



Customer information packet

SPM4412T-4

125HP, 3570RPM, 3PH, 60HZ, 444TS, A4468M, TEFC

PFC EQUIPMENT INC

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

Division - Division II

Specifications

Enclosure	TEFC
Frame	444TS
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	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV CURUSEEV NEMA PREMIUM NEMA_PREMIUM
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	137.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	137.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Max Speed	4500 rpm

Part detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3534
Layout	617439-173
Eff. date	08-22-2024
CD Diagram	416820-036
Poles	02
Leads	3#2 (02 per group)
Proprietary	False
Created date	09-27-2023

Motor Lead Quantity/Wire Size	6 @ 2 AWG
Motor Standards	NEMA
Motor Type	A4468M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	41.08 IN
Power Factor	89
Product Family	Fan - Centrifugal
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3570 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP4562L

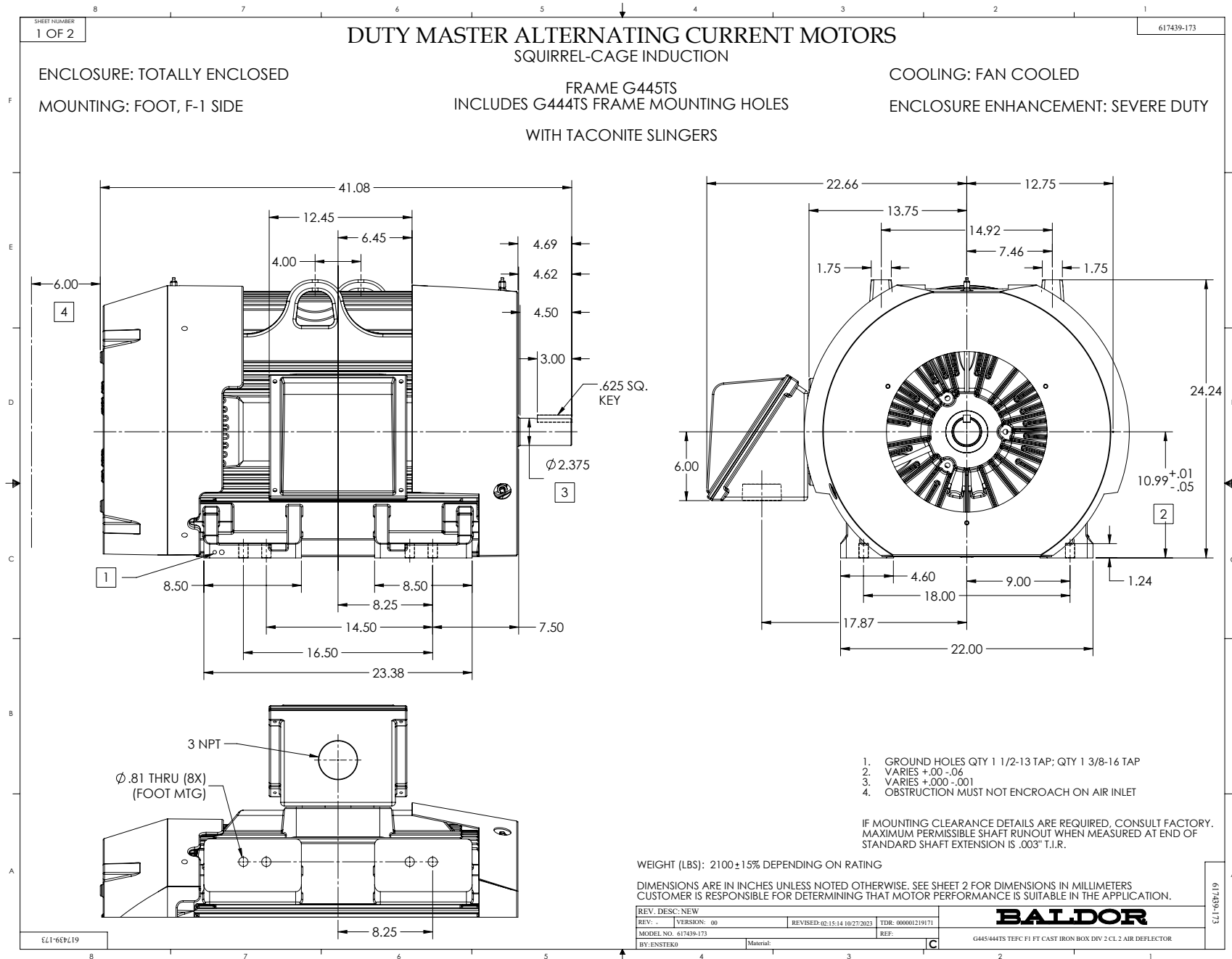
CAT NO	SPM4412T-4		SPEC NO.		A44-5011-3534			I.P.		55					
HP	125	AMPS	137		VOLTS		460		DESIGN		B				
FRAME SIZE	444TS	RPM	3570		MAX RPM		4500	HZ	60	AMB	40	°C			
D.E. BRG.	65BC03J30X		PH.3	3	DUTY	CONT		INSUL.CLASS		F					
O.D.E. BRG.	65BC03J30X		TYPE P		P	ENCL	TEFC	SF	1.15	CODE	F				
POWER FACTOR	89	MAX CORR KVAR		18		NEMA NOM EFFICIENCY				95		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	75	
ID LOGO	1.0 SF VPWM		WK2		LBFT2	SL HZ	0.5		MAG CUR		33.7				
SER.NO.			MEETS INTENT OF IEEE-45						FOR WEATHER PROTECTION						

