ABB BALDOR RELIANCE

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

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11/21/2026 7:03:28 PM

Specifications

Enclosure	TEFC
Frame	449TS
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	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**										

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

617439-177

ENCLOSURE: TOTALLY ENCLOSED

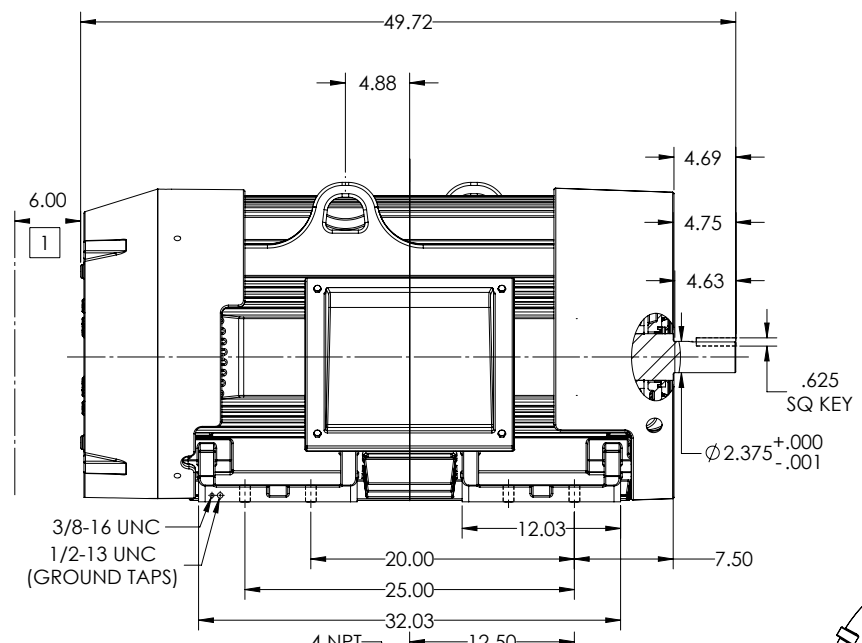
MOUNTING: FOOT, F-1 SIDE

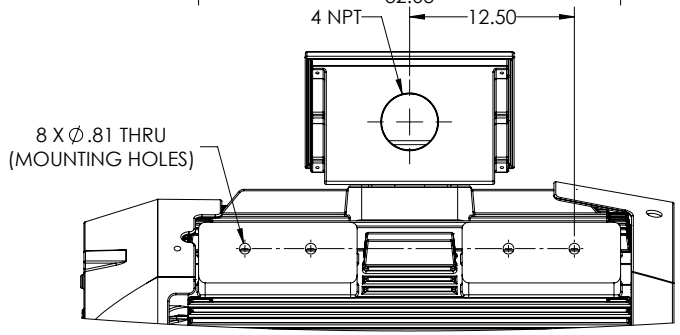
G449TS/G447TS FRAME MOUNTING HOLES

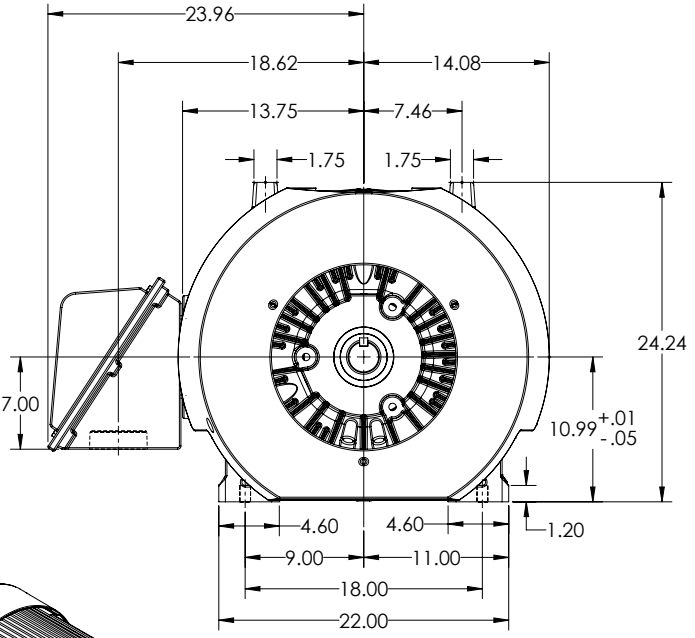
TACONITE SLINGERS

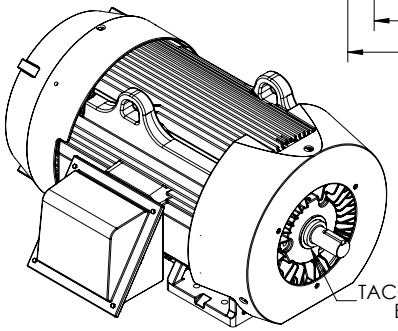
COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY









1 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

DIMENSIONS ARE IN INCHES.
WEIGHT (LBS.) 3045, MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER 1 OF 1

617439-177

REV. DESC: UPDATE DRAWING DESC.
REV: A | VERSION: 01 | REVISED: 01:07:36 11/22/2024 | TDR: 000001245255
MODEL NO. 617439-177
BY: USJOSUL

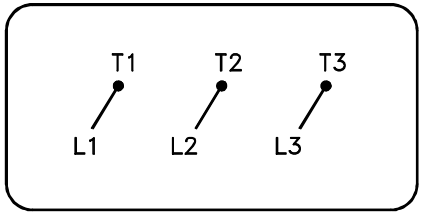
BALDOR

G449TS/447TS TEFC F1 FT CI BOX DIV 2 CL 2 AIR DEFLECTOR

617439-177

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			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1