

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **EFM3313T-8**

**10HP,1770RPM,3PH,60HZ,213T,3739M,OPSB,F2**

| Part Detail |      |                |       |             |          |               |            |
|-------------|------|----------------|-------|-------------|----------|---------------|------------|
| Revision:   | H    | Status:        | PRD/A | Change #:   |          | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | 3739M | Elec. Spec: | 37WGT937 | CD Diagram:   | CD0006     |
| Enclosure:  | OPSB | Mfg Plant:     |       | Mech. Spec: | 37B106   | Layout:       | 37LYB106   |
| Frame:      | 215T | Mounting:      | F2    | Poles:      | 04       | Created Date: | 03-15-2006 |
| Base:       | RG   | Rotation:      | R     | Insulation: | F        | Eff. Date:    | 06-30-2015 |
| Leads:      | 3#10 |                |       |             |          | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |       |             |          |               |            |

|                   |              |                |      |     |   |    |   |
|-------------------|--------------|----------------|------|-----|---|----|---|
| Nameplate NP1259L |              |                |      |     |   |    |   |
| CAT.NO.           | EFM3313T-8   |                |      |     |   |    |   |
| SPEC.             | 37B106T937E7 |                |      |     |   |    |   |
| HP                | 10           |                |      |     |   |    |   |
| VOLTS             | 200          |                |      |     |   |    |   |
| AMP               | 29.5         |                |      |     |   |    |   |
| RPM               | 1770         |                |      |     |   |    |   |
| FRAME             | 215T         | HZ             | 60   | PH  | 3 |    |   |
| SER.F.            | 1.15         | CODE           | H    | DES | B | CL | F |
| NEMA-NOM-EFF      | 91.7         | PF             | 82   |     |   |    |   |
| RATING            | 40C AMB-CONT |                |      |     |   |    |   |
| CC                | 010A         | USABLE AT 208V | 30.3 |     |   |    |   |
| DE                | 6307         | ODE            | 6206 |     |   |    |   |
| ENCL              | OPSB         | SN             |      |     |   |    |   |
|                   |              |                |      |     |   |    |   |

| Parts List     |                                          |          |
|----------------|------------------------------------------|----------|
| Part Number    | Description                              | Quantity |
| SA140147       | SA 37B106T937E7                          | 1.000 EA |
| RA129573       | RA 37B106T937E7                          | 1.000 EA |
| S/P107-000-001 | SUPER E PROC'S-FS, WS & CK PLTS          | 1.000 EA |
| HA6361A01      | LIFTING LUG FOR 37, 39 & 40 FRAME ZINC   | 2.000 EA |
| 37CB3006       | 37 CB CASTING W/1.38 LEAD HOLE @ 6:00    | 1.000 EA |
| 51XW2520A10    | .25-20 X .62, TAPTITE II, HEX WSHR SLTD  | 2.000 EA |
| 11XW1032G06    | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 37FE3200A01    | FR ENDPLATE, FOR ROUTING PURPOSES        | 1.000 EA |
| HW4500A01      | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HW5100A06      | W2420-025 WVY WSHR (WB)                  | 1.000 EA |
| 37PE3201A01    | PU ENDPLATE ASSEMBLY FOR ROUTING         | 1.000 EA |
| HW4500A01      | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| XY3118A12      | 5/16-18 HEX NUT DIRECTIONAL SERRATION    | 4.000 EA |
| 37CB4516       | LIPPED LID FOR 37 FRAME NEC KOBX         | 1.000 EA |
| 51XW0832A07    | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 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 |
| 85XU0407S04    | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| LB1115N        | LABEL,LIFTING DEVICE (ON ROLLS)          | 1.000 EA |
| MJ1000A75      | GREASE, POLYREX EM EXXON (USe 4824-15A)  | 0.050 LB |
| HA3104A35      | THRUBOLT .31-18 X 13.687                 | 4.000 EA |
| 37AD2001A01    | BAFFLE PLATE, STAMPED                    | 2.000 EA |
| MG1000Y03      | MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,      | 0.028 GA |
| LB1119N        | WARNING LABEL                            | 1.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| LC0006                 | CONNECTION LABEL                         | 1.000 EA |
| NP1259L                | ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM  | 1.000 EA |
| 36PA1001               | PKG GRP, PRINT    PK1017A06              | 1.000 EA |
| MN416A01               | TAG-INSTAL-MAINT no wire (1200/bx) 11/14 | 1.000 EA |

| Accessories |             |            |
|-------------|-------------|------------|
| Part Number | Description | Multiplier |
| 37-1404     | C FACE KIT  | A8         |

