

ABB BALDOR RELIANCE III

Customer information packet

SPM3711T

10HP, 3500RPM, 3PH, 60HZ, 215T, 3756M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	WEEE NEMA PREMIUM 4
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	10.300 A @ 460.0 V 20.600 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	10.3 a
Insulation Class	F

Part Detail

Revision	B
Type	AC
Mech. spec.	37T646
Base	
Status	PRD/A
Elec. spec.	37WGR482
Layout	37LYT646
Eff. date	07-02-2024
CD Diagram	CD0005
Poles	02
Leads	9#12
Proprietary	False
Created date	09-05-2023

Inverter Code	Inverter Duty
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	5400 rpm
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3756M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	20.52 IN
Power Factor	97
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3500 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

NP4423A01A01L														
CAT #	SPM3711T					WGT	187		LBS					
SPEC	37T646R482					ENCL	TEFC							
SER #						CC	010A		IP	54				
HP	10					MAG CUR	5.8/2.9							
VOLTS	230/460					NEMA NOM. EFF					91.7			
AMPS	20.6/10.3					PF	97							
RATING	40C AMB-CONT													
RPM	3500					MAX RPM		5400						
FRAME	215T		HZ	60		CODE	K		CLASS	F				
SER.F.	1.15		SF AMP				PH	3		DES	A			
DE	6307		ODE		6206									
LUBRICATION	POLYREX EM													
ID LOGO	INVERTER TYPE			VPWM		CHP	60		TO	90		1.5:1		
ID LOGO	WK2	0.512		CT	6		TO	60		10:1				
ID LOGO	SL HZ	1.7		VT	3		TO	60		20:1				
							QR							
YR														

