

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **VL3507**

**.75HP, 1725RPM, 1PH, 60HZ, 56C, 3428LC, TEFC**

| Part Detail |      |                |        |             |          |               |            |
|-------------|------|----------------|--------|-------------|----------|---------------|------------|
| Revision:   | AA   | Status:        | PRD/A  | Change #:   |          | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | 3428LC | Elec. Spec: | 34WGY094 | CD Diagram:   | CD0055     |
| Enclosure:  | TEFC | Mfg Plant:     |        | Mech. Spec: | 34G452   | Layout:       | 34LYG452   |
| Frame:      | 56C  | Mounting:      | F1     | Poles:      | 04       | Created Date: |            |
| Base:       | N    | Rotation:      | R      | Insulation: | F        | Eff. Date:    | 08-26-2015 |
| Leads:      | 6#18 |                |        |             |          | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |        |             |          |               |            |

| Nameplate NP1256L |              |  |      |    |     |      |  |                |     |   |
|-------------------|--------------|--|------|----|-----|------|--|----------------|-----|---|
| CAT.NO.           | VL3507       |  |      |    |     |      |  |                |     |   |
| SPEC.             | 34G452Y094   |  |      |    |     |      |  |                |     |   |
| HP                | .75          |  |      |    |     |      |  |                |     |   |
| VOLTS             | 115/230      |  |      |    |     |      |  |                |     |   |
| AMP               | 8.4/4.2      |  |      |    |     |      |  |                |     |   |
| RPM               | 1725         |  |      |    |     |      |  |                |     |   |
| FRAME             | 56C          |  |      |    | HZ  | 60   |  |                | PH  | 1 |
| SER.F.            | 1.25         |  | CODE | J  | DES | N    |  | CLASS          | F   |   |
| NEMA-NOM-EFF      | 72           |  | PF   | 78 |     |      |  |                |     |   |
| RATING            | 40C AMB-CONT |  |      |    |     |      |  |                |     |   |
| CC                |              |  |      |    |     |      |  | USABLE AT 208V | 5.4 |   |
| DE                | 6203         |  |      |    | ODE | 6203 |  |                |     |   |
| ENCL              | TEFC         |  | SN   |    |     |      |  |                |     |   |
|                   | SFA 10/5     |  |      |    |     |      |  |                |     |   |

