

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **OF4404T**

**75HP,1130RPM,3PH,60HZ,444T,A4488M,TEFC,F**

| Part Detail |      |                |        |             |           |               |            |
|-------------|------|----------------|--------|-------------|-----------|---------------|------------|
| Revision:   | H    | Status:        | PRD/A  | Change #:   |           | Proprietary:  | No         |
| Type:       | AC   | Prod. Type:    | A4488M | Elec. Spec: | A44WG3741 | CD Diagram:   | 416820-004 |
| Enclosure:  | TEFC | Mfg Plant:     |        | Mech. Spec: |           | Layout:       | 617427-007 |
| Frame:      | 444T | Mounting:      | F2     | Poles:      | 06        | Created Date: | 08-21-2012 |
| Base:       |      | Rotation:      | R      | Insulation: | F         | Eff. Date:    | 09-17-2015 |
| Leads:      | 6#4  |                |        |             |           | Replaced By:  |            |
| Literature: |      | Elec. Diagram: |        |             |           |               |            |

## Nameplate NP2531L

|                   |            |              |          |                     |      |
|-------------------|------------|--------------|----------|---------------------|------|
| CAT.NO.           | OF4404T    | SPEC NO.     | P44G3989 | FRAME               | 444T |
| HP                | 75         | PHASE        | 3        | DESIGN              | D    |
| RPM               | 1130       | HZ           | 60       | TYPE                | P    |
| VOLTS             | 460/796    | AMB          | 40       | SF                  | 1.15 |
| AMPS              | 89.2/51.5  | INSUL.CLASS  | F        |                     |      |
| DRIVE END BEARING | 90BC03J30X | DUTY         | CONT     | CODE                | G    |
| OPP D.E. BEARING  | 90BC03J30X | ENCL         | TEFC     | NEMA-NOM-EFFICIENCY | 88.5 |
| SER.NO.           |            |              |          |                     |      |
|                   |            | MOTOR WEIGHT | 2131     |                     |      |

