



Customer information packet

SPM4406TR-4

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

PFC EQUIPMENT INC

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
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
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
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 1 AWG

Part detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6732
Layout	617439-176
Eff. date	08-22-2024
CD Diagram	416820-036
Poles	04
Leads	3#1 Y
Proprietary	False
Created date	09-18-2023

Motor Standards	NEMA
Motor Type	A4496M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	44.97 IN
Power Factor	85
Product Family	General Industrial
Pulley End Bearing Type	Roller
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	
MOBILITH SHC 220	

NP4562L

CAT NO	SPM4406TR-4		SPEC NO.		A44-5000-6732			I.P.		55						
HP	150	AMPS	170		VOLTS		460		DESIGN		A					
FRAME SIZE	447T	RPM	1790		MAX RPM		2700	HZ	60	AMB	40			°C		
D.E. BRG.	110RU02M30X		PH.3	3	DUTY	CONT		INSUL.CLASS		H						
O.D.E. BRG.	90BC03J30X		TYPE P		P	ENCL	TEFC	SF	1.15	CODE	H					
POWER FACTOR	85	MAX CORR KVAR		33.5		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	63.4	LBFT2		SL HZ	0.3	MAG CUR		67					
SER.NO.			MEETS INTENT OF IEEE-45				FOR WEATHER PROTECTION									

Parts list

Part number	Description	Quantity
SA420271	SA A44-5000-6732	1.000 ea
RA412230	RA A44-5000-6732	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
089490099AA	G28 BRKT 089490098WCA	1.000 ea
415072001B	CLAMP	1.000 ea
083199082RA	G28 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 ea
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 ea
078548001R	FAN KB 234/150 (84) 400	1.000 ea
004824015AP	GREASE MOBILITH SHC 220	1.160 lb
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
418151014G	RETAIN RING	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
415044053AX	SLINGER,DE 6318 G440	1.000 ea
032620016KB	HSHSS; 1/4X1/2	2.000 ea
034690005AB	PPLG 3/4 PLATED	2.000 ea
032620016LA	SOCKET SET SCREW-449	3.000 ea
034530064BB	P/NIP 1/4X8 PLATED	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 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
415915007G	GASK, LAC	1.000 ft

418151014H	RETAIN RING	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 ea
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 ea
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 ea
034017013AB	LCKW 5/16 STD. PLATED	3.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
034530036AB	P/NIP 1/8 X4-1/2 Yellow Zinc46114-BM	1.000 ea
415044054AX	SLINGER,DE NU222 G440	1.000 ea
415030009AX	BUSH	1.000 ea
034530036BB	P/NIP 1/4X4-1/2 GALV.	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
406056007A	GASKET, 440	1.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
067053001C	GASK 440	1.000 ea
032018008DK	HHCS 1/2-13X1 PLATED	4.000 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
076870000B	+CBCST BLKT - 440	1.000 ea
076871000A	+CBOX CVR BLKT - 449	1.000 ea
MG1050Y01	CELEROL BALDOR GOLD *** NLA IN 5 GALLON	0.250 ga
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180054KA	7/8 SQ X 6.75 KEY	1.000 ea
604797056	400-447 FRAME 60 X 42	1.000 ea
032510024D	CARRIAGE BOLT - 444	2.000 ea
034001014AB	FLAT WASHER 3/8"PLATED	2.000 ea
LB1636	LABEL, SUPER PREMIUM SP4, 1.75 X 1.75	1.000 ea
000692000RT	N/P	1.000 ea
034001016AB	WSHR .562ID 1.375OD .109	2.000 ea

033300014AC	HEX NUT, SHIPPING - 400	2.000 ea
604799003C	PLASTIC BAG 42X32X46	1.000 ea
604797001R	440 FR. ROLLER BEARING MOTOR SHAFT	1.000 ea
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	1.000 ea
034001016AB	WSHR .562ID 1.375OD .109	1.000 ea
034001014AB	FLAT WASHER 3/8"PLATED	1.000 ea

