

ABB BALDOR RELIANCE III

Customer information packet

VJPFPM2542T

50//40HP, 3520//2930RPM, 3PH, 60//50HZ, 324J

Specifications

Enclosure	OPSB
Frame	324JP
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	50.000 HP @ 60 HZ 40.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 50 HZ
Voltage @ Frequency	190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	58.000 A @ 460.0 V 56.000 A @ 380.0 V 116.000 A @ 230.0 V 112.000 A @ 190.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	40WGX319
Layout	40LY-000-069
Eff. date	08-01-2023
CD Diagram	CD0104
Poles	02
Leads	12#8
Proprietary	False
Created date	02-09-2021

Heater Indicator	No Heater
High Voltage Full Load Amps	56.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4044M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.21 IN
Power Factor	87
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3520 rpm
Speed Code	Single Speed
Starting Method	Full Voltage
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3454L														
CAT.NO.	VJPFPM2542T				CUST P/N					I.P.		23		
SPEC.	40-0000-0204				SER.NO.					FRAME		324JP		
HZ	60	HP	50	RPM		3520		HZ	50	HP	40	RPM		2930
VOLTS	230/460			CODE	G		VOLTS		190/380			CODE	G	
AMPS	116/58			DES	B		AMPS		112/56			DES	B	
EFF	92.4	SER.F.	1.15	PF		87		EFF	91.7	SER.F.	1.15	PF		87
RATING	40C AMB-CONT				DE BRG		6312		GREASE		POLYREX EM			
BLANK					ODE BRG		6309		MTR. WT.		523			
					CLASS	F		PH	3					
					ENCL	OPSB		CC	010A					
HTR-VOLTS	HTR-AMPS		HTR-WATTS											



