

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **EM2565T-4**

**250HP,3565RPM,3PH,60HZ,445TS,DP,F1**

| Part Detail |       |                |         |             |           |               |            |
|-------------|-------|----------------|---------|-------------|-----------|---------------|------------|
| Revision:   | -     | Status:        | PRD/A   | Change #:   |           | Proprietary:  | No         |
| Type:       | AC    | Prod. Type:    | A44068M | Elec. Spec: | A44WG1392 | CD Diagram:   | 416820-008 |
| Enclosure:  | DP    | Mfg Plant:     |         | Mech. Spec: |           | Layout:       | 611750-001 |
| Frame:      | 445TS | Mounting:      | F1      | Poles:      | 02        | Created Date: | 04-24-2015 |
| Base:       |       | Rotation:      | R       | Insulation: | F         | Eff. Date:    | 04-29-2015 |
| Leads:      | 6#1/0 |                |         |             |           | Replaced By:  |            |
| Literature: |       | Elec. Diagram: |         |             |           |               |            |

Nameplate NP2496L

MOBIL POLYREX EM

## Nameplate NP2349L

|                   |               |      |       |              |           |       |                         |        |       |                       |      |
|-------------------|---------------|------|-------|--------------|-----------|-------|-------------------------|--------|-------|-----------------------|------|
| SPEC NO.          | A44-7177-1392 |      |       | CAT.NO.      | EM2565T-4 |       |                         | FRAME  | 445TS |                       |      |
| HP                | 250           |      | VOLTS | 460          |           | PHASE | 3                       | DESIGN | B     | TYPE                  | P    |
| RPM               | 3565          | AMPS | 274   |              |           | HZ    | 60                      | AMB    | 40    | SF                    | 1.15 |
| DRIVE END BEARING | 65BC03J30X    |      |       | DUTY         | CONT      |       | INSUL.CLASS             | F      |       |                       |      |
| OPP D.E. BEARING  | 65BC03J30X    |      |       | ENCL         | DP        |       | CODE                    | F      |       |                       |      |
| SER.NO.           |               |      |       | POWER FACTOR | 89        |       | NEMA-NOM-EFFICIENCY     | 95.4   |       |                       |      |
|                   |               |      |       |              |           |       | MAX CORR KVAR           | 30     |       | GUARANTEED EFFICIENCY | 94.5 |
|                   |               |      |       |              |           |       | NEMA NOM/CSA QUOTED EFF |        |       |                       |      |
|                   |               |      |       |              |           |       | MOTOR WEIGHT            | 1539   |       |                       |      |

