

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **ECP3764T-5**

**3HP,1165RPM,3PH,60HZ,213T,0737M,TEFC,F1**

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| Part Detail       |              |                |       |                |          |               |            |    |   |
|-------------------|--------------|----------------|-------|----------------|----------|---------------|------------|----|---|
| Revision:         | C            | Status:        | PRD/A | Change #:      |          | Proprietary:  | No         |    |   |
| Type:             | AC           | Prod. Type:    | 0737M | Elec. Spec:    | 07WGX904 | CD Diagram:   |            |    |   |
| Enclosure:        | TEFC         | Mfg Plant:     |       | Mech. Spec:    | 07K374   | Layout:       |            |    |   |
| Frame:            | 213T         | Mounting:      | F1    | Poles:         | 06       | Created Date: | 03-20-2009 |    |   |
| Base:             | RG           | Rotation:      | R     | Insulation:    | F        | Eff. Date:    | 09-28-2011 |    |   |
| Leads:            | 3#14         | Literature:    |       | Elec. Diagram: |          | Replaced By:  |            |    |   |
| Nameplate NP1260E |              |                |       |                |          |               |            |    |   |
| CAT.NO.           | ECP3764T-5   |                |       |                |          |               |            |    |   |
| SPEC.             | 07K374X904   |                |       |                |          |               |            |    |   |
| HP                | 3            |                |       |                |          |               |            |    |   |
| VOLTS             | 575          |                |       |                |          |               |            |    |   |
| AMP               | 3.6          |                |       |                |          |               |            |    |   |
| RPM               | 1165         |                |       |                |          |               |            |    |   |
| FRAME             | 213T         | HZ             |       |                | 60       | PH            | 3          |    |   |
| SER.F.            | 1.15         | CODE           |       |                | K        | DES           | B          | CL | F |
| NEMA-NOM-EFF      | 90.2         | PF             |       |                | 70       |               |            |    |   |
| RATING            | 40C AMB-CONT |                |       |                |          |               |            |    |   |
| CC                | 010A         | USABLE AT 208V |       |                |          |               |            |    |   |
| DE                | 6307         | ODE            |       |                | 6307     |               |            |    |   |
| ENCL              | TEFC         | SN             |       |                |          |               |            |    |   |
|                   |              |                |       |                |          |               |            |    |   |

| Parts List     |                                          |          |
|----------------|------------------------------------------|----------|
| Part Number    | Description                              | Quantity |
| SA180780       | SA 07K374X904                            | 1.000 EA |
| RA168732       | RA 07K374X904                            | 1.000 EA |
| 37FN3002C01    | EXFN, PLASTIC, 6.00 OD, 1.155 ID         | 1.000 EA |
| S/P107-000-001 | SUPER E PROC'S-FS & WS PLTS-POLYREX EM G | 1.000 EA |
| HW3201A05      | 3/8-16 EYEBOLT                           | 1.000 EA |
| 09CB1001A03G   | CONDUIT BOX, MACH GRAY                   | 1.000 EA |
| RM1017         | LEAD SEPERATOR GASKET MODEL 307 1/8" THK | 1.000 EA |
| 51XW2520A12    | .25-20 X .75, TAPTITE II, HEX WSHR SLTD  | 2.000 EA |
| 11XW1032G06    | 10-32 X .38, TAPTITE II, HEX WSHR SLTD U | 1.000 EA |
| HW3001B01      | 003SS CUP WASHER, FOR #8 SCREW           | 1.000 EA |
| 10XN2520S06    | 1/4 20X3/8 HX HD CAP S.S.                | 2.000 EA |
| WD1000B16      | KPA-4C BURNDY TERMINAL                   | 2.000 EA |
| 37EP1101C43G   | TEFC 307 BRG, GRSR,RELIEF,.25-20 FH TAPS | 1.000 EA |
| HW4500A01      | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HA4051A00      | PLASTIC CAP FOR GREASE FITTING           | 1.000 EA |
| HW4500A17      | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HA4001A01SP    | DRAIN PLUG, PLASTIC (MICRO PLAS)         | 1.000 EA |
| HW5100A08      | W3118-035 WVY WSHR (WB)                  | 1.000 EA |
| 37EP1101A32G   | PU ENDPLATE MACH                         | 1.000 EA |
| HW4500A01      | 1641B(ALEMITE)400 UNIV, GREASE FITT      | 1.000 EA |
| HA4051A00      | PLASTIC CAP FOR GREASE FITTING           | 1.000 EA |
| HW4500A17      | 317400 ALEMITE GREASE RELIEF             | 1.000 EA |
| HA4001A01SP    | DRAIN PLUG, PLASTIC (MICRO PLAS)         | 1.000 EA |
| XY3118A12      | 5/16-18 HEX NUT DIRECTIONAL SERRATION    | 4.000 EA |

