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# Customer information packet

## EM44306T-4

300HP, 1190RPM, 3PH, 60HZ, L449T, TEFC, F1

Class - None

Division - Not Applicable

## Specifications

|                               |                         |
|-------------------------------|-------------------------|
| Enclosure                     | TEFC                    |
| Frame                         | L449T                   |
| 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            | 300.000 HP @ 60 HZ      |
| Phase                         | 3                       |
| Synchronous Speed @ Frequency | 1200 RPM @ 60 HZ        |
| Voltage @ Frequency           | 460.0 V @ 60 HZ         |
| Agency Approvals              | CCSAUSEEV               |
| Ambient Temperature           | 40 °C                   |
| Auxiliary Box                 | NO AUXILLARY BOX        |
| Base Indicator                | Rigid                   |
| Bearing Grease Type           | Polyrex EM (-20F +300F) |
| Current @ Voltage             | 340.000 A @ 460.0 V     |
| Design Code                   | B                       |
| Drip Cover                    | No Drip Cover           |
| Duty Rating                   | CONT                    |
| Efficiency @ 100% Load        | 95.8 %                  |
| Feedback Device               | NO FEEDBACK             |
| Frame Prefix                  | L                       |
| Heater Indicator              | No Heater               |
| High Voltage Full Load Amps   | 340.0 a                 |
| Insulation Class              | F                       |
| Inverter Code                 | Inverter Ready          |
| IP Rating                     | NONE                    |
| KVA Code                      | G                       |
| Motor Lead Quantity/Wire Size | 6 @ 2/0 AWG             |
| Motor Standards               | NEMA                    |
| Motor Type                    | A44208M                 |

## Part detail

|              |                      |
|--------------|----------------------|
| Revision     | F                    |
| Type         | AC                   |
| Mech. spec.  |                      |
| Base         |                      |
| Status       | PRD/A                |
| Elec. spec.  | A44WG4970            |
| Layout       | 617423-200           |
| Eff. date    | 05-26-2022           |
| CD Diagram   | 416820-036           |
| Poles        | 06                   |
| Leads        | 3#2/0 (02 per group) |
| Proprietary  | False                |
| Created date | 04-09-2015           |

|                                 |                    |
|---------------------------------|--------------------|
| <b>Mounting Arrangement</b>     | F1                 |
| <b>Number of Poles</b>          | 6                  |
| <b>Overall Length</b>           | 60.21 IN           |
| <b>Power Factor</b>             | 86                 |
| <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>                    | 1190 rpm           |
| <b>Speed Code</b>               | Single Speed       |
| <b>Starting Method</b>          | Direct on line     |
| <b>Thermal Device - Bearing</b> | None               |
| <b>Thermal Device - Winding</b> | None               |

