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# Customer information packet

## EM2572T-4

350HP, 1780RPM, 3PH, 60HZ, 449T, DP, F1

Class - None

Division - Not Applicable

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | DP                      |
| Frame                         | 449T                    |
| 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            | 350.000 HP @ 60 HZ      |
| Phase                         | 3                       |
| Synchronous Speed @ Frequency | 1800 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             | 382.000 A @ 460.0 V     |
| Design Code                   | B                       |
| Drip Cover                    | No Drip Cover           |
| Duty Rating                   | CONT                    |
| Efficiency @ 100% Load        | 96.2 %                  |
| Feedback Device               | NO FEEDBACK             |
| Heater Indicator              | No Heater               |
| High Voltage Full Load Amps   | 382.0 a                 |
| Insulation Class              | F                       |
| Inverter Code                 | Inverter Ready          |
| IP Rating                     | NONE                    |
| KVA Code                      | F                       |
| Lifting Lugs                  | Standard Lifting Lugs   |
| Motor Lead Quantity/Wire Size | 12 @ 2 AWG              |
| Motor Standards               | NEMA                    |
| Motor Type                    | A44128M                 |

## Part detail

|              |                    |
|--------------|--------------------|
| Revision     | A                  |
| Type         | AC                 |
| Mech. spec.  |                    |
| Base         |                    |
| Status       | PRD/A              |
| Elec. spec.  | A44WG3196          |
| Layout       | 604989-505         |
| Eff. date    | 03-01-2017         |
| CD Diagram   | 416820-008         |
| Poles        | 04                 |
| Leads        | 6#2 (02 per group) |
| Proprietary  | False              |
| Created date | 11-25-2015         |

|                                 |                       |
|---------------------------------|-----------------------|
| <b>Mounting Arrangement</b>     | F1                    |
| <b>Number of Poles</b>          | 4                     |
| <b>Overall Length</b>           | 48.12 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>           | 3.375 IN              |
| <b>Shaft Ground Indicator</b>   | No Shaft Grounding    |
| <b>Shaft Rotation</b>           | Reversible            |
| <b>Shaft Slinger Indicator</b>  | No Slinger            |
| <b>Speed</b>                    | 1780 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**

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

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**NP2349L**

|                          |               |                     |           |                                |      |
|--------------------------|---------------|---------------------|-----------|--------------------------------|------|
| <b>SPEC NO.</b>          | A44-8066-3196 | <b>CAT.NO.</b>      | EM2572T-4 | <b>FRAME</b>                   | 449T |
| <b>HP</b>                | 350           | <b>VOLTS</b>        | 460       | <b>PHASE</b>                   | 3    |
| <b>RPM</b>               | 1780          | <b>AMPS</b>         | 382       | <b>DESIGN</b>                  | B    |
| <b>DRIVE END BEARING</b> | 90BC03J30X    | <b>DUTY</b>         | CONT      | <b>TYPE</b>                    | P    |
| <b>OPP D.E. BEARING</b>  | 90BC03J30X    | <b>ENCL</b>         | DP        | <b>AMB</b>                     | 40   |
| <b>SER.NO.</b>           |               | <b>INSUL.CLASS</b>  | F         | <b>SF</b>                      | 1.15 |
|                          |               | <b>POWER FACTOR</b> | 89        | <b>NEMA-NOM-EFFICIENCY</b>     | 96.2 |
|                          |               |                     |           | <b>MAX CORR KVAR</b>           | 48   |
|                          |               |                     |           | <b>GUARANTEED EFFICIENCY</b>   | 95.4 |
|                          |               |                     |           | <b>NEMA NOM/CSA QUOTED EFF</b> |      |
|                          |               |                     |           | <b>MOTOR WEIGHT</b>            | 2694 |





