



Customer information packet

L1408T-50

3/2.2KW, 1450RPM, 1PH, 50HZ, 184T, 3646LC, OPE

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184T
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	2.200 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	C UR US WEEE UKCA CURUS CE
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	12.000 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.3 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a

Part detail

Revision	F
Type	AC
Mech. spec.	36E002
Base	
Status	PRD/A
Elec. spec.	36WGQ060
Layout	36LYE002
Eff. date	12-27-2024
CD Diagram	CD0017A02
Poles	04
Leads	2#14 A PH,2#16 B PH
Proprietary	False
Created date	03-13-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3646LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.50 IN
Power Factor	99
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	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1450 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.	L1408T-50													
SPEC.	36E002Q060													
HP	3/2.2KW													
VOLTS	220													
AMP	12													
R.P.M. (1/MIN)	1450													
FRAME	184T		HZ		50			PH		1				
SER.F.	1.15	CODE		G	DES	-	CL	F						
NEMA-NOM-EFF	84.3	PF		99										
RATING	40C AMB-S1 CONT													
CC			IP22 45KG IC01											
DE	6206		ODE		6205									
ENCL	OPEN	SN												
IE2-50HZ 85 (75%),83 (50%)														

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 101591

Typical performance - not guaranteed values

Winding: 36WQG060-R001		Type: 3646LC	Enclosure: OPEN
Nameplate Data		220 V, 50 Hz: Single Voltage Motor	
Rated Output (KW)	2.2	Full Load Torque	10.71 LB-FT
Volts	220	Start Configuration	direct on line
Full Load Amps	12	Breakdown Torque	20.2 LB-FT
R.P.M.	1450	Pull-up Torque	17.8 LB-FT
Hz	50 Phase	Locked-rotor Torque	37.3 LB-FT
NEMA Design Code	- KVA Code	Starting Current	81.4 A
Service Factor (S.F.)	1.15	No-load Current	1.48 A
NEMA Nom. Eff.	84.3 Power Factor	Line-line Res. @ 25°C	0.86665 Ω A Ph 1.4732 Ω B Ph
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	37°C
S.F. Amps		Temp. Rise @ S.F. Load	49°C

Load Characteristics 220 V, 50 Hz, 2.2 KW

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	96	99	99	99	98	96	98
Efficiency	71.3	83.5	85.8	84.8	81.4	74.8	82.8
Speed	1488.6	1477.8	1465.2	1450	1430.1	1397.8	1438
Line amperes	3.68	6.06	8.81	11.9	15.7	20.9	14.2

ABB Motors and Mechanical Inc.

WINDING # 36WGQ060

Typical performance - not guaranteed values.

2.2 KW 1 PH 50 HZ 1450 RPM 220 V 3646LC

TORQUES (LB-FT): PO=20.2 PU=17.8 LR=37.3 LRA=81.4