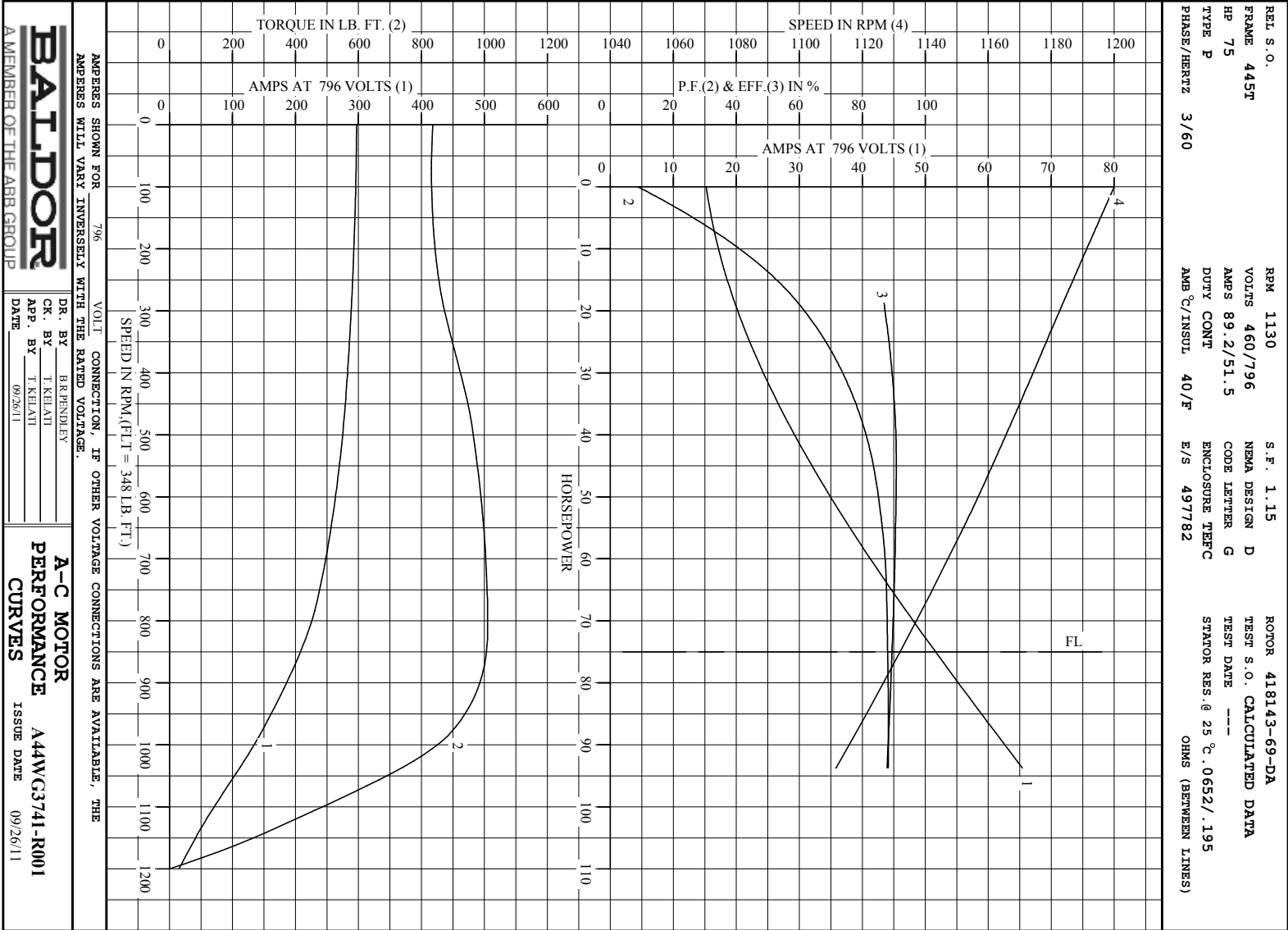
| Parts List  |                                       |          |
|-------------|---------------------------------------|----------|
| Part Number | Description                           | Quantity |
| SA249756    | SA P44G3989                           | 1.000 EA |
| RA236616    | RA P44G3989                           | 1.000 EA |
| 421948037   | LABEL, MYLAR                          | 1.000 EA |
| 000692000FF | N/P                                   | 1.000 EA |
| 000692000VD | LABEL WARNING                         | 1.000 EA |
| NP2531L     | INDUSTRIAL MOTOR,SS, CSA-C US,        | 1.000 EA |
| 089490099A  | G28 BRKT 089490098WCA KB              | 1.000 EA |
| 083199082A  | G28 FAN COVER MACHINING SHORT VERSION | 1.000 EA |
| 034180014DA | KEY 1/4X1/4X1-3/4 L                   | 1.000 EA |
| 412118006A  | DRAIN                                 | 1.000 EA |
| 702618003T  | FAN 440                               | 1.000 EA |
| 034530044AB | P/NIP 1/8X5-1/2L GALV.                | 1.000 EA |
| 004824015A  | GREASE POLYREX EM                     | 1.160 LB |
| 032018020FK | HHCS 3/4-10X2-1/2 PLTD.               | 4.000 EA |
| 032018008CK | HHCS 3/8-16X1L PLATED                 | 4.000 EA |
| 032018030DK | HHCS 1/2-13X3-3/4 PLTD.               | 3.000 EA |
| 415096002A  | CPLG 1/8 HEX TYPE                     | 1.000 EA |
| 415045002A  | SLGR                                  | 1.000 EA |
| 410700004A  | WSHR                                  | 1.000 EA |
| 034017014AB | LCKW 3/8 STD. PLATED                  | 4.000 EA |
| 034530064AB | P/NIP 1/8 X 8" L Pipe Nipple          | 1.000 EA |
| 034690005AB | PPLG 3/4 PLATED                       | 2.000 EA |
| 034631002AB | BUSH 1/4 TO 1/8 PLTD.                 | 1.000 EA |
| 034530064BB | P/NIP 1/4X8 PLATED                    | 1.000 EA |