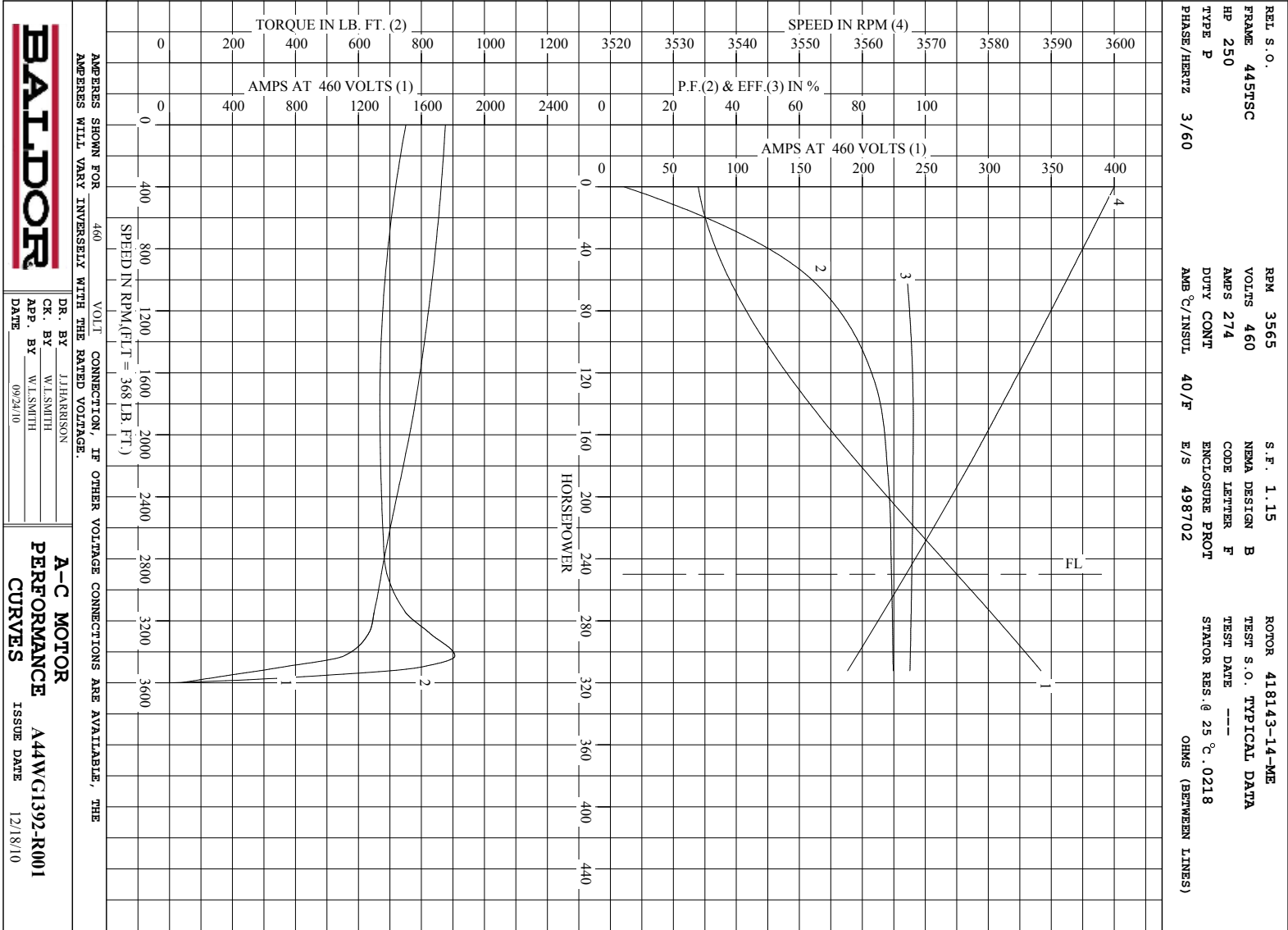
| Parts List  |                                       |          |
|-------------|---------------------------------------|----------|
| Part Number | Description                           | Quantity |
| SA299617    | SA A44-7177-1392                      | 1.000 EA |
| RA286646    | RA A44-7177-1392                      | 1.000 EA |
| 421948044   | LABEL, MYLAR                          | 1.000 EA |
| NP2496L     | MOTOR LUBE NAMEPLATE                  | 1.000 EA |
| 000613006PU | N/P (RELEASE QTY 10,000) UL CSA LABEL | 1.000 EA |
| 000692000VD | LABEL WARNING                         | 1.000 EA |
| NP2349L     | SUPER-E ,SS, CSA, CSA SUPER-E         | 1.000 EA |
| 702611001A  | BAFFL 440 SUB PAINT                   | 1.000 EA |
| 089438082A  | BRKT 440 089438081WCB                 | 1.000 EA |
| 004824015A  | GREASE POLYREX EM                     | 0.540 LB |
| 032018028EK | HHCS 5/8-11X3-1/2L PLTD               | 4.000 EA |
| 032018028CK | HHCS 3/8-16X3-1/2 PLTD.               | 3.000 EA |
| 410700004F  | WSHR                                  | 1.000 EA |
| 035000001G  | GREASE RELIEF FITTING, ALEMITE 317400 | 1.000 EA |
| 034017012AB | LCKW 1/4 STD. PLATED                  | 4.000 EA |
| 405851012AB | SPACE                                 | 4.000 EA |
| 032018006AK | HHCS 1/4-20X3/4L PLATED               | 4.000 EA |
| 034000012AB | WSHR 1/4 STD. PLATED                  | 4.000 EA |
| 034600001AA | BUSH 1/4TO1/8 BLACK                   | 1.000 EA |
| 405851012AB | SPACE                                 | 4.000 EA |
| 034017012AB | LCKW 1/4 STD. PLATED                  | 4.000 EA |
| 034600001AA | BUSH 1/4TO1/8 BLACK                   | 1.000 EA |
| 034000012AB | WSHR 1/4 STD. PLATED                  | 4.000 EA |
| 032018006AK | HHCS 1/4-20X3/4L PLATED               | 4.000 EA |

