

BALDOR • RELIANCE

L3607

1HP, 1140RPM, 1PH, 60HZ, 184, 3634L, TEFC, F1

Product Information Packet PDF



Ship Weight	74.000 LB
UPC	781568100479

Specs

Catalog Number	L3607	KVA Code	K
Enclosure	TEFC	Lifting Lugs	No Lifting Lugs
Frame	184	Locked Bearing Indicator	No Locked Bearing
Frame Material	Steel	Motor Lead Exit	Ko Box
Frequency	60.00 Hz	Motor Lead Termination	Flying Leads
Motor Letter Type	Cap Start, Induction Run	Motor Lead Quantity/Wire Size	6 @ 16 AWG
Output @ Frequency	1.000 HP @ 60 HZ	Motor Type	3634L
Phase	1	Mounting Arrangement	F1
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ	Number of Poles	6
		Overall Length	15.69 IN

Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ	Power Factor	67
Haz Area Class and Group	None	Product Family	General Purpose
Haz Area Division	Not Applicable	Pulley End Bearing Type	Ball
Agency Approvals	CURUS	Pulley Face Code	Standard
Ambient Temperature	40 °C	Pulley Shaft Indicator	Standard
Auxillary Box	No Auxillary Box	Rodent Screen	None
Auxillary Box Lead Termination	None	Service Factor	1.15
Base Indicator	Rigid	Shaft Diameter	0.875 IN
Bearing Grease Type	Polyrex EM (-20F +300F)	Shaft Extension Location	Pulley End
Blower	None	Shaft Ground Indicator	No Shaft Grounding
Current @ Voltage	14.000 A @ 115.0 V 7.000 A @ 230.0 V	Shaft Rotation	Reversible
Design Code	L	Shaft Slinger Indicator	No Slinger
Drip Cover	No Drip Cover	Speed	1140 rpm
Duty Rating	CONT	Speed Code	Single Speed
Efficiency @ 100% Load	63.0 %	Motor Standards	NEMA
Electrically Isolated Bearing	Not Electrically Isolated	Starting Method	Direct on line
Feedback Device	NO FEEDBACK	Thermal Device - Bearing	None
High Voltage Full Load Amps	7.0 a	Thermal Device - Winding	None
Front Face Code	Standard	Vibration Sensor Indicator	No Vibration Sensor
Front Shaft Indicator	None	Winding Thermal 1	None
Heater Indicator	No Heater	Winding Thermal 2	None
Insulation Class	F		
Inverter Code	Not Inverter		

Drawings

Dimension Sheet

Connection Diagram

CAD File

☒ 2D CAD ☐ 3D CAD

>> Select 2D Format

Nameplate

NEMA-NOM-EFF	CAT.NO.	L3607									
	SPEC.	36C11-608									
	HP	1									
	VOLTS	115/230									
	AMP	14/7									
	RPM	1140									
	FRAME	184			HZ	60			PH	1	
	SER.F.	1.15	CODE	K	DES	L	CLASS	F			
	RATING	63	PF	67							
	CC										
	DE	6206			ODE	6205					
ENCL	TEFC	SN									

NP1256L

Performance

Performance at 230 V, 60 Hz, 1 hp

Typical performance; not guaranteed values.

General Characteristics

Full Load Torque	0 LB-FT	Start Configuration	DOL
No-Load Current	0 A	Break-Down Torque	8.5 LB-FT
Line-Line Res. @ 25° C	2.1182 Ohms A Ph / 1.7738 Ohms B Ph	Pull-Up Torque	7.88 LB-FT
Temp. Rise @ Rated Load	77° C	Locked-Rotor Torque	12 LB-FT
Temp. Rise @ S.F. Load	93° C	Starting Current	34 A

Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	17.0	33.0	47.0	57.0	65.0	70.0	73.0	68.0
Efficiency	0.0	46.2	59.5	63.2	63.2	60.6	54.6	61.6
Speed (RPM)	1,198	1,187	1,175	1,162	1,145	1,123	1,089	1,132
Line Amps	5.33	5.44	5.98	6.69	7.80	9.22	11.20	8.65

Performance Curves

Parts

Part Number	Description	Quantity
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2500bx)4/22	1.000 EA

Accessories

Part Number	Description	List Price
36-1037	C FACE KIT	235.00 USD
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	471.00 USD