**AC Induction Motor Performance Data**  
Record # 7788 - Typical performance - not guaranteed values

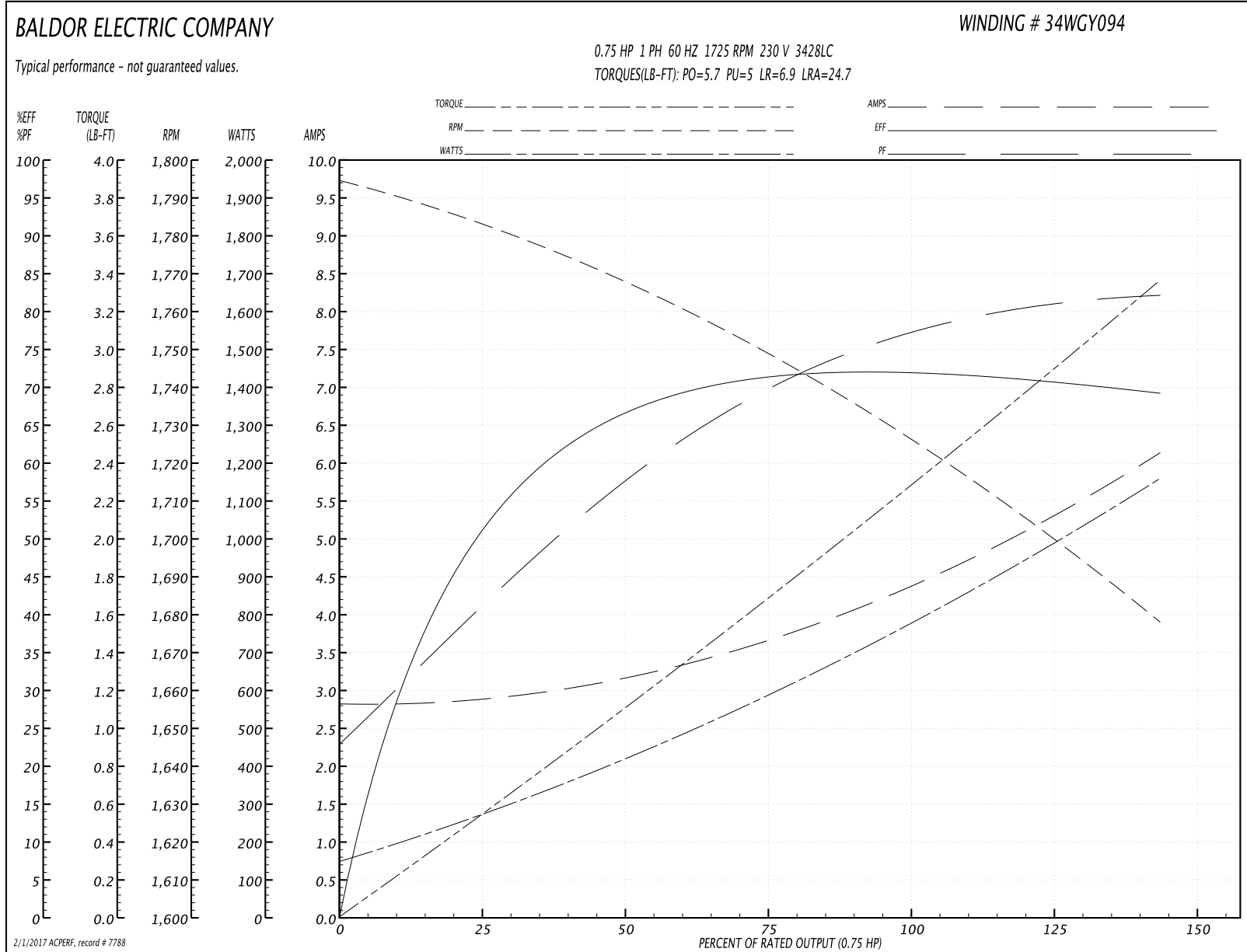
|                               |                     |                        |
|-------------------------------|---------------------|------------------------|
| <b>Winding:</b> 34WGY094-R001 | <b>Type:</b> 3428LC | <b>Enclosure:</b> TEFC |
|-------------------------------|---------------------|------------------------|

