

ABB BALDOR RELIANCE III

Customer information packet

SPM4410TS-4

125HP, 1790RPM, 3PH, 60HZ, 444TS, A4480M, TEFC

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

Division - Division II

Specifications

Enclosure	TEFC
Frame	444TS
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	125.000 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	142.000 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	142.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG6731
Layout	617435-912
Eff. date	01-22-2025
CD Diagram	416820-036
Poles	04
Leads	3#2
Proprietary	False
Created date	03-21-2024

Motor Standards	NEMA
Motor Type	A4480M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	41.08 IN
Power Factor	86
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	1790 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

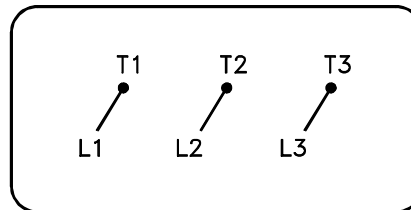
NP2496L
MOBIL POLYREX EM

NP4562L

CAT NO	SPM4410TS-4	SPEC NO.	A44-5012-6731		I.P.	55	
HP	125	AMPS	142	VOLTS	460	DESIGN	A
FRAME SIZE	444TS	RPM	1790	MAX RPM	2700	HZ	60
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	H		NEMA NOM EFFICIENCY	96.2		MOTOR WEIGHT	2285
POWER FACTOR	86	MAX CORR KVAR	25.8	INVERTER T.CODE	T3		
CL.I,DIV 2,GRP:	A,B,C,D	T.CODE	T3C	CL.1,ZONE 2,GRP:	IIA,IIB,IIC	T=	160
CL.II,DIV 2,GRP:	F,G	T.CODE	T3C	CL II ZONE 22 GRPS IIIB	T=	160	INVERTER T.CODE
ID LOGO	INV TYPE:	VPWM	CT	30	TO	60	VT
ID LOGO	1.0 SF VPWM	WK2	52.8	LBFT2	SL HZ	0.41	MAG CUR
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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