



Customer information packet

ECS101M4H20FB4

20HP, 1800RPM, 3PH, 60HZ, 215TC, TEFC, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	215TC
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	460.0 V @ 60 HZ
Agency Approvals	UL WEEE
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	21.600 A @ 460.0 V
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	21.6 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
Lifting Lugs	Standard Lifting Lugs

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGA0019
Layout	37LYQ466
Eff. date	01-02-2025
CD Diagram	CD0006B03
Poles	04
Leads	3#10
Proprietary	False
Created date	09-21-2020

Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3780B
Mounting Arrangement	F1
Number of Poles	4
Overall Length	24.24 IN
Power Factor	91
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.50
Shaft Diameter	1.375 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

NP3968C01A01									
CAT.NO.	ECS101M4H20FB4								
SPEC.	37-0000-0296								
FRAME	215TC			ENCL.	TEFC	IP	54		
HP	20	40		C AMB		CONT			
NOM. EFF.	95.9	PF	91		SF	1.5			
VOLTS	460			FLA	22.03				
RPM	1800			RPM-MAX	4000				
HZ	60		PH.	3	CLASS	F			
BEMF (V)	231			RS (OHMS)			0.33		
LD (MH)	10.6				LQ (MH)		35.5		
VPWM	CHP	60	TO	133					
CT	6	TO	60	VT	1	TO	133		
MATCHED INV	ACS380-04XX-[N/A]/25A0-4								
DE	6307			ODE	6206				
SERIAL #									



