



Customer information packet

SPM44256T-4

250HP, 1190RPM, 3PH, 60HZ, L449T, A44208M, TEF

PFC EQUIPMENT INC

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	D
Type	AC
Mech. spec.	
Base	
Status	SMP/A
Elec. spec.	A44WG6758
Layout	617439-185
Eff. date	11-08-2024
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	293		VOLTS		460		DESIGN		B				
FRAME SIZE	L449T	RPM	1190		MAX RPM		1800	HZ	60	AMB	40	°C			
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	G				
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	°C	INVERTER T.CODE	T3
CL.II,DIV 2,GRP:	F,G	T.CODE	T3C		CL II ZONE 22 GRPS IIIB				T=		160	°C	INVERTER T.CODE	T3	
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	0.5		MAG CUR		110		
SER.NO.			MEETS INTENT OF IEEE-45						FOR WEATHER PROTECTION						

Parts list

Part number	Description	Quantity
SA422830	SA A44-5011-6758	1.000 ea
RA414837	RA A44-5011-6758	1.000 ea
421948051	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
NP4562L	SS,SUPER PREM,CL.II DIV 2,MAIN,NEMA PREM	1.000 ea
HW4506A02	BREATHER/DRAIN-EXP PROOF-.125-27 NPTF AI	2.000 ea
034690005AB	PPLG 3/4 PLATED	2.000 ea
004824015A	GREASE POLYREX EM	1.156 lb
089490099AA	G28 BRKT 089490098WCA	1.000 ea
410700004A	WSHR	1.000 ea
415072001B	CLAMP	1.000 ea
083199082A	G28 FAN COVER MACHINING SHORT VERSION	1.000 ea
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 ea
702618011RN	FAN 440 702618004T - 2.00 BORE 17.5 DIA	1.000 ea
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 ea
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
415044053AX	SLINGER,DE 6318 G440	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
034530064BB	P/NIP 1/4X8 PLATED	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
032620016LA	SOCKET SET SCREW-449	3.000 ea
702623022A	G28 AIR DEFLECTOR DRIVE END -- PLASTIC	1.000 ea
418151014H	RETAIN RING	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
034530064BB	P/NIP 1/4X8 PLATED	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea

702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 ea
034017013AB	LCKW 5/16 STD. PLATED	3.000 ea
089490101M	G28 BRKT 089490100WCA	1.000 ea
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 ea
415044054AX	SLINGER,DE NU222 G440	1.000 ea
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
415030009AX	BUSH	1.000 ea
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 ea
034001013AB	FLTW BAFFLE	1.000 ea
415915007G	GASK, LAC	1.000 ft
076870000BA	CONDUIT BOX - 440 - 1/2-13 GROUND	1.000 ea
406056007A	GASKET, 440	1.000 ea
076871000A	+CBOX CVR BLKT - 449	1.000 ea
067053014A	GASK 440	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
032018008DK	HHCS 1/2-13X1 PLATED	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
033512006LB	HHTTS 1/4-20X3/4 PLTD.	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
415030115A	G28 C/BOX 415030114WCA	1.000 ea
032130014DB	HSCHS1/2-13X1-3/4 PLATE	4.000 ea
034000016AB	WSHR .531ID 1.062OD .095	4.000 ea
415039027A	GASKET, G28 LEAD THROAT	1.000 ea
MG1050Y01	CELEROL BALDOR GOLD *** NLA IN 5 GALLON	0.500 ga
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180054KA	7/8 SQ X 6.75 KEY	1.000 ea
604797032	447/449 WIDE SHIPPING SKID 70" X 55"	1.000 ea

032510024D	CARRIAGE BOLT - 444	2.000 ea
034001016AB	WSHR .562ID 1.375OD .109	2.000 ea
034001014AB	FLAT WASHER 3/8"PLATED	2.000 ea
033300014AC	HEX NUT, SHIPPING - 400	2.000 ea
604799003C	PLASTIC BAG 42X32X46	1.000 ea
LB1636	LABEL, SUPER PREMIUM SP4, 1.75 X 1.75	1.000 ea