| Parts List (continued) |                                       |          |
|------------------------|---------------------------------------|----------|
| Part Number            | Description                           | Quantity |
| 418151014G             | RETAIN RING                           | 1.000 EA |
| 034631002AB            | BUSH 1/4 TO 1/8 PLTD.                 | 1.000 EA |
| 034530044BB            | P/NIP 1/4X5-1/2L PLT                  | 1.000 EA |
| 702623013A             | THERMAL BARRIER -- G28 -- BRACKET MTD | 1.000 EA |
| 032018004BK            | HHCS 5/16-18X1/2 PLATED               | 3.000 EA |
| 034017013AB            | LCKW 5/16 STD. PLATED                 | 3.000 EA |
| 089490099A             | G28 BRKT 089490098WCA KB              | 1.000 EA |
| 415915007G             | GASK, LAC                             | 1.000 FT |
| 032018020FK            | HHCS 3/4-10X2-1/2 PLTD.               | 4.000 EA |
| 032018030DK            | HHCS 1/2-13X3-3/4 PLTD.               | 3.000 EA |
| 415045002A             | SLGR                                  | 1.000 EA |
| 412118006A             | DRAIN                                 | 1.000 EA |
| 415096002A             | CPLG 1/8 HEX TYPE                     | 1.000 EA |
| 076863000C             | +CBCST BLKT - 440                     | 1.000 EA |
| 406056007A             | GASKET, 440                           | 1.000 EA |
| 076864000A             | CB CVRCST BLKT - 440                  | 1.000 EA |
| 067053001C             | GASK 440                              | 1.000 EA |
| 418150003A             | GREASE FITTING CAP                    | 1.000 EA |
| MG1025G03              | WILKOFASST, 789.901, OIL RIG SILVER   | 0.500 GA |
| 032018008BK            | HHCS 5/16-18X1L PLATED                | 4.000 EA |
| 032018008DK            | HHCS 1/2-13X1 PLATED                  | 4.000 EA |
| 032620016LA            | SOCKET SET SCREW-449                  | 3.000 EA |
| 035000001A             | ALFTG 1/8" 1610-BL                    | 1.000 EA |
| 035000001A             | ALFTG 1/8" 1610-BL                    | 1.000 EA |

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|             |                                         |          |
|-------------|-----------------------------------------|----------|
| 418150003A  | GREASE FITTING CAP                      | 1.000 EA |
| 415000103D  | T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT | 1.000 EA |
| 406099000A  | PLUG - FAN COVER 320-440                | 1.000 EA |
| 033512004LB | HHTTS 1/4-20X1/2 PLTD.                  | 1.000 EA |
| 033775004EA | DRSCR #6-1/4 304 S.S.                   | 2.000 EA |
| 034180054KA | KEY 7/8X7/8X6-3/4 L                     | 1.000 EA |
| PK5004A09   | BASE 48 X 39-1/4 STACK 2 X 4 RUUNER     | 1.000 EA |
| 035000001G  | GREASE RELIEF FITTING, ALEMITE 317400   | 1.000 EA |
| 035000001G  | GREASE RELIEF FITTING, ALEMITE 317400   | 1.000 EA |

| Accessories   |                                   |            |
|---------------|-----------------------------------|------------|
| Part Number   | Description                       | Multiplier |
| 18-1302       | C-FACE KIT FOR T CONVERTS T TO TC | A8         |
| 18EP1500A01SP | D-FLANGE KIT                      | A8         |



