

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **CEWDM3615T**

**5HP, 1750RPM, 3PH, 60HZ, 184TC, 3642M, TEFC, F1**

| Part Detail       |               |                |       |                |          |               |            |       |   |
|-------------------|---------------|----------------|-------|----------------|----------|---------------|------------|-------|---|
| Revision:         | -             | Status:        | PRD/A | Change #:      |          | Proprietary:  | No         |       |   |
| Type:             | AC            | Prod. Type:    | 3642M | Elec. Spec:    | 36WGS268 | CD Diagram:   |            |       |   |
| Enclosure:        | TEFC          | Mfg Plant:     |       | Mech. Spec:    | 36K190   | Layout:       |            |       |   |
| Frame:            | 184TC         | Mounting:      | F1    | Poles:         | 04       | Created Date: | 08-02-2010 |       |   |
| Base:             | RG            | Rotation:      | R     | Insulation:    | F        | Eff. Date:    | 08-05-2010 |       |   |
| Leads:            | 9#16          | Literature:    |       | Elec. Diagram: |          | Replaced By:  |            |       |   |
| Nameplate NP1669L |               |                |       |                |          |               |            |       |   |
| CAT.NO.           | CEWDM3615T    |                |       |                |          |               |            |       |   |
| SPEC.             | 36K190S268G1  |                |       |                |          |               |            |       |   |
| HP                | 5             |                |       |                |          |               |            |       |   |
| VOLTS             | 208-230/460   |                |       |                |          |               |            |       |   |
| AMP               | 13.9-13.4/6.7 |                |       |                |          |               |            |       |   |
| RPM               | 1750          |                |       |                |          |               |            |       |   |
| FRAME             | 184TC         | HZ             |       |                | 60       | PH            | 3          |       |   |
| SER.F.            | 1.15          | CODE           |       |                | J        | DES           | B          | CLASS | F |
| NEMA-NOM-EFF      | 89.5          | PF             |       |                | 78       |               |            |       |   |
| RATING            | 40C AMB-CONT  |                |       |                |          |               |            |       |   |
| CC                | 010A          | USABLE AT 208V |       |                | 13.9     |               |            |       |   |
| DE                | 6206          | ODE            |       |                | 6205     |               |            |       |   |
| ENCL              | TEFC          | SN             |       |                |          |               |            |       |   |
| BLANK             |               |                |       |                |          |               |            |       |   |

| Parts List     |  |          |
|----------------|--|----------|
| Part Number    | Description                              | Quantity |
| SA200714       | SA 36K190S268G1                          | 1.000 EA |
| RA188027       | RA 36K190S268G1                          | 1.000 EA |
| 36FN3000C01SP  | EXFN, PLASTIC, 5.25 OD, .912 ID          | 1.000 EA |
| S/P107-000-001 | SUPER E PROC'S-FS & WS PLTS-POLYREX EM G | 1.000 EA |
| 36CB3005A03W   | 36 CB .75 NPT @ 6 W/WHITE EPOXY          | 1.000 EA |
| 35GS1022A03SP  | GASKET BOX .125 THK WHITE NEOPRENE       | 1.000 EA |
| 51XB1016A08    | 10-16X 1/2HXWSSLD SERTYB                 | 2.000 EA |
| 11XW1032G06    | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| 36EP3104A03MW  | FREP MACH (RAISED FH PADS) WHITE EPOXY   | 1.000 EA |
| HW4032A01      | BLUE DRAIN PLUG FOR WASH DOWN MOTORS     | 3.000 EA |
| HW5100A05      | WVY WSHR F/205 & 304 BRGS                | 1.000 EA |
| 36EP3301A27MW  | PU ENDPLATE, MACH W/WHITE EPOXY          | 1.000 EA |
| HW4032A01      | BLUE DRAIN PLUG FOR WASH DOWN MOTORS     | 3.000 EA |
| HW4600B50SP    | SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB | 1.000 EA |
| 10XN2520S26    | 1/4-20X 1 5/8 HEX HD SS                  | 4.000 EA |
| 36FH4010A08    | IEC FH NO GREASER - W/AUTOPHERETIC PRIME | 1.000 EA |
| 11XW1032S06    | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 3.000 EA |
| 36CB4518       | 36 LIPPED CB LID AUTOPHORETIC            | 1.000 EA |
| 37GS3010SP     | 1/16"WHITE LID GASKET                    | 1.000 EA |
| 59XW0832S07    | TAPTITE II,HEX WSHR UNSLTD SER,410 S.S., | 4.000 EA |
| HA1005A03SP    | SLINGER, OD 1.750, ID .938, 205 BRG      | 1.000 EA |
| HW4600B36SP    | V-RING SLINGER 1.188 X 1.690 X 0.240     | 1.000 EA |
| HW2502E16      | #303 SS,SQ KEY 1/4 X 1.750               | 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 |
| MJ5001A01              | 46-665 RED SEALER                        | 0.001 QT |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| LB1164                 | LABEL,WARNING AND DRAIN                  | 1.000 EA |
| HW3200A01              | 3/8-16X3/4 I-BLT WELDED F/S              | 1.000 EA |
| MJ1000A75              | GREASE, POLYREX EM EXXON                 | 0.050 LB |
| 51XB1214A16            | 12-14X1.00 HXWSSLD SERTYB                | 1.000 EA |
| MG1025Z20              | ACTIVATOR WILKOFAS 060.32                | 0.010 GA |
| MG1025W11              | PAINT- 781-101 WILKOFAS WHITE EPOXY      | 0.022 GA |
| LB1115                 | LABEL,LIFTING DEVICE                     | 1.000 EA |
| HA3101S28              | THRUBOLT- 1/4-20 X 12.50 SS              | 4.000 EA |
| LB1125C02              | SUPER-E (STOCK CTN LABEL SUPER-E WITH FL | 1.000 EA |
| LC0005                 | CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING  | 1.000 EA |
| LB1357                 | ENERGY GUIDE LABEL (BOX LABEL)           | 1.000 SH |
| NP1669L                | WD, SUPER-E, UL CSA CC, LASER            | 1.000 EA |
| G0PA1000               | PACKAGING GROUP                          | 1.000 EA |

