

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **M7010-5**

**.75HP,1725RPM,3PH,60HZ,56,X3512M,XPFC,F1**

| Part Detail |      |                |       |             |          |               |            |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | AB   | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | 3512M | Elec. Spec: | 35WG0464 | CD Diagram:   | CD0006     |
| Enclosure:  | XPFC | Mfg Plant:     |       | Mech. Spec: | 35E356   | Layout:       | 35LYE356   |
| Frame:      | 56   | Mounting:      | F1    | Poles:      | 04       | Created Date: |            |
| Base:       | RG   | Rotation:      | R     | Insulation: | B        | Eff. Date:    | 01-20-2017 |
| Leads:      | 3#18 |                |       |             |          | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP1426XPSL

|                |               |              |     |
|----------------|---------------|--------------|-----|
| NO.            |               | CC           |     |
| SER.           |               |              |     |
| SPEC.          | 35E356-0464G1 |              |     |
| CAT.NO.        | M7010-5       |              |     |
| HP             | .75           | T. CODE      | T3C |
| VOLTS          | 575           |              |     |
| AMPS           | 1.2           |              |     |
| RPM            | 1725          |              |     |
| HZ             | 60            | PH           | 3   |
| SER.F.         | 1.00          | DES          | B   |
| RATING         | 40C AMB-CONT  |              |     |
| FRAME          | 56            | CL           | B   |
| USABLE AT 208V |               | CODE         | K   |
| BLANK          |               | PF           | 69  |
|                |               | NEMA-NOM-EFF | 76  |

| Parts List    |                                          |          |
|---------------|------------------------------------------|----------|
| Part Number   | Description                              | Quantity |
| SA023908      | SA 35E356-0464G1                         | 1.000 EA |
| RA019958      | RA 35E356-0464G1                         | 1.000 EA |
| 35CB3001A01SP | EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE | 1.000 EA |
| 11XW1032G06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| HW3001B01     | BRASS CUP WASHER, FOR #8 SCREW           | 1.000 EA |
| 35EP3700A01SP | FR ENDPLATE, XPFC                        | 1.000 EA |
| HW5100A03     | WAVY WASHER (W1543-017)                  | 1.000 EA |
| 35EP3701A01   | PU ENDPLATE, XPFC - 205 BRG              | 1.000 EA |
| XY3118A12     | 5/16-18 HEX NUT DIRECTIONAL SERRATION    | 4.000 EA |
| 51XB1214A16   | 12-14X1.00 HXWSSLD SERTYB                | 1.000 EA |
| 35FH4005A01SP | IEC FH NO GREASER W/PRIMED               | 1.000 EA |
| 51XW1032A06   | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 EA |
| 35CB3500A01SP | CONDUIT BOX LID, MACH                    | 1.000 EA |
| 51XN2520A16   | SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00     | 4.000 EA |
| HW2501D13     | KEY, 3/16 SQ X 1.375                     | 1.000 EA |
| HA7000A04     | KEY RETAINER 0.625 DIA SHAFTS            | 1.000 EA |
| 85XU0407S04   | 4X1/4 U DRIVE PIN STAINLESS              | 6.000 EA |
| NP0018F       | ALUM UL XP CONDUIT BOX NAMEPLATE         | 1.000 EA |
| MJ1000A02     | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| 35FN3002A05SP | EXFN, PLASTIC, 6.376 OD, .638 ID         | 1.000 EA |
| MG1025G29     | WILKOFASST, 789.229, DARK CHARCOAL GRAY  | 0.017 GA |
| HA3104A06     | THRUBOLT 5/16-18 X 8.50 OHIO ROD         | 4.000 EA |
| LB1119N       | WARNING LABEL                            | 1.000 EA |
| LC0006        | CONNECTION LABEL                         | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| NP1426XPSL             | SS XP UL CSA CC CL-I GP-D CL-II GP-F&G   | 1.000 EA |
| 36PA1000               | PKG GRP, PRINT     PK1016A06             | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1000/bx) 11/14 | 1.000 EA |

