ABB BALDOR RELIANCE

Customer information packet

SPM4406T-4

150HP, 1790RPM, 3PH, 60HZ, 447T, A4496M, TEFC
Class - CLI GP A,B,C,D; CLII GP F,G
Division - Division II

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/8/2026 10:21:10 PM

Specifications

Enclosure	TEFC
Frame	447T
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	150.000 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	173.000 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	173.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG
Motor Standards	NEMA

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6732
Layout	617439-175
Eff. date	01-15-2025
CD Diagram	416820-036
Poles	04
Leads	3#1/0 Y
Proprietary	False
Created date	09-25-2023

Motor Type	A4496M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	48.46 IN
Power Factor	84
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	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	SPM4406T-4			**SPEC NO.**	A44-5011-6732				**I.P.**	55								
HP	150	**AMPS**	173		**VOLTS**	460			**DESIGN**	A								
FRAME SIZE	447T	**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**	J							
POWER FACTOR	84		**MAX CORR KVAR**	36			**NEMA NOM EFFICIENCY**	96.2			**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**	63.4	**LBFT2**	**SL HZ**	0.33	**MAG CUR**	61.5										
SER.NO.				**MEETS INTENT OF IEEE-45**					**FOR WEATHER PROTECTION**									

SHEET NUMBER 1 OF 1

617439-175

DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED

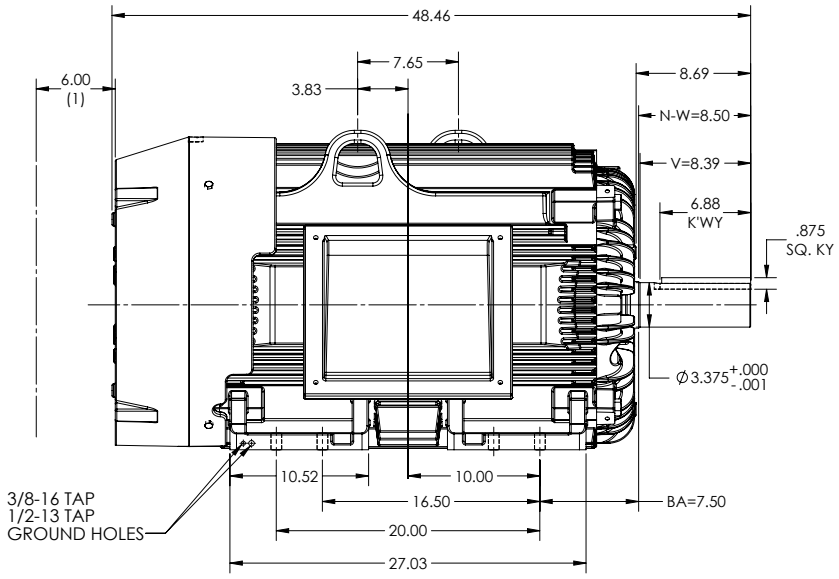
SQUIRREL-CAGE INDUCTION

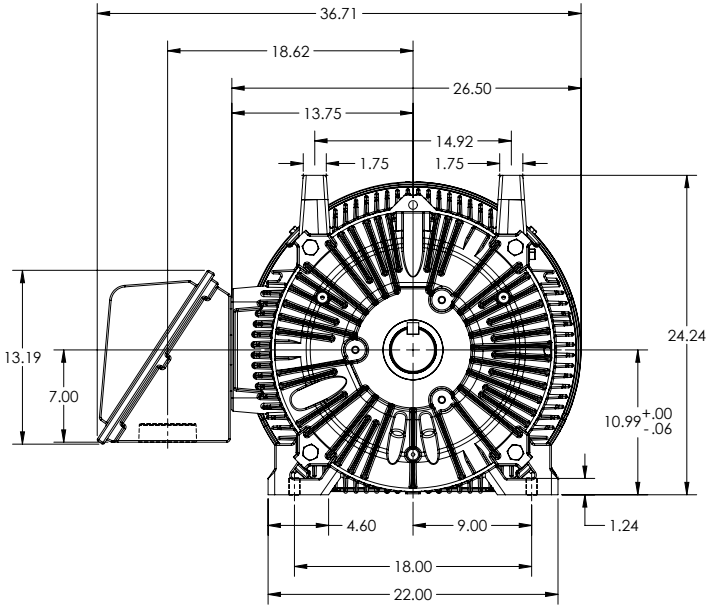
COOLING: FAN COOLED

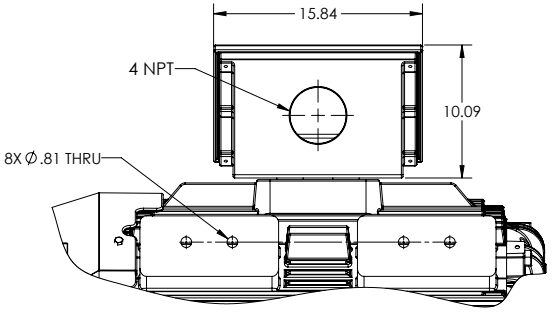
MOUNTING: FOOT, F-1

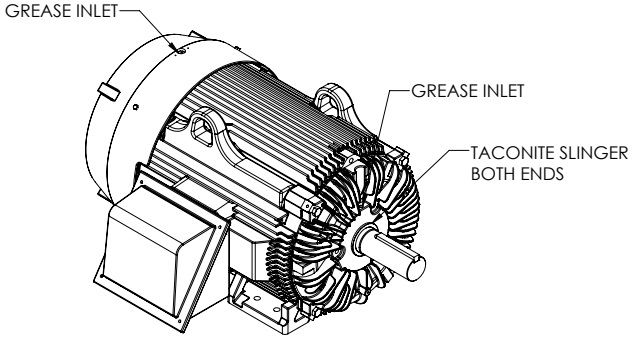
FRAME G447T
INCLUDES G445T FRAME MOUNTING HOLES
WITH TACONITE SLINGERS

ENCLOSURE ENHANCEMENT: SEVERE DUTY









WEIGHT (LBS): 2515 - MAY VARY BY 15% DEPENDING ON RATING

DIMENSIONS ARE IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

(1) OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

REV. DESC: NEW			
REV: -	VERSION: 00	REVISED: 11:49:01 10/11/2023	TDR: 000001213524
MODEL NO. 617439-175			REF:
BY: ENSTEK0	Material:		C

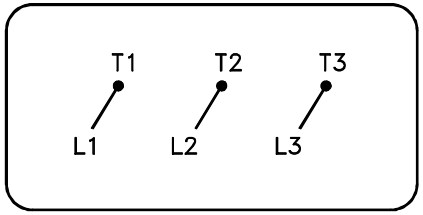
BALDOR

G447/445T TEFC F1 FT CAST IRON BOX DIV 2 CL 2

617439-175

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