

# **BALDOR® • RELIANCE**

**Product Information Packet**

**ELECTRIC MOTOR WHOLESAL.COM**

**EM7142T**

**3//2HP,1755//1465RPM,3PH,60//50HZ,182T,0**

| Part Detail        |                  |              |       |                |          |               |            |
|--------------------|------------------|--------------|-------|----------------|----------|---------------|------------|
| Revision:          | -                | Status:      | PRD/A | Change #:      |          | Proprietary:  | No         |
| Type:              | AC               | Prod. Type:  | 0632M | Elec. Spec:    | 06WGX181 | CD Diagram:   |            |
| Enclosure:         | XPFC             | Mfg Plant:   |       | Mech. Spec:    | 06J001   | Layout:       |            |
| Frame:             | 182T             | Mounting:    | F1    | Poles:         | 04       | Created Date: | 08-11-2010 |
| Base:              | RG               | Rotation:    | R     | Insulation:    | B        | Eff. Date:    | 08-16-2010 |
| Leads:             | 9#16             | Literature:  |       | Elec. Diagram: |          | Replaced By:  |            |
| Nameplate NP1426XP |                  |              |       |                |          |               |            |
| NO.                |                  | CC           |       |                |          | 010A          |            |
| SER.               |                  |              |       |                |          |               |            |
| SPEC.              | 06J001X181G1     |              |       |                |          |               |            |
| CAT.NO.            | EM7142T          |              |       |                |          |               |            |
| HP                 | 3//2             | T. CODE      | T3C   |                |          |               |            |
| VOLTS              | 230/460//190/380 |              |       |                |          |               |            |
| AMPS               | 8.2/4.1//7/3.5   |              |       |                |          |               |            |
| RPM                | 1755//1465       |              |       |                |          |               |            |
| HZ                 | 60//50           | PH           | 3     | CL             | B        |               |            |
| SER.F.             | 1.00             | DES          | B     | CODE           | J        |               |            |
| RATING             | 40C AMB-CONT     |              |       |                |          |               |            |
| FRAME              | 182T             | NEMA-NOM-EFF | 89.5  | PF             | 77       |               |            |
| USABLE AT 208V     | 8.6              |              |       |                |          |               |            |