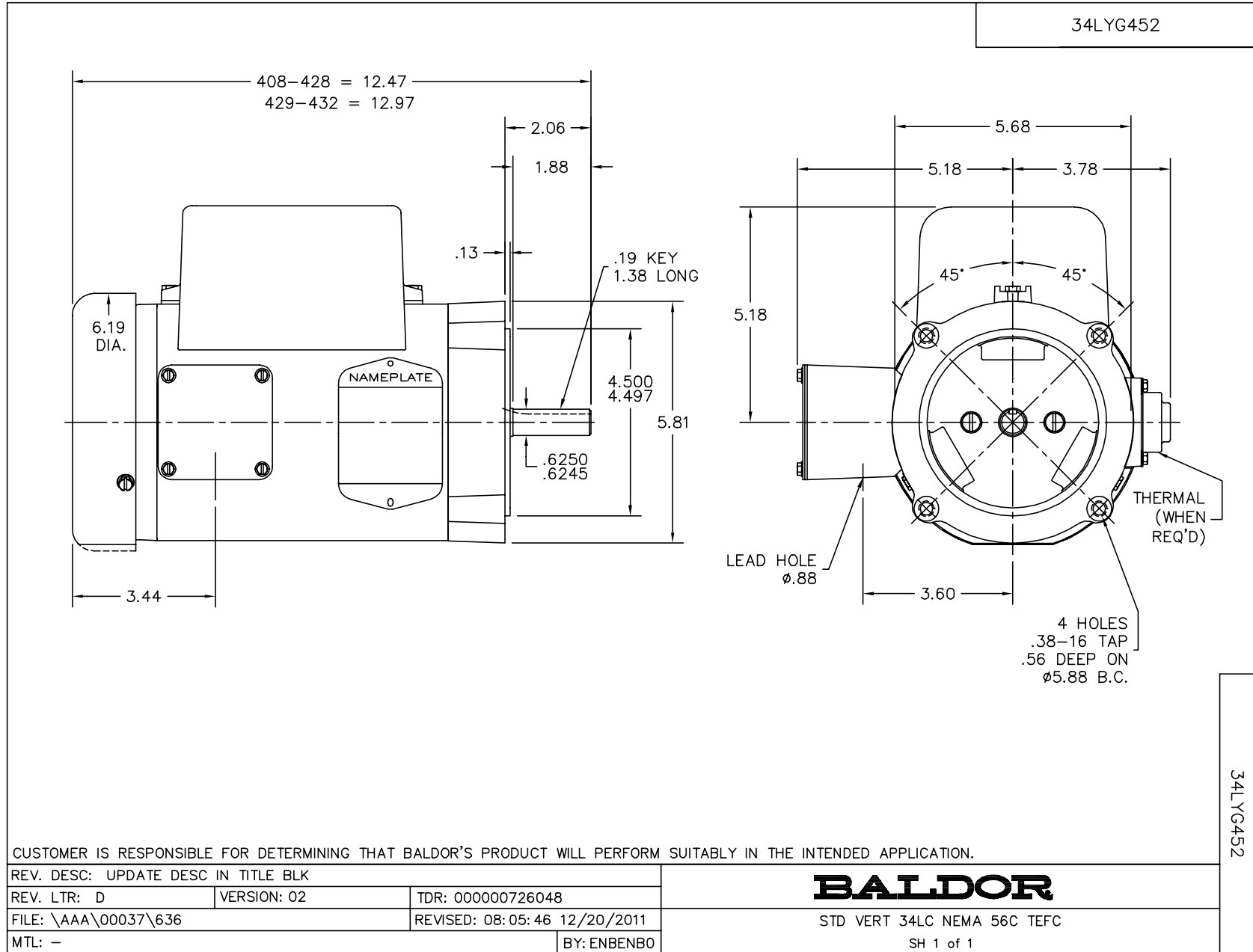
| Nameplate Data        |              |              |    | 230 V, 60 Hz:<br>High Voltage Connection |                            |
|-----------------------|--------------|--------------|----|--|----------------------------|
| Rated Output (HP)     | .75          |              |    | Full Load Torque                         | 2.25 LB-FT                 |
| Volts                 | 115/230      |              |    | Start Configuration                      | direct on line             |
| Full Load Amps        | 8.4/4.2      |              |    | Breakdown Torque                         | 5.7 LB-FT                  |
| R.P.M.                | 1725         |              |    | Pull-up Torque                           | 5 LB-FT                    |
| Hz                    | 60           | Phase        | 1  | Locked-rotor Torque                      | 6.9 LB-FT                  |
| NEMA Design Code      | N            | KVA Code     | J  | Starting Current                         | 24.7 A                     |
| Service Factor (S.F.) | 1.25         |              |    | No-load Current                          | 2.8 A                      |
| NEMA Nom. Eff.        | 72           | Power Factor | 78 | Line-line Res. @ 25°C                    | 3.22 Ω A Ph<br>1.76 Ω B Ph |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load                  | 71°C                       |
| S.F. Amps             | 10/5         |              |    | Temp. Rise @ S.F. Load                   | 89°C                       |

