



Customer information packet

ECS101M5H20FF4

20HP, 1800RPM, 3PH, 60HZ, 215T, 3780B, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215T
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	20.000 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	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	17.400 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.9 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	17.4 a
Insulation Class	F
Inverter Code	Inverter Duty
Lifting Lugs	No Lifting Lugs

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0054
Layout	37LYQ435
Eff. date	07-17-2025
CD Diagram	CD0006B03
Poles	04
Leads	3#12
Proprietary	False
Created date	07-07-2023

Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3780B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.51 IN
Power Factor	97
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.375 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.	ECS101M5H20FF4									
SPEC.	37-0000-0502									
FRAME	215T			ENCL.		TEFC		IP		54
HP	20		40		C AMB			CONT		
NOM. EFF.	95.9		PF		97		SF		1	
VOLTS	575			FLA		17.4				
RPM	1800			RPM-MAX			4000			
HZ	60		PH.		3		CLASS		F	
BEMF (V)	299			RS (OHMS)					.521	
LD (MH)	16				LQ (MH)				55	
VPWM	CHP		60		TO		100			
CT	6		TO		60		VT		1 TO 100	
MATCHED INV	ACS580-01-017A-6									
DE	6307			ODE		6206				
SERIAL #										



