ABB BALDOR RELIANCE

Customer information packet

SPM44256T-4

250HP, 1190RPM, 3PH, 60HZ, L449T, A44208M, TEF
Class - CLI GP A,B,C,D; CLII GP F,G
Division - Division II

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11/19/2026 2:12:25 AM

Specifications

Enclosure	TEFC
Frame	L449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D; CLII GP F,G
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM CURUSEEV CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	293.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	293.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	1800 rpm

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6758
Layout	617439-185
Eff. date	01-28-2025
CD Diagram	416820-008
Poles	06
Leads	6#1 (02 per group) Y
Proprietary	False
Created date	11-02-2023

Motor Lead Quantity/Wire Size	12 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44208M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	60.34 IN
Power Factor	83
Product Family	General Industrial
Pulley End Bearing Type	Ball
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Winding	None

Nameplate

NP2496L
MOBIL POLYREX EM

NP4562L																			
CAT NO	SPM44256T-4			**SPEC NO.**	A44-5011-6758				**I.P.**	55									
HP	250	**AMPS**	292		**VOLTS**	460			**DESIGN**	A									
FRAME SIZE	L449T	**RPM**	1190		**MAX RPM**	1800	**HZ**	60	**AMB**	40									
D.E. BRG.	110BC02J30X			**PH.3**	3	**DUTY**	CONT				**INSUL.CLASS**	F							
O.D.E. BRG.	90BC03J30X			**TYPE P**	P	**ENCL**	TEFC	**SF**	1.15	**CODE**	K								
POWER FACTOR	83			**MAX CORR KVAR**	65.38						**NEMA NOM EFFICIENCY**	96.2			**MOTOR WEIGHT**		**LBS**		
CL.I,DIV 2,GRP:	**A,B,C,D**	**T.CODE**	T3C			**CL.1,ZONE 2,GRP:**				**IIA,IIB,IIC**	**T=**	160	**INVERTER T.CODE**	T2D					
CL.II,DIV 2,GRP:	**F,G**	**T.CODE**	T3C				**CL II ZONE 22 GRPS IIIB**				**T=**	160	**INVERTER T.CODE**	T3C					
ID LOGO	**INV TYPE:**	**VPWM**	**CT**	30	**TO**	60	**VT**	3	**TO**	60	**CHP**	60	**TO**	90					
ID LOGO	**1.0 SF VPWM**	**WK2**	187	**LBFT2**	**SL HZ**	0.36	**MAG CUR**	105											
SER.NO.				**MEETS INTENT OF IEEE-45**							**FOR WEATHER PROTECTION**								

