

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **VM7001A**

**VM7001A**

| Part Detail |       |                |       |             |          |               |            |
|-------------|-------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | U     | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC    | Prod. Type:    | 3410M | Elec. Spec: | 34WG5724 | CD Diagram:   | CD0007     |
| Enclosure:  | XPFC  | Mfg Plant:     |       | Mech. Spec: | 34-5336  | Layout:       | 34LY5336   |
| Frame:      | 56C   | Mounting:      | F1    | Poles:      | 04       | Created Date: |            |
| Base:       | N     | Rotation:      | R     | Insulation: | B        | Eff. Date:    | 01-21-2016 |
| Leads:      | 12#18 |                |       |             |          | Replaced By:  |            |
| Literature: |       | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP0016XPSL

|                |              |              |     |
|----------------|--------------|--------------|-----|
| NO.            |              | CC           |     |
| SER.           |              |              |     |
| SPEC.          | 34-5336-5724 |              |     |
| CAT.NO.        | VM7001A      |              |     |
| HP             | .25          | T. CODE      | T3C |
| VOLTS          | 208-230/460  |              |     |
| AMPS           | 1.4-1.3/.65  |              |     |
| RPM            | 1725         |              |     |
| HZ             | 60           | PH           | 3   |
| SER.F.         | 1.00         | DES          | B   |
| RATING         | 40C AMB-CONT |              |     |
| FRAME          | 56C          | NEMA-NOM-EFF | 63  |
| USABLE AT 208V | 1.4          | PF           | 56  |
| BLANK          |              |              |     |

**AC Induction Motor Performance Data**

Record # 16504 - Typical performance - not guaranteed values

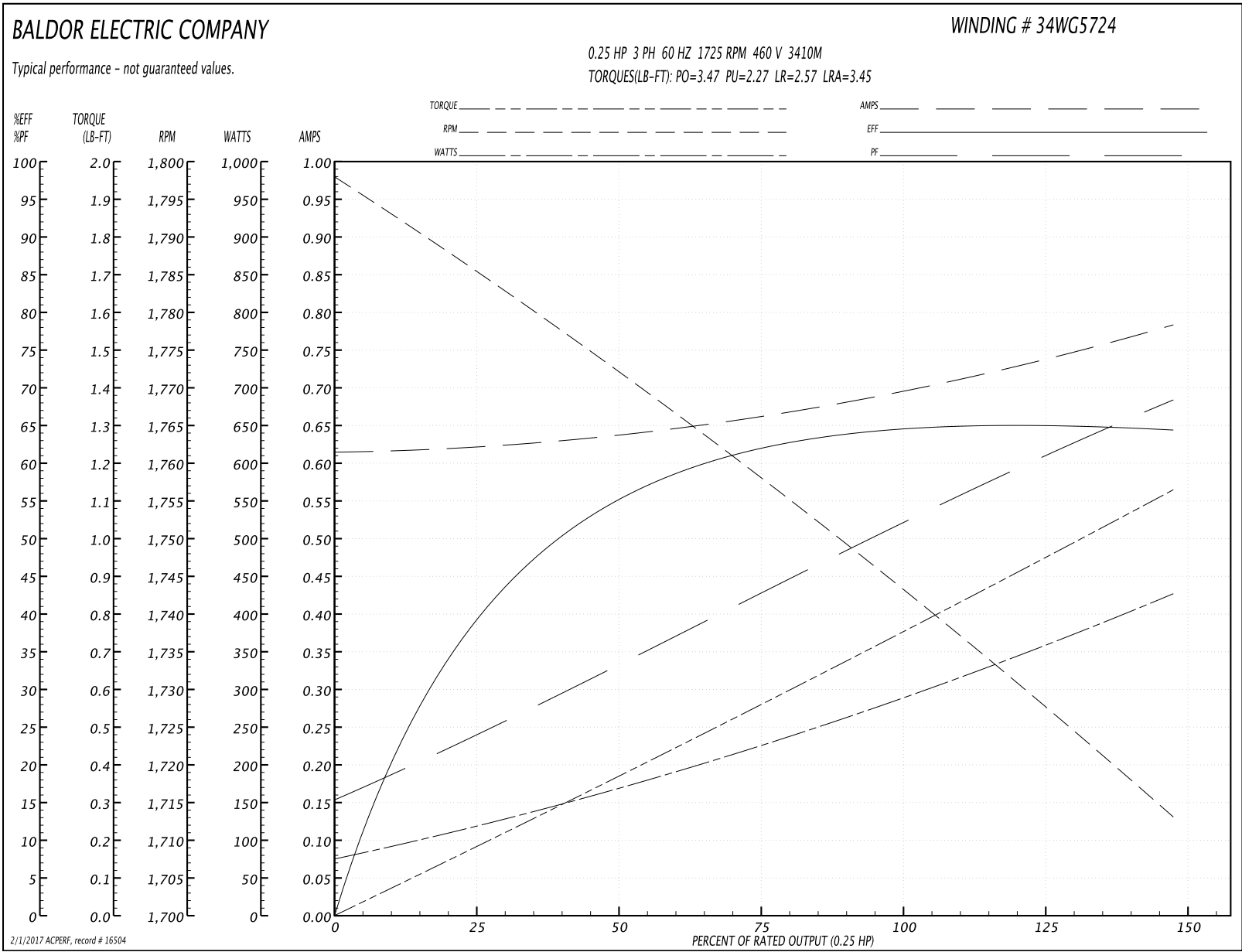
|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 34WG5724-R001 | <b>Type:</b> 3410M | <b>Enclosure:</b> XPFC |
|-------------------------------|--------------------|------------------------|