604989-505

**DUTY MASTER ALTERNATING CURRENT MOTORS**  
SQUIRREL-CAGE INDUCTION

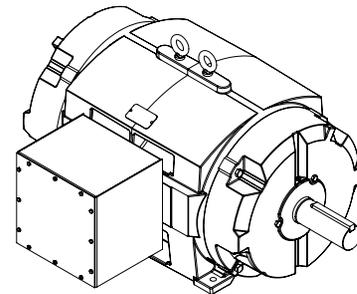
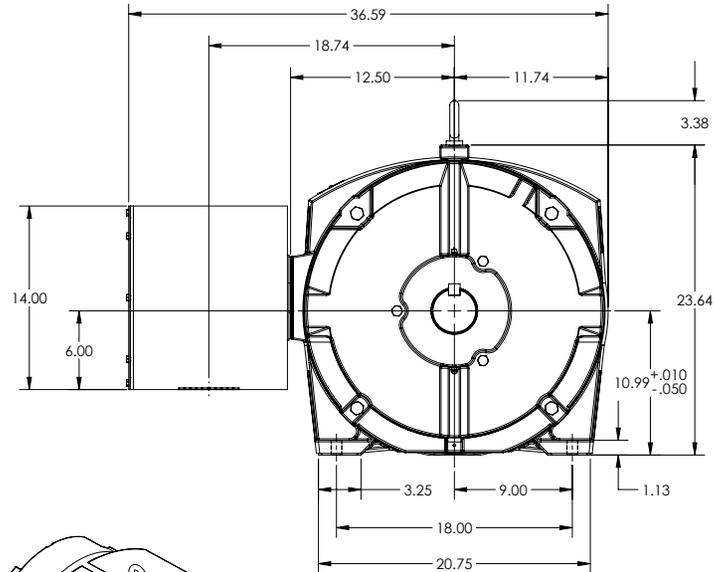
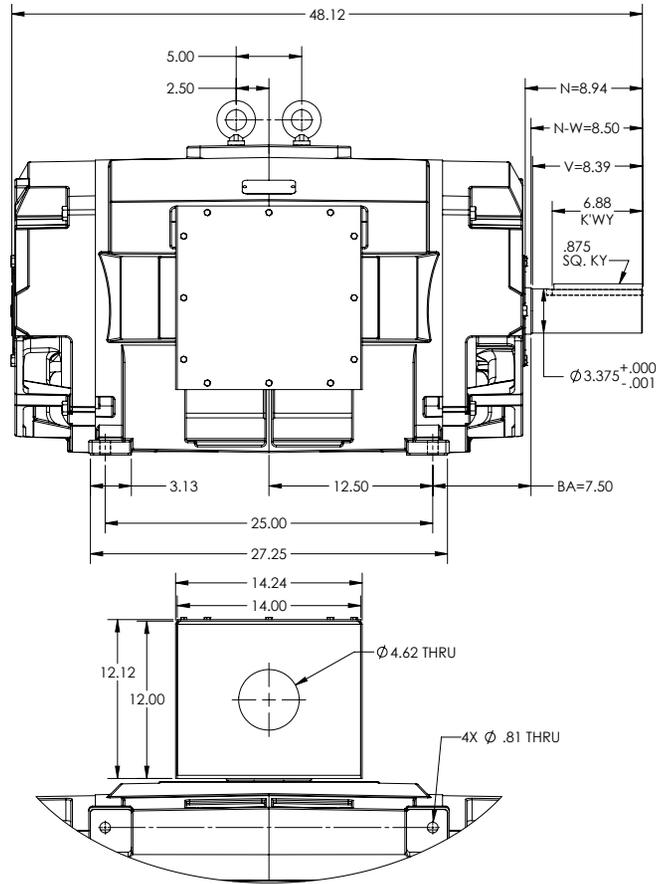
ENCLOSURE: PROTECTED; OPEN DRIP PROOF

FRAME E449T

COOLING: SELF-VENTILATED

MOUNTING: FOOT, F-1 SIDE

14X14X12 FABRICATED STEEL C/BOX



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.