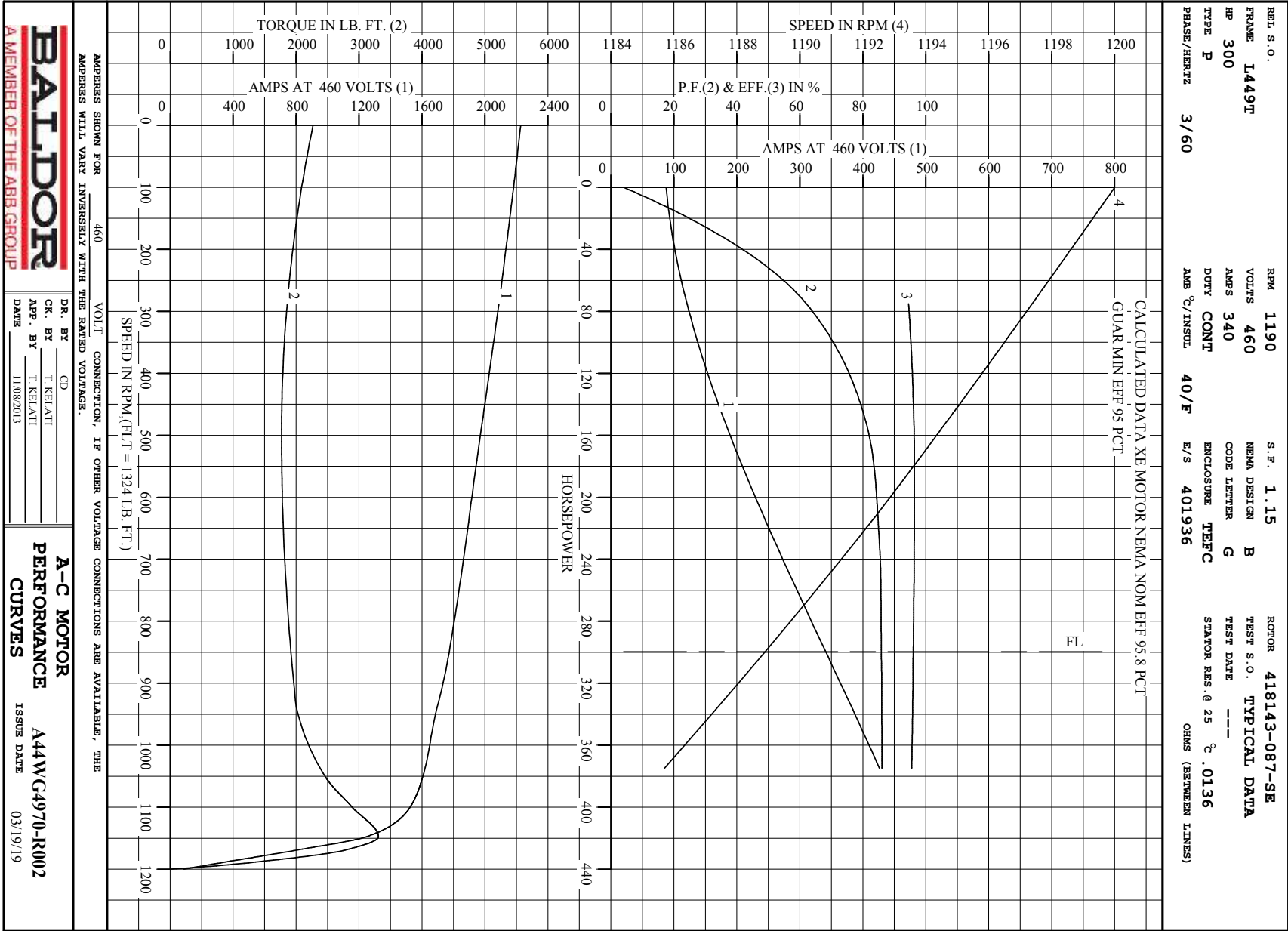
**Nameplate**

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

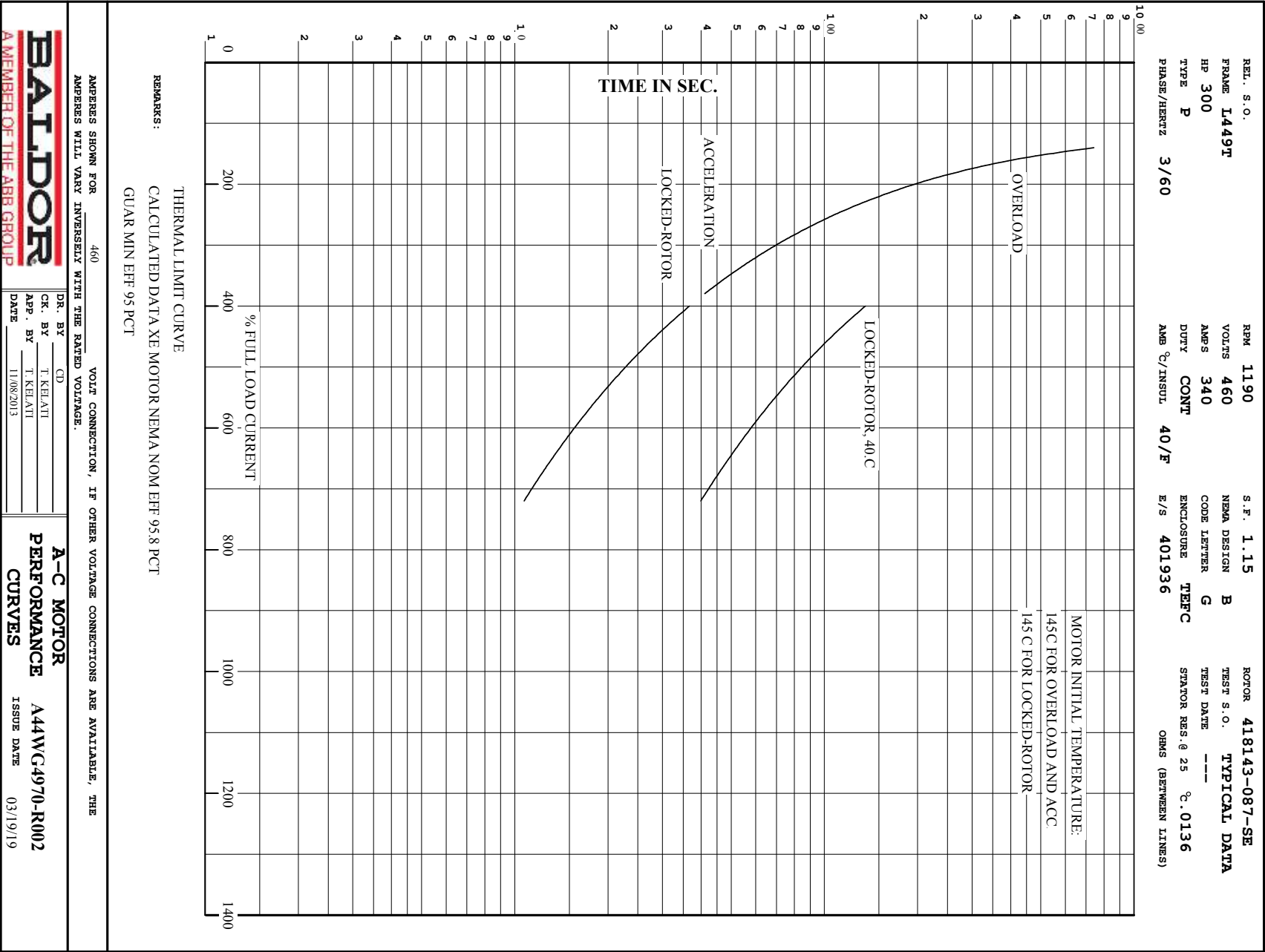
## NP2349L

|                   |               |       |     |              |            |                         |                     |    |                       |              |       |      |
|-------------------|---------------|-------|-----|--------------|------------|-------------------------|---------------------|----|-----------------------|--------------|-------|------|
| SPEC NO.          | A44-7111-4970 |       |     | CAT.NO.      | EM44306T-4 |                         |                     |    |                       | FRAME        | L449T |      |
| HP                | 300           | VOLTS | 460 |              | PHASE      | 3                       | DESIGN              | B  | TYPE                  | P            |       |      |
| RPM               | 1190          | AMPS  | 340 |              | HZ         | 60                      | AMB                 | 40 | SF                    | 1.15         |       |      |
| DRIVE END BEARING | 110BC02J30X   |       |     | DUTY         | CONT       | INSUL.CLASS             |                     | F  |                       |              |       |      |
| OPP D.E. BEARING  | 90BC03J30X    |       |     | ENCL         | TEFC       | CODE                    | G                   |    |                       |              |       |      |
| SER.NO.           |               |       |     | POWER FACTOR |            | 86                      | NEMA-NOM-EFFICIENCY |    |                       |              | 95.8  |      |
|                   |               |       |     |              |            | MAX CORR KVAR           |                     | 61 | GUARANTEED EFFICIENCY |              | 95    |      |
|                   |               |       |     |              |            | NEMA NOM/CSA QUOTED EFF |                     |    |                       |              |       |      |
|                   |               |       |     |              |            |                         |                     |    |                       | MOTOR WEIGHT |       | 3626 |





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## DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

