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# Customer information packet

## EM251252T-4

250HP, 3565RPM, 3PH, 60HZ, 445TS, A44068M, DP

Class - None

Division - Not Applicable

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | DP                      |
| Frame                         | 445TS                   |
| Frame Material                | Iron                    |
| Frequency                     | 60.00 Hz                |
| Haz Area Class and Group      | None                    |
| Haz Area Division             | Not Applicable          |
| Motor Letter Type             | Three Phase             |
| Output @ Frequency            | 250.000 HP @ 60 HZ      |
| Phase                         | 3                       |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ        |
| Voltage @ Frequency           | 460.0 V @ 60 HZ         |
| Agency Approvals              | CCSAUSEEV               |
| Ambient Temperature           | 40 °C                   |
| Auxillary Box                 | No Auxillary Box        |
| Base Indicator                | Rigid                   |
| Bearing Grease Type           | Polyrex EM (-20F +300F) |
| Current @ Voltage             | 274.000 A @ 460.0 V     |
| Design Code                   | B                       |
| Drip Cover                    | No Drip Cover           |
| Duty Rating                   | CONT                    |
| Efficiency @ 100% Load        | 95.4 %                  |
| Feedback Device               | NO FEEDBACK             |
| Heater Indicator              | No Heater               |
| High Voltage Full Load Amps   | 274.0 a                 |
| Insulation Class              | F                       |
| Inverter Code                 | Inverter Ready          |
| IP Rating                     | NONE                    |
| KVA Code                      | F                       |
| Lifting Lugs                  | Standard Lifting Lugs   |
| Motor Lead Quantity/Wire Size | 6 @ 1/0 AWG             |
| Motor Standards               | NEMA                    |
| Motor Type                    | A44068M                 |

## Part detail

|              |            |
|--------------|------------|
| Revision     | C          |
| Type         | AC         |
| Mech. spec.  |            |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | A44WG1392  |
| Layout       | 617428-044 |
| Eff. date    | 07-18-2022 |
| CD Diagram   | 416820-008 |
| Poles        | 02         |
| Leads        | 6#1/0      |
| Proprietary  | False      |
| Created date | 02-09-2015 |

|                                 |                       |
|---------------------------------|-----------------------|
| <b>Mounting Arrangement</b>     | F1                    |
| <b>Number of Poles</b>          | 2                     |
| <b>Overall Length</b>           | 35.88 IN              |
| <b>Power Factor</b>             | 89                    |
| <b>Product Family</b>           | General Industrial    |
| <b>Pulley End Bearing Type</b>  | Ball                  |
| <b>Pulley Face Code</b>         | Standard              |
| <b>Service Factor</b>           | 1.15                  |
| <b>Shaft Diameter</b>           | 2.375 IN              |
| <b>Shaft Ground Indicator</b>   | No Shaft Grounding    |
| <b>Shaft Rotation</b>           | Reversible            |
| <b>Shaft Slinger Indicator</b>  | No Slinger            |
| <b>Speed</b>                    | 3565 rpm              |
| <b>Speed Code</b>               | Single Speed          |
| <b>Starting Method</b>          | Wye Start - Delta Run |
| <b>Thermal Device - Bearing</b> | None                  |
| <b>Thermal Device - Winding</b> | None                  |