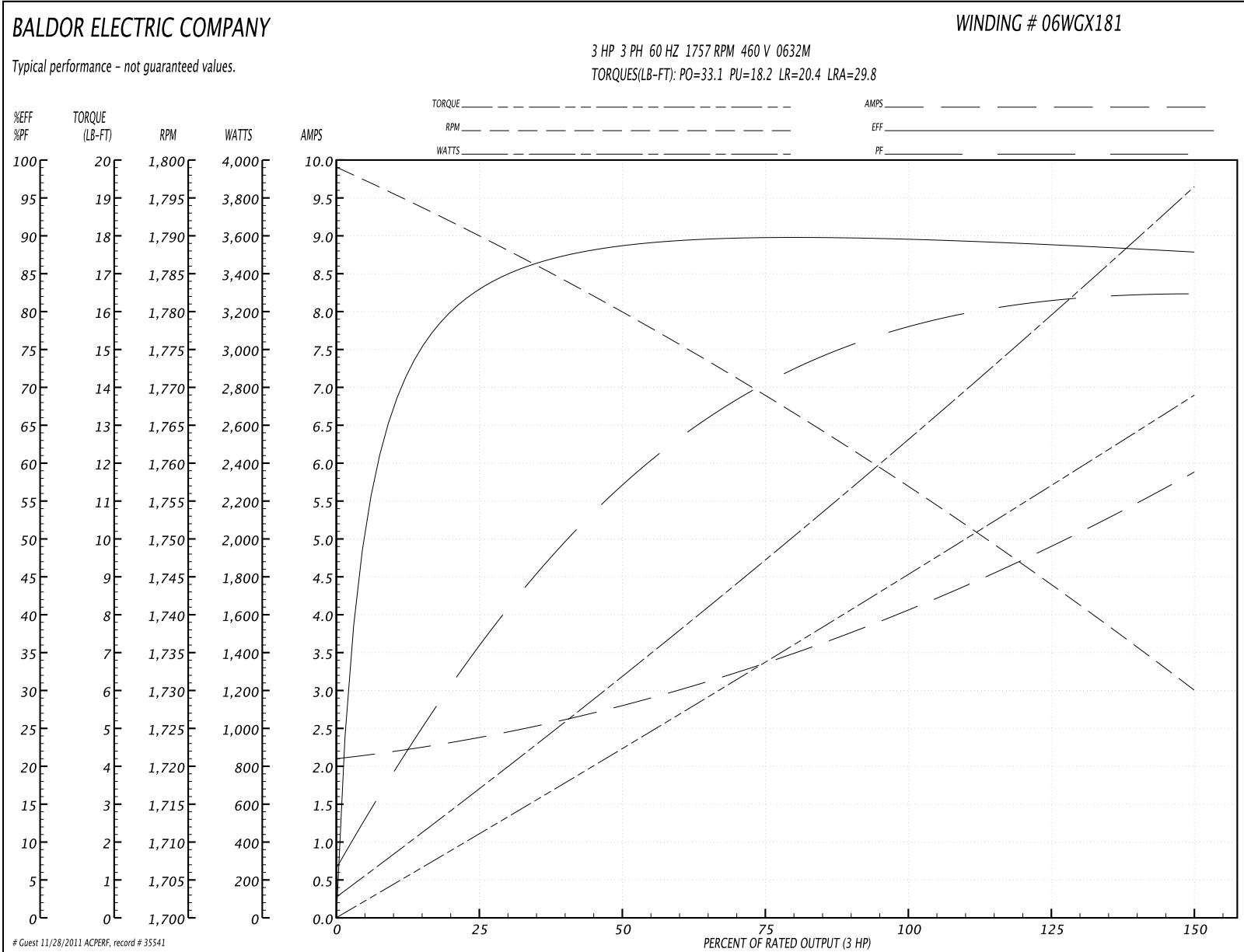
| Parts List    |  |          |
|---------------|--|----------|
| Part Number   | Description                              | Quantity |
| SA201249      | SA 06J001X181G1                          | 1.000 EA |
| RA188552      | RA 06J001X181G1                          | 1.000 EA |
| 36FN3000C01SP | EXFN, PLASTIC, 5.25 OD, .912 ID          | 1.000 EA |
| HW3201A05     | 3/8-16 EYEBOLT                           | 1.000 EA |
| 07CB1000A02   | CONDUIT BOX, MODEL 306,EXP. PROOF        | 1.000 EA |
| 10XN2520A12   | O1/4-20X 3/4 HEX HEAD CAP                | 4.000 EA |
| HW1001A25     | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 4.000 EA |
| WD1000B17     | KPA-8C BURNDY TERMINAL                   | 1.000 EA |
| 51XN1032A06   | 10-32 X .38 HEX SLOTTED SERRATED WASHER  | 1.000 EA |
| 06EP1706A01   | SPECIAL FRONT ENDPLATE X06M - TEFC       | 1.000 EA |
| HW4500A19     | 1/4-28X1/4 SLOTTED PLUG F/S              | 2.000 EA |
| 10XN3118K20   | 5/16-18 X 1 1/4 GRADE 5 STEEL ZC PLATED  | 4.000 EA |
| HW1001A31     | LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I | 4.000 EA |
| HW5100A05     | WVY WSHR F/205 & 304 BRGS                | 1.000 EA |
| 36EP1701A07   | PULLEY ENDPLATE 06X 206 BRG              | 1.000 EA |
| HW4500A19     | 1/4-28X1/4 SLOTTED PLUG F/S              | 2.000 EA |
| 10XN3118K20   | 5/16-18 X 1 1/4 GRADE 5 STEEL ZC PLATED  | 4.000 EA |
| HW1001A31     | LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I | 4.000 EA |
| 51XB1214A16   | 12-14X1.00 HXWSSLD SERTYB                | 1.000 EA |
| 06FH1003A01   | FAN COVER, CAST X-PROOF--MACHINING       | 1.000 EA |
| 51XN1032A14   | 10-32 X 0.875 HX WS SL SR                | 4.000 EA |
| 07CB1500A01   | CONDUIT BOX LID MACH                     | 1.000 EA |
| 10XN2520A16   | 1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED | 4.000 EA |
| HW1001A25     | LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I | 4.000 EA |

