

ABB BALDOR RELIANCE III

Customer information packet

SPM4103T

25HP, 1780RPM, 3PH, 60HZ, 284T, 1076M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	284T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA CURUSEEV NEMA PREMIUM NEMA_PREMIUM WEEE
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	58.000 A @ 230.0 V 29.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	E
Type	AC
Mech. spec.	10T012
Base	
Status	PRD/A
Elec. spec.	10WZ890
Layout	10LYT012
Eff. date	04-17-2026
CD Diagram	CD0005
Poles	04
Leads	9#10 Y
Proprietary	False
Created date	10-03-2023

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	29.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1076M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	28.00 IN
Power Factor	82
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

Winding Thermal 2

None

Nameplate
NP4439B01C23L

CAT #	SPM4103T										SER #											CC	010A	WGT	490	LBS														
SPEC	10T012Z890										FRAME	284T											ENCL	TEFC	IP	55														
RATING	40C AMB-CONT																				NEMA NOM. EFF	94.5																		
HP	25											VOLTS	230/460																											
AMPS	58/29											RPM	1780											HZ	60															
PH	3	CL	F	CODE	J	DES	A	PF	82	%	SER.F.		1.15	SF AMP																										
DE BRG	6311											ODE BRG	6311											LUBE	POLYREX EM															
INV TYPE:	VPWM		SL HZ		0.8	CHP		60	TO	90	1.5:1																													
WK2	6.97	LBFT2		MAX RPM		2700	CT	6	TO	60	10:1																													
MAG CUR	22/11											VT	3	TO	60	20:1																								
																				MEETS INTENT OF IEEE-45										FOR WEATHER PROTECTION										
CL I DIV 2 GRPS A,B,C,D										TEMP CODE										T3C	CL I INV TEMP CODE										T3A	TEMP=	180							
CL I ZONE 2 GRPS										IIA,IIB,IIC										TEMP =	160	CL II INV TEMP CODE										T3A	TEMP =	180	C					
CL II DIV 2 GRPS F&G										TEMP CODE										T3C	1.0 SF ON PWM INVERTER										POWER									
CL II ZONE 22 GRPS IIIB										TEMP=										160																				

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