**AC Induction Motor Performance Data**

Record # 17618 - Typical performance - not guaranteed values

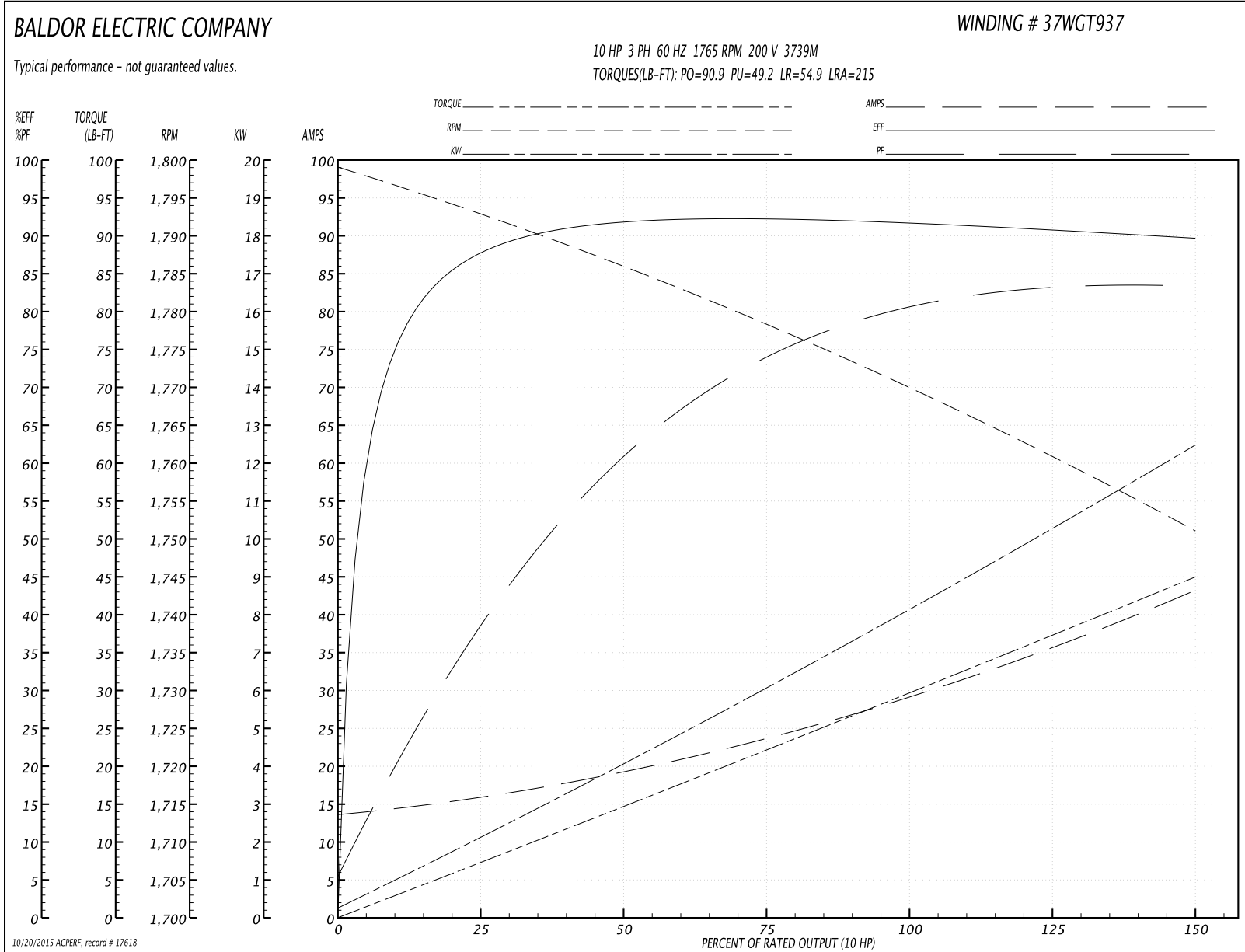
|                               |                    |                        |
|-------------------------------|--------------------|------------------------|
| <b>Winding:</b> 37WGT937-R001 | <b>Type:</b> 3739M | <b>Enclosure:</b> OPSB |
|-------------------------------|--------------------|------------------------|