| Parts List (continued) |  |          |
|------------------------|--|----------|
| Part Number            | Description                              | Quantity |
| HW2501E16              | KEY, 1/4 SQ X 1.750                      | 1.000 EA |
| HA7000A02              | KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA  | 1.000 EA |
| LB1081                 | LABEL CSA XPROOF                         | 1.000 EA |
| LB1115                 | LABEL,LIFTING DEVICE                     | 1.000 EA |
| 85XU0407S04            | 4X1/4 U DRIVE PIN STAINLESS              | 6.000 EA |
| MJ1000A75              | GREASE, POLYREX EM EXXON                 | 0.050 LB |
| MG1025G29              | PAINT 789.205 DARK GRAY METALLIC (USE W/ | 0.028 GA |
| MG1025Z20              | ACTIVATOR WILKOFASST 060.32              | 0.010 GA |
| LB1119                 | WARNING LABEL                            | 1.000 EA |
| LB1125C02              | SUPER-E (STOCK CTN LABEL SUPER-E WITH FL | 1.000 EA |
| LC0145B01              | CONNECTION LABEL                         | 1.000 EA |
| LB1357                 | ENERGY GUIDE LABEL (BOX LABEL)           | 1.000 SH |
| NP1426XP               | UL/CSA, CLI GP-D,CLII GP-F&G,CC          | 1.000 EA |
| GOPA1000               | PACKAGING GROUP                          | 1.000 EA |

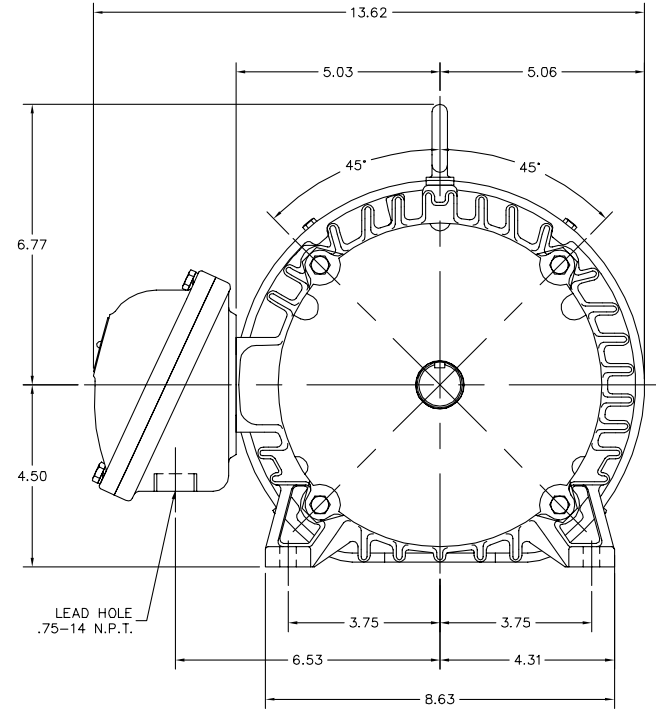
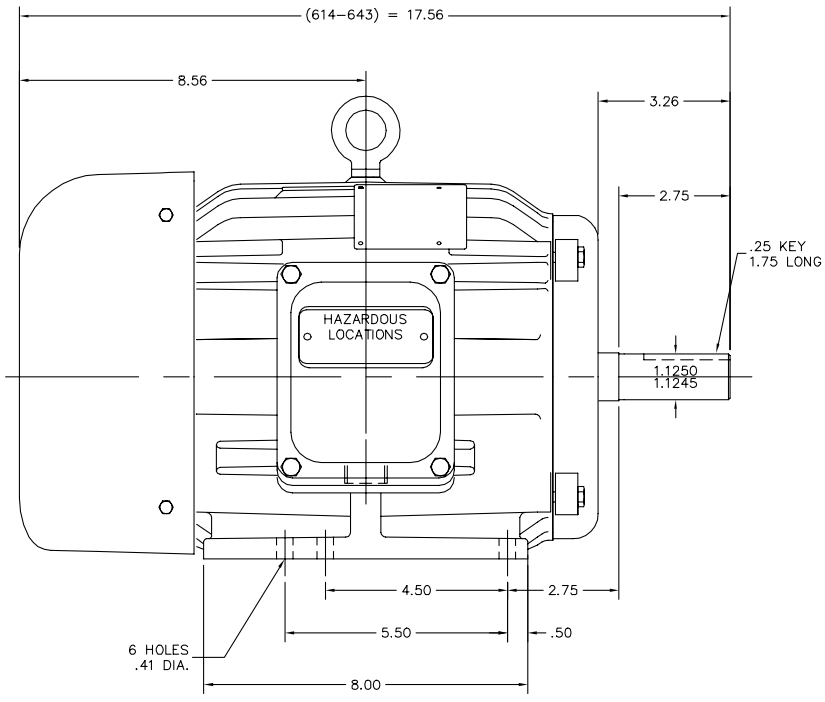
**Performance Data at 460V, 60Hz, 3.0HP (Typical performance - Not guaranteed values)**

