

ABB BALDOR RELIANCE III

Customer information packet

ECS101T3K0P8DC4

.75KW, 1500RPM, 3PH, 50HZ, D90C, 3516B, 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	.750 KW @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	380.0 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	1.400 A @ 380.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Frame Prefix	D
Heater Indicator	No Heater
High Voltage Full Load Amps	1.4 a

Part Detail

Revision	B
Type	AC
Mech. spec.	35EE435
Base	
Status	PRD/A
Elec. spec.	35WGG965
Layout	35LYEE435
Eff. date	11-15-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#14 13" LONG LEADS Y
Proprietary	False
Created date	04-16-2024

Insulation Class	F
Inverter Code	03
KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	IEC
Motor Type	3516B
Mounting Arrangement	B14
Number of Poles	4
Overall Length	12.84 IN
Power Factor	97
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
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.	ECS101T3K0P8DC4										
SPEC.	35EE435G965					YR					
FRAME	D90C		IP		55	WT.		36			
KW	.75	HZ		50		PH		3	DUTY-IPM		CONT
INS CL	F	CLASS RISE						AMB-C		40	
EFF. CL	IE5	EFF		89.2		COSØ			97		
VOLTS	380			FLA		1.4					
1/MIN	1500				1/MIN MAX				3000		
BEMF (V)	224			RS (OHMS)					19.7		
LD (MH)	117				LQ (MH)					544	
VPWM	CP =		50		TO		100				
CT	5	TO		50	VT		5	TO		50	
MATCHED INV	ECNI4A2P2										
DE	6206			ODE		6203					
SERIAL #											

NP3978A00					
PART NO.	ECNI4A2P2				
U1	400	PH	3	HZ	50
I1	1.8	W/EXT. CHOKE			1.5
SERIAL #					



