



Customer information packet

CXL05142A

1HP, 1725RPM, 1PH, 60HZ, 56C, 3524L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	56C
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UL
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
Current @ Voltage	12.400 A @ 115.0 V 6.200 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	67.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T2C
Heater Indicator	No Heater
High Voltage Full Load Amps	6.2 a
Insulation Class	B

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WG0527
Layout	35LYS154
Eff. date	05-01-2024
CD Diagram	CD0008
Poles	04
Leads	6#18 A&J,1#14 #4TH
Proprietary	False
Created date	03-18-2021

Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3528L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.17 IN
Power Factor	68
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 1 Location	EP
Winding Thermal 2	None

Nameplate

NP0016XPSL									
NO.		CC							
SER. #									
SPEC	35-0000-1077								
CAT.NO.	CXL05142A								
H.P.	1		T. CODE	T3C					
VOLTS	115/230								
AMPS	12.4/6.2								
R.P.M.	1725 35WG0527								
HZ	60		PH	1	CLASS	B			
SER.F.	1.00		DES	L	CODE	K			
RATING	40C AMB-CONT								
FRAME	56C		NEMA NOM. EFF	67					
		PF	68						
BLANK	NEMA MG-1 PART 5, IP54								

AC Induction Motor Performance Data

Record # 8082

Typical performance - not guaranteed values

Winding: 35WG0527-R001			Type: 3528L		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		1	Full Load Torque		3 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		12.4/6.2	Breakdown Torque		7 LB-FT		
R.P.M.		1725	Pull-up Torque		3 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		7.9 LB-FT	
NEMA Design Code		L	KVA Code	K	Starting Current		39 A
Service Factor (S.F.)			1	No-load Current		3.8 A	
NEMA Nom. Eff.		67	Power Factor	68	Line-line Res. @ 25°C		2.73 Ω A Ph 1.76 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		60°C	

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	40	57	70	77	83	86
Efficiency	51	64.5	67	68.5	66.5	63.5
Speed	1790	1780	1765	1750	1735	1710
Line amperes	4	4.5	5.2	6.2	7.25	8.7

ABB Motors and Mechanical Inc.

WINDING # 35WG0527

Typical performance - not guaranteed values.

1 HP 1 PH 60 HZ 1725 RPM 230 V 3528L

TORQUES (LB-FT) : PO=7 PU=3 LR=7.9 LRA=39





