



Customer information packet

SPM4406T-4

150HP, 1790RPM, 3PH, 60HZ, 447T, A4496M, TEFC

Class - CLI GP A,B,C,D; CLII GP F,G

Division - Division II

Specifications

Enclosure	TEFC
Frame	447T
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	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV CURUSEEV NEMA PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	170.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	170.0 a
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	H
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 1 AWG
Motor Standards	NEMA

Part detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6732
Layout	617439-175
Eff. date	01-15-2025
CD Diagram	416820-036
Poles	04
Leads	3#1/0 Y
Proprietary	False
Created date	09-25-2023

Motor Type	A4496M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	48.46 IN
Power Factor	85
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1790 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP4562L

CAT NO	SPM4406T-4			SPEC NO.		A44-5011-6732			I.P.		55				
HP	150	AMPS	173		VOLTS		460		DESIGN		A				
FRAME SIZE	447T	RPM	1790		MAX RPM		2700	HZ	60	AMB	40				
D.E. BRG.	90BC03J30X			PH.3	3	DUTY	CONT		INSUL.CLASS		F				
O.D.E. BRG.	90BC03J30X			TYPE P		P	ENCL	TEFC	SF	1.15	CODE	J			
POWER FACTOR	84	MAX CORR KVAR			36		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		T3
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	63.4		LBFT2		SL HZ		0.33		MAG CUR		61.5	
SER.NO.				MEETS INTENT OF IEEE-45						FOR WEATHER PROTECTION					

DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED

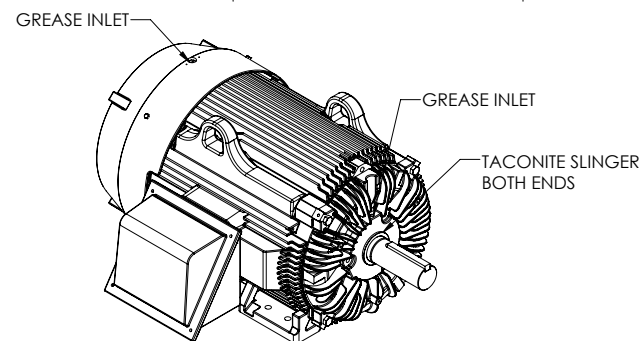
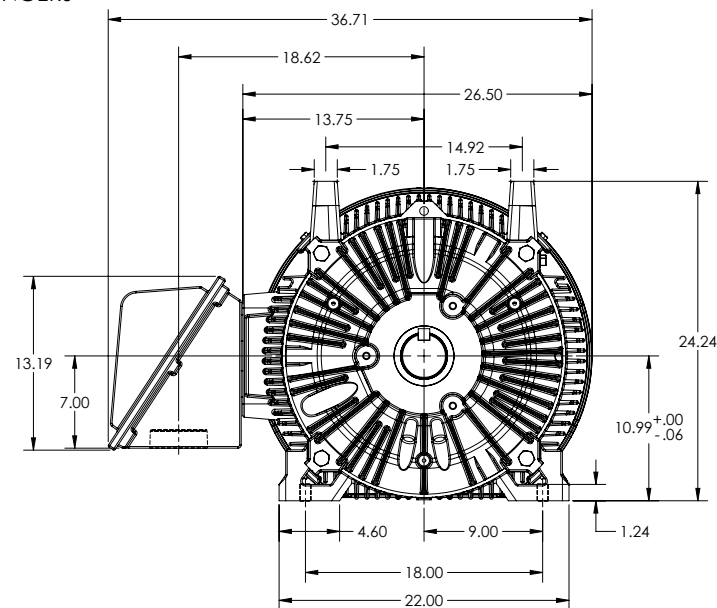
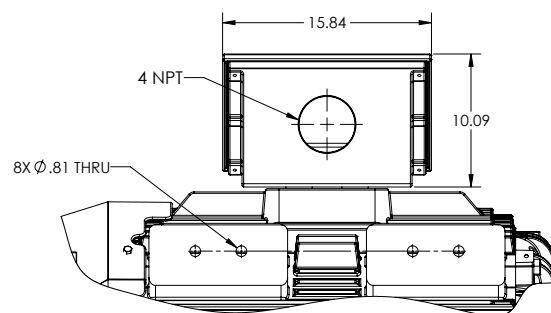
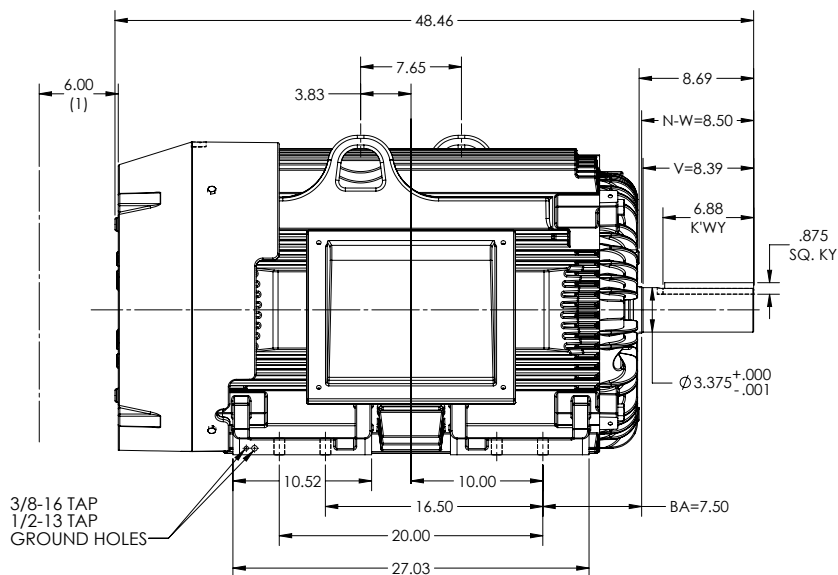
MOUNTING: FOOT, F-1

SQUIRREL-CAGE INDUCTION

FRAME G447T
INCLUDES G445T FRAME MOUNTING HOLES
WITH TACONITE SLINGERS

COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY



WEIGHT (LBS): 2515 - MAY VARY BY 15% DEPENDING ON RATING

DIMENSIONS ARE IN INCHES

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

(1) OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

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.

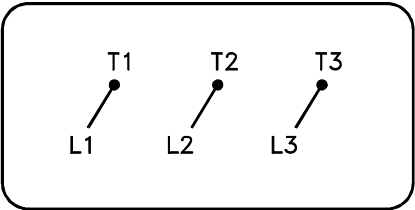
REV. DESC: NEW			
REV: .	VERSION: 00	REVISED: 11:49:01 10/11/2023	TDR: 00000121352
MODEL NO. 617439-175			REF:
BY: ENSTEK0		Material:	

BALDOR

G447/445T TEFC F1 FT CAST IRON BOX DIV 2 CL 2

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		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11: 54: 06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1