| General Characteristics  |                                |        |        |                      |            |        |      |
|--------------------------|--------------------------------|--------|--------|----------------------|------------|--------|------|
| Full Load Torque:        | 9.06 LB-FT                     |        |        | Start Configuration: | DOL        |        |      |
| No-Load Current:         | 2.14 Amps                      |        |        | Break-Down Torque:   | 33.1 LB-FT |        |      |
| Line-line Res. @ 25°C.:  | 3.94 Ohms A Ph / 0.0 Ohms B Ph |        |        | Pull-Up Torque:      | 18.2 LB-FT |        |      |
| Temp. Rise @ Rated Load: | 35 C                           |        |        | Locked-Rotor Torque: | 20.4 LB-FT |        |      |
| Temp. Rise @ S.F. Load:  | 42 C                           |        |        | Starting Current:    | 29.8 Amps  |        |      |
| Load Characteristics     |                                |        |        |                      |            |        |      |
| % of Rated Load          | 25                             | 50     | 75     | 100                  | 125        | 150    | S.F. |
| Power Factor:            | 38.0                           | 58.0   | 70.0   | 77.0                 | 81.0       | 83.0   | 0.0  |
| Efficiency:              | 83.2                           | 88.3   | 89.8   | 89.7                 | 89.1       | 87.7   | 0.0  |
| Speed:                   | 1790.0                         | 1779.0 | 1769.0 | 1757.0               | 1744.0     | 1730.0 | 0.0  |
| Line Amperes:            | 2.34                           | 2.79   | 3.39   | 4.1                  | 4.91       | 5.86   | 0.0  |

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values



06LYJ001



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

|  |                              |                   |
|--|------------------------------|-------------------|
| REV. DESC: UPDATE TO INCLUDE 643 STACK | VERSION: 01                  | TDR: 000000460249 |
| REV. LTR: D                            | REvised: 08:40:52 03/26/2008 | BY: ENSTEKO       |
| FILE: \AAA\00000\715                   |                              |                   |
| MTL: -                                 |                              |                   |

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STD HOR 182-4T XPFC 306M CL 1 GP D, CL 2 GP F & G

SH 1 of 1

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CD0005

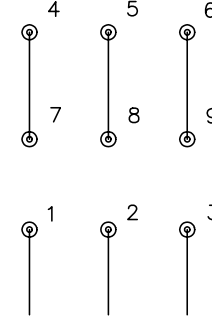


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

|   |         |                         |              |
|---|---------|-------------------------|--------------|
| REV. DESC: REVISE TO SHOW OPTIONAL COLORS |         |                         |              |
| REV. LTR: E                               | BY: JLP | REVISED: 01/19/99 10:15 | TDR: 0171435 |
| 900000                                    |         | FILE: AAA00005140       | MDL: -       |
|   |         | MTL: -                  |              |

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005