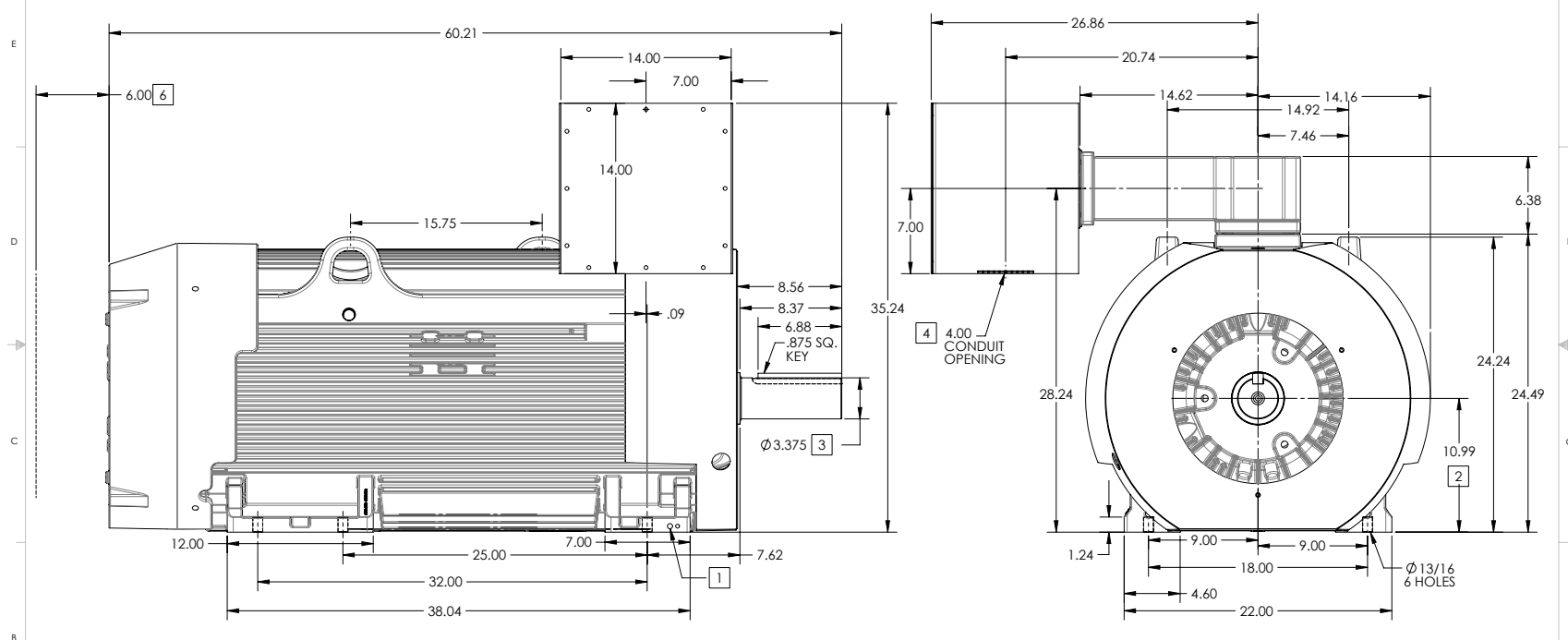
ENCLOSURE: TOTALLY ENCLOSED

FRAME GL449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES G449T 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. FABRICATED STEEL CONDUIT BOX WITH AN OPENING FOR CONDUIT.
5. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.  
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.

WEIGHT (LBS): 3875

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: NEW DRAWING |             |                              |                   |
| REV: -                 | VERSION: 00 | REVISED: 12/31/00 09/22/2014 | TDR: 000000871203 |
| MODEL NO. 617423-200   |             | REF:                         |                   |
| BY: RAGEC              | Material:   |                              |                   |

