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# 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

## 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
Auxillary 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	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6758
Layout	617439-185
Eff. date	01-15-2025
CD Diagram	416820-008
Poles	06
Leads	6#1 (02 per group) Y
Proprietary	False
Created date	11-02-2023

<b>Motor Lead Quantity/Wire Size</b>	12 @ 1 AWG
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	A44208M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	60.34 IN
<b>Power Factor</b>	83
<b>Product Family</b>	General Industrial
<b>Pulley End Bearing Type</b>	Ball
<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>	1190 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Wye Start - Delta Run
<b>Thermal Device - Winding</b>	None

**Nameplate**

**NP2496L**



**NP4562L**

<b>CAT NO</b>	SPM44256T-4	<b>SPEC NO.</b>	A44-5011-6758		<b>I.P.</b>			
<b>HP</b>	250	<b>AMPS</b>	293	<b>VOLTS</b>	460	<b>DESIGN</b> B		
<b>FRAME SIZE</b>	L449T	<b>RPM</b>	1190	<b>MAX RPM</b>	1800	<b>HZ</b> 60	<b>AMB</b> 40 °C	
<b>D.E. BRG.</b>		<b>PH.3</b>	3	<b>DUTY</b>	CONT	<b>INSUL.CLASS</b> F		
<b>O.D.E. BRG.</b>		<b>TYPE P</b>	P	<b>ENCL</b>	TEFC	<b>SF</b> 1.15	<b>CODE</b> G	
<b>POWER FACTOR</b>	83	<b>MAX CORR KVAR</b>	65.38	<b>NEMA NOM EFFICIENCY</b>	96.2	<b>MOTOR WEIGHT</b>	<b>LBS</b>	
<b>CL.I,DIV 2,GRP:</b>	A,B,C,D	<b>T.CODE</b>	T3C	<b>CL.1,ZONE 2,GRP:</b>	IIA,IIB,IIC	<b>T=</b> 160 °C	<b>INVERTER T.CODE</b> T3	
<b>CL.II,DIV 2,GRP:</b>	F,G	<b>T.CODE</b>	T3C	<b>CL II ZONE 22 GRPS IIIB</b>	T= 160 °C	<b>INVERTER T.CODE</b>	T3	
<b>ID LOGO</b>	<b>INV TYPE:</b>	<b>VPWM</b>	<b>CT</b> 30	<b>TO</b> 60	<b>VT</b> 3	<b>TO</b> 60	<b>CHP</b> 60	<b>TO</b> 90
<b>ID LOGO</b>	1.0 SF VPWM	<b>WK2</b>	187	<b>LBFT2</b>	<b>SL HZ</b>	0.5	<b>MAG CUR</b>	110
<b>SER.NO.</b>		<b>MEETS INTENT OF IEEE-45</b>			<b>FOR WEATHER PROTECTION</b>			