**AC Induction Motor Performance Data**

Record # 20310 - Typical performance - not guaranteed values

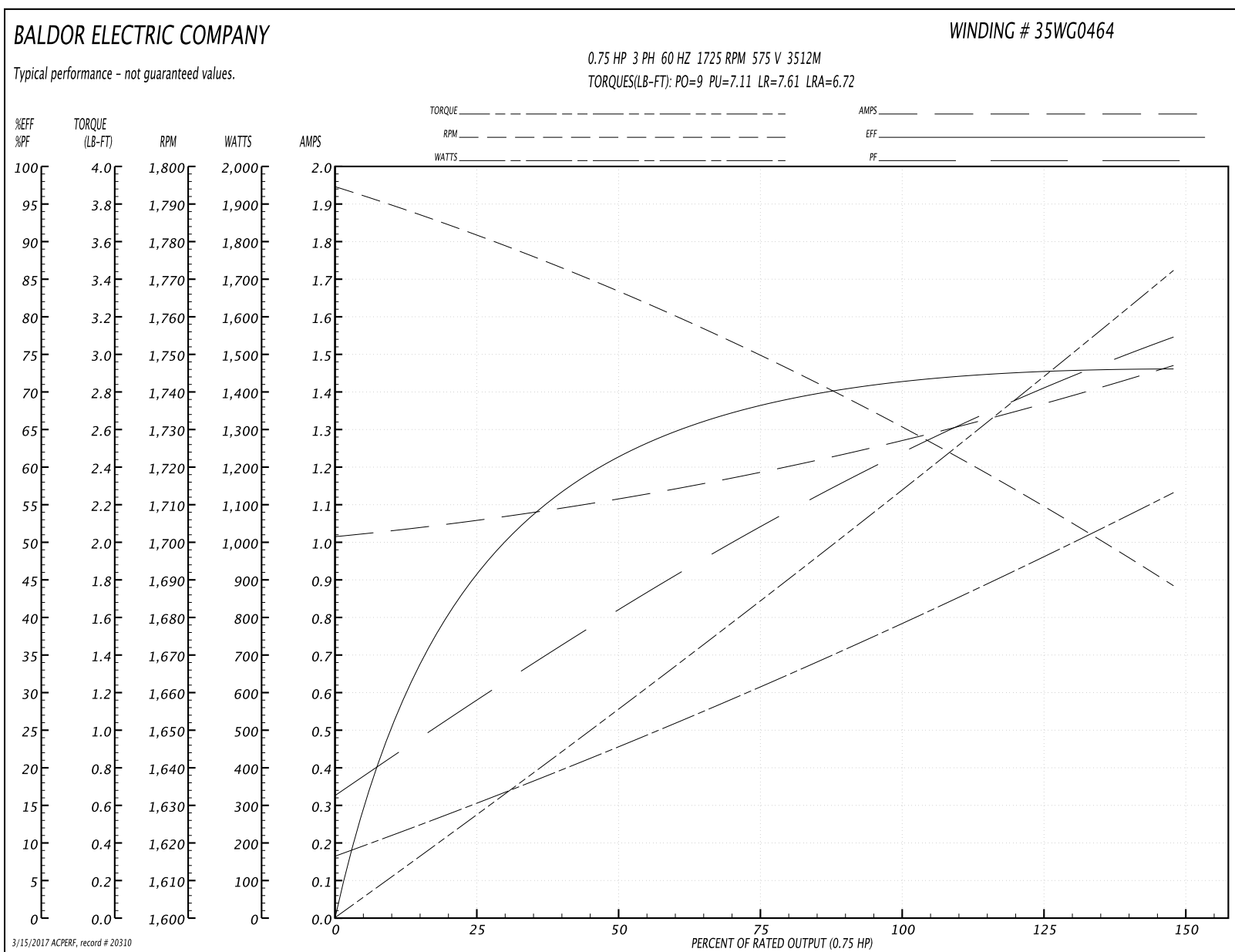
|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 35WG0464-R002 | <b>Type:</b> 3512M | <b>Enclosure:</b> XPFC |
|-------------------------------|--------------------|------------------------|