Load Characteristics 230 V, 60 Hz, 0.75 HP

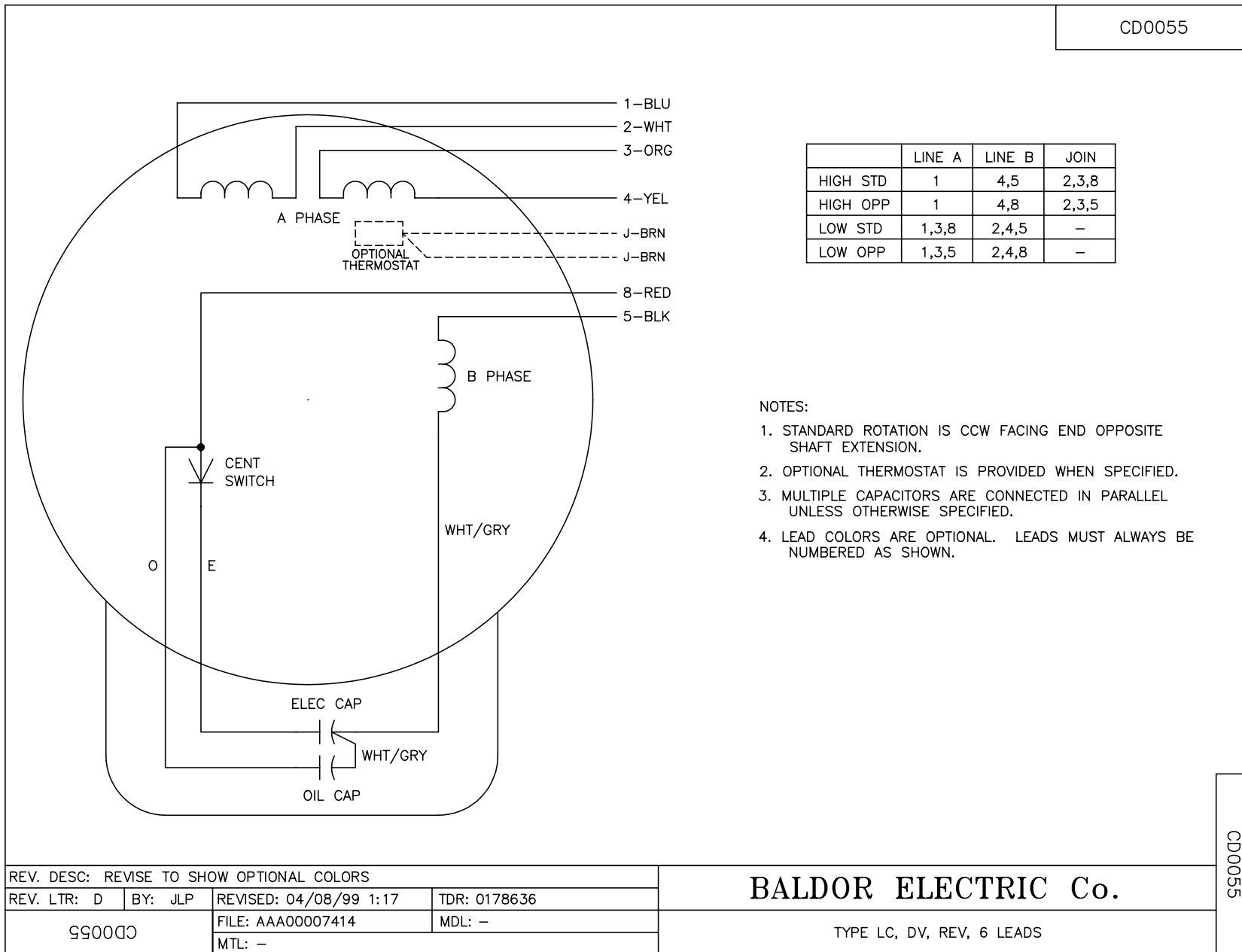
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 43   | 57   | 70   | 78   | 82   | 86   | 82   |
| Efficiency      | 50.2 | 66.1 | 71.1 | 72.3 | 72   | 68.6 | 72   |
| Speed           | 1780 | 1766 | 1749 | 1729 | 1707 | 1675 | 1707 |
| Line amperes    | 2.9  | 3.2  | 3.7  | 4.3  | 5.1  | 6.2  | 5.1  |

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





CD0055



|   |         |                        |              |
|---|---------|------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                        |              |
| REV. LTR: D                               | BY: JLP | REVISED: 04/08/99 1:17 | TDR: 0178636 |
| 990000                                    |         | FILE: AAA00007414      | MDL: -       |
|   |         | MTL: -                 |              |

**BALDOR ELECTRIC Co.**

TYPE LC, DV, REV, 6 LEADS

CD0055