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# Customer information packet

## EM44304T-2340

300HP, 1785RPM, 3PH, 60HZ, L449T, A44200M, TEF

Class - None

Division - Not Applicable

## Specifications

Enclosure	TEFC
Frame	L449T
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	300.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	2300.0 V @ 60 HZ 4000.0 V @ 60 HZ
XP Class and Group	None
XP Division	Not Applicable
Agency Approvals	CCSAUSEEV CCSA US
Ambient Temperature	40 °C
Auxillary Box	Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	39.100 A @ 4000.0 V 67.800 A @ 2300.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	Heater Included, 120 V
High Voltage Full Load Amps	39.1 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	H

## Part detail

Revision	V
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4996
Layout	617423-169
Eff. date	11-06-2020
CD Diagram	416820-004
Poles	04
Leads	6#6 482406006P
Proprietary	False
Created date	10-15-2013

<b>Lifting Lugs</b>	<b>Standard Lifting Lugs</b>
<b>Motor Lead Quantity/Wire Size</b>	6 @ 6 AWG
<b>Motor Standards</b>	Other
<b>Motor Type</b>	A44200M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	60.21 IN
<b>Power Factor</b>	87
<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>	Shaft Slinger
<b>Speed</b>	1785 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>	RTD Only

**Nameplate**

**NP3132L**

<b>SPEC NO.</b>	P44G5954	<b>CAT.NO.</b>	EM44304T-2340				<b>FRAME</b>	L449T			
<b>HP</b>	300	<b>VOLTS</b>	2300/4000		<b>PHASE</b>	3	<b>DESIGN</b>	-	<b>TYPE</b>	P	
<b>RPM</b>	1785	<b>AMPS</b>	67.8/39.1		<b>HZ</b>	60	<b>AMB</b>	40	<b>SF</b>	1.15	
<b>DRIVE END BEARING</b>	110BC02J30X	<b>DUTY</b>	CONT		<b>INSUL.CLASS</b>	F					
<b>OPP D.E. BEARING</b>	6318/C3VL0241	<b>ENCL</b>	TEFC		<b>CODE</b>	H					
<b>NEMA NOM/CSA QUOTED EFF</b>	<b>NEMA-NOM-EFFICIENCY</b>		95								
<b>SER.NO.</b>	[REDACTED]										
										<b>MOTOR WEIGHT</b>	3676

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**000901002AAA**

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EQUIPPED WITH 120V/245W AND 24

120V HTR= 1H1,1H2

0V/245W SPACE HEATERS

240V HTR= 2H1,2H2

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**NP2496L**

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MOBIL POLYREX EM

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# DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

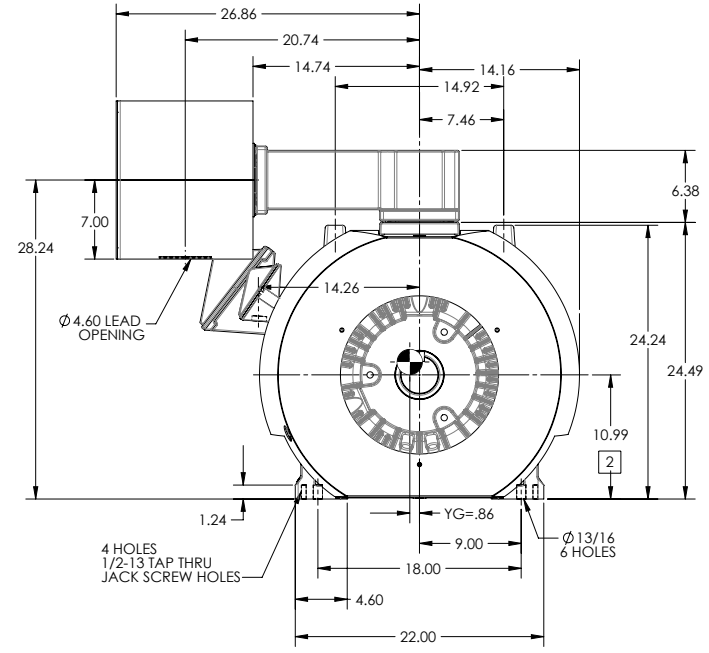
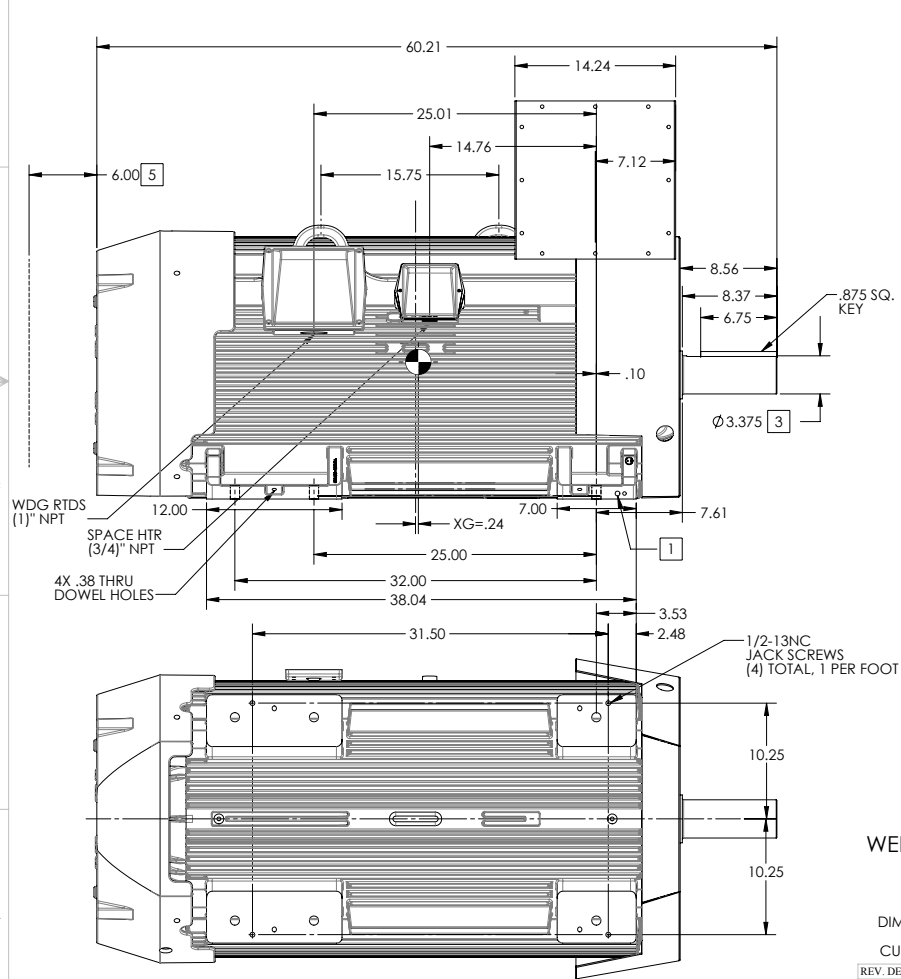
ENCLOSURE: TOTALLY ENCLOSED