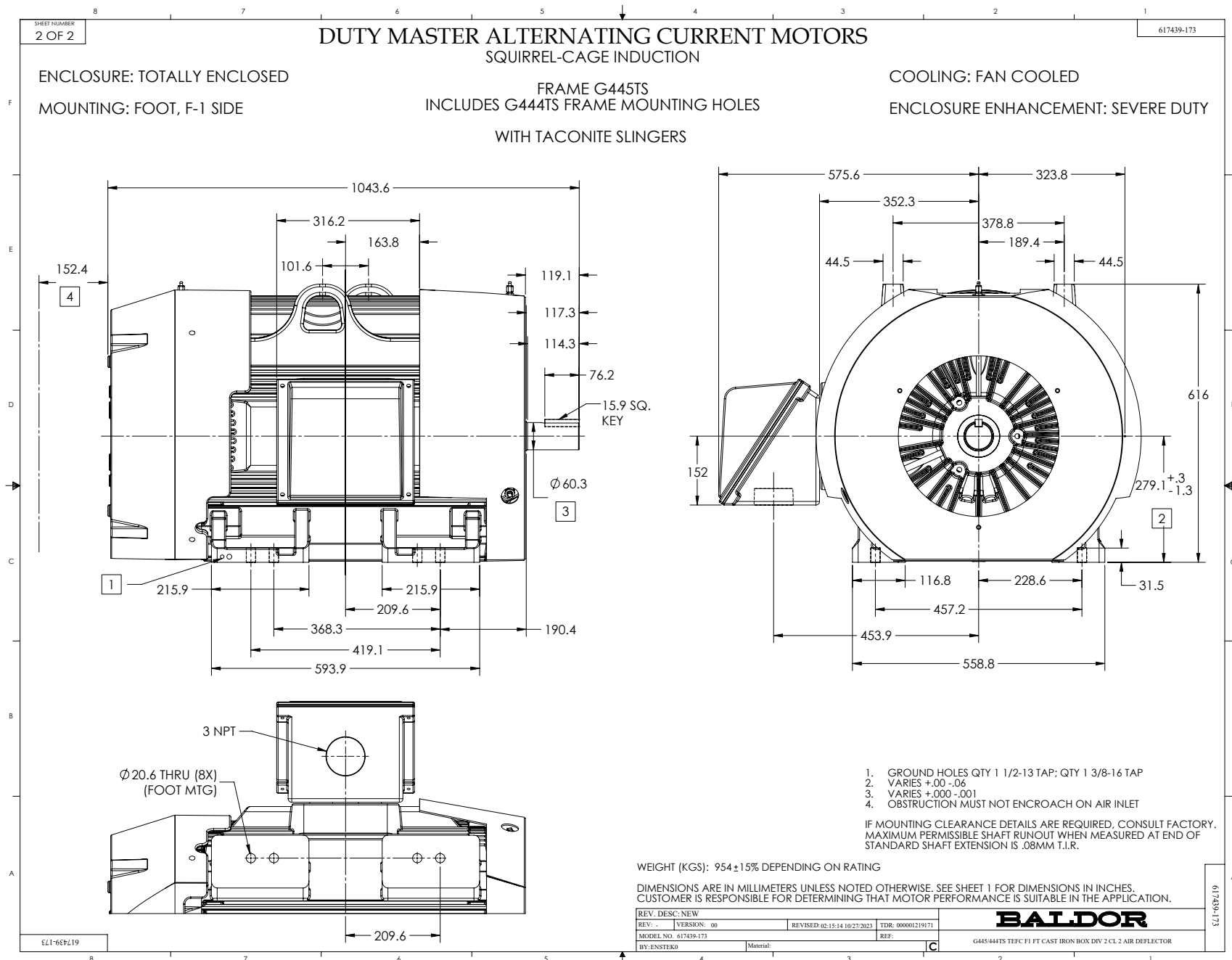
Parts list

Part number	Description	Quantity
SA422821	SA A44-5011-3534	1.000 ea
RA414828	RA A44-5011-3534	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
089490097N	BRKT 089490102WCA	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
702675001D	FAN 250-440	1.000 ea
004824015A	GREASE POLYREX EM	1.000 lb
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
032018022CK	HHCS 3/8-16X2-3/4 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
415044052AX	SLINGER,DE 6313 G400	1.000 ea
410700004F	WSHR	1.000 ea
423709011C	WASHER	3.000 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
032620016KB	HSRSS; 1/4X1/2	2.000 ea
032620016LA	SOCKET SET SCREW-449	3.000 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
702623012A	THERMAL BARRIER, G28	1.000 ea

032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 ea
034017013AB	LCKW 5/16 STD. PLATED	3.000 ea
089490097N	BRKT 089490102WCA	1.000 ea
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 ea
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 ea
415044052AX	SLINGER,DE 6313 G400	1.000 ea
032620016KB	HSRSS; 1/4X1/2	2.000 ea
423709011C	WASHER	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
