

ABB BALDOR RELIANCE III

Customer information packet

ECS101M0K1P5DC4

1.5KW, 1500RPM, 3PH, 50HZ, D90C, 3524B, TEFC, B

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D90C
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Brushless Wound Field PM Rotor
Output @ Frequency	1.500 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	380.0 V @ 50 HZ 190.0 V @ 50 HZ
Agency Approvals	CE CULUS UKCA WEEE
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
Constant Torque Speed Range	5
Current @ Voltage	5.200 A @ 190.0 V 2.360 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.8 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D

Part Detail

Revision	C
Type	AC
Mech. spec.	35EE433
Base	
Status	PRD/A
Elec. spec.	35WGG983
Layout	35LYEE433
Eff. date	02-12-2026
CD Diagram	CD0005A25
Poles	04
Leads	9#16 Y
Proprietary	False
Created date	03-21-2024

Heater Indicator	No Heater
High Voltage Full Load Amps	2.4 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	N
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Terminal Block
Motor Standards	IEC
Motor Type	3524B
Mounting Arrangement	B14
Number of Poles	4
Overall Length	13.75 IN
Power Factor	99
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
RoHS Status	Y
Service Factor	1.00
Shaft Diameter	0.945 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1500 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

NP3968B01A01										
CAT.NO.	ECS101MOK1P5DC4									
SPEC.	35EE433G983				YR					
FRAME	D90C		IP	54	WT.		45			
KW	1.5	HZ	50	PH		3	DUTY-IPM		CONT	
INS CL	F	CLASS RISE			AMB-C		40			
EFF. CL	IE5	EFF	89.5		COSØ		99			
VOLTS	190/380		FLA		5.2/2.36					
1/MIN	1500			1/MIN MAX			4000			
BEMF (V)	121/242			RS (OHMS)			3.05/12.2			
LD (MH)	19.3/77			LQ (MH)			71.5/286			
VPWM	CP =		50	TO		100				
CT	5	TO	50	VT	1	TO	50			
MATCHED INV	ACS380-04XX-06A9-1 / 03A3-4									
DE	6206		ODE		6203					
SERIAL #										



