

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **VEBM3611T-5D**

**3HP,1760RPM,3PH,60HZ,182TC,3628M,TEFC,F1**

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| Part Detail       |       |              |       |                |          |               |            |   |      |
|-------------------|-------|--------------|-------|----------------|----------|---------------|------------|---|------|
| Revision:         | B     | Status:      | PRD/A | Change #:      |          | Proprietary:  | No         |   |      |
| Type:             | AC    | Prod. Type:  | 3628M | Elec. Spec:    | 36WGY438 | CD Diagram:   |            |   |      |
| Enclosure:        | TEFC  | Mfg Plant:   |       | Mech. Spec:    | 36M111   | Layout:       |            |   |      |
| Frame:            | 182TC | Mounting:    | F1    | Poles:         | 04       | Created Date: | 06-01-2010 |   |      |
| Base:             | N     | Rotation:    | R     | Insulation:    | F        | Eff. Date:    | 09-24-2012 |   |      |
| Leads:            | 3#16  | Literature:  |       | Elec. Diagram: |          | Replaced By:  |            |   |      |
| Nameplate NP2105L |       |              |       |                |          |               |            |   |      |
| CAT.NO.           |       | VEBM3611T-5D |       |                |          |               |            |   |      |
| SPEC.             |       | 36M111Y438G1 |       |                |          |               |            |   |      |
| HP                |       | 3            |       |                |          |               |            |   |      |
| VOLTS             |       | 575          |       |                |          |               |            |   |      |
| AMP               |       | 3.1          |       |                |          |               |            |   |      |
| RPM               |       | 1760         |       |                |          |               |            |   |      |
| FRAME             |       | 182TC        |       | HZ             |          | 60            | PH         | 3 |      |
| SER.F.            |       | 1.15         |       | CODE           |          | K             | DES        | B | CL F |
| NEMA-NOM-EFF      |       | 89.5         |       | PF             |          | 77            |            |   |      |
| RATING            |       | 40C AMB-CONT |       |                |          |               |            |   |      |
| CC                |       | 010A         |       | USABLE AT 208V |          |               |            |   |      |
| DE                |       | 6206         |       | ODE            |          | 6205          |            |   |      |
| ENCL              |       | TEFC         |       | SN             |          |               |            |   |      |
|                   |       | IP44         |       |                |          |               |            |   |      |

| Parts List     |                                          |          |
|----------------|------------------------------------------|----------|
| Part Number    | Description                              | Quantity |
| SA197449       | SA 36M111Y438G1                          | 1.000 EA |
| RA184840       | RA 36M111Y438G1                          | 1.000 EA |
| S/P107-000-001 | SUPER E PROC'S-FS & WS PLTS-POLYREX EM G | 1.000 EA |
| 36CB3004A67    | 36 CB 1.09 @ 6, .88 @ 12                 | 1.000 EA |
| 36GS1000SP     | GASKET-CONDUIT BOX, .06 THICK #SV-330 LE | 1.000 EA |
| 51XB1016A08    | 10-16X 1/2HXWSSLD SERTYB                 | 2.000 EA |
| WD4500A77      | CORD CONN, .50 NPT,                      | 1.000 EA |
| 11XW1032G06    | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 36EP1905A03    | SPL FR EP FOR SPL CI FANCOVER            | 1.000 EA |
| HW4500A01      | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HW5100A05      | WVY WSHR F/205 & 304 BRGS                | 1.000 EA |
| 36EP3301A23    | PU ENDPLATE, ENCL. 182-4TC 206 BRG. W/GR | 1.000 EA |
| HW4500A01      | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| 10XN2520A28    | 1/4-20X 1 3/4 HEX HD                     | 4.000 EA |
| HW1001A25      | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 4.000 EA |
| 10XN3816K64    | 3/8-16X4 HX HD CAP SCREW, GRADE 5        | 4.000 EA |
| HW1001A38      | LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I | 4.000 EA |
| BR2001D01      | DBSC SPLINED HUB 7/8 BOR                 | 1.000 EA |
| WD4500A77      | CORD CONN, .50 NPT,                      | 1.000 EA |
| WD4108B06      | 3/4 X 1/2 REDUCING BUSHING, RB-2         | 1.000 EA |
| MR6002A02      | .50 FLEX CONDUIT LIQ-TITE (STEEL/VINYL)  | 0.625 FT |
| WD4006A01      | WIRE JOINT, RB-4 OR RB-44                | 1.000 EA |
| 51XB1214A16    | 12-14X1.00 HXWSSLD SERTYB                | 1.000 EA |
| 06FH1005A03    | FAN COVER, MACH FOR 36EP1905A03          | 1.000 EA |