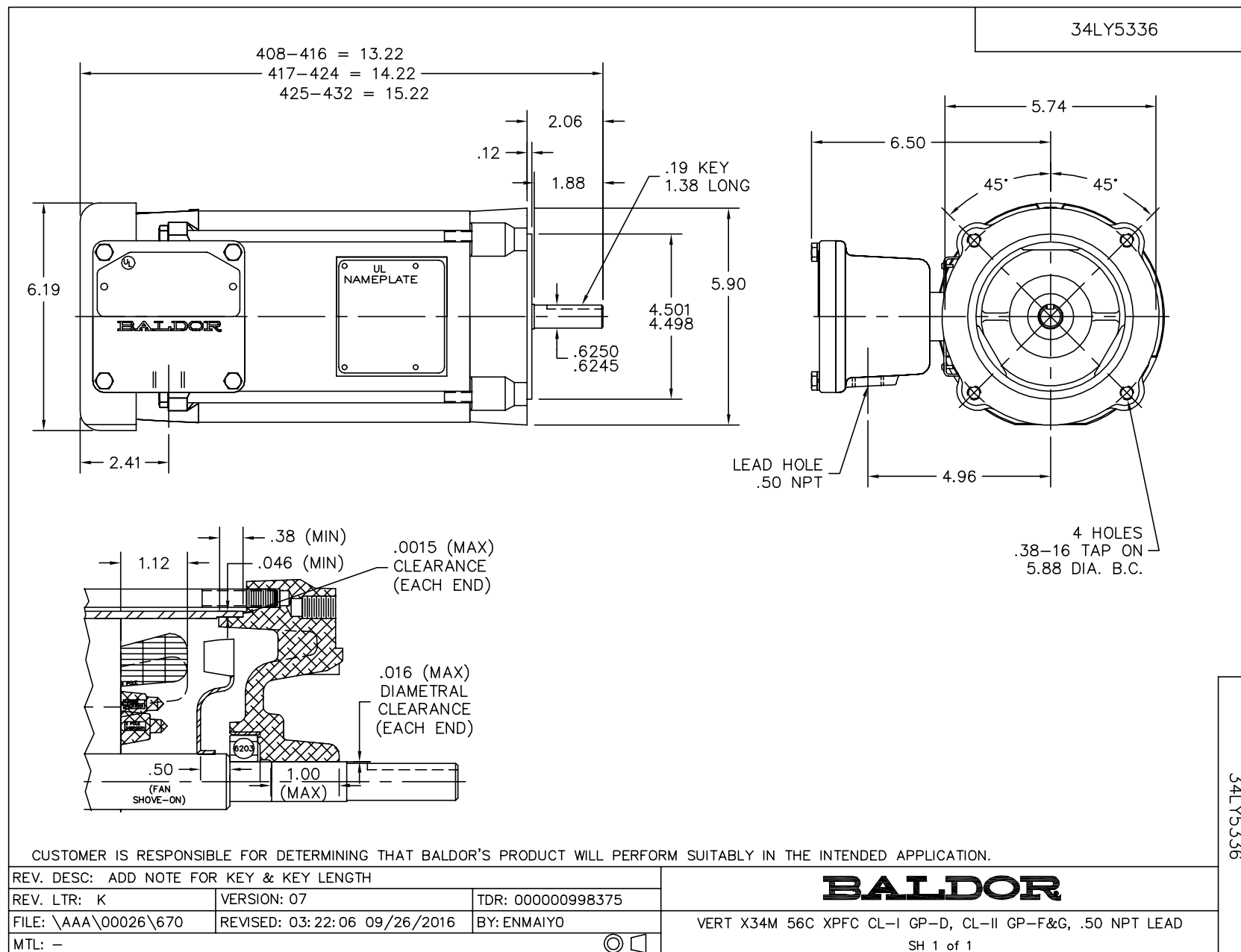
| Nameplate Data        |              |              |    | 460 V, 60 Hz:<br>High Voltage Connection |                |
|-----------------------|--------------|--------------|----|------------------------------------------|----------------|
| Rated Output (HP)     | 0.25         |              |    | Full Load Torque                         | 0.75 LB-FT     |
| Volts                 | 208-230/460  |              |    | Start Configuration                      | direct on line |
| Full Load Amps        | 1.4-1.3/0.65 |              |    | Breakdown Torque                         | 3.47 LB-FT     |
| R.P.M.                | 1725         |              |    | Pull-up Torque                           | 2.27 LB-FT     |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                      | 2.57 LB-FT     |
| NEMA Design Code      | B            | KVA Code     | L  | Starting Current                         | 3.45 A         |
| Service Factor (S.F.) | 1            |              |    | No-load Current                          | 0.6 A          |
| NEMA Nom. Eff.        | 63           | Power Factor | 56 | Line-line Res. @ 25°C                    | 70.7 $\Omega$  |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load                  |                |