| Parts List (continued) |                                          |          |
|------------------------|------------------------------------------|----------|
| Part Number            | Description                              | Quantity |
| 51XB1214A20            | 12-14X1.25 HXWSSLD SERTYB                | 1.000 EA |
| 07FH1001A01G           | SPL FAN HOUSING, 307, W/GREASER, GRAY EP | 1.000 EA |
| 10XN2520A16            | 1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED | 3.000 EA |
| WD4100A02              | DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL  | 1.000 EA |
| 09CB1504A01G           | LIPPED CONDUIT BOX LID, MACH GRAY EPOXY  | 1.000 EA |
| 09GS1001A01SP          | GASKET, BOX LID, 1/8 THICK BLACK NEOPREN | 1.000 EA |
| 10XF2520A12            | 1/4-20 X 3/4 HX HD TYPE F                | 2.000 EA |
| HW1001A25              | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 2.000 EA |
| HA1005A07SP            | SLINGER, OD 2.25, ID 1.344, 307 BRG      | 1.000 EA |
| HW4600B33              | V-RING SLINGER 1.375 X 1.890 X 0.350     | 1.000 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 |
| MJ5001A01              | 46-665 RED SEALER                        | 0.001 QT |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 2.000 EA |
| LB1115                 | LABEL,LIFTING DEVICE                     | 1.000 EA |
| LB1002                 | LABEL,MARINE DUTY (ON ROLLS)             | 1.000 EA |
| MJ1000A75              | GREASE, POLYREX EM EXXON                 | 0.050 LB |
| HA3104A32              | THRUBOLT- 5/16-18 X12.750                | 4.000 EA |
| MG1025Z20              | ACTIVATOR WILKOFAS 060.32                | 0.010 GA |
| MG1025G29              | PAINT 789.205 DARK GRAY METALLIC (USE W/ | 0.036 GA |
| 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 |
| LB1357                 | ENERGY GUIDE LABEL (BOX LABEL)           | 1.000 SH |

| Parts List (continued) |                              |          |
|------------------------|------------------------------|----------|
| Part Number            | Description                  | Quantity |
| NP1260E                | SS CP SUPER-E UL CSA CC      | 1.000 EA |
| 07PA1011               | PKG GRP, 07 CAST IRON PK1181 | 1.000 EA |

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

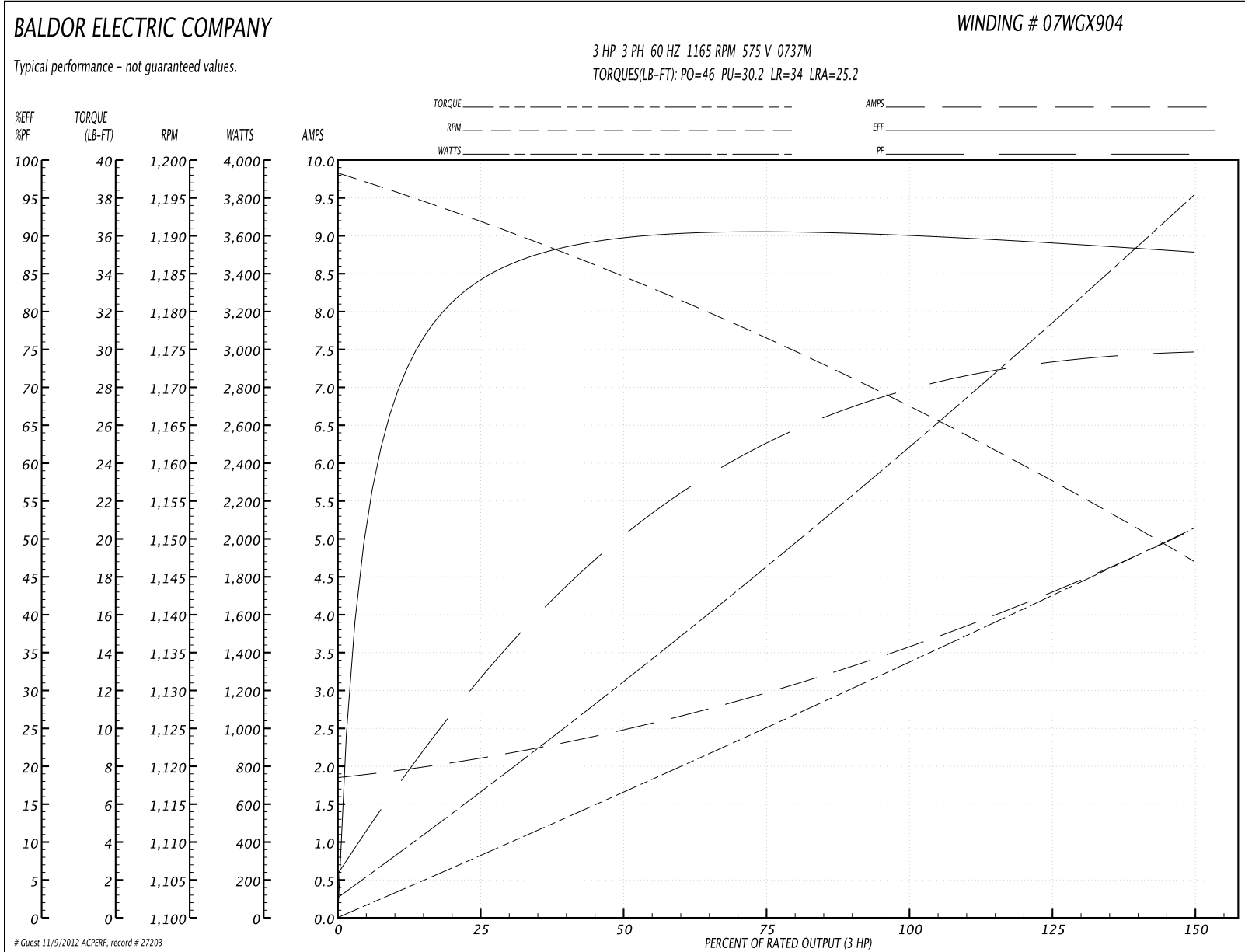
**Performance Data at 575V, 60Hz, 3.0HP (Typical performance - Not guaranteed values)****General Characteristics**