|                                                                                                                                                                           |              |                       |                   |                                            |                 |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|-------------------|--------------------------------------------|-----------------|---------|
| REL.<br>S.O.                                                                                                                                                              | FRAME        | HP                    | TYPE              | PHASE/<br>HERTZ                            | RPM             | VOLTS   |
|                                                                                                                                                                           | 445T         | 75                    | P                 | 3/60                                       | 1130            | 460/796 |
| AMPS                                                                                                                                                                      | DUTY         | AMB °C/<br>INSUL.     | S.F.              | NEMA<br>DESIGN                             | CODE<br>LETTER  | ENCL.   |
| 89.2/51.5                                                                                                                                                                 | CONT         | 40/F                  | 1.15              | D                                          | G               | TEFC    |
| E/S                                                                                                                                                                       | ROTOR        | TEST<br>S.O.          | TEST<br>DATE      | STATOR RES. @25 °C<br>OHMS (BETWEEN LINES) |                 |         |
| 497782                                                                                                                                                                    | 418143-69-DA | ---                   | ---               | .0652/.195                                 |                 |         |
| PERFORMANCE                                                                                                                                                               |              |                       |                   |                                            |                 |         |
| LOAD                                                                                                                                                                      | HP           | AMPERES               | RPM               | %<br>POWER FACTOR                          | %<br>EFFICIENCY |         |
| NO LOAD                                                                                                                                                                   | 0            | 15.3                  | 1200              | 8.71                                       | 0               |         |
| 1/4                                                                                                                                                                       | 18.8         | 19.6                  | 1184              | 59.7                                       | 86.9            |         |
| 2/4                                                                                                                                                                       | 37.5         | 28.1                  | 1168              | 79.7                                       | 90.5            |         |
| 3/4                                                                                                                                                                       | 56.2         | 38.8                  | 1151              | 86.6                                       | 90.5            |         |
| 4/4                                                                                                                                                                       | 75.0         | 51.6                  | 1132              | 88.0                                       | 89.4            |         |
| 5/4                                                                                                                                                                       | 93.7         | 65.5                  | 1112              | 88.2                                       | 87.8            |         |
| SPEED TORQUE                                                                                                                                                              |              |                       |                   |                                            |                 |         |
|                                                                                                                                                                           | RPM          | TORQUE<br>% FULL LOAD | TORQUE<br>LB.-FT. | AMPERES                                    |                 |         |
| LOCKED ROTOR                                                                                                                                                              | 0            | 240                   | 836               | 297                                        |                 |         |
| PULL UP                                                                                                                                                                   | 0            | 240                   | 836               | 297                                        |                 |         |
| BREAKDOWN                                                                                                                                                                 | 810          | 290                   | 1010              | 223                                        |                 |         |
| FULL LOAD                                                                                                                                                                 | 1132         | 100                   | 348               | 51.6                                       |                 |         |
| AMPERES SHOWN FOR 796. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE<br>AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE<br>REMARKS: CALCULATED DATA |              |                       |                   |                                            |                 |         |



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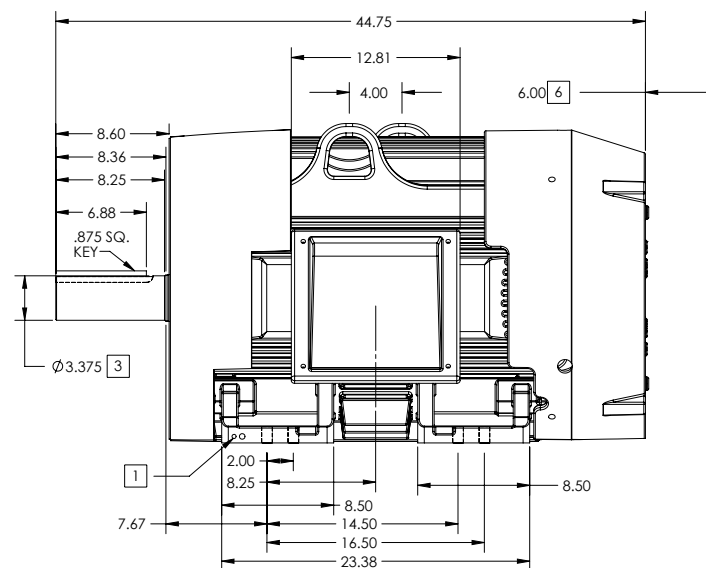
DR. BY B.R.PENDLEY  
CK. BY T. KEIATT  
APP. BY T. KEIATT  
DATE 09/26/11

A-C MOTOR  
PERFORMANCE DATA  
A44WG3741-R001  
ISSUE DATE 09/26/11

## SQUIRREL-CAGE INDUCTION

COOLING: FAN COOLED

INCLUDES 444T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-.06
3. VARIES +.000,-.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCRATCH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-1.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF  
STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

