



Customer information packet

SPM4410TS-4

125HP, 1790RPM, 3PH, 60HZ, 444TS, A4480M, TEFC

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	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	142.000 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	142.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG

Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6731
Layout	617435-912
Eff. date	01-22-2025
CD Diagram	416820-036
Poles	04
Leads	3#2
Proprietary	False
Created date	03-21-2024

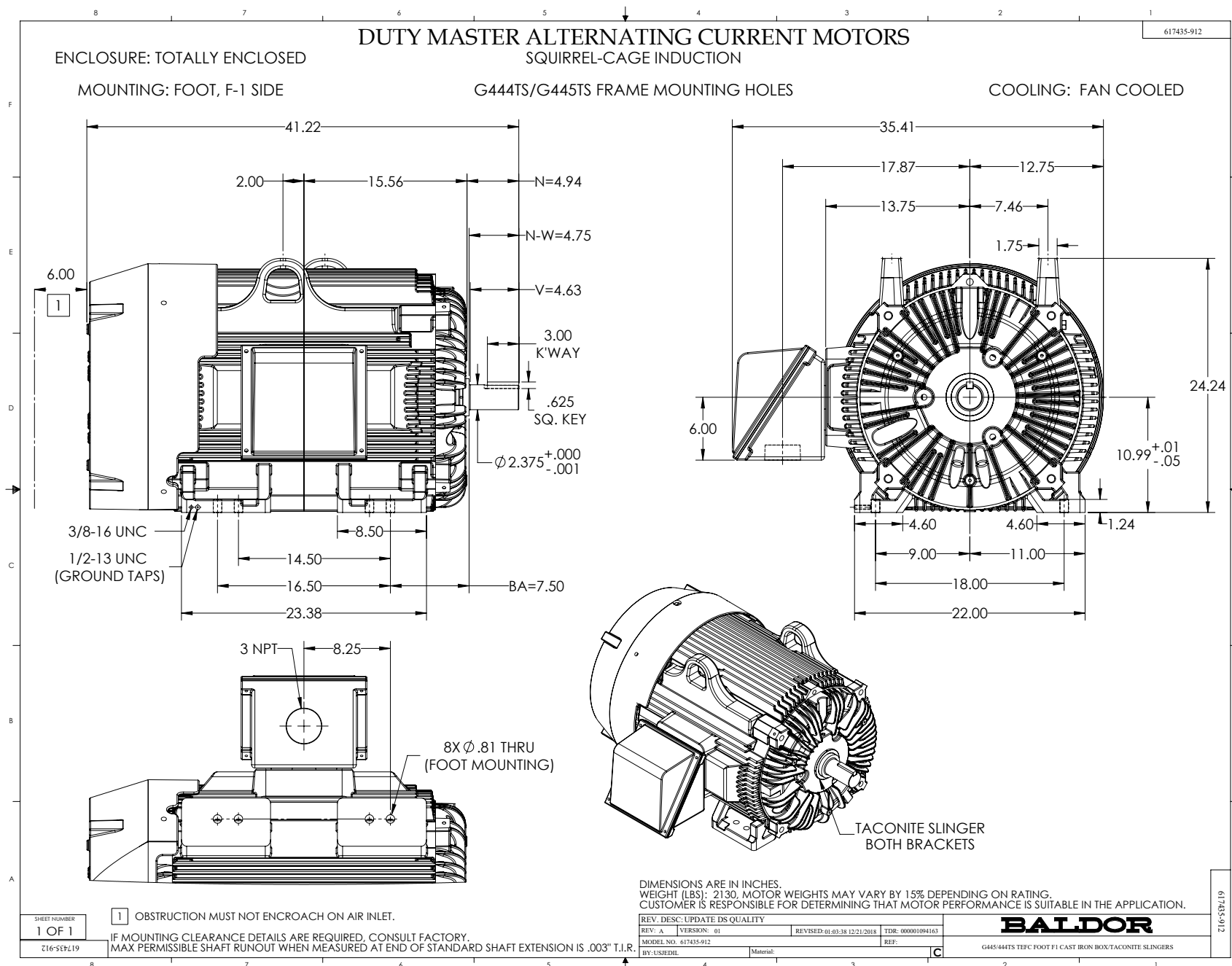
Motor Standards	NEMA
Motor Type	A4480M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	41.08 IN
Power Factor	86
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1790 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

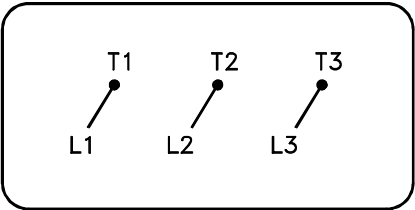
NP4562L

CAT NO	SPM4410TS-4		SPEC NO.		A44-5012-6731			I.P.		55						
HP	125	AMPS	142		VOLTS		460		DESIGN		A					
FRAME SIZE	444TS		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	H				
POWER FACTOR	86		MAX CORR KVAR		25.8		NEMA NOM EFFICIENCY				96.2		MOTOR WEIGHT		2285	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	52.8		LBFT2		SL HZ		0.41		MAG CUR		44.3		
SER.NO.				MEETS INTENT OF IEEE-45						FOR WEATHER PROTECTION						



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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