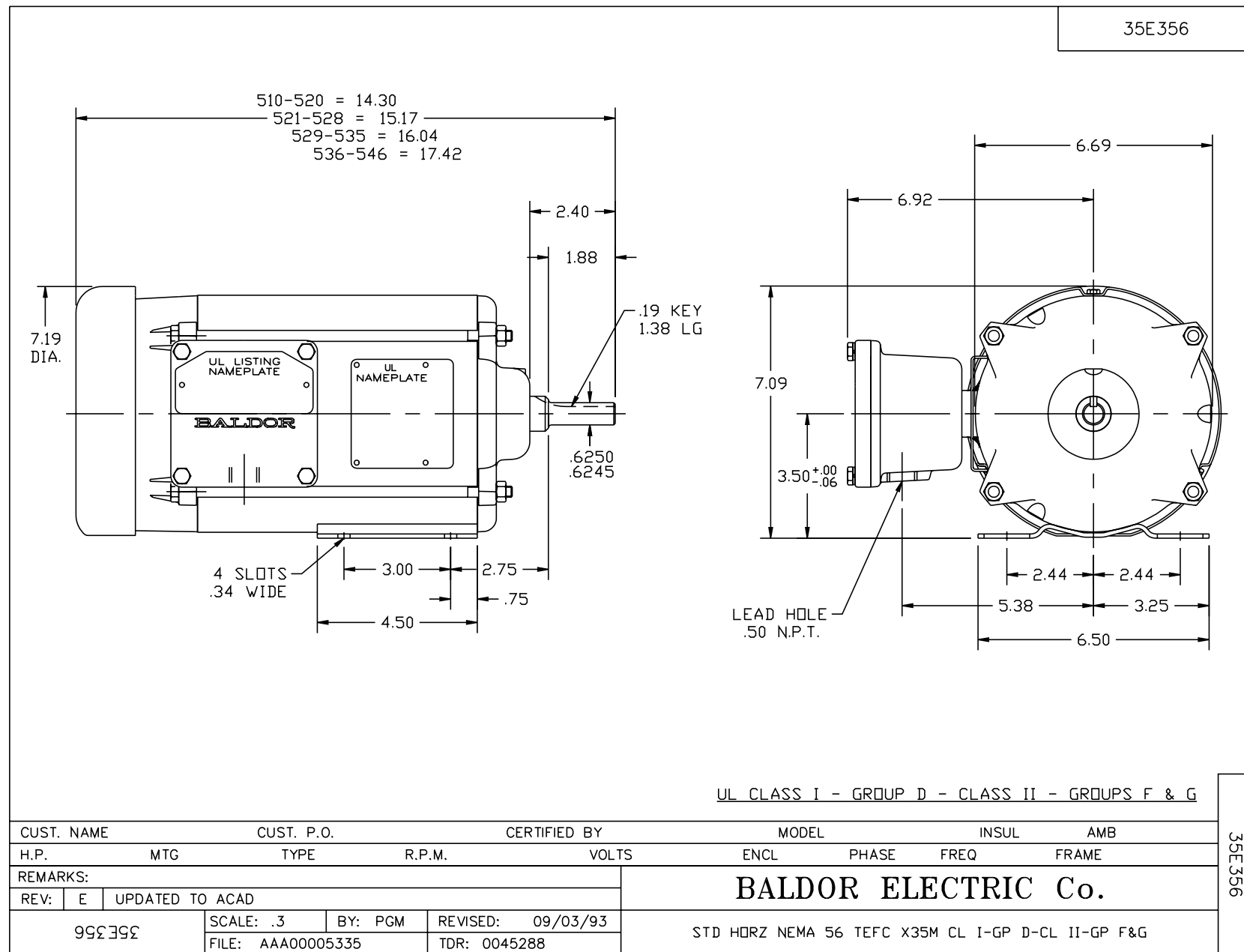
| Nameplate Data        |              |              |    | 575 V, 60 Hz:<br>Single Voltage Motor |                           |
|-----------------------|--------------|--------------|----|---------------------------------------|---------------------------|
| Rated Output (HP)     | .75          |              |    | Full Load Torque                      | 2.3 LB-FT                 |
| Volts                 | 575          |              |    | Start Configuration                   | direct on line            |
| Full Load Amps        | 1.2          |              |    | Breakdown Torque                      | 9 LB-FT                   |
| R.P.M.                | 1725         |              |    | Pull-up Torque                        | 7.11 LB-FT                |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                   | 7.61 LB-FT                |
| NEMA Design Code      | B            | KVA Code     | K  | Starting Current                      | 6.72 A                    |
| Service Factor (S.F.) | 1            |              |    | No-load Current                       | 1 A                       |
| NEMA Nom. Eff.        | 76           | Power Factor | 69 | Line-line Res. @ 25°C                 | 42.5 Ω                    |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load               | 54°C                      |
|                       |              |              |    | Locked-rotor Power Factor             | 79.3                      |
|                       |              |              |    | Rotor inertia                         | 0.0712 LB-FT <sup>2</sup> |