032620016LA	SOCKET SET SCREW-449	3.000 ea
702623011RA	G28 AIR DEFLECTOR DRIVE END	1.000 ea
415915007K	GASK, 26" LAC	1.000 ea
076863091	CONDUIT BOX CAST IRON WITH A 3.0" NPT	1.000 ea
406056007A	GASKET, 440	1.000 ea
076864000A	CBCST BLKT - 440	1.000 ea
067053001C	GASK 440	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
MG1050Y01	CELEROL BALDOR GOLD *** NLA IN 5 GALLON	0.500 ga
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
032018018DK	HHCS 1/2-13X2-1/4 PLTD.	4.000 ea
415000103E	T/LUG #4AWG-1/0AWG W/HOLE FOR .375 BOLT	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018005CL	HHCS 3/8-16X5/8 BRONZE	1.000 ea
406055001B	GRFTG	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180024HA	KEY 5/8X5/8X3 L	1.000 ea
PK5948A01	CRATE ENCL EURO BASE 48X39-3/4X30-1/2	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

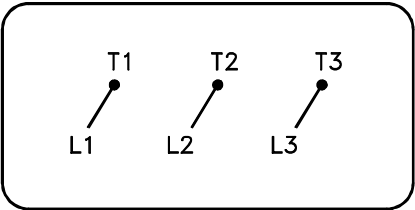
033300014AC	HEX NUT, SHIPPING - 400	2.000 ea
604799003C	PLASTIC BAG 42X32X46	1.000 ea
415038032A	SILICON PAPER	0.007 ea
LB1636	LABEL, SUPER PREMIUM SP4, 1.75 X 1.75	1.000 ea





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
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