



Customer information packet

WCL1408T

3HP, 1725RPM, 1PH, 60HZ, 184TCZ, 3634LC, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	184TCZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	3.000 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 UR
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	32.000 A @ 115.0 V 16.800 A @ 208.0 V 16.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	AP
Type	AC
Mech. spec.	36E775
Base	
Status	PRD/A
Elec. spec.	36WG2759
Layout	36LYE775
Eff. date	05-09-2024
CD Diagram	CD0016A01
Poles	04
Leads	4#14 A PH,3#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	16.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	4 @ 14 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3634LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.69 IN
Power Factor	78
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1725 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

NP1256L									
CAT.NO.	WCL1408T								
SPEC.	36E775-2759								
HP	3								
VOLTS	115/230								
AMP	32/16								
RPM	1725								
FRAME	184TCZ		HZ	60			PH	1	
SER.F.	1.15		CODE	H	DES	L	CLASS	F	
NEMA-NOM-EFF	78		PF	78					
RATING	40C AMB-CONT								
CC									
DE	6207		ODE	6205					
ENCL	OPEN		SN						

AC Induction Motor Performance Data

Record # 61451

Typical performance - not guaranteed values

Winding: 36WG2759-R003				Type: 3634LC		Enclosure: OPEN	
Nameplate Data				230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		3		Full Load Torque		9 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		32/16		Breakdown Torque		21 LB-FT	
R.P.M.		1725		Pull-up Torque		14.4 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		30.8 LB-FT	
NEMA Design Code		L	KVA Code	H	Starting Current		107 A
Service Factor (S.F.)		1.15		No-load Current		8.5 A	
NEMA Nom. Eff.		78	Power Factor	78	Line-line Res. @ 25°C		4.156 Ω A Ph 0.586 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		57°C	
S.F. Amps				Temp. Rise @ S.F. Load		72°C	

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	64	73	79	85	83	83
Efficiency	62.6	74.9	78.6	78	75	74.9	76.1
Speed	1788	1780	1769	1756	1733	1721	1742
Line amperes	9.1	10.4	15.8	16	19	23	17.8

ABB Motors and Mechanical Inc.

WINDING # 36WG2759

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 1725 RPM 230 V 3634LC

TORQUES (LB-FT): PO=21 PU=14.4 LR=30.8 LRA=107