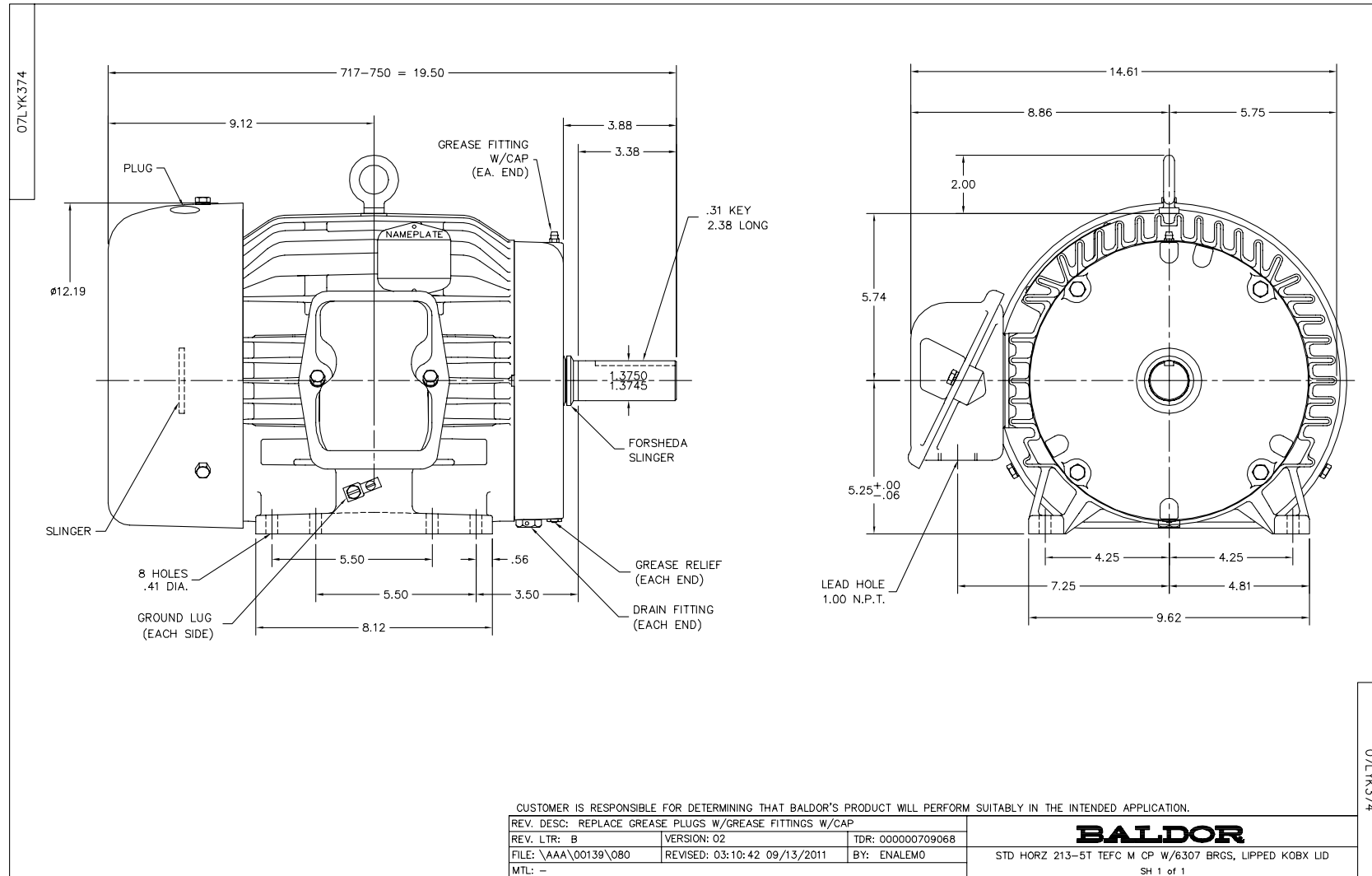
|                                 |                                |                             |            |
|---------------------------------|--------------------------------|-----------------------------|------------|
| <b>Full Load Torque:</b>        | 13.5 LB-FT                     | <b>Start Configuration:</b> | DOL        |
| <b>No-Load Current:</b>         | 1.87 Amps                      | <b>Break-Down Torque:</b>   | 46.0 LB-FT |
| <b>Line-line Res. @ 25°C.:</b>  | 4.13 Ohms A Ph / 0.0 Ohms B Ph | <b>Pull-Up Torque:</b>      | 30.2 LB-FT |
| <b>Temp. Rise @ Rated Load:</b> | 31 C                           | <b>Locked-Rotor Torque:</b> | 34.0 LB-FT |
| <b>Temp. Rise @ S.F. Load:</b>  | 37 C                           | <b>Starting Current:</b>    | 25.2 Amps  |