**BALDOR**

DIM SHEET GL449T/449T FOOT MOUNTED HORIZONTAL 14X14X12 CBOX

## DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

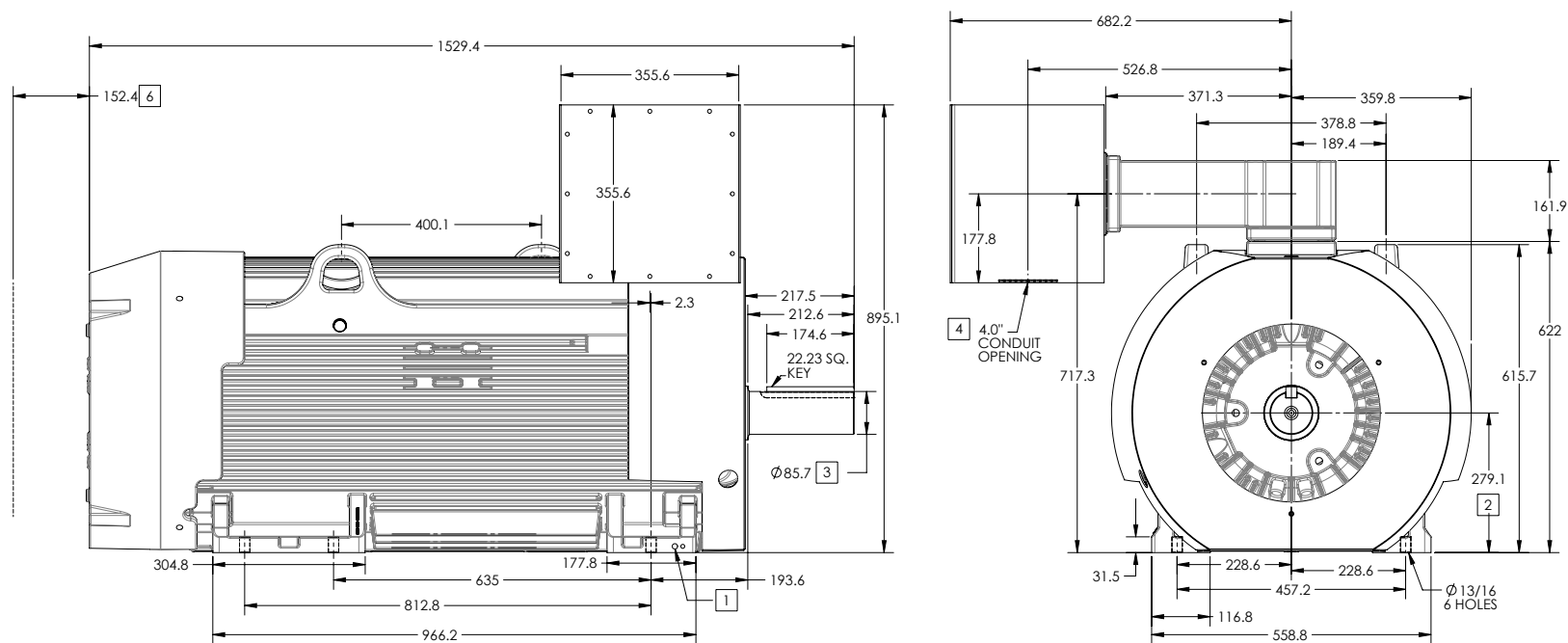
ENCLOSURE: TOTALLY ENCLOSED

FRAME GL449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES G449T FRAME MOUNTING HOLES



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3. VARIES +.000-.001
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6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF  
STANDARD SHAFT EXTENSION IS .08 MM T.I.R. TO 127 MM DIA.

WEIGHT (KGS): 1760

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

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

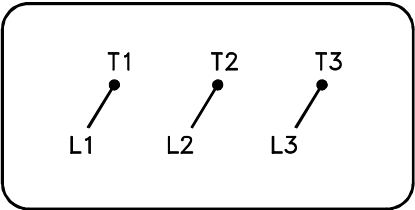
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| REV. DESC: NEW DRAWING |             |                              |                   |
| REV: -                 | VERSION: 00 | REVISED: 12/31/00 09/22/2014 | TDR: 000000871203 |
| MODEL NO. 617423-200   |             | REF:                         |                   |
| BY: RAGEC              | Material:   |                              |                   |

**BALDOR**

DIM SHEET GL449T/449T FOOT MOUNTED HORIZONTAL 14X14X12 CBOX

416820-036

A-C MOTOR  
CONNECTION DIAGRAM  
STANDARD 3 LEAD                      CONNECTED



(N.P. 1575-BA)

416820-036

|                                      |             |                                |                                                                               |
|--------------------------------------|-------------|--------------------------------|-------------------------------------------------------------------------------|
| REV. DESC: LOADED TO BUS, C/R 335225 |             |                                | <div>BALDOR</div> <div>CONN DIAG - STANDARD 3 LEAD</div> <div>SH 1 of 1</div> |
| REV. LTR: -                          | VERSION: 00 | TDR: 000000538207              |                                                                               |
| FILE: \MGA\00000\682                 |             | REVISED: 11: 54: 06 04/30/2010 |                                                                               |
| MTL: -                               |             | BY: RAGRA                      |                                                                               |