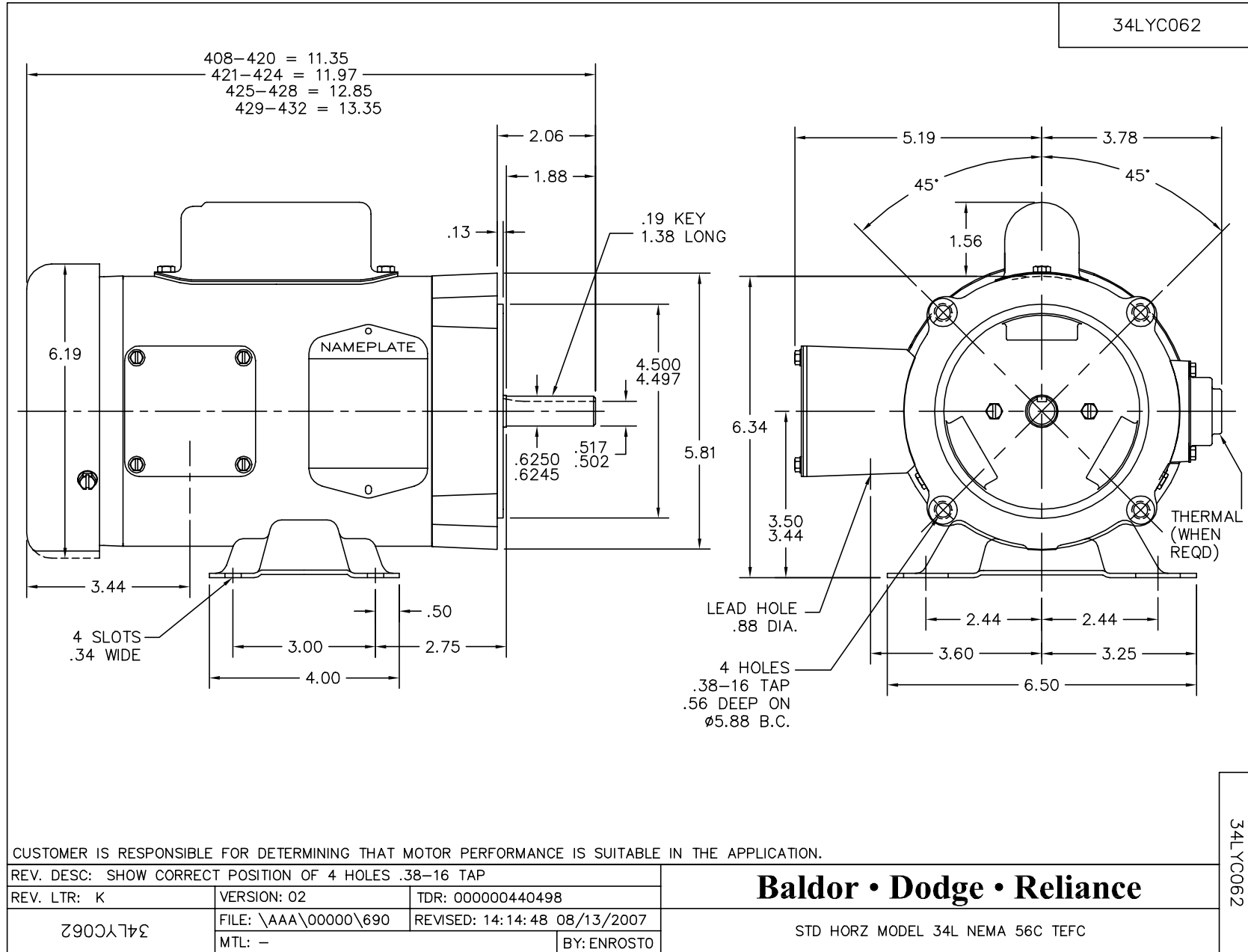
| Nameplate Data        |              |              |    | 230 V, 60 Hz:<br>High Voltage Connection |                            |
|-----------------------|--------------|--------------|----|--|----------------------------|
| Rated Output (HP)     | .33          |              |    | Full Load Torque                         | 1 LB-FT                    |
| Volts                 | 115/230      |              |    | Start Configuration                      | direct on line             |
| Full Load Amps        | 6/3          |              |    | Breakdown Torque                         | 2.95 LB-FT                 |
| R.P.M.                | 1725         |              |    | Pull-up Torque                           | 2.55 LB-FT                 |
| Hz                    | 60           | Phase        | 1  | Locked-rotor Torque                      | 3.6 LB-FT                  |
| NEMA Design Code      | N            | KVA Code     | L  | Starting Current                         | 13 A                       |
| Service Factor (S.F.) | 1.35         |              |    | No-load Current                          | 2.6 A                      |
| NEMA Nom. Eff.        | 60           | Power Factor | 60 | Line-line Res. @ 25°C                    | 6.32 Ω A Ph<br>4.93 Ω B Ph |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load                  | 67°C                       |
| S.F. Amps             | 6.8/3.4      |              |    | Temp. Rise @ S.F. Load                   | 83°C                       |