FRAME GL449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES DOWEL PIN HOLES, VERTICAL JACK SCREW HOLES, F1 AUX BOXES FOR WDG RTD & SPACE HEATERS AND 14X14X12 FABRICATED MAIN CBOX



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00, -.06
3. VARIES +.000, -.001
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
5. OBSTRUCTION MUST NOT ENCR OACH 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): 4000

DIMENSIONS ARE IN INCHES

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

REV. DESC: ADD COG TO DRAWING			
REV: A	VERSION: 01	REVISED: 01-40-05 08/31/2015	TDR: 00000941807
MODEL NO. 617423-169		REF:	
BY: RAGSS1	Material:	C	

**BALDOR**

D/S GL449T W/ 14X14X12 CB, DOWEL JACK SCREWS, 320 AUX, 180 AUX

# DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

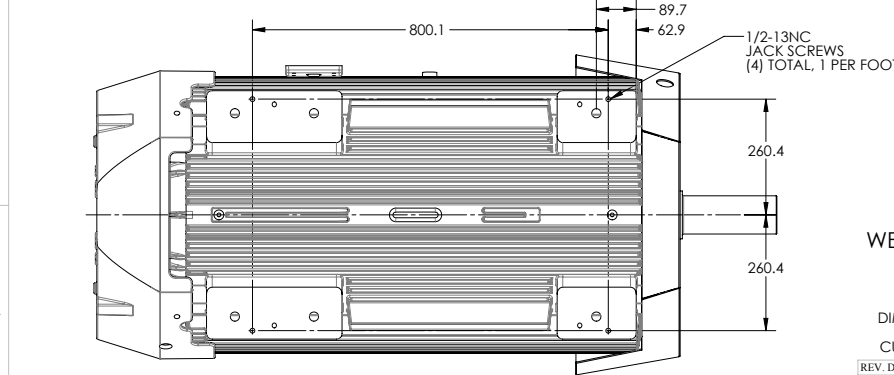
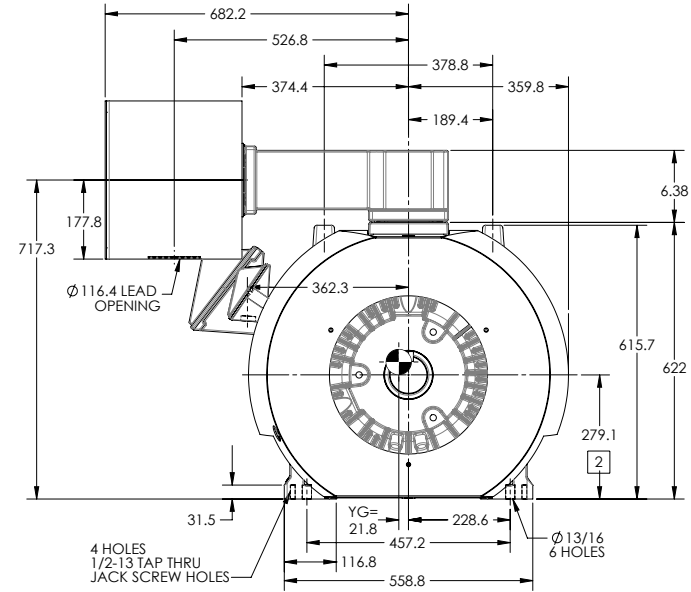
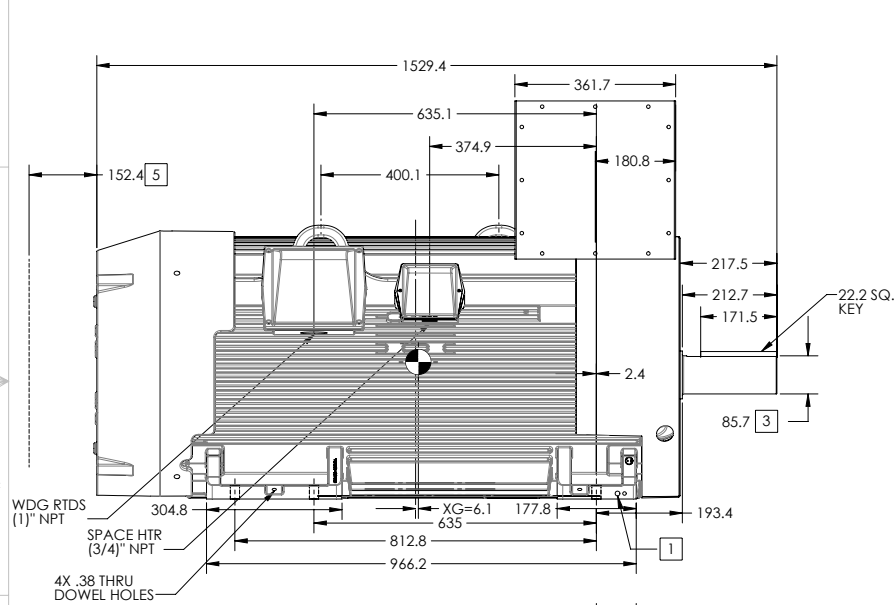
ENCLOSURE: TOTALLY ENCLOSED

