



Customer information packet

ECS100A8H2DF4

2HP, 1800RPM, 3PH, 60HZ, 145T, 3524B, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Brushless Wound Field PM Rotor
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	BLUETOOTH WEEE CULUS
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	4.800 A @ 230.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.3 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	4.8 a
Insulation Class	F
Inverter Code	03

Part detail

Revision	C
Type	AC
Mech. spec.	35E5247
Base	
Status	PRD/A
Elec. spec.	35WGG964
Layout	35LYE5247
Eff. date	10-31-2024
CD Diagram	CD0006B03
Poles	04
Leads	3#16
Proprietary	False
Created date	07-25-2024

KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	3 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3524B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.71 IN
Power Factor	93
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	Y
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1800 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

NP3968A01A01									
CAT.NO.	ECS100A8H2DF4								
SPEC.	35E5247G964G3								
FRAME	145T		ENCL.		TEFC		IP	54	
HP	2	40	C AMB			CONT			
NOM. EFF.	91.3	PF	93	SF		1			
VOLTS	230		FLA		4.8				
RPM	1800		RPM-MAX			4000			
HZ	60	PH.	3	CLASS		F			
BEMF (V)	148		RS (OHMS)				2.94		
LD (MH)	22.1			LQ (MH)			97.1		
VPWM	CHP	60	TO	133					
CT	6	TO	60	VT	6	TO	60		
MATCHED INV	ECI8A7P0 ECI8A7P0								
DE	6205		ODE		6203				
SERIAL #									

NP3978A01					
PART NO.	ECI8A7P0				
U1	240	PH	1	HZ	60
I1	12.5	W/EXT. CHOKE			10.2
SERIAL #					