**Load Characteristics 460 V, 60 Hz, 0.25 HP**

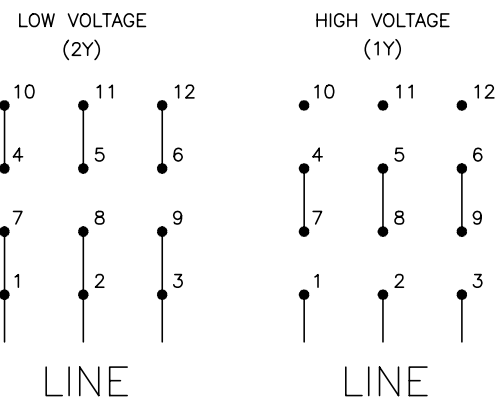
|                 |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  |
| Power Factor    | 23   | 33   | 43   | 54   | 60   | 68   |
| Efficiency      | 40.1 | 55.5 | 62.5 | 64   | 64.9 | 64.5 |
| Speed           | 1785 | 1772 | 1758 | 1743 | 1729 | 1713 |
| Line amperes    | 0.64 | 0.65 | 0.66 | 0.67 | 0.74 | 0.79 |

Performance Graph at 460V, 60Hz, 0.25HP Typical performance - Not guaranteed values





CD0007



1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

BALDOR ELECTRIC Co.

3PH, DV, THERMAL, 12 LEADS