[5] WEIGHT (LBS): 2150

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

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

|                            |             |                              |                   |
|----------------------------|-------------|------------------------------|-------------------|
| REV. DESC: INITIAL RELEASE |             |                              |                   |
| REV: .                     | VERSION: 00 | REVISED: 11:00:02 09/12/2012 | TDR: 000000760644 |
| MODEL NO. 617427-007       |             |                              | REF:              |
| BY: RAGTBM                 |             | Material:                    |                   |

# BALDOR

G445T/444T STD - FOOTED - SIDE/CENTER C/B - F2 MOUNT

# DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

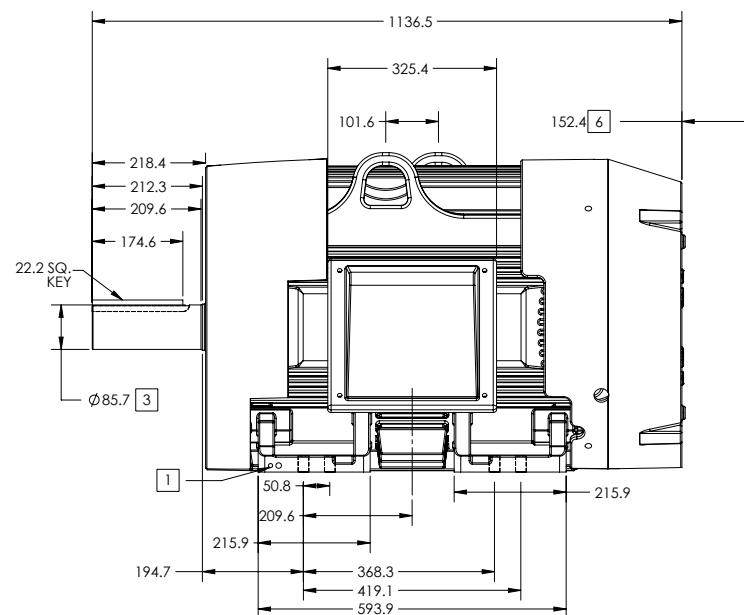
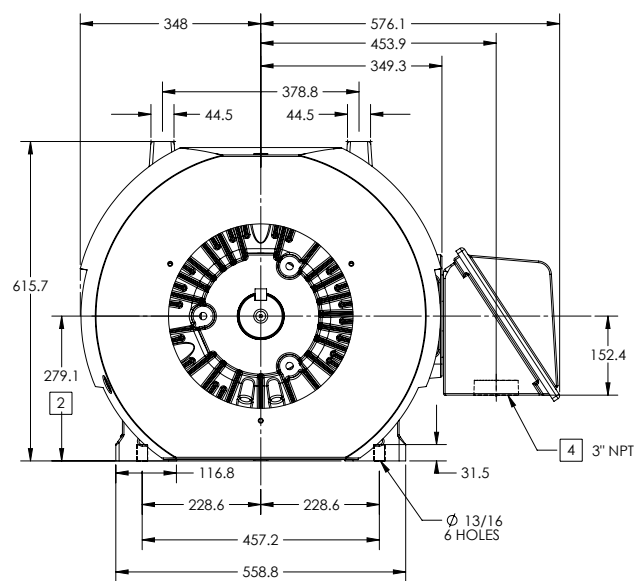
ENCLOSURE: TOTALLY ENCLOSED

FRAME G445T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-.06
3. VARIES +.000,-.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-1.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF  
STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