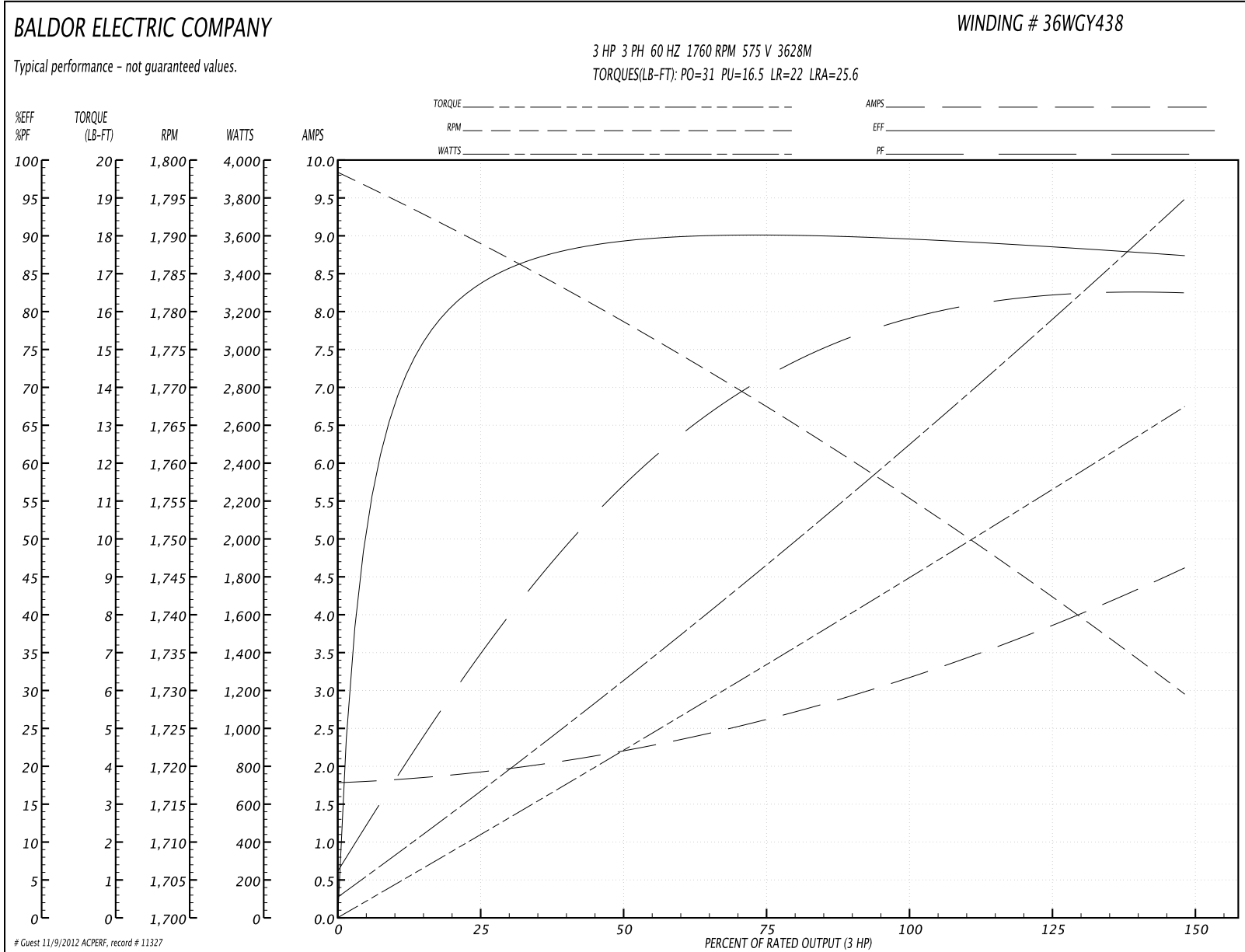
| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| 10XN2520A36            | 1/4-20X 2 1/4 HEX HD X                   | 4.000 EA |
| HW1001A25              | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 4.000 EA |
| WD4100A02              | DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL  | 1.000 EA |
| HA1100A06              | SCREEN, RODENT                           | 1.000 EA |
| 13XT0832A07            | 8-32X7/16 TYP 23 PAN HD SLT DX           | 4.000 EA |
| 36CB4516               | 36 LIPPED CB LID                         | 1.000 EA |
| 37GS1001SP             | GASKET, CONDUIT BOX LID, .06 THICK LEXID | 1.000 EA |
| 51XW0832A07            | 8-32 X .44, TAPTITE II, HEX WSHR SLTD SE | 4.000 EA |
| HW2501E16              | 3KEY, 1/4 SQ X 1.750                     | 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 |
| LB1419                 | CONN LABEL DODGE BRAKE (REL# 411614-15)  | 1.000 EA |
| MJ1000A75              | GREASE, POLYREX EM EXXON                 | 0.050 LB |
| 36FN3000C01SP          | EXFN, PLASTIC, 5.25 OD, .912 ID          | 1.000 EA |
| MG1000N49              | PAINT, 678.50 WILKO, REL GRN (55 GA)     | 0.022 GA |
| HA3101A25              | THRUBOLT 1/4-20 X 11.000 OHIO ROD        | 4.000 EA |
| 46BK0400C01            | DBSC-V-15-MA-287/575 VAC                 | 1.000 EA |
| LB1119                 | WARNING LABEL                            | 1.000 EA |
| LB1125C02              | SUPER-E (STOCK CTN LABEL SUPER-E WITH FL | 1.000 EA |
| LC0006                 | CONNECTION LABEL                         | 1.000 EA |
| LB5040                 | INSTRUCTION TAG, AC & DC                 | 1.000 EA |
| LB1357                 | ENERGY GUIDE LABEL (BOX LABEL)           | 1.000 SH |
| NP2105L                | ALUM SUPER-E UL CSA-EEV CE CC            | 1.000 EA |
| G0PA1000               | PACKAGING GROUP                          | 1.000 EA |