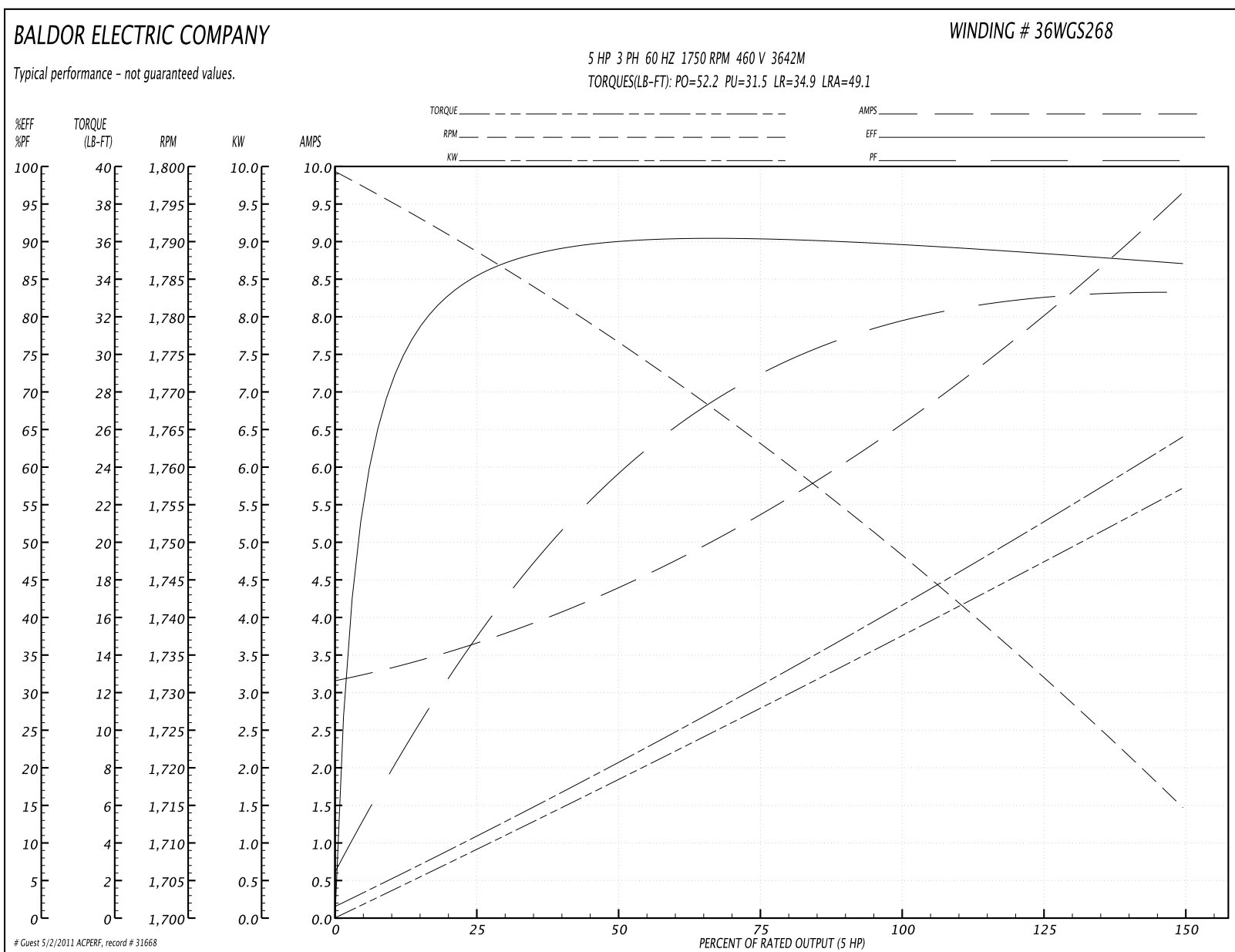
**Performance Data at 460V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)**
**General Characteristics**

