

ABB BALDOR RELIANCE III

Customer information packet

SPM44304T-4

300HP, 1790RPM, 3PH, 60HZ, L449T, A44192M, 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	CL I GP A,B,C,D; CLII GP F,G
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	300.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	NEMA PREMIUM 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	342.000 A @ 460.0 V
Design Code	B
Duty Rating	CONT
Efficiency @ 100% Load	96.8 %
Feedback Device	NO FEEDBACK
Frame Prefix	L
Heater Indicator	No Heater
High Voltage Full Load Amps	342.0 a
Insulation Class	H
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6743
Layout	617439-179
Eff. date	01-28-2025
CD Diagram	416820-036
Poles	04
Leads	3#1 (04 per group) Y
Proprietary	False
Created date	10-19-2023

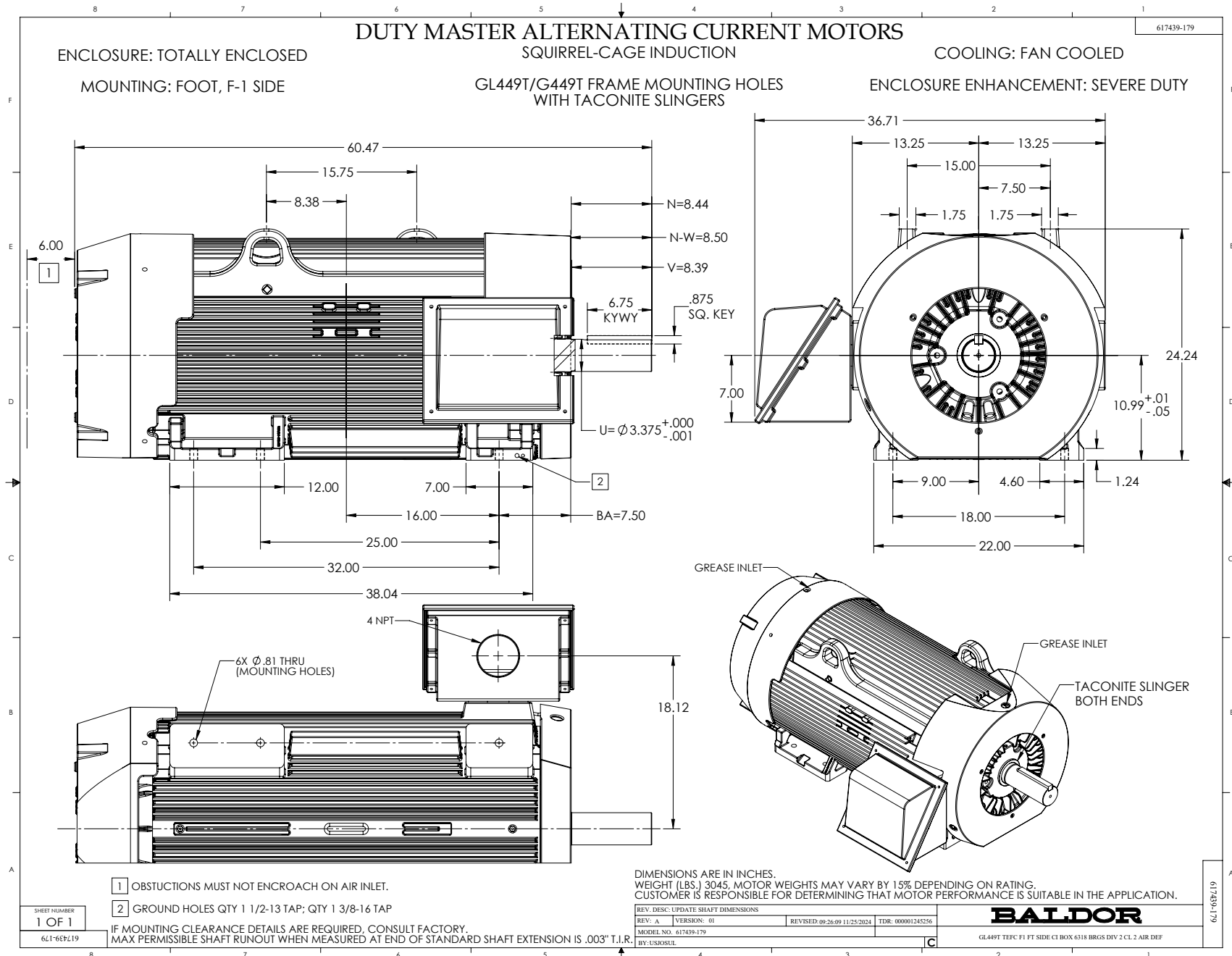
Motor Lead Quantity/Wire Size	12 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44192M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	60.35 IN
Power Factor	86
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft 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	

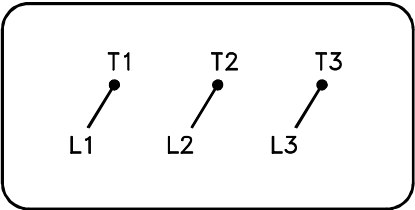
NP4562L

CAT NO	SPM44304T-4			SPEC NO.	A44-5000-6743				I.P.	55				
HP	300	AMPS	342		VOLTS	460		DESIGN	A					
FRAME SIZE	L449T	RPM	1790		MAX RPM	2700	HZ	60	AMB	40				
D.E. BRG.	90BC03J30X		PH.3	3	DUTY	CONT		INSUL.CLASS		H				
O.D.E. BRG.	90BC03J30X			TYPE P	P	ENCL	TEFC	SF	1.15	CODE	H			
POWER FACTOR	86	MAX CORR KVAR		62	NEMA NOM EFFICIENCY				96.8		MOTOR WEIGHT	LBS		
CL.I,DIV 2,GRP:	A,B,C,D	T.CODE	T2C		CL.1,ZONE 2,GRP:				IIA,IIB,IIC	T=	230	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	90
ID LOGO	1.0 SF VPWM		WK2	126	LBFT2		SL HZ	0.3		MAG CUR		133		
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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