

PCL1327M

5HP, 3450RPM, 1PH, 60HZ, 56HCY, 3535LC, ODTF



 Product Information Packet PDF

Ship Weight	57.000 LB
UPC	781568112595

Specs

Catalog Number	PCL1327M	KVA Code	F
Enclosure	ODTF	Lifting Lugs	No Lifting Lugs
Frame	56HCY	Locked Bearing Indicator	Locked Bearing
Frame Material	Steel	Motor Lead Exit	Cap Box
Frequency	60.00 Hz	Motor Lead Termination	Flying Leads
Motor Letter Type	Cap Start, Cap Run	Motor Lead Quantity/Wire Size	2 @ 12 AWG, A PH
Output @ Frequency	5.000 HP @ 60 HZ	Motor Type	3535LC
Phase	1	Mounting Arrangement	F1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ	Number of Poles	2
Voltage @ Frequency	230.0 V @ 60 HZ	Overall Length	14.10 IN
Haz Area Class and Group	None	Power Factor	95
Haz Area Division	Not Applicable	Product Family	General Purpose
Agency Approvals	CSA UR	Pulley End Bearing Type	Ball
Ambient Temperature	40 °C	Pulley Face Code	C-Face
Auxillary Box	No Auxillary Box	Pulley Shaft Indicator	Standard
Auxillary Box Lead Termination	None	Rodent Screen	None
Base Indicator	Rigid	Service Factor	1.00
Bearing Grease Type	Polyrex EM (-20F +300F)	Shaft Diameter	0.625 IN
Blower	None	Shaft Extension Location	Pulley End
Current @ Voltage	23.000 A @ 230.0 V 24.000 A @ 208.0 V	Shaft Ground Indicator	No Shaft Grounding
		Shaft Rotation	Reversible
		Shaft Slinger Indicator	No Slinger

Design Code	-	Speed	3450 rpm
Drip Cover	Drip Cover	Speed Code	Single Speed
Duty Rating	CONT	Motor Standards	NEMA
Efficiency @ 100% Load	74.2 %	Starting Method	Direct on line
Electrically Isolated Bearing	Not Electrically Isolated	Thermal Device - Bearing	None
Feedback Device	NO FEEDBACK	Thermal Device - Winding	Do Not Use
High Voltage Full Load Amps	23.0 a	Vibration Sensor Indicator	No Vibration Sensor
Front Face Code	Drip Cover Mounting	Winding Thermal 1	Manual Thermal Overload
Front Shaft Indicator	None	Winding Thermal 1 Location	KO
Heater Indicator	No Heater	Winding Thermal 2	None
Insulation Class	F		
Inverter Code	Not Inverter		

Drawings

Dimension Sheet **Connection Diagram**

CAD File

>> Select 3...

Nameplate

CAT.NO.	PCL1327M						
SPEC.	35L263S322						
HP	5						
VOLTS	230						
AMP	23						
RPM	3450						
FRAME	56HCY			HZ	60	PH	1
SER.F.	1.00	CODE	F	DES	-	CL	F
NEMA-NOM-EFF	74.2	PF	95				
RATING	40C AMB-CONT						
CC							
DE	6205			ODE	6203		
ENCL	ODTF	SN					

NP1257L

Performance

Performance at 230 V, 60 Hz, 5 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	18.8 LB-FT
Line-Line Res. @ 25° C	0.535 Ohms A Ph / 1.1 Ohms B Ph	Pull-Up Torque	12.8 LB-FT
Temp. Rise @ Rated Load	89° C	Locked-Rotor Torque	14.7 LB-FT
Temp. Rise @ S.F. Load		Starting Current	122 A

Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	55.0	78.0	89.0	94.0	95.0	96.0	95.0	0.0
Efficiency	0.0	56.5	69.5	74.5	74.2	72.5	66.0	0.0
Speed (RPM)	3,595	3,570	3,535	3,500	3,450	3,390	3,275	0
Line Amps	8.90	10.40	13.70	17.80	23.00	28.60	36.20	0.00

Performance Curves

Parts

Part Number	Description	Quantity
OC3050F09SP	CAPACITOR 50 MFD 370 VAC	1.000 EA
EC1161C06SP	ELEC CAP, 161-193 MFD, 250V, 2.06D X 4.	2.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
35FH4006A01SP	DRIP COVER,STAMPED,W/ PRIMER	1.000 EA
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 EA