| Nameplate Data        |              |              |    | 200 V, 60 Hz:<br>Single Voltage Motor |                          |
|-----------------------|--------------|--------------|----|---------------------------------------|--------------------------|
| Rated Output (HP)     | 10           |              |    | Full Load Torque                      | 29.7 LB-FT               |
| Volts                 | 200          |              |    | Start Configuration                   | direct on line           |
| Full Load Amps        | 29.5         |              |    | Breakdown Torque                      | 90.9 LB-FT               |
| R.P.M.                | 1765         |              |    | Pull-up Torque                        | 49.2 LB-FT               |
| Hz                    | 60           | Phase        | 3  | Locked-rotor Torque                   | 54.9 LB-FT               |
| NEMA Design Code      | B            | KVA Code     | J  | Starting Current                      | 215 A                    |
| Service Factor (S.F.) | 1.15         |              |    | No-load Current                       | 14 A                     |
| NEMA Nom. Eff.        | 91.7         | Power Factor | 82 | Line-line Res. @ 25°C                 | 0.194 Ω                  |
| Rating - Duty         | 40C AMB-CONT |              |    | Temp. Rise @ Rated Load               | 34°C                     |
| S.F. Amps             |              |              |    | Temp. Rise @ S.F. Load                | 41°C                     |
|                       |              |              |    | Rotor inertia                         | 0.959 LB-FT <sup>2</sup> |

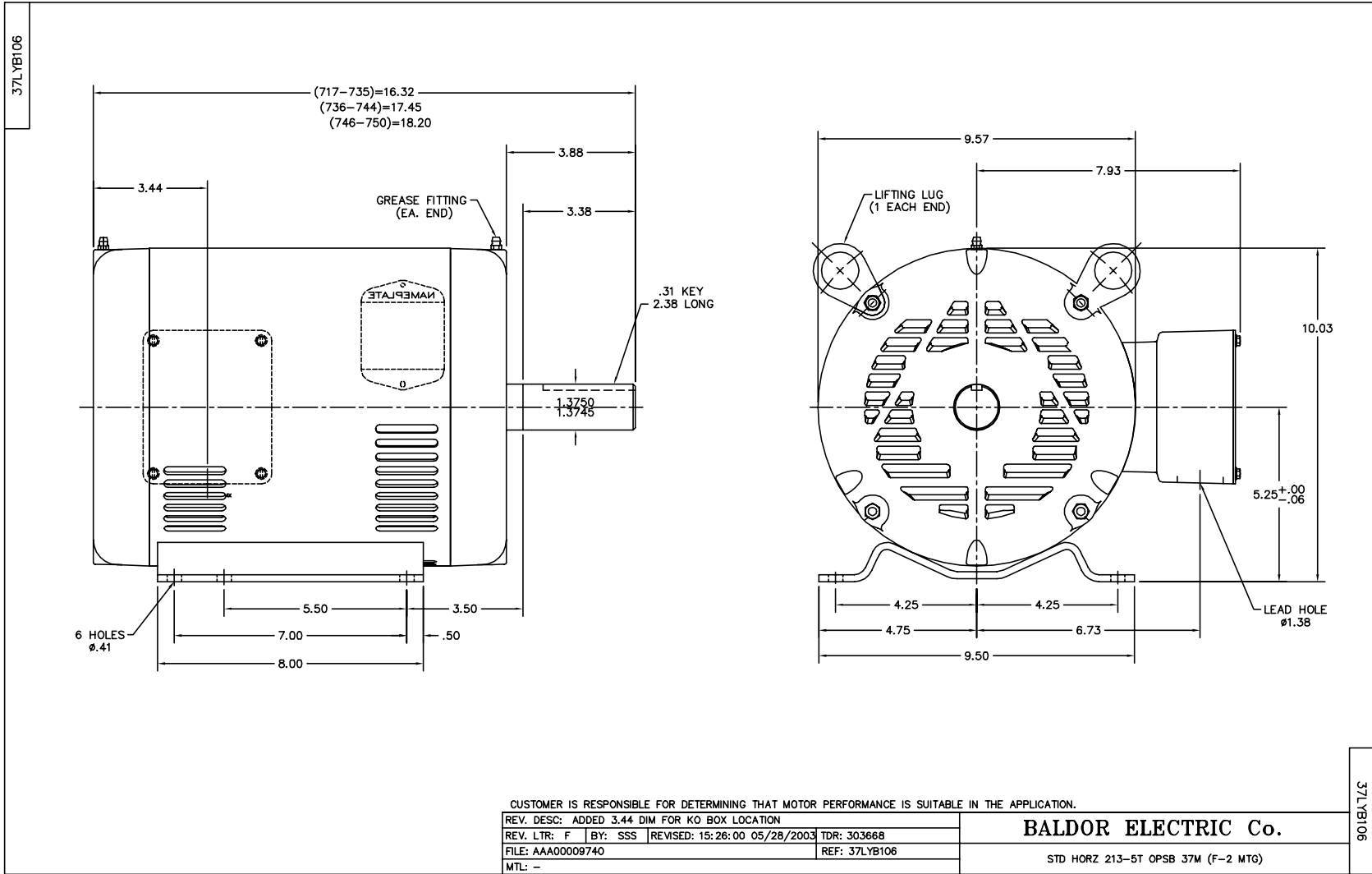
**Load Characteristics 200 V, 60 Hz, 10 HP**