617439-185

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

FRAME GL449T

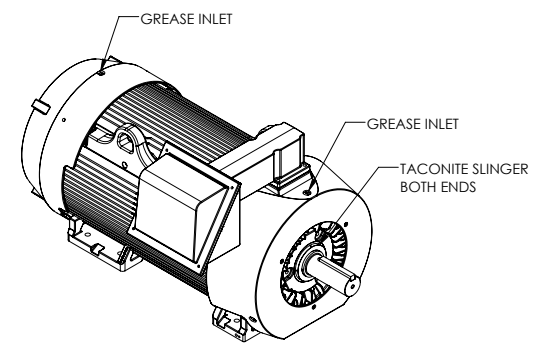
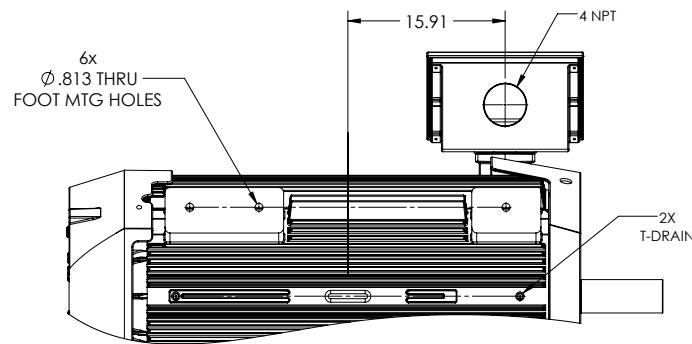
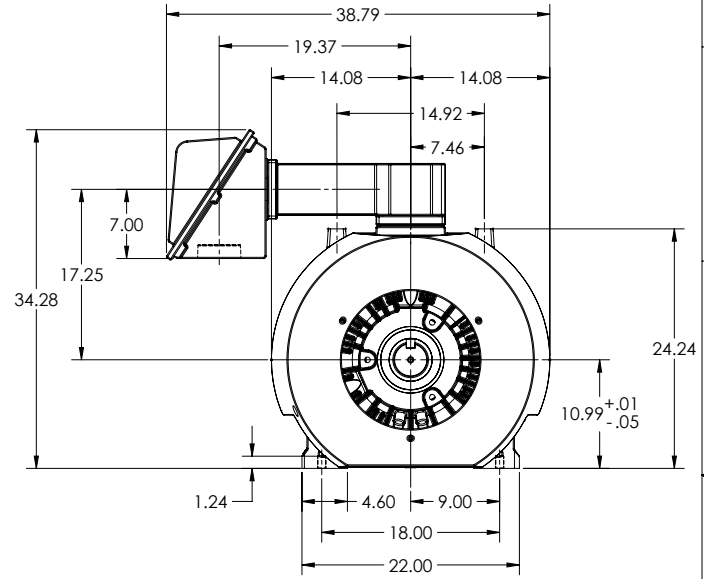
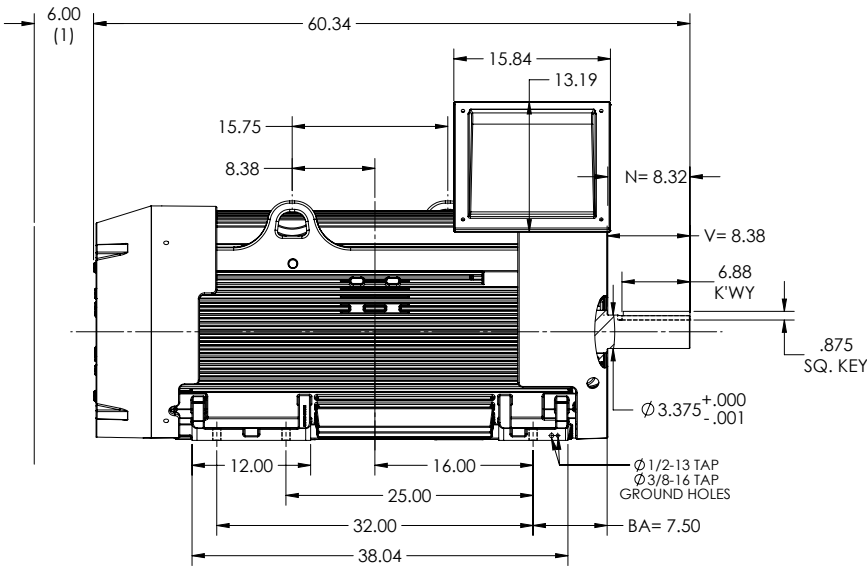
INCLUDE G449T FRAME MOUNTING HOLES  
STD CAST IRON C/BOX, TOP DRIVE END  
WITH TACONITE SLINGERS

COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1



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.

1 OF 1  
581-79719

REV. DESC: NEW	VERSION: 00	REVISED: 12-28-84 11/02/2023	TDR: 000001219171
MODEL NO. 617439-185			
BY: ENSTEKO			

**BALDOR**

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

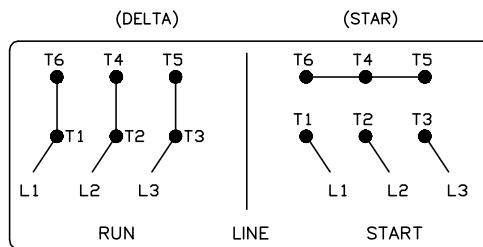
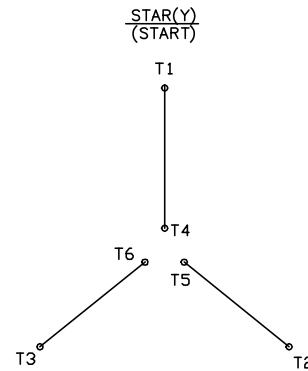
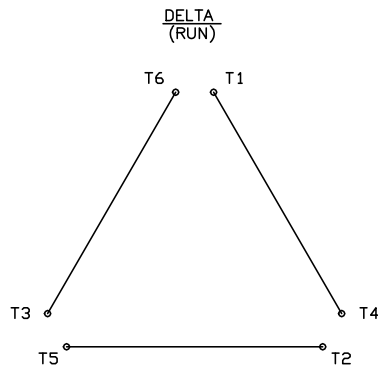
617439-185

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: 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