**Load Characteristics 575 V, 60 Hz, 0.75 HP**

|                 |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  |
| Power Factor    | 29   | 43   | 53   | 62   | 70   | 78   |
| Efficiency      | 46.1 | 61.6 | 68.7 | 71.6 | 72.9 | 72.9 |
| Speed           | 1781 | 1765 | 1749 | 1730 | 1710 | 1688 |
| Line amperes    | 1.1  | 1.09 | 1.19 | 1.28 | 1.37 | 1.47 |

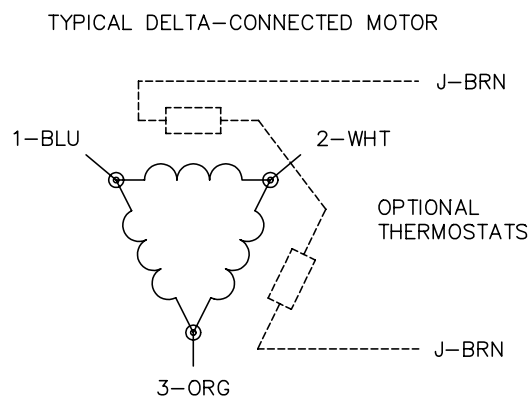
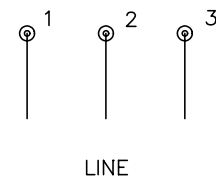
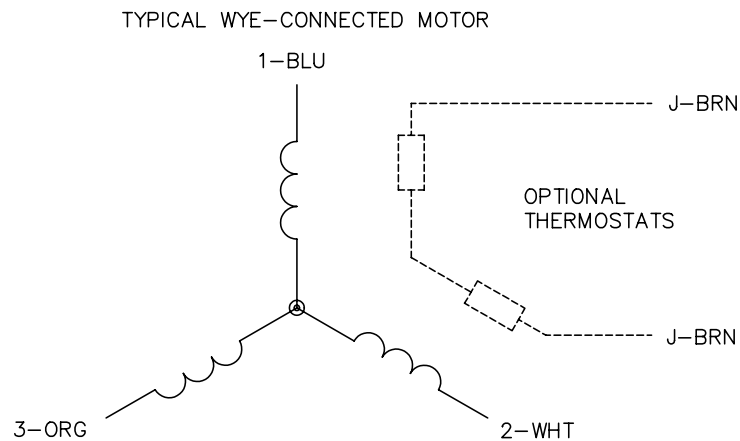
## Performance Graph at 575V, 60Hz, 0.75HP Typical performance - Not guaranteed values







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