FRAME GL449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES DOWEL PIN HOLES, VERTICAL JACK SCREW HOLES, F1 AUX BOXES FOR WDG RTD & SPACE HEATERS AND 14X14X12 FABRICATED MAIN CBOX



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00-.15
3. VARIES +.000-.025
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
5. OBSTRUCTION MUST NOT ENCR OACH 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 .076MM T.I.R. TO 127MM DIA.

WEIGHT (N): 17800

DIMENSIONS ARE IN MM, SEE SHEET 1 FOR DIMENSIONS IN INCHES

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

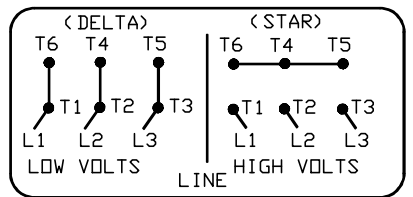
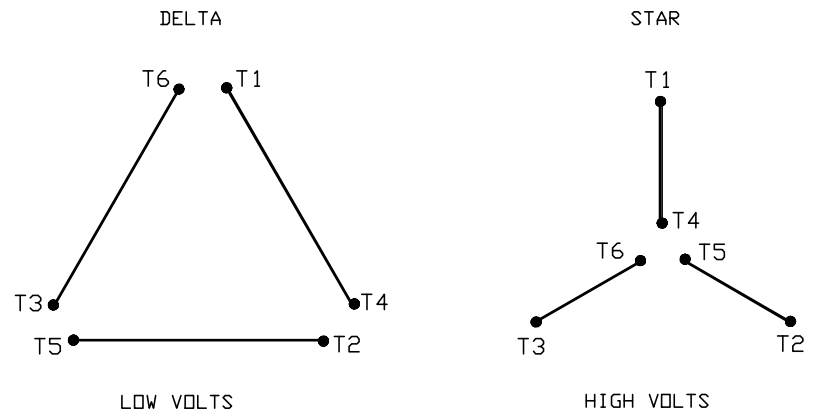
REV. DESC-ADD COG TO DRAWING			
REV: A	VERSION: 01	REVISED: 01-40-05 08/31/2015	TDR: 00000941807
MODEL NO. 617423-169		REF:	
BY: RAGSS1	Material:	C	

**BALDOR**

D/S GL449T W/ 14X14X12 CB,DOWEL JACK SCREWS,320 AUX,180 AUX

416820-004

A-C MOTOR  
 CONNECTION DIAGRAM  
 STANDARD 6 LEAD < DELTA/STAR CONNECTED >  
 DUAL VOLTAGE < LOW VOLTS/HIGH VOLTS >



< N. P. 1767-CC >

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: C	VERSION: 03	TDR: 000001009406
FILE: \RSN\00017\950	REVISED: 10:55:03 12/21/2016	BY: MGHMTT
MTL: -		© □

**BALDOR**

A-C MOTOR CONNECTION DIAGRAM  
 SH 1 of 1

416820-004