



Customer information packet

SPM4408TR-4

250HP, 1790RPM, 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	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM CURUSEEV CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Current @ Voltage	280.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.5 %
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	280.0 a
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm

Part detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6739
Layout	617439-178
Eff. date	01-24-2025
CD Diagram	416820-036
Poles	04
Leads	3#1 (02 per group) Y
Proprietary	False
Created date	09-26-2023

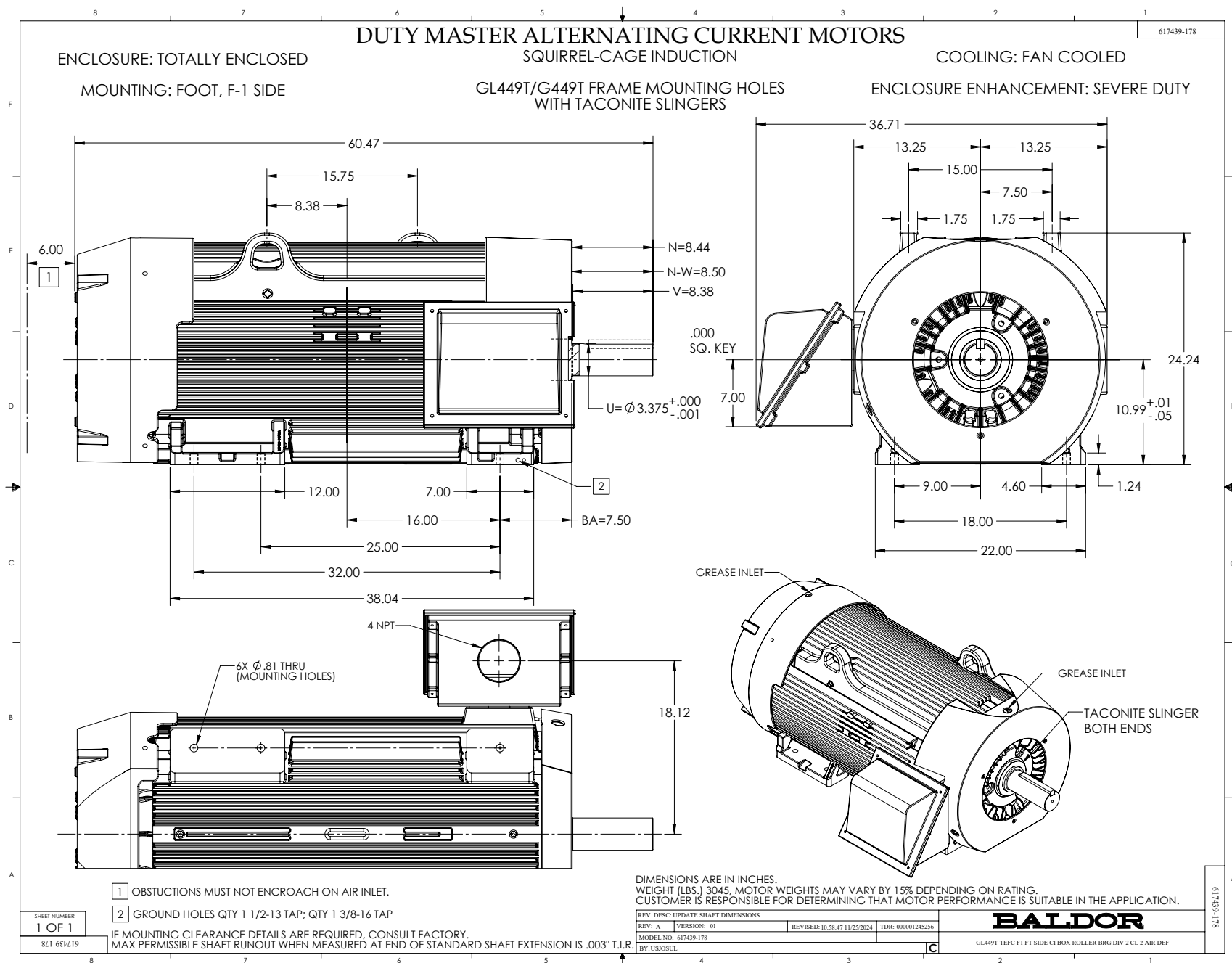
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44176M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	60.34 IN
Power Factor	86
Product Family	General Industrial
Pulley End Bearing Type	Roller
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1790 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL SHC -220 GREASE	

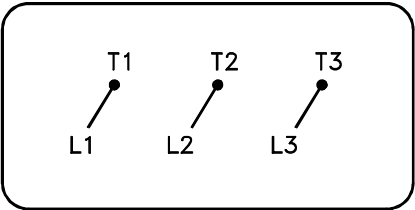
NP4562L

CAT NO	SPM4408TR-4			SPEC NO.			A44-5011-6739			I.P.			55															
HP	250		AMPS		280		VOLTS		460		DESIGN		A															
FRAME SIZE	L449T		RPM		1790		MAX RPM		2700		HZ		60		AMB		40											
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		J									
POWER FACTOR	86		MAX CORR KVAR			50.8			NEMA NOM EFFICIENCY					96.5			MOTOR WEIGHT					LBS						
CL.I,DIV 2,GRP:	A,B,C,D		T.CODE		T3		CL.1,ZONE 2,GRP:					IIA,IIB,IIC			T=		200		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		116		LBFT2		SL HZ		0.3		MAG CUR		99													
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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