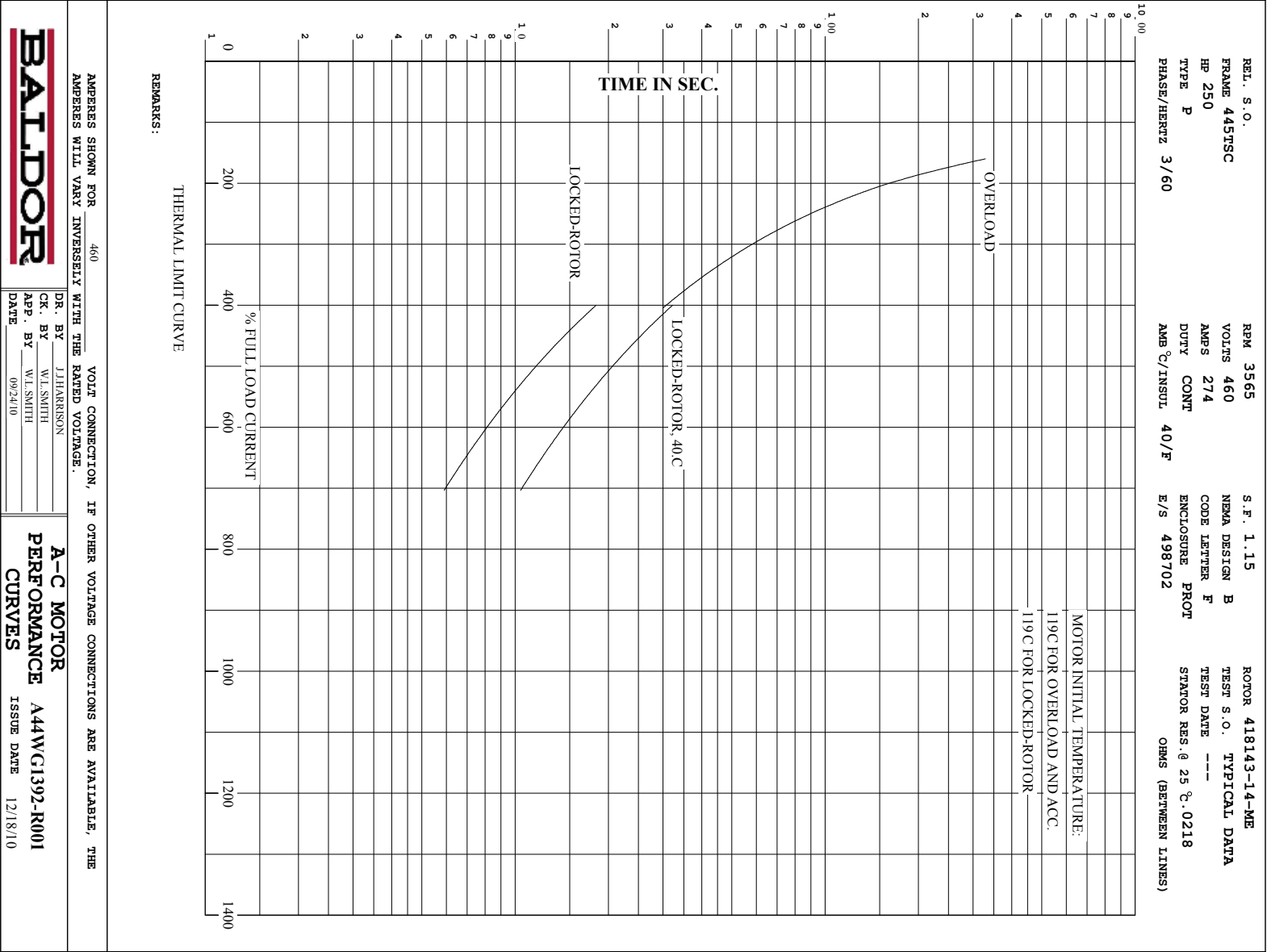
| Parts List (continued) |                                         |          |
|------------------------|-----------------------------------------|----------|
| Part Number            | Description                             | Quantity |
| 089438082A             | BRKT 440 089438081WCB                   | 1.000 EA |
| 702611001A             | BAFFL 440 SUB PAINT                     | 1.000 EA |
| 032018028EK            | HHCS 5/8-11X3-1/2L PLTD                 | 4.000 EA |
| 032018028CK            | HHCS 3/8-16X3-1/2 PLTD.                 | 3.000 EA |
| 035000001G             | GREASE RELIEF FITTING, ALEMITE 317400   | 1.000 EA |
| 702658001A             | CONDUIT BOX, E440                       | 1.000 EA |
| 702658002A             | +C/BOX CVR, PAINTED 440                 | 1.000 EA |
| 406056008A             | GASKET, TERBD 440                       | 1.000 EA |
| 418153001A             | GASK 440                                | 1.000 EA |
| 418150003A             | GREASE FITTING CAP                      | 1.000 EA |
| 032018008DK            | HHCS 1/2-13X1 PLATED                    | 4.000 EA |
| 048897010DG            | PLUG,ODE BRKT - 360                     | 1.000 EA |
| 048977006J             | GRFTG - 440                             | 1.000 EA |
| 035000001A             | ALFTG 1/8" 1610-BL                      | 1.000 EA |
| 415000103D             | T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT | 1.000 EA |
| 033512006LB            | HHTTS 1/4-20X3/4 PLTD.                  | 8.000 EA |
| 033512004LB            | HHTTS 1/4-20X1/2 PLTD.                  | 1.000 EA |
| 035000001A             | ALFTG 1/8" 1610-BL                      | 1.000 EA |
| 418150003A             | GREASE FITTING CAP                      | 1.000 EA |
| MG1025Y03              | WILKOFASST, 789.701, SUPER E PEARL GOLD | 2.000 QT |
| 033775004EA            | DRSCR #6-1/4 304 S.S.                   | 2.000 EA |
| 034180024HA            | KEY 5/8X5/8X3 L                         | 1.000 EA |
| 604797045              | STD. 400 FRAME SKID                     | 1.000 EA |
| 032510024D             | CARRIAGE BOLT - 444                     | 2.000 EA |