MOTOR WEIGHT: 2100 LBS  
\*MAY VARY BY 15% DEPENDING ON RATING

DIMENSIONS ARE IN INCHES

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

SHEET NUMBER  
1 OF 1

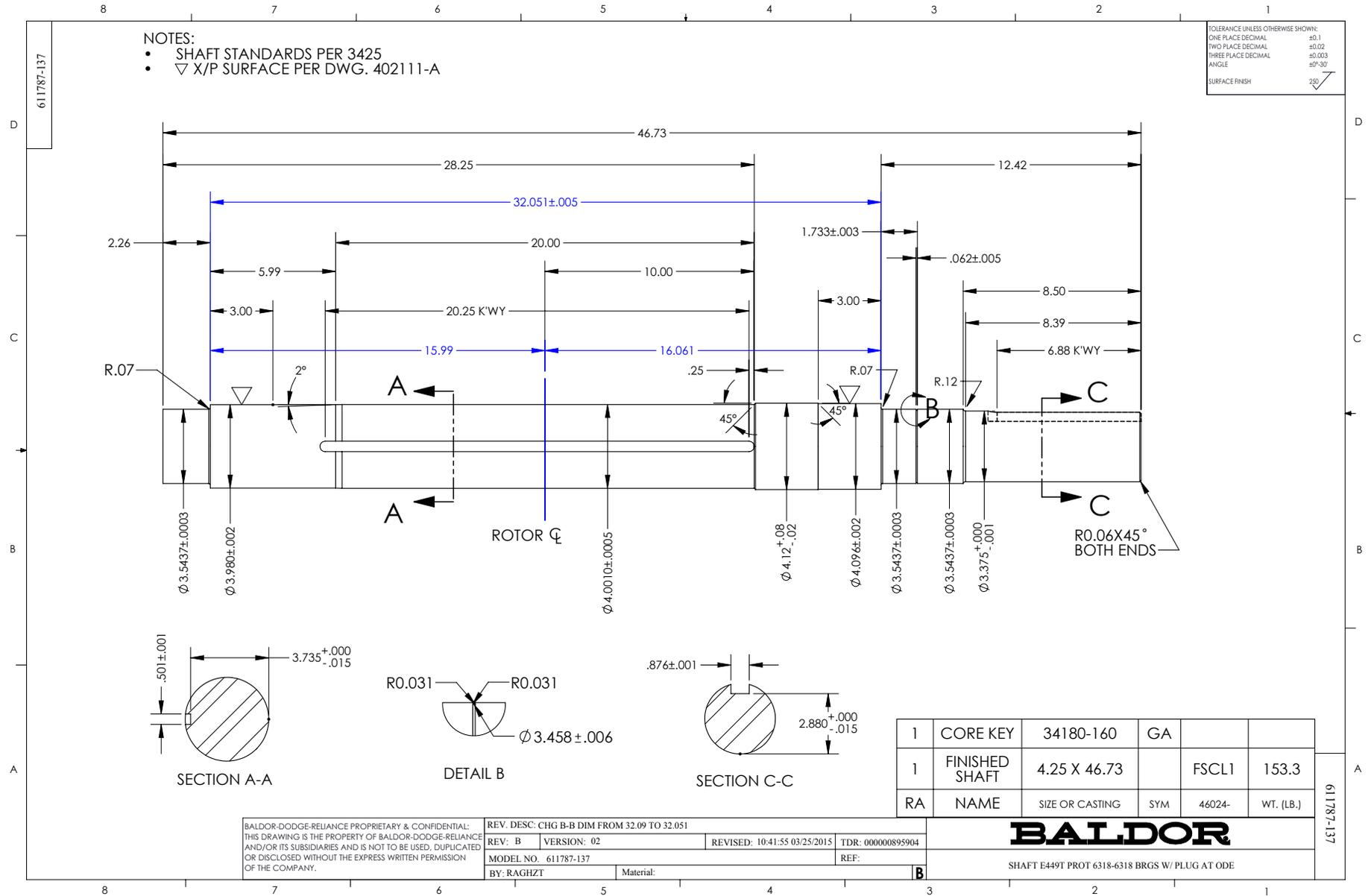
S05-686F09

|   |             |                              |                  |
|---|-------------|------------------------------|------------------|
| REV. DESC: UPDATE MODEL TO ADD EXTERNAL HARDWARE PER PROD MGM |             |                              |                  |
| REV: B  | VERSION: 02 | REVISED: 07-28-44 07/14/2022 | TDR: 00000193529 |
| MODEL NO. 604989-505  |             |                              |                  |
| BY: USBUFRA   |             |                              |                  |

**BALDOR**

449T PROT F-1 FT - 14X14X12 FAB STL C/BOX

S05-686F09

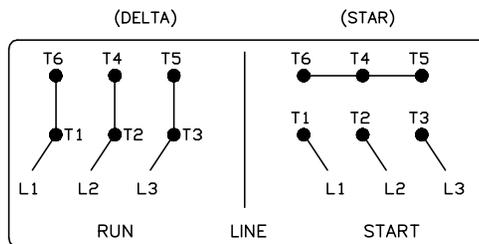
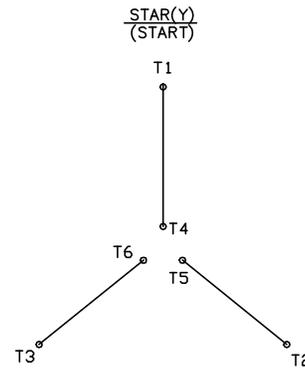
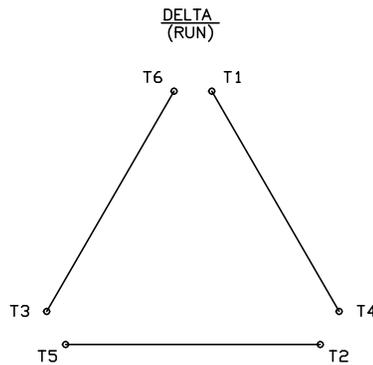


416820-008

# 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: 00000847713 |
| 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