

ABB BALDOR RELIANCE III

Customer information packet

SPM4416TS-4

200HP, 3575RPM, 3PH, 60HZ, 449TS, A44128M, 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	CLI GP A,B,C,D; CLII GP F,G
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	200.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	213.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	213.0 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

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5869
Layout	617439-177
Eff. date	04-24-2025
CD Diagram	416820-036
Poles	02
Leads	3#3/0 (02 per group)
Proprietary	False
Created date	12-09-2024

Motor Standards	NEMA
Motor Type	A44128M
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

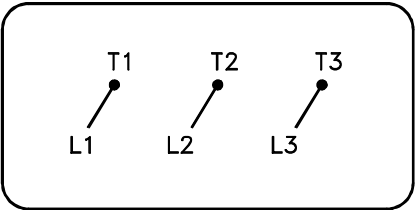
NP2496L	
MOBIL POLYREX EM	

NP4562L

CAT NO	SPM4416TS-4	SPEC NO.	A44-5000-5869	I.P.	55				
HP	200	AMPS	213	VOLTS	460	DESIGN	B		
FRAME SIZE	449TS	RPM	3575	MAX RPM	4200	HZ	60	AMB	40 C
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	17	NEMA NOM EFFICIENCY	95.8	MOTOR WEIGHT		LBS	
CL.I,DIV 2,GRP:	A,B,C,D	T.CODE	T3A	CL.1,ZONE 2,GRP:		IIA,IIB,IIC	T= 180	C	INVERTER T.CODE T3
CL.II,DIV 2,GRP:	F,G	T.CODE	T3C	CL II ZONE 22 GRPS IIIB		T=	160	C	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	33.1	LBFT2	SL HZ	0.39	MAG CUR	44.7	
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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