617439-185

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

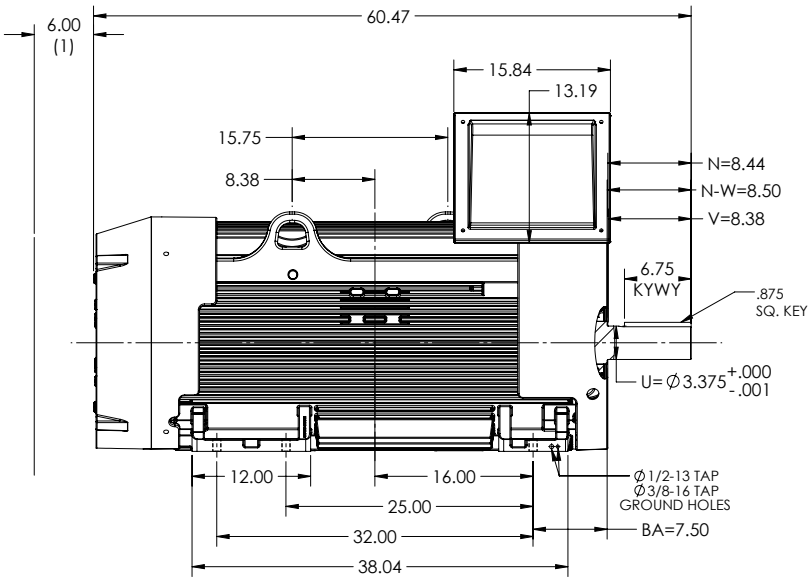
MOUNTING: FOOT, F-1

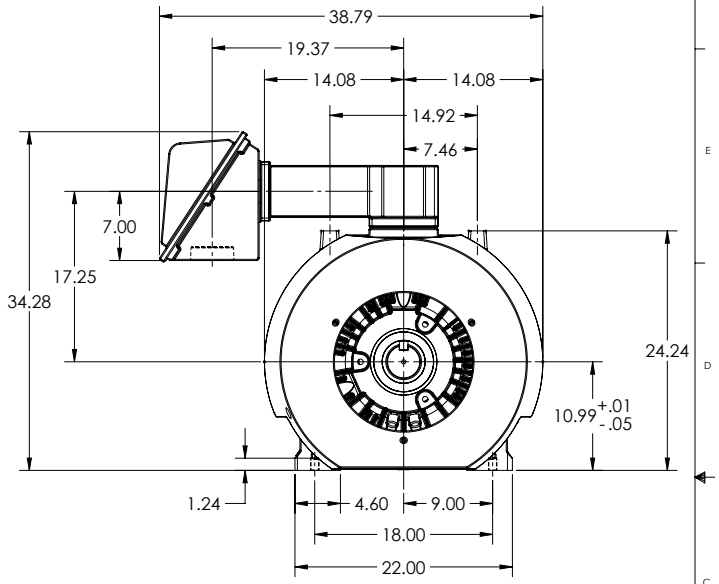
FRAME GL449T

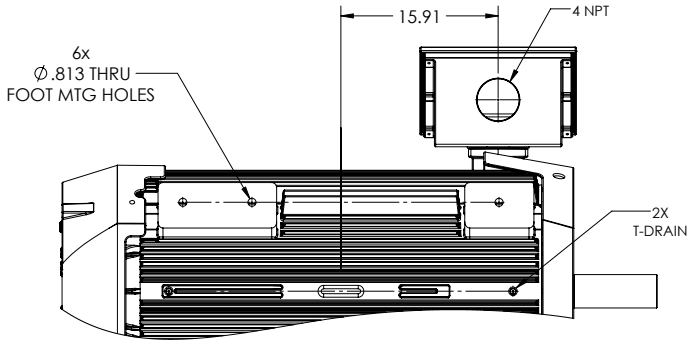
INCLUDE G449T FRAME MOUNTING HOLES
STD CAST IRON C/BOX, TOP DRIVE END
WITH TACONITE SLINGERS

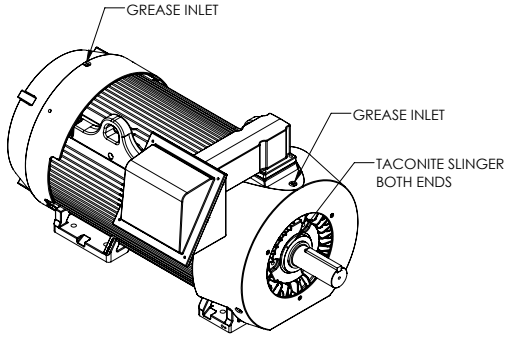
COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY









1. OBSTRUCTION MUST NO ENCROACH ON AIR INLET.
2. MOTOR WEIGHT (LBS)=3850 ± 15% DEPENDS ON RATING.
3. IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULTFACTORY.
4. MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003 T.I.R.

DIMENSIONS ARE IN INCHES.

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

REV. DESC: UPDATE SHAFT DIMENSIONS			
REV: A	VERSION: 01	REVISED: 02:38:52 11/25/2024	TDR: 000001245256
MODEL NO. 617439-185			
BY: USJOSUL			C

BALDOR

GL449T TEFC F1 FT CI BOX ON LEAD THROAT DIV 2 CL 2 AIR DEF

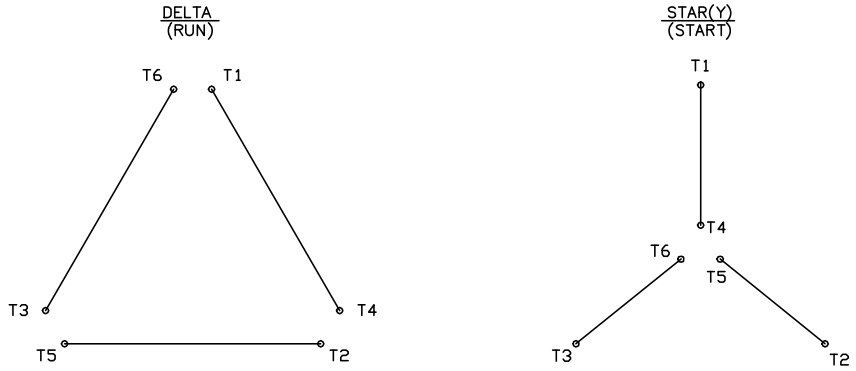
1 OF 1

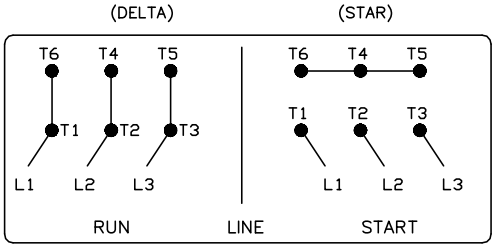
617439-185

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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