**Nameplate**

|                  |  |
|------------------|--|
| NP2496L          |  |
| MOBIL POLYREX EM |  |
|                  |  |

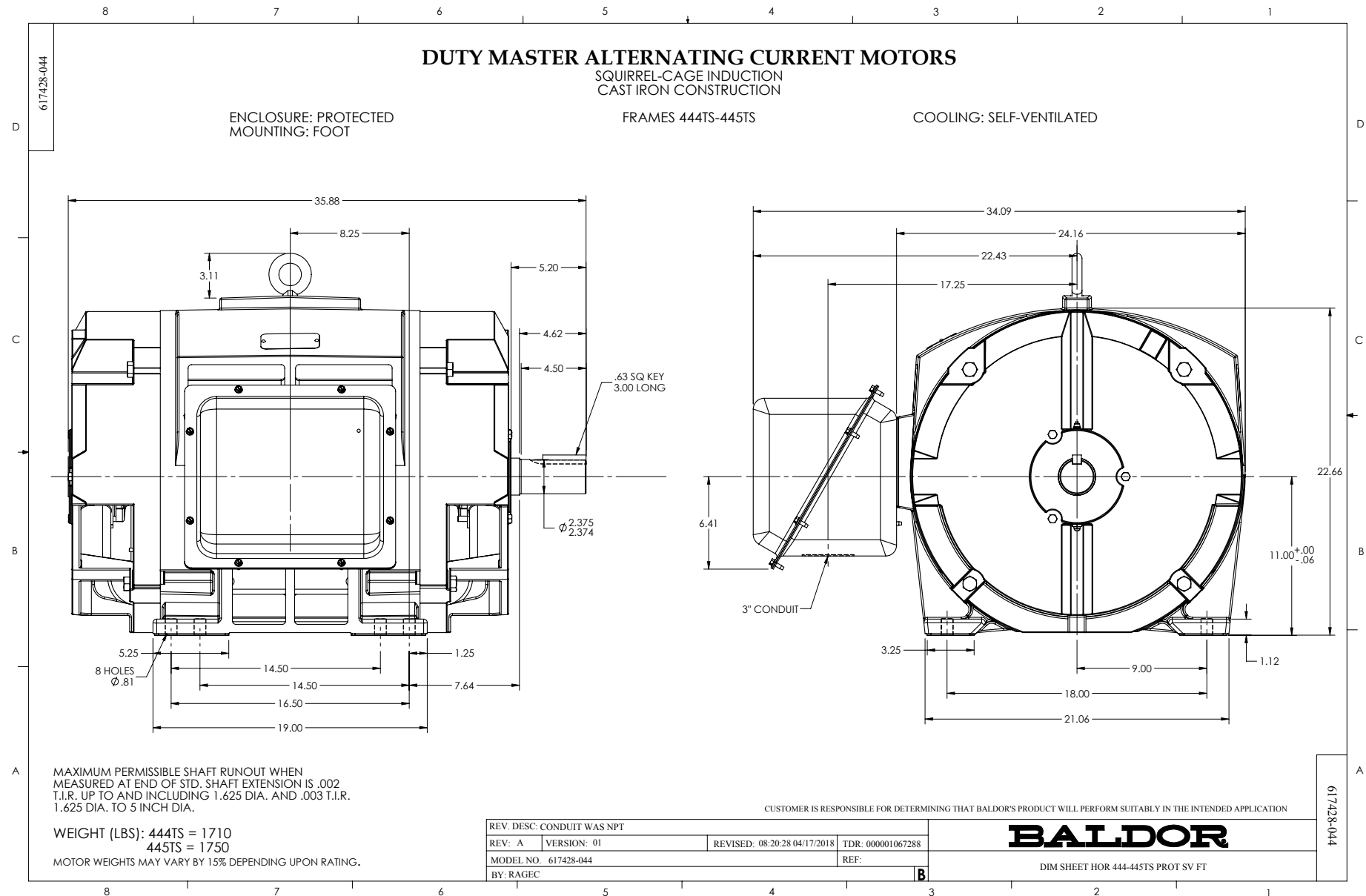
## NP2349L

|                   |               |       |      |              |             |                         |        |                       |      |       |       |  |
|-------------------|---------------|-------|------|--------------|-------------|-------------------------|--------|-----------------------|------|-------|-------|--|
| SPEC NO.          | A44-6819-1392 |       |      | CAT.NO.      | EM251252T-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            |        |                       |      |       | 1489  |  |





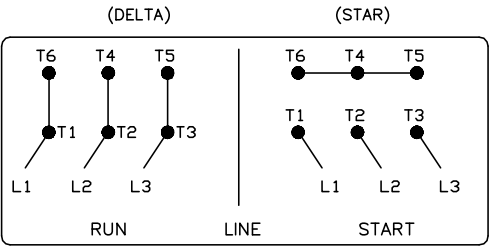
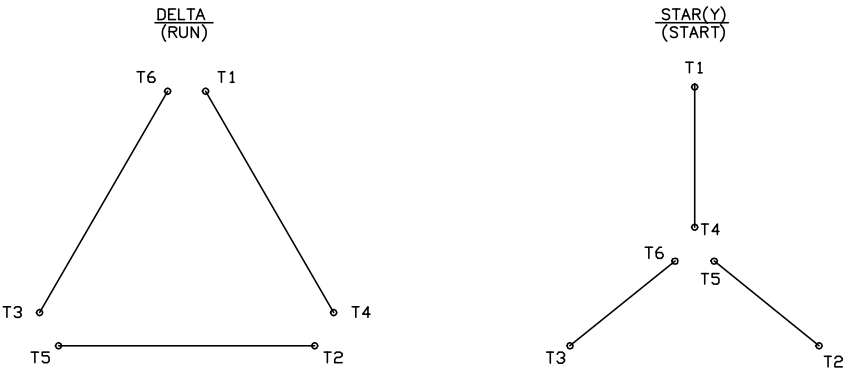




416820-008

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

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