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

FRAME GL449T

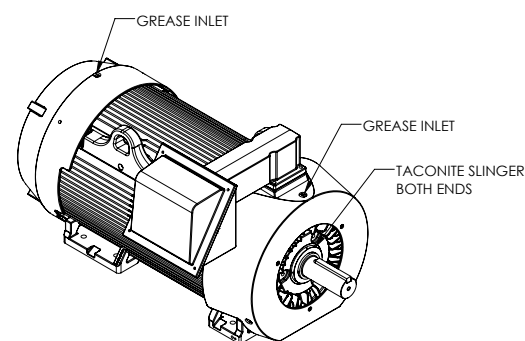
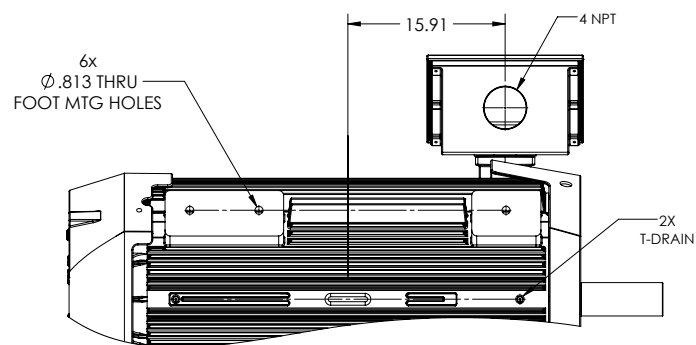
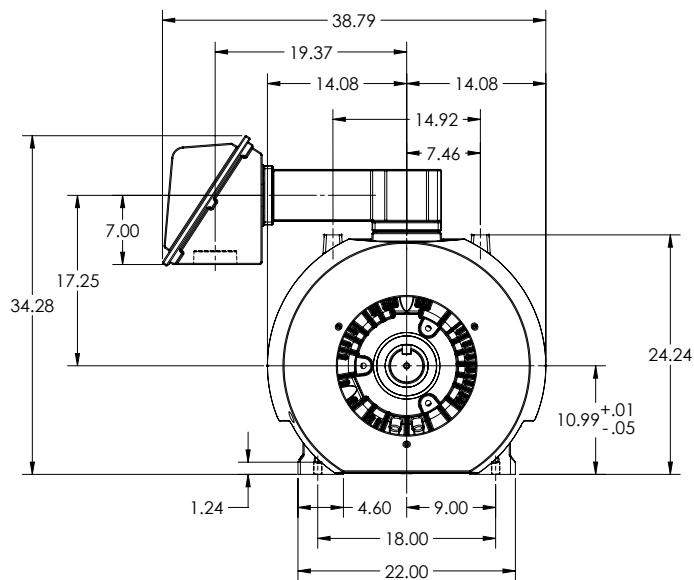
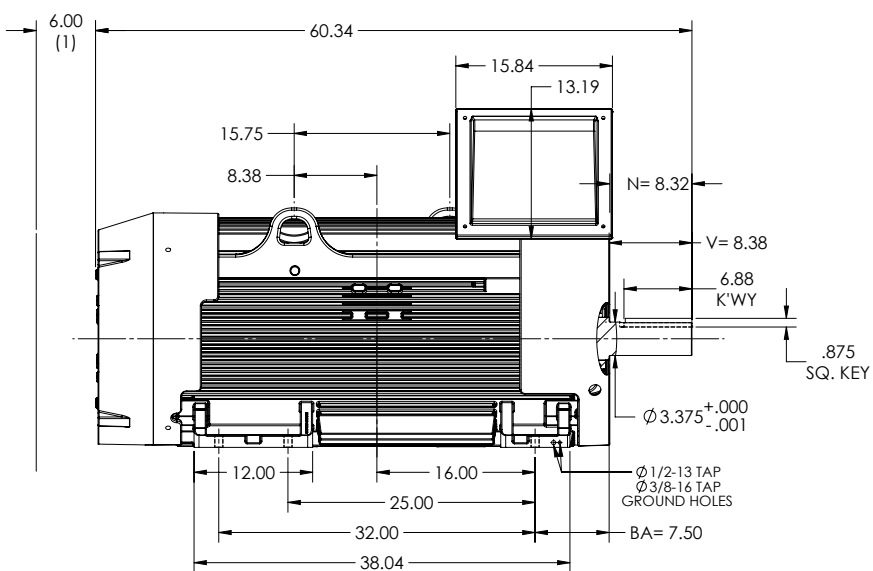
INCLUDE G449T FRAME MOUNTING HOLES
STD CAST IRON C/BOX, TOP DRIVE END
WITH TACONITE SLINGERS

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1

COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY



1. OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET.
2. MOTOR WEIGHT (LBS)=3850 ± 15% DEPENDS ON RATING.
3. IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
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: NEW	VERSION: 00	REVISED: 12-28-44 11/02/2023	TDR: 000001219171
MODEL NO. 617439-185	BY: ENSTEKO		

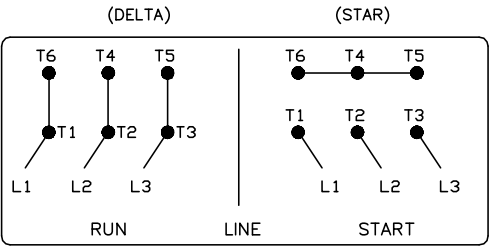
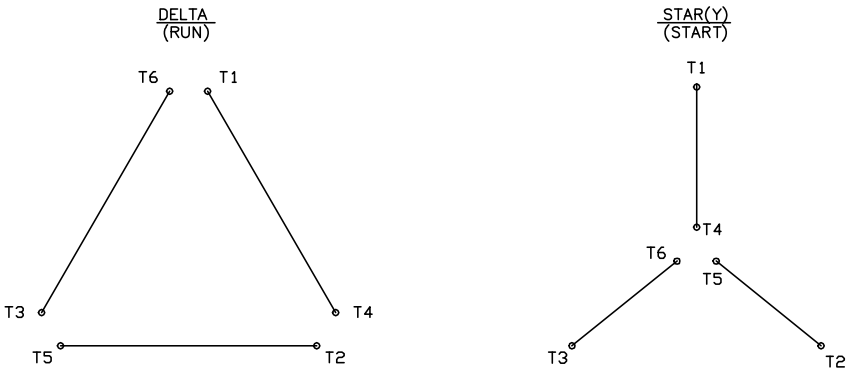
BALDOR

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

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

416820-008