

ABB BALDOR RELIANCE III

Customer information packet

SPM44252TS-4

250HP, 3575RPM, 3PH, 60HZ, 449TS, A44144M, TEF

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

Division - Division II

Specifications

Enclosure	TEFC
Frame	449TS
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I 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	3600 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	264.000 A @ 460.0 V
Design Code	B
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	264.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	6 @ 3/0 AWG
Motor Standards	NEMA

Part Detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5859
Layout	617439-177
Eff. date	01-22-2025
CD Diagram	416820-036
Poles	02
Leads	3#3/0 (02 per group)
Proprietary	False
Created date	12-18-2024

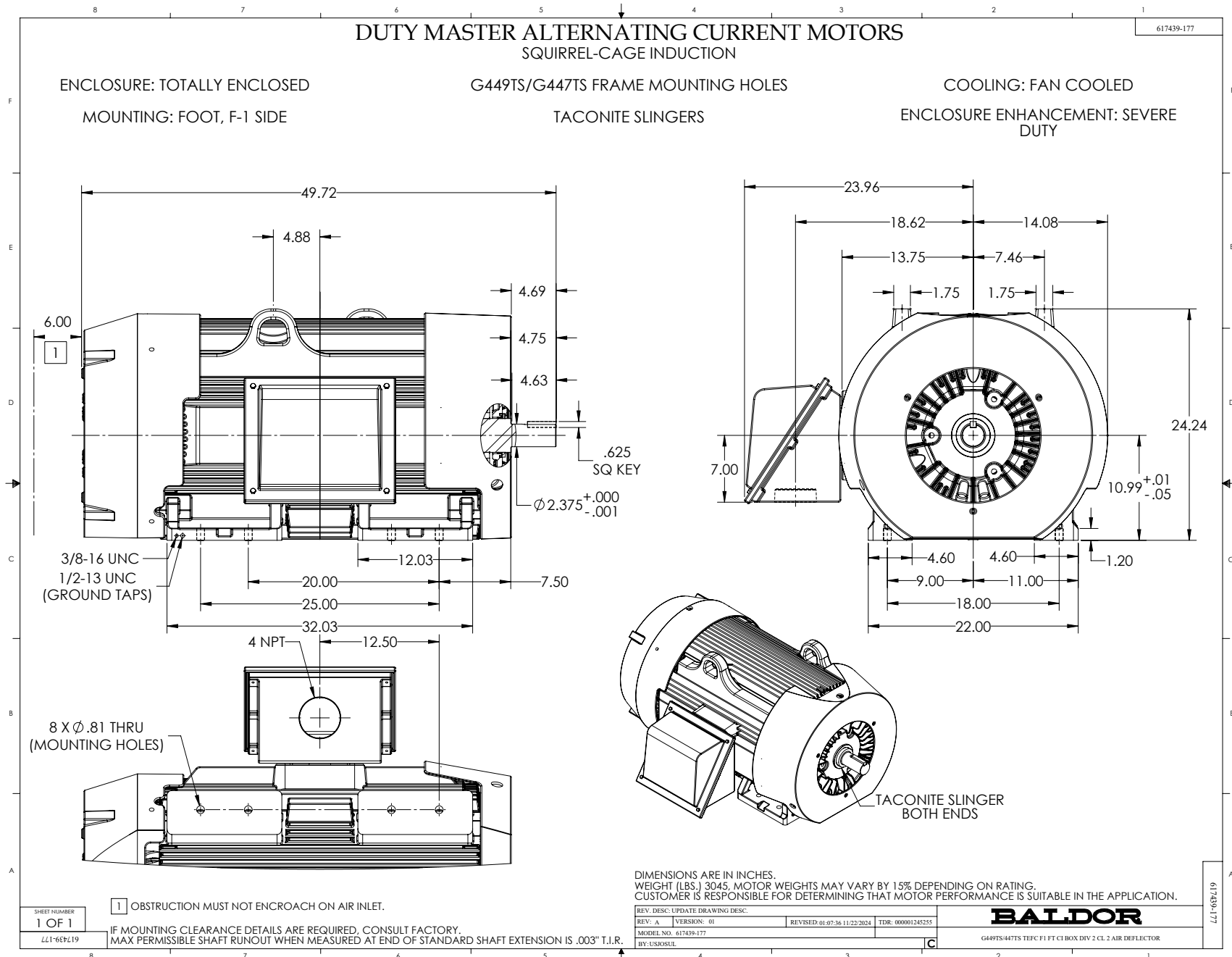
Motor Type	A44144M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	49.72 IN
Power Factor	91
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3575 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

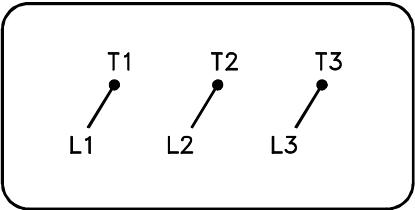
NP4562L

CAT NO	SPM44252TS-4			SPEC NO.	A44-5011-5859			I.P.	55					
HP	250	AMPS	264		VOLTS	460		DESIGN	B					
FRAME SIZE	449TS	RPM	3575		MAX RPM	4200	HZ	60	AMB	40				
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	G			
POWER FACTOR	91	MAX CORR KVAR		19	NEMA NOM EFFICIENCY				96.2	MOTOR WEIGHT		LBS		
CL.I,DIV 2,GRP:	A,B,C,D	T.CODE	T2D		CL.1,ZONE 2,GRP:				IIA,IIB,IIC	T=	215	INVERTER T.CODE	T2C	
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	70
ID LOGO	1.0 SF VPWM		WK2	36.8	LBFT2		SL HZ	0.44		MAG CUR		52.2		
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
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