

ABB BALDOR RELIANCE III

Customer information packet

ECS101A3K0P8DF4

.75KW, 1500RPM, 3PH, 50HZ, D90S, 3516B, TEFC, B

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	D90S
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	Rigid
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	C
Type	AC
Mech. spec.	35E5479
Base	
Status	PRD/A
Elec. spec.	35WGG965
Layout	35LYE5479
Eff. date	11-22-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#14 13" LONG LEADS Y
Proprietary	False
Created date	04-30-2024

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	NEMA
Motor Type	3516B
Mounting Arrangement	B3
Number of Poles	4
Overall Length	16.38 IN
Power Factor	97
Product Family	General Purpose
Pulley Face Code	Standard
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.	ECS101A3K0P8DF4										
SPEC.	35E5479G965					YR					
FRAME	D90S			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	6205			ODE		6203					
SERIAL #											

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