**Load Characteristics**

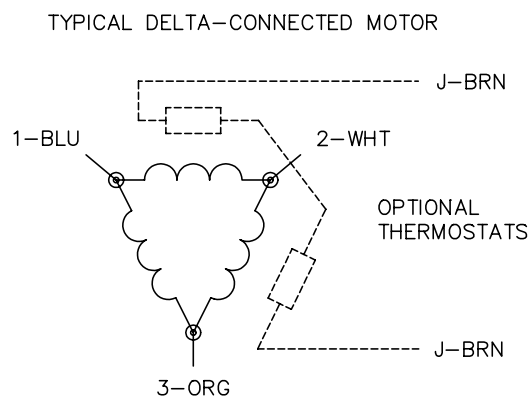
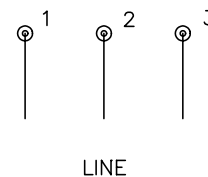
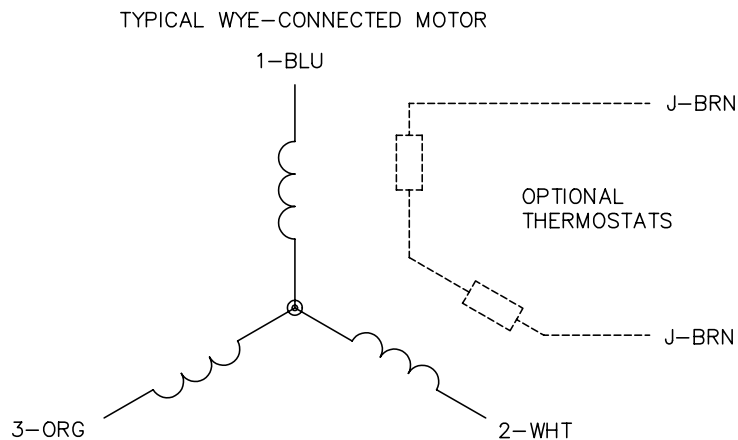
| <b>% of Rated Load</b> | <b>25</b> | <b>50</b> | <b>75</b> | <b>100</b> | <b>125</b> | <b>150</b> | <b>S.F.</b> |
|------------------------|-----------|-----------|-----------|------------|------------|------------|-------------|
| <b>Power Factor:</b>   | 33.0      | 52.0      | 63.0      | 69.0       | 73.0       | 75.0       | 71.0        |
| <b>Efficiency:</b>     | 83.4      | 88.8      | 90.8      | 90.3       | 89.4       | 87.6       | 89.8        |
| <b>Speed:</b>          | 1191.0    | 1184.0    | 1176.0    | 1168.0     | 1159.0     | 1146.0     | 1163.0      |
| <b>Line Amperes:</b>   | 2.09      | 2.48      | 2.98      | 3.6        | 4.31       | 5.12       | 4.03        |

## Performance Graph at 575V, 60Hz, 3.0HP 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

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