

ABB BALDOR RELIANCE III

Customer information packet

SPM4411T-4

125HP, 1190RPM, 3PH, 60HZ, L449T, A44176M, TEF

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	125.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV CCSAUSEEV NEMA PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	150.000 A @ 460.0 V
Design Code	B
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	150.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	3 @ 1 AWG

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6770
Layout	617439-183
Eff. date	01-22-2025
CD Diagram	416820-036
Poles	06
Leads	3#1
Proprietary	False
Created date	10-27-2023

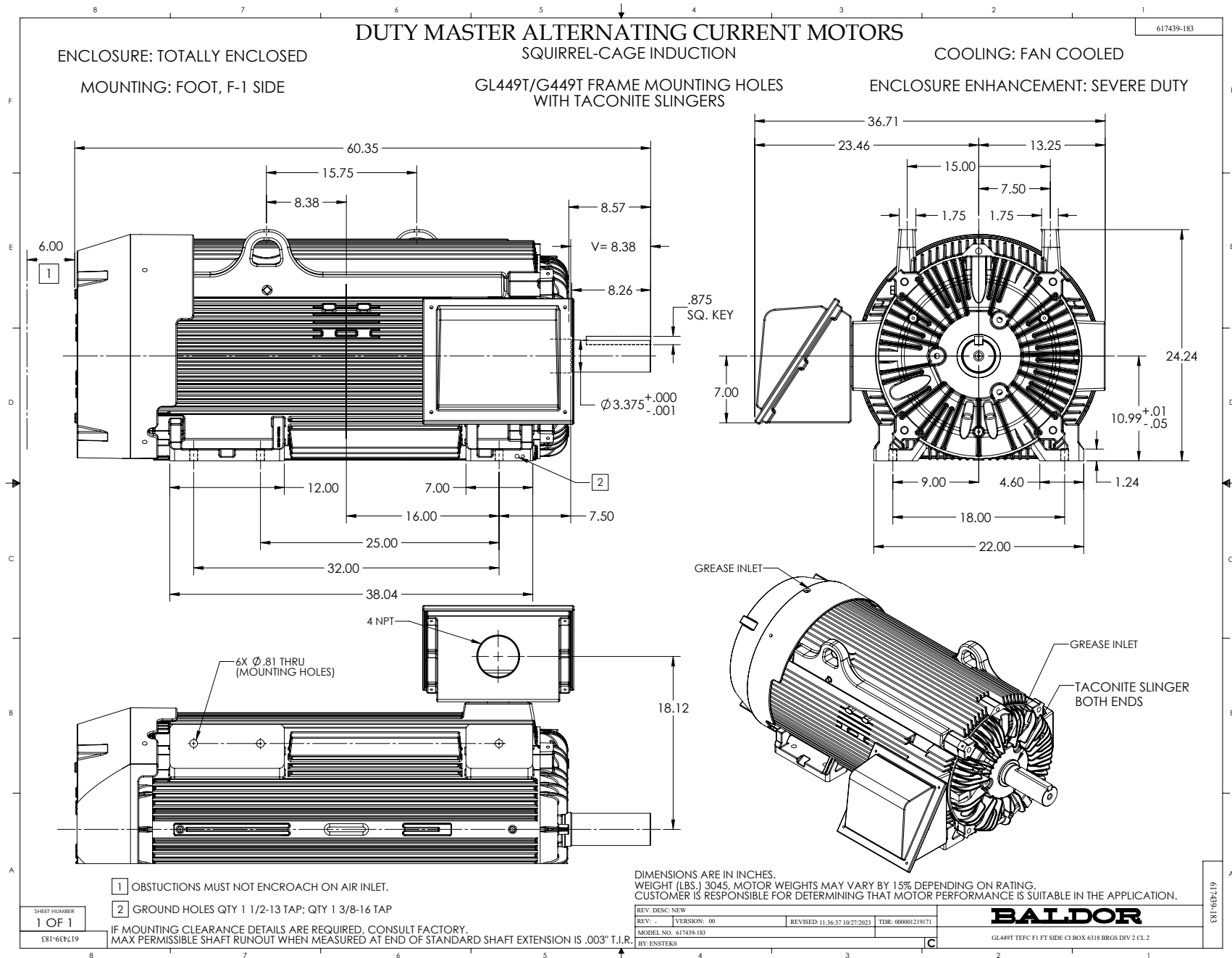
Motor Standards	NEMA
Motor Type	A44176M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	60.35 IN
Power Factor	85
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

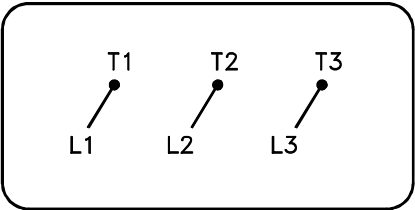
NP4562L

CAT NO	SPM4411T-4			SPEC NO.	A44-5000-6770				I.P.	55				
HP	125	AMPS	151		VOLTS	460		DESIGN	A					
FRAME SIZE	L449T	RPM	1195		MAX RPM	1800	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	K			
POWER FACTOR	81	MAX CORR KVAR			39	NEMA NOM EFFICIENCY				95.8	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	159.12	LBFT2		SL HZ	0.31		MAG CUR		60.2		
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
SH 1 of 1