



Customer information packet

L3514-50

1.5/1.1KW, 1455RPM, 1PH, 50HZ, 56, 3540LC, TEF

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	56
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.100 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	CE CURUS UKCA WEEE C UR US
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	6.200 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.2 a

Part detail

Revision	G
Type	AC
Mech. spec.	35E008
Base	
Status	PRD/A
Elec. spec.	35WGG774
Layout	35LYE008
Eff. date	12-17-2024
CD Diagram	CD0017A02
Poles	04
Leads	4#18
Proprietary	False
Created date	05-26-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Finish	CLEAR COAT
Motor Lead Quantity/Wire Size	4 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3540LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.48 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1455 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

NP1372L									
CAT.NO.	L3514-50								
SPEC.	35E008G774								
HP	1.5/1.1KW								
VOLTS	220								
AMP	6.2								
R.P.M. (1/MIN)	1455								
FRAME	56		HZ		50			PH	1
SER.F.	1.15	CODE		J	DES	-	CL	F	
NEMA-NOM-EFF	81.4	PF		98					
RATING	40C AMB-S1 CONT								
CC			IP44 KG27 IC411						
DE	6205		ODE		6203				
ENCL	TEFC	SN							

Accessories

Part number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 101541

Typical performance - not guaranteed values

Winding: 35WGG774-R001				Type: 3540LC		Enclosure: TEFC	
Nameplate Data				220 V, 50 Hz: Single Voltage Motor			
Rated Output (KW)		1.1		Full Load Torque		5.317 LB-FT	
Volts		220		Start Configuration		direct on line	
Full Load Amps		6.2		Breakdown Torque		14.3 LB-FT	
R.P.M.		1455		Pull-up Torque		11.5 LB-FT	
Hz		50		Phase		1	
NEMA Design Code		-		KVA Code		J	
Service Factor (S.F.)		1.15		No-load Current		1.46 A	
NEMA Nom. Eff.		81.4		Power Factor		98	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		57°C	
S.F. Amps				Temp. Rise @ S.F. Load		68°C	
Line-line Res. @ 25°C				1.8474 Ω A Ph		2.6102 Ω B Ph	

Load Characteristics 220 V, 50 Hz, 1.1 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	94	98	98	98	98	98	98
Efficiency	60.6	76.7	81.7	82.9	82.1	79.4	82.4
Speed	1488.5	1479	1468.7	1456.9	1442.7	1424.4	1448
Line amperes	2.21	3.36	4.67	6.13	7.74	9.61	7.1

ABB Motors and Mechanical Inc.

WINDING # 35WGG774

Typical performance - not guaranteed values.

1.1 KW 1 PH 50 HZ 1455 RPM 220 V 3540LC

TORQUES (LB-FT): PO=14.3 PU=11.5 LR=14.3 LRA=49.2