**5** WEIGHT (KGS): 975

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 2 FOR DIMENSIONS IN INCHES

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

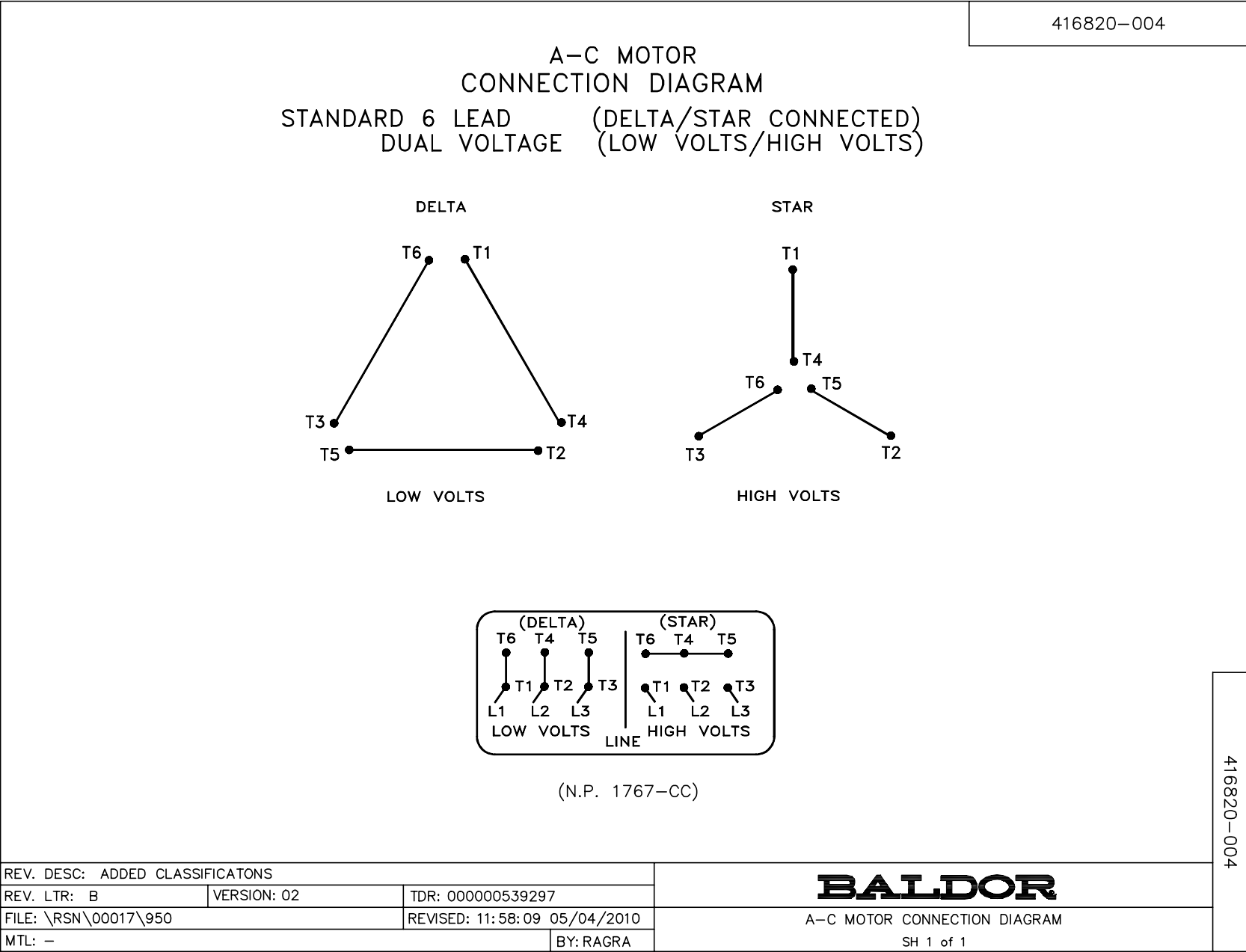
SHEET NUMBER  
2 OF 2

000-227119

| REV. DESC. INITIAL RELEASE |             |                              |                   |
|----------------------------|-------------|------------------------------|-------------------|
| REV. -                     | VERSION: 00 | REVISED: 11/00/02 09/12/2012 | TDR: 000000760644 |
| MODEL NO. 617427-007       |             | REF:                         |                   |
| BY: RAGTBM                 | Material:   |                              |                   |

**BALDOR**

G445T/444T STD - FOOTED - SIDE/CENTER C/B - F2 MOUNT



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>