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|             |                          |          |
|-------------|--------------------------|----------|
| 034001016AB | WSHR .562ID 1.375OD .109 | 2.000 EA |
| 034001014AB | FLAT WASHER 3/8"PLATED   | 2.000 EA |
| 033300014AC | HEX NUT, SHIPPING - 400  | 2.000 EA |
| 604797003C  | SHIPPING BAG             | 1.000 EA |

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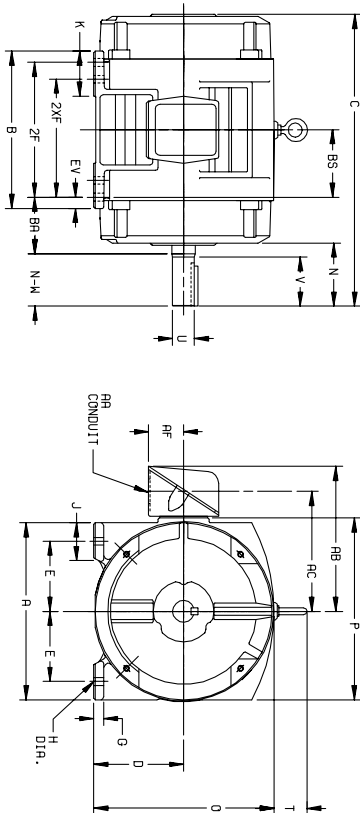




## SQUIRREL-CAGE INDUCTION

COOLING: SELF-VENTILATED

611750-001



DIMENSIONS ARE IN INCHES

| FRAME    | A     | D(2)  | E    | G    | H   | J    | K    | O     | P     | T    | STEEL TERMINAL BOX |       |       |      |      |       |    |    |
|----------|-------|-------|------|------|-----|------|------|-------|-------|------|--------------------|-------|-------|------|------|-------|----|----|
|          |       |       |      |      |     |      |      |       |       |      | AA                 | AB    | AC    | AF   | BA   | EB    | FA | FB |
| 254-256T | 14.50 | 6.25  | 5.00 | .69  | .56 | 2.25 | 3.50 | 14.26 | 12.69 | 2.44 | 1-1/12             | 10.19 | 8.19  | 2.50 | 4.25 | 6.02  |    |    |
| 254-256B | 12.50 | 6.25  | 5.00 | .75  | .56 | 2.25 | 3.75 | 14.21 | 14.31 | 2.44 | -1-1/12            | 12.19 | 9.44  | 3.51 | 4.75 | 10.00 |    |    |
| 284-286B | 14.00 | 7.00  | 5.50 | .75  | .56 | 2.25 | 3.75 | 14.21 | 14.31 | 2.44 | -1-1/12            | 12.19 | 9.44  | 3.51 | 4.75 | 10.00 |    |    |
| 324-326B | 15.75 | 8.00  | 6.25 | .88  | .69 | 3.12 | 4.00 | 16.10 | 16.42 | 2.94 | 3                  | 14.25 | 10.75 | 4.25 | 5.25 | 10.00 |    |    |
| 364-365B | 17.00 | 9.00  | 7.00 | .88  | .69 | 3.00 | 3.62 | 18.10 | 19.56 | 2.94 | 3                  | 14.06 | 14.00 | 5.51 | 5.88 | 10.00 |    |    |
| 404-405B | 19.00 | 10.00 | 8.00 | 1.12 | .81 | 3.25 | 4.75 | 20.58 | 21.81 | 2.94 | 3                  | 19.06 | 15.00 | 4.38 | 6.62 | 1.12  |    |    |
| 444-445B | 21.00 | 11.00 | 9.00 | 1.12 | .81 | 3.25 | 5.25 | 22.97 | 23.62 | 3.25 | 3                  | 22.62 | 17.38 | 5.50 | 7.50 | 1.25  |    |    |

