

ABB BALDOR RELIANCE III

Customer information packet

FSWDM23933T-E

15HP, 1765RPM, 3PH, 60HZ, 254T, 3956M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Stainless Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 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	UR CSA
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	17.500 A @ 460.0 V 35.000 A @ 230.0 V 38.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	R
Type	AC
Mech. spec.	39E739
Base	
Status	PRD/A
Elec. spec.	39WGX682
Layout	39LYE739
Eff. date	11-18-2025
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	01-26-2018

High Voltage Full Load Amps	17.5 a
Insulation Class	H
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3956M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	24.18 IN
Power Factor	86
Product Family	WD All SS Encapsulated
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1765 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

NP4427AAA01																
CAT #	FSWDM23933T-E					WT	304		LBS							
SPEC	39E739X682G1					ENCL	TEFC									
SER #						CC	010A		IP	69						
HP	15					MAG CUR	14.2/7.1									
VOLTS	230/460										NEMA NOM. EFF	92.4				
AMPS	35/17.5										PF	86				
RATING	40C AMB-CONT															
RPM	1765										MAX RPM	2700				
FRAME	254T		HZ	60				CODE	G		CLASS	H				
SER.F.	1.15		SF AMP						PH	3		DES	A			
DE	6309					ODE	6309									
LUBRICATION	POLYREX EM															
ID LOGO					INVERTER TYPE		VPWM		CHP	60		TO	90		1.5:1	
ID LOGO	WK2	2.44		CT	30		TO	60		2:1						
ID LOGO	SL HZ	1.2		VT	6		TO	60		10:1						
								QR								
YR																

