

ABB BALDOR RELIANCE III

Customer information packet

CSPM4111T

25HP, 1185RPM, 3PH, 60HZ, 324TC, 1272M, TEFC, F

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

Division - Division II

Specifications

Enclosure	TEFC
Frame	324TC
Frame Material	Cast 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	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA CURUSEEV 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	31.000 A @ 460.0 V 62.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C

Part Detail

Revision	B
Type	AC
Mech. spec.	12T118
Base	
Status	PRD/A
Elec. spec.	12WGZ342
Layout	12LYT118
Eff. date	04-17-2026
CD Diagram	CD0005
Poles	06
Leads	9#8
Proprietary	False
Created date	09-19-2024

Heater Indicator	No Heater
High Voltage Full Load Amps	31.0 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Quantity/Wire Size	9 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1272M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	30.71 IN
Power Factor	83
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1185 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 #	CSPM4111T										SER #											CC	010A	WGT	680	LBS			
SPEC	12T118Z342										FRAME	324TC										ENCL	TEFC	IP	55				
RATING	40C AMB-CONT																				NEMA NOM. EFF	94.1							
HP	25										VOLTS	230/460																	
AMPS	62/31										RPM	1185										HZ	60						
PH	3	CL	F	CODE	J	DES	A	PF	83	%	SER.F.		1.15	SF AMP															
DE BRG	6312										ODE BRG	6312										LUBE	POLYREX EM						
INV TYPE:	VPWM		SL HZ	0.8	CHP	60	TO	90	1.5:1																				
WK2	13.8		LBFT2	MAX RPM	1800	CT	6	TO	60	10:1																			
MAG CUR	29/14.5										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										T3	TEMP=	200				
CL I ZONE 2 GRPS										IIA,IIB,IIC	TEMP =	160		CL II INV TEMP CODE										T3	TEMP =	200		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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