|                                 |                                |                             |            |
|---------------------------------|--------------------------------|-----------------------------|------------|
| <b>Full Load Torque:</b>        | 14.9 LB-FT                     | <b>Start Configuration:</b> | DOL        |
| <b>No-Load Current:</b>         | 3.24 Amps                      | <b>Break-Down Torque:</b>   | 52.2 LB-FT |
| <b>Line-line Res. @ 25°C.:</b>  | 2.31 Ohms A Ph / 0.0 Ohms B Ph | <b>Pull-Up Torque:</b>      | 31.5 LB-FT |
| <b>Temp. Rise @ Rated Load:</b> | 77 C                           | <b>Locked-Rotor Torque:</b> | 34.9 LB-FT |
| <b>Temp. Rise @ S.F. Load:</b>  | 96 C                           | <b>Starting Current:</b>    | 49.1 Amps  |

**Load Characteristics**

| % of Rated Load      | 25     | 50     | 75     | 100    | 125    | 150    | S.F.   |
|----------------------|--------|--------|--------|--------|--------|--------|--------|
| <b>Power Factor:</b> | 39.0   | 60.0   | 72.0   | 78.0   | 83.0   | 83.0   | 81.0   |
| <b>Efficiency:</b>   | 84.9   | 89.7   | 90.3   | 89.8   | 88.8   | 87.0   | 89.2   |
| <b>Speed:</b>        | 1789.1 | 1776.2 | 1762.3 | 1749.7 | 1732.5 | 1714.3 | 1739.0 |
| <b>Line Amperes:</b> | 3.55   | 4.31   | 5.43   | 6.65   | 7.94   | 9.64   | 7.42   |

## Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values



**Performance Data at 230V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)**
**General Characteristics**

|                                 |                                 |                             |            |
|---------------------------------|---------------------------------|-----------------------------|------------|
| <b>Full Load Torque:</b>        | 14.9 LB-FT                      | <b>Start Configuration:</b> | DOL        |
| <b>No-Load Current:</b>         | 6.48 Amps                       | <b>Break-Down Torque:</b>   | 52.2 LB-FT |
| <b>Line-line Res. @ 25°C.:</b>  | 0.567 Ohms A Ph / 0.0 Ohms B Ph | <b>Pull-Up Torque:</b>      | 31.5 LB-FT |
| <b>Temp. Rise @ Rated Load:</b> | 77 C                            | <b>Locked-Rotor Torque:</b> | 34.9 LB-FT |
| <b>Temp. Rise @ S.F. Load:</b>  | 93 C                            | <b>Starting Current:</b>    | 98.2 Amps  |

**Load Characteristics**

| % of Rated Load      | 25     | 50     | 75     | 100    | 125    | 150    | S.F.   |
|----------------------|--------|--------|--------|--------|--------|--------|--------|
| <b>Power Factor:</b> | 39.0   | 60.0   | 71.0   | 78.0   | 83.0   | 83.0   | 81.0   |
| <b>Efficiency:</b>   | 84.9   | 89.7   | 90.6   | 89.6   | 88.6   | 87.0   | 89.0   |
| <b>Speed:</b>        | 1789.0 | 1776.0 | 1762.0 | 1750.0 | 1733.0 | 1714.0 | 1740.0 |
| <b>Line Amperes:</b> | 7.1    | 8.62   | 10.9   | 13.3   | 15.9   | 19.3   | 14.9   |

## Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values

