

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **EM3769T**

**7.5HP,3510RPM,3PH,60HZ,213T,0726M,TEFC,F**

| Part Detail |      |                |       |             |          |               |            |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | K    | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | 0726M | Elec. Spec: | 07WGY328 | CD Diagram:   | CD0005     |
| Enclosure:  | TEFC | Mfg Plant:     |       | Mech. Spec: | 07H002   | Layout:       | 07LYH002   |
| Frame:      | 213T | Mounting:      | F1    | Poles:      | 02       | Created Date: | 06-19-2012 |
| Base:       | RG   | Rotation:      | R     | Insulation: | F        | Eff. Date:    | 10-16-2015 |
| Leads:      | 9#14 |                |       |             |          | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |       |             |          |               |            |

## Nameplate NP3441LUA

|              |              |  |      |                |     |      |    |    |  |      |    |   |
|--------------|--------------|--|------|----------------|-----|------|----|----|--|------|----|---|
| CAT.NO.      | EM3769T      |  |      |                |     |      |    |    |  |      |    |   |
| SPEC.        | 07H002Y328G1 |  |      |                |     |      |    |    |  |      |    |   |
| HP           | 7.5          |  |      |                |     |      |    |    |  |      |    |   |
| VOLTS        | 230/460      |  |      |                |     |      |    |    |  |      |    |   |
| AMP          | 18/9         |  |      |                |     |      |    |    |  |      |    |   |
| RPM          | 3510         |  |      |                |     |      |    |    |  |      |    |   |
| FRAME        | 213T         |  |      |                | HZ  |      | 60 |    |  |      | PH | 3 |
| SER.F.       | 1.15         |  | CODE | H              | DES |      | B  | CL |  | F    |    |   |
| NEMA-NOM-EFF | 89.5         |  |      | PF             | 86  |      |    |    |  |      |    |   |
| RATING       | 40C AMB-CONT |  |      |                |     |      |    |    |  |      |    |   |
| CC           | 010A         |  |      | USABLE AT 208V |     |      |    |    |  | 18.8 |    |   |
| DE           | 6307         |  |      | ODE            |     | 6206 |    |    |  |      |    |   |
| ENCL         | TEFC         |  | SN   |                |     |      |    |    |  |      |    |   |

 VPWM INVERTER READY  
 CT6-60H(10:1)VT3-60H(20:1

50Hz 7.5HP 190/380V 21/10.5A

SF1.0

| Parts List  |                                          |          |
|-------------|------------------------------------------|----------|
| Part Number | Description                              | Quantity |
| SA246401    | SA 07H002Y328G1                          | 1.000 EA |
| RA233289    | RA 07H002Y328G1                          | 1.000 EA |
| 36FN3000C02 | EXFN, PLASTIC, 5.25 OD, 1.175 ID         | 1.000 EA |
| HW3201A05   | 3/8-16 EYEBOLT                           | 1.000 EA |
| 09CB3002    | CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30 | 1.000 EA |
| 09GS1000    | GASKET-CONDUIT BOX, 1/16 THICK LEXIDE    | 1.000 EA |
| 51XW2520A12 | .25-20 X .75, TAPTITE II, HEX WSHR SLTD  | 2.000 EA |
| WD1000B17   | T&B CX35TN TERMINAL                      | 1.000 EA |
| 11XW1032G06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 37FE1100A41 | FR ENDPLATE ASSEMBLY FOR ROUTING         | 1.000 EA |
| HW4500A17   | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HW4500A01   | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HW5100A06   | W2420-025 WVY WSHR (WB)                  | 1.000 EA |
| 37PE1101A22 | PU ENDPLATE ASSEMBLY FOR ROUTING         | 1.000 EA |
| HW4500A17   | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HW4500A01   | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| XY3118A12   | 5/16-18 HEX NUT DIRECTIONAL SERRATION    | 4.000 EA |
| 07FH4007    | PRIMED                                   | 1.000 EA |
| 51XW1032A06 | 10-32 X .38, TAPTITE II, HEX WSHR SLTD S | 3.000 EA |
| 09CB3501    | CONDUIT BOX LID FOR 09CB3001 & 09CB3002  | 1.000 EA |
| 09GS1013    | 09 GS FOR 09CB3501 LID - LEXIDE          | 1.000 EA |
| 51XW2520A12 | .25-20 X .75, TAPTITE II, HEX WSHR SLTD  | 2.000 EA |
| HW2501F21   | KEY, 5/16 SQ X 2.375                     | 1.000 EA |
| HA7000A02   | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA  | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| LB1115N                | LABEL,LIFTING DEVICE (ON ROLLS)          | 1.000 EA |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| MJ1000A02              | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| MG1000Y03              | MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,      | 0.036 GA |
| HA3104A32              | THRUBOLT- 5/16-18 X12.750                | 4.000 EA |
| 51XB1214A20            | 12-14X1.25 HXWSSLD SERTYB                | 1.000 EA |
| LC0005E01              | CONN.DIA./WARNING LABEL (LC0005/LB1119N) | 1.000 EA |
| NP3441LUA              | ALUM SUPER-E VPWM INV READY UL           | 1.000 EA |
| 07PA1011               | PKG GRP, 07 CAST IRON PK1181             | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1200/bx) 11/14 | 1.000 EA |

| Accessories |             |            |
|-------------|-------------|------------|
| Part Number | Description | Multiplier |
| 37-1304     | C FACE KIT  | A8         |