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

FRAME G447T

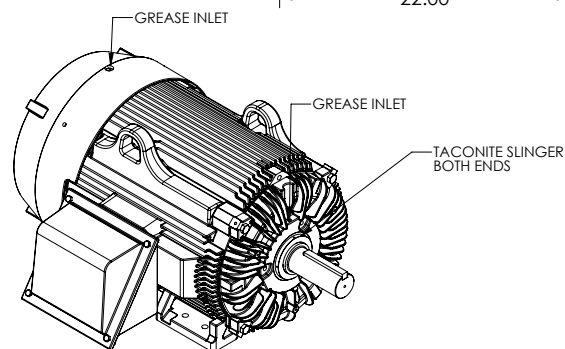
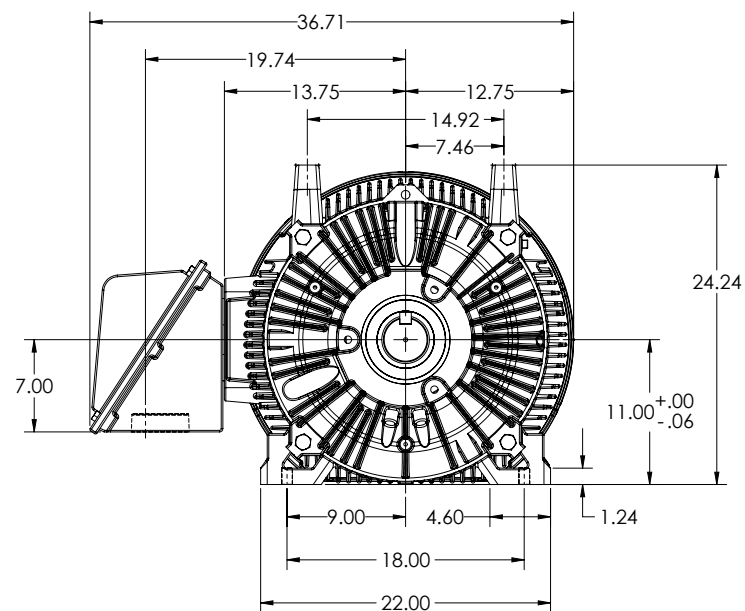
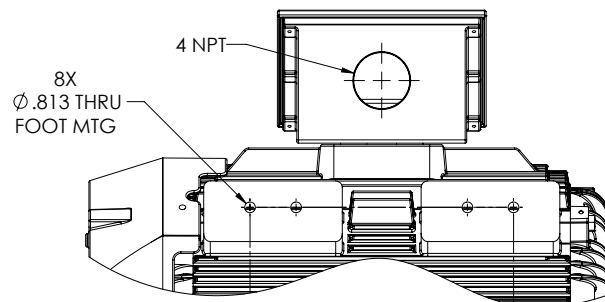
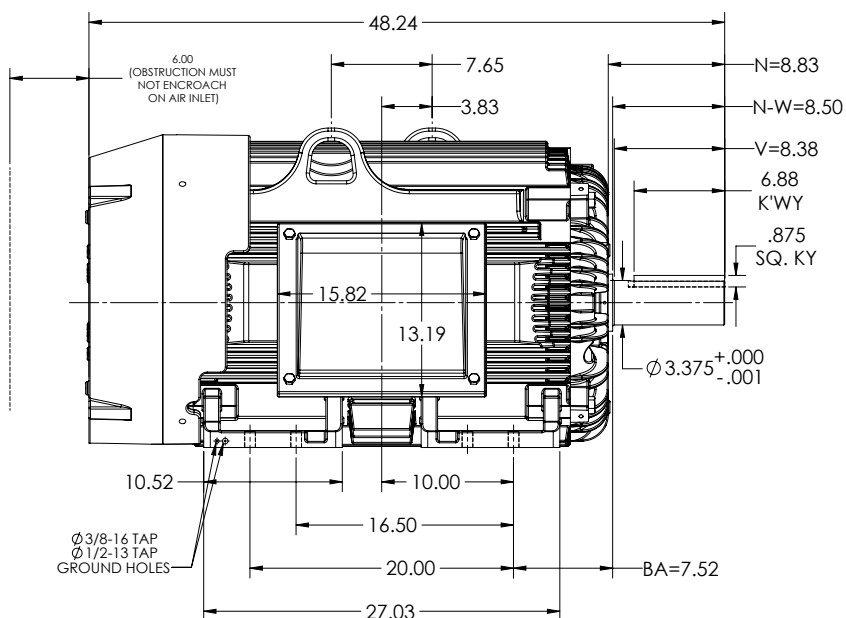
INCLUDES G445T FRAME MOUNTING HOLES
WITH TACONITE SLINGERS

COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY

ENCLOSURE: TOTALLY ENCLOSED

MOUNTING: FOOT, F-1



WEIGHT= 2515 LBS $\pm$ 15% DEPENDING ON RATING.

DIMENSIONS ARE IN INCHES

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

REV. DESC: NEW

REV: .	VERSION: 00
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MODEL NO. 617439-176

BY:ENSTEK0

VERSION: 00

617439-176

KO

REVISÉ: 02:12:36 10/06/202

[illegible]

3	TDR: 000001213524
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REF:	
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BALDOR

1930 年，吳清源（左）與 謝榮（右）對弈。謝榮，廣東人，廣東棋院院長。1932 年，謝榮與 謝榮（右）對弈。謝榮，廣東人，廣東棋院院長。1932 年，謝榮與 謝榮（右）對弈。謝榮，廣東人，廣東棋院院長。

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

SHEET NUMBER
1 OF 1

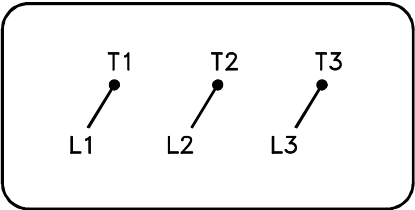
617439-176

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.

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