



Customer information packet

VL3606T

3HP, 3450RPM, 1PH, 60HZ, 182TC, 3634L, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	3.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 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	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	29.000 A @ 115.0 V 15.000 A @ 208.0 V 14.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	76.0 %
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	AD
Type	AC
Mech. spec.	36C003
Base	
Status	PRD/A
Elec. spec.	36WG0201
Layout	36LYC003
Eff. date	05-22-2025
CD Diagram	CD0001
Poles	02
Leads	4#14 A PH,2#16 B PH
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	14.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
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	3634L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	16.55 IN
Power Factor	87
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 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.	VL3606T								
SPEC.	36C03-201								
HP	3								
VOLTS	115/230								
AMP	29/14.5								
RPM	3450								
FRAME	182TC		HZ	60			PH	1	
SER.F.	1.15	CODE	G	DES	L	CLASS	F		
NEMA-NOM-EFF	76	PF	87						
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	TEFC	SN							

AC Induction Motor Performance Data

Record # 29181

Typical performance - not guaranteed values

Winding: 36WG0201-R001			Type: 3634L		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		3	Full Load Torque		4.5 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		29/14.5	Breakdown Torque		14 LB-FT		
R.P.M.		3450	Pull-up Torque		8 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		10 LB-FT	
NEMA Design Code		L	KVA Code	G	Starting Current		86 A
Service Factor (S.F.)		1.15	No-load Current		5.5 A		
NEMA Nom. Eff.		76	Power Factor	87	Line-line Res. @ 25°C		0.588 Ω A Ph 0.896 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		80°C
S.F. Amps					Temp. Rise @ S.F. Load		95°C

Load Characteristics 230 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	70	83	88	91	92	92	92
Efficiency	61	71	73.5	76	75	73	75.4
Speed	3558	3526	3496	3457	3407	3356	3427
Line amperes	7	9	11.5	14.5	18	21.8	16.6

ABB Motors and Mechanical Inc.

WINDING # 36WG0201

Typical performance - not guaranteed values.

3 HP 1 PH 60 HZ 3450 RPM 230 V 3634L

TORQUES (LB-FT): PO=14 PU=8 LR=10 LRA=86