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

|                                |                                |                   |
|--------------------------------|--------------------------------|-------------------|
| REV. DESC: ASSIGNED TO BUSLOAD |                                |                   |
| REV. LTR: A                    | VERSION: 01                    | TDR: 000000489455 |
| FILE: \RAG\00008\297           | REVISED: 15: 03: 33 02/02/2009 | BY: RAGZJR        |
| MTL: -                         |                                |                   |

DIM SHT PROT SV FT 250-440T

SH 1 of 1

- (1) SPECIAL DIMENSION APPLYING TO THIS ORDER ON THIS LINE.  
COUNTER BOX LOCATED ON OPPOSITE SIDE WHEN F-2,W-1,  
W-4,W-5,W-7, OR C-1 MOUNTING IS SPECIFIED.
- (2) "D" VARIES  $\begin{cases} 250T + .00, -.03, \\ 350T - 440T + .00, -.06, \end{cases}$
- (3) "U" VARIES +.000, -.001
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL  
MOUNTING.  
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED  
AT END OF STD SHAFT EXTENSION IS .002 T.I.R. UP TO  
AND INCLUDING 1.625 DIA. AND .003 T.I.R. ABOVE 1.625 TO  
5 INCH DIA.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

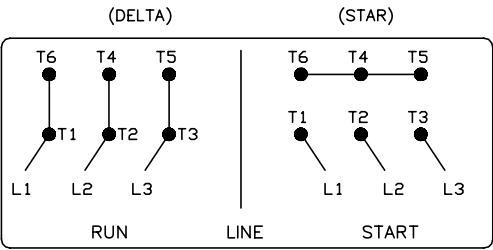
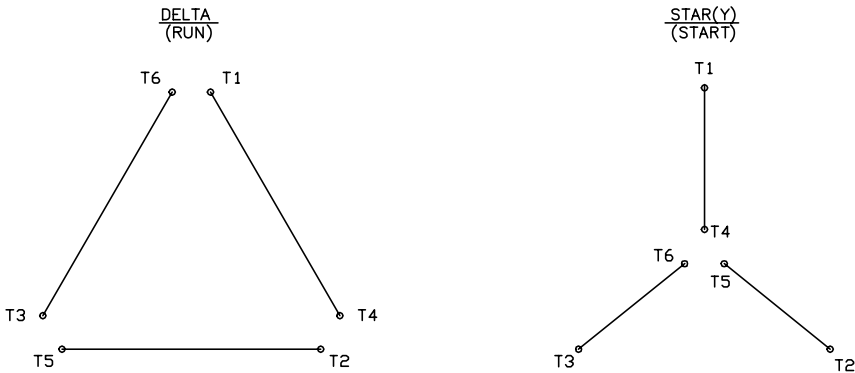
FRAME TYPE \_\_\_\_\_ CERTIFIED FOR \_\_\_\_\_  
 ORDER \_\_\_\_\_ HP \_\_\_\_\_ PH \_\_\_\_\_ HZ \_\_\_\_\_ VOLTS \_\_\_\_\_  
 SALES ORDER \_\_\_\_\_ APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

611750-001

416820-008

A-C MOTOR  
CONNECTION DIAGRAM

STANDARD 6 LEAD      Y START – DELTA RUN



< N. P. 1767-DC >

|                                          |                                |                   |
|------------------------------------------|--------------------------------|-------------------|
| REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM |                                |                   |
| REV. LTR: D                              | VERSION: 04                    | TDR: 000000847713 |
| FILE: \RAG\00001\808                     | REVISED: 10: 41: 26 04/08/2014 | BY: RAGJSS1       |
| MTL: -                                   |                                |                   |

**BALDOR**

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN  
SH 1 of 1

416820-008

Marketing maintained PDF of MN408:

<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>