



Customer information packet

ECS101M5H7EB4

7.5HP, 1800RPM, 3PH, 60HZ, 182TC, 3648B, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CULUS WEEE
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	AEROSHELL #7 (-73°C TO +149°
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	7.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	7.0 a
Insulation Class	F
Inverter Code	Inverter Duty
Lifting Lugs	No Lifting Lugs

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	36WGA0057
Layout	36LYT262
Eff. date	01-06-2025
CD Diagram	CD0006B03
Poles	04
Leads	3#14
Proprietary	False
Created date	07-10-2023

Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3648B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.04 IN
Power Factor	94
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.50
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1800 rpm
Speed Code	Single Speed
Starting Method	Full Voltage
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3968C01A01									
CAT.NO.	ECS101M5H7EB4								
SPEC.	36-0000-3662								
FRAME	182TC			ENCL.		TEFC		IP	54
HP	7.5	40	C AMB			CONT			
NOM. EFF.	94	PF	94	SF		1.5			
VOLTS	575			FLA		7			
RPM	1800		RPM-MAX			4000			
HZ	60		PH.	3	CLASS		F		
BEMF (V)	268			RS (OHMS)				2.0	
LD (MH)	39				LQ (MH)			146	
VPWM	CHP	60	TO		133				
CT	6	TO	60	VT		1	TO	60	
MATCHED INV	ACS580-01-09A0-6								
DE	6206			ODE		6205			
SERIAL #									