| Parts List (continued) |                  |          |
|------------------------|------------------|----------|
| Part Number            | Description      | Quantity |
| PK3082                 | STYROFOAM CRADLE | 1.000 EA |

**Performance Data at 575V, 60Hz, 3.0HP (Typical performance - Not guaranteed values)**

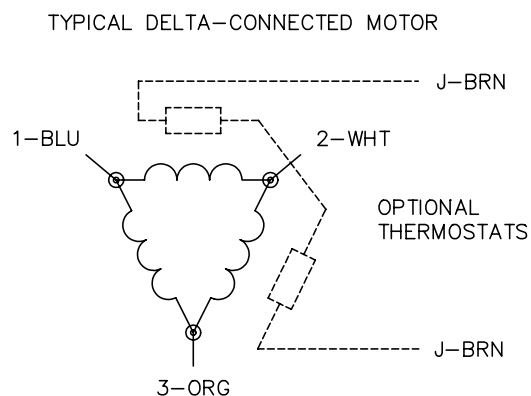
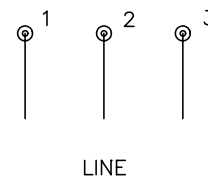
| General Characteristics  |        |                                |        |                      |        |            |        |
|--------------------------|--------|--------------------------------|--------|----------------------|--------|------------|--------|
| Full Load Torque:        |        | 9.0 LB-FT                      |        | Start Configuration: |        | DOL        |        |
| No-Load Current:         |        | 1.8 Amps                       |        | Break-Down Torque:   |        | 31.0 LB-FT |        |
| Line-line Res. @ 25°C.:  |        | 6.11 Ohms A Ph / 0.0 Ohms B Ph |        | Pull-Up Torque:      |        | 16.5 LB-FT |        |
| Temp. Rise @ Rated Load: |        | 41 C                           |        | Locked-Rotor Torque: |        | 22.0 LB-FT |        |
| Temp. Rise @ S.F. Load:  |        | 50 C                           |        | Starting Current:    |        | 25.6 Amps  |        |
| Load Characteristics     |        |                                |        |                      |        |            |        |
| % of Rated Load          | 25     | 50                             | 75     | 100                  | 125    | 150        | S.F.   |
| Power Factor:            | 37.0   | 58.0                           | 71.0   | 77.0                 | 81.0   | 83.0       | 79.0   |
| Efficiency:              | 84.0   | 89.1                           | 90.0   | 89.7                 | 88.7   | 87.3       | 89.1   |
| Speed:                   | 1788.0 | 1778.0                         | 1767.0 | 1756.0               | 1743.0 | 1729.0     | 1748.0 |
| Line Amperes:            | 1.9    | 2.2                            | 2.7    | 3.1                  | 3.9    | 4.6        | 3.6    |

## Performance Graph at 575V, 60Hz, 3.0HP Typical performance - Not guaranteed values





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## 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

9000D3

FILE: AAA00005141

MDL: -

MTL: -

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3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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