Load Characteristics 230 V, 60 Hz, 0.33 HP

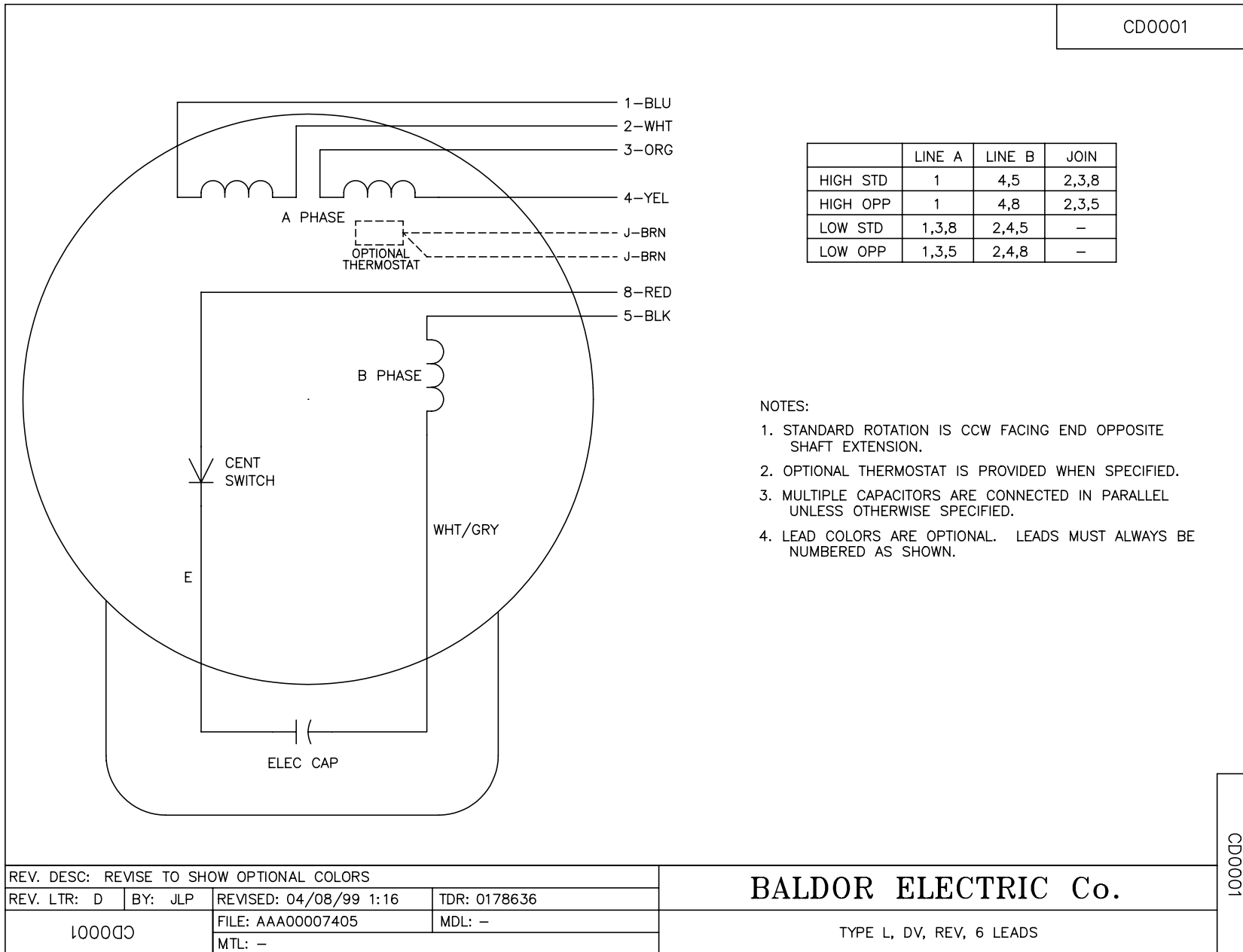
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 31   | 41   | 52   | 60   | 67   | 73   | 71   |
| Efficiency      | 33   | 41   | 52   | 60   | 61.5 | 61.5 | 61.5 |
| Speed           | 1780 | 1760 | 1745 | 1725 | 1705 | 1680 | 1690 |
| Line amperes    | 2.6  | 2.7  | 2.8  | 3    | 3.3  | 3.7  | 3.4  |

Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0001



|   |         |                        |              |
|---|---------|------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                        |              |
| REV. LTR: D                               | BY: JLP | REVISED: 04/08/99 1:16 | TDR: 0178636 |
| 100000                                    |         | FILE: AAA00007405      | MDL: -       |
|   |         | MTL: -                 |              |

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, 6 LEADS

CD0001