

ABB BALDOR RELIANCE III

Customer information packet

SPJMM3212T-G

5HP, 3490RPM, 3PH, 60HZ, 182JM, 3634M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	182JM
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	5.000 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
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	11.200 A @ 230.0 V 12.200 A @ 208.0 V 5.600 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.6 a
Insulation Class	H

Part Detail

Revision	B
Type	AC
Mech. spec.	36EE003
Base	
Status	PRD/A
Elec. spec.	36WGT826
Layout	36LYEE003
Eff. date	03-19-2026
CD Diagram	CD0005
Poles	02
Leads	9#16
Proprietary	False
Created date	08-11-2025

Inverter Code	Inverter Duty
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	5400 rpm
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.50 IN
Power Factor	93
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	0.875 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3490 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 #	SPJMM3212T-G					WGT	81		LBS					
SPEC	36EE003T826					ENCL	OPSB							
SER #						CC	010A		IP	23				
HP	5		MAG CUR			3.2/1.6								
VOLTS	230/460					NEMA NOM. EFF					91			
AMPS	11.2/5.6						PF	93						
RATING	40C AMB-CONT													
RPM	3490					MAX RPM			5400					
FRAME	182JM		HZ	60		CODE	L		CLASS	H				
SER.F.	1.25		SF AMP	14/7			PH	3		DES	A			
DE	6207			ODE		6205								
LUBRICATION	POLYREX EM													
ID LOGO	INVERTER TYPE				VPWM		CHP	60		TO	90		1.5:1	
ID LOGO	WK2	0.15		CT	6		TO	60		10:1				
ID LOGO	SL HZ	1.8		VT	3		TO	60		20:1				
							QR							
YR														

AC Induction Motor Performance Data

Record # 112307

Preliminary Data Sheet

Winding: 36WGT826-R012			Type: 3634M		Enclosure: OPSB		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		5	Full Load Torque		7.6 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		11.2/5.6	Breakdown Torque		41.6 LB-FT		
R.P.M.		3490	Pull-up Torque		26 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque		30.5 LB-FT		
NEMA Design Code		A	KVA Code		L	Starting Current	59.9 A
Service Factor (S.F.)		1.25	No-load Current		1.61 A		
NEMA Nom. Eff.		91	Power Factor		93	Line-line Res. @ 25°C	2.28 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		24°C
S.F. Amps		14/7	Temp. Rise @ S.F. Load		33°C		
			Locked-rotor Power Factor		43.5		
			Rotor inertia		0.152 lb-ft²		

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	63	83	90	93	94	95	94
Efficiency	87.7	91.2	91.6	91.1	90.1	88.3	90.1
Speed	3572	3546	3518	3490	3458	3423	3458
Line amperes	2.16	3.15	4.32	5.58	6.96	8.51	6.96

ABB Motors and Mechanical Inc.

WINDING # 36WGT826

Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 3490 RPM 460 V 3634M

TORQUES (LB-FT) : PO=41.6 PU=26 LR=30.5 LRA=59.9