|                 |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|
| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
| Power Factor    | 40   | 62   | 74   | 80   | 83   | 84   | 82   |
| Efficiency      | 87   | 91.7 | 92.2 | 91.8 | 90.8 | 89.6 | 91.2 |
| Speed           | 1793 | 1786 | 1778 | 1770 | 1761 | 1751 | 1765 |
| Line amperes    | 15.4 | 19.1 | 23.8 | 29.5 | 35.8 | 43   | 33.3 |

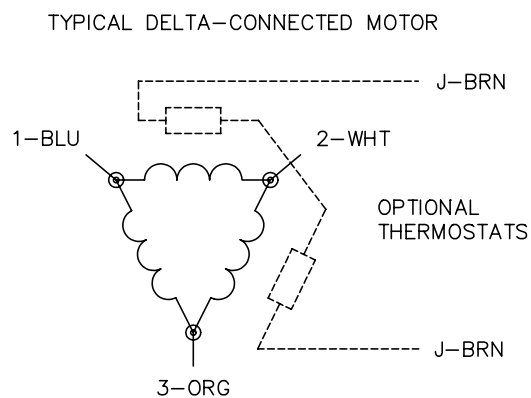
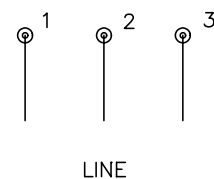
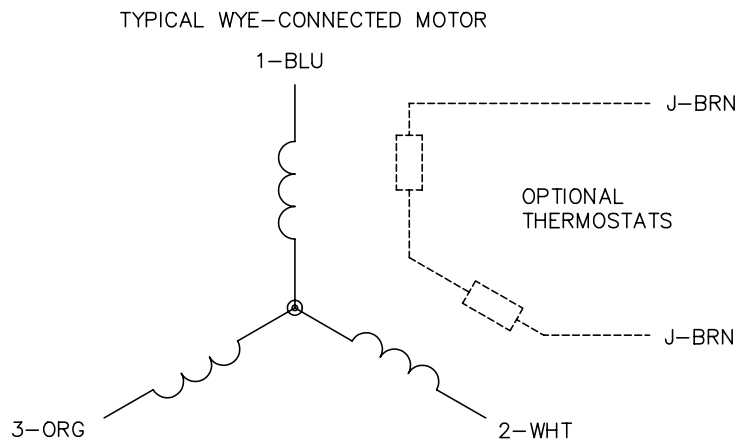
## Performance Graph at 200V, 60Hz, 10.0HP Typical performance - Not guaranteed values







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