**AC Induction Motor Performance Data**

Record # 53092 - Typical performance - not guaranteed values

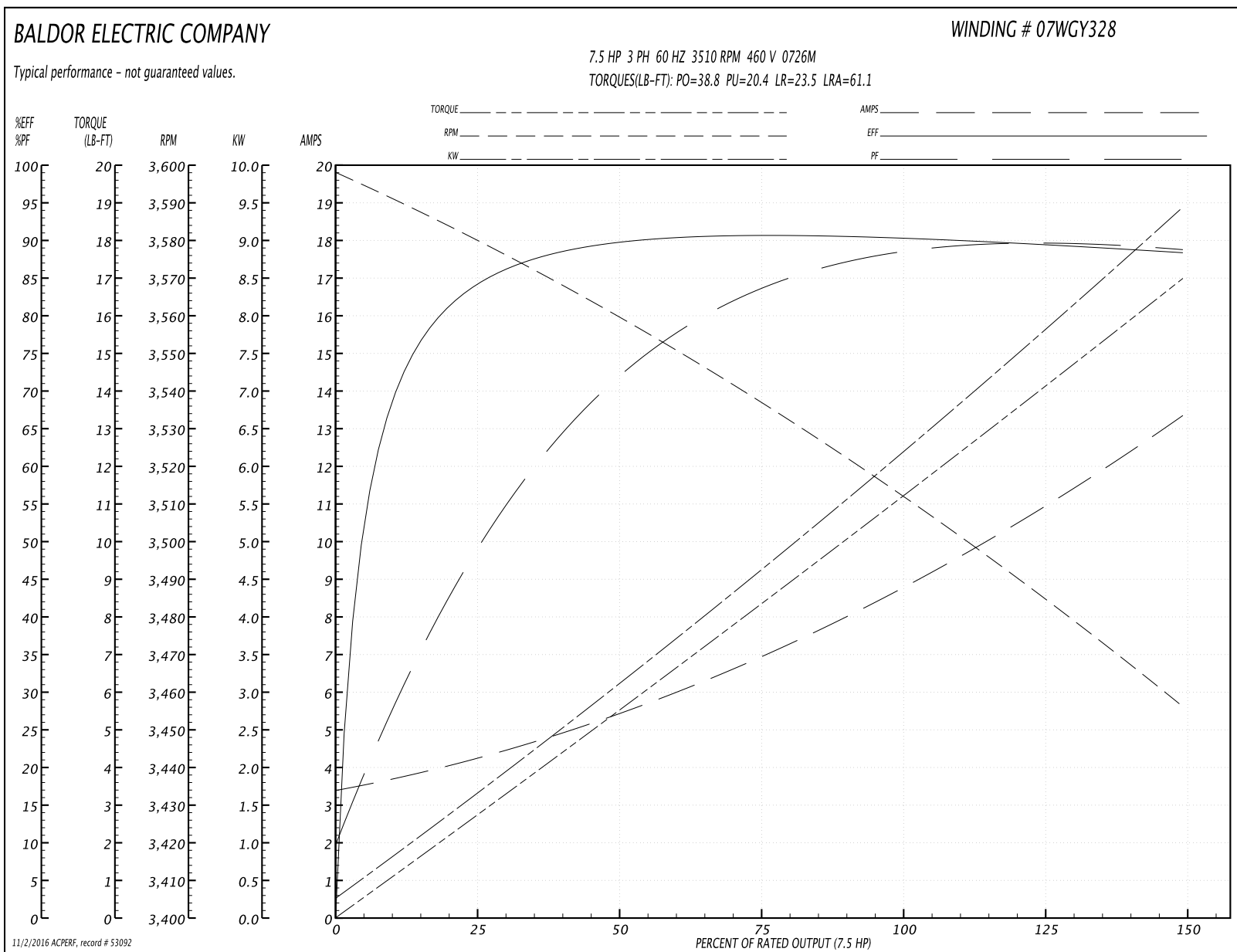
|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 07WGY328-R021 | <b>Type:</b> 0726M | <b>Enclosure:</b> TEFC |
|-------------------------------|--------------------|------------------------|

| Nameplate Data        |              |              |    | 460 V, 60 Hz:<br>High Voltage Connection |                |
|-----------------------|--------------|--------------|----|------------------------------------------|----------------|
| Rated Output (HP)     | 7.5          |              |    | Full Load Torque                         | 11.2 LB-FT     |
| Volts                 | 230/460      |              |    | Start Configuration                      | direct on line |
| Full Load Amps        | 18/9         |              |    | Breakdown Torque                         | 38.8 LB-FT     |
| R.P.M.                | 3510         |              |    | Pull-up Torque                           | 20.4 LB-FT     |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                      | 23.5 LB-FT     |
| NEMA Design Code      | B            | KVA Code     | H  | Starting Current                         | 61.1 A         |
| Service Factor (S.F.) | 1.15         |              |    | No-load Current                          | 3.54 A         |
| NEMA Nom. Eff.        | 89.5         | Power Factor | 86 | Line-line Res. @ 25°C                    | 1.2506 Ω       |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load                  | 44°C           |
| S.F. Amps             |              |              |    | Temp. Rise @ S.F. Load                   | 53°C           |

**Load Characteristics 460 V, 60 Hz, 7.5 HP**

|                 |        |        |        |        |        |        |      |
|-----------------|--------|--------|--------|--------|--------|--------|------|
| % of Rated Load | 25     | 50     | 75     | 100    | 125    | 150    | S.F. |
| Power Factor    | 52     | 74     | 82     | 87     | 90     | 89     | 89   |
| Efficiency      | 83.8   | 89.4   | 90.5   | 90.4   | 89.7   | 88.5   | 90   |
| Speed           | 3580.9 | 3559.3 | 3536.6 | 3512.4 | 3485.6 | 3455.8 | 3496 |
| Line amperes    | 4.04   | 5.31   | 7.04   | 8.9    | 10.9   | 13.3   | 10.1 |

## Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values



11/2/2016 ACPERF, record # 53092

