


# PCL3513M

1.5HP, 3450RPM, 1PH, 60HZ, 56C, 3520LC, TEFC



 Product Information Packet PDF

<b>Ship Weight</b>	38.000 LB
<b>UPC</b>	781568112397

## Specs

<b>Catalog Number</b>	PCL3513M	<b>KVA Code</b>	F
<b>Enclosure</b>	TEFC	<b>Lifting Lugs</b>	No Lifting Lugs
<b>Frame</b>	56C	<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Frame Material</b>	Steel	<b>Motor Lead Exit</b>	Ko Box
<b>Frequency</b>	60.00 Hz	<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Letter Type</b>	Cap Start, Cap Run	<b>Motor Lead Quantity/Wire Size</b>	4 @ 16 AWG, A&J
<b>Output @ Frequency</b>	1.500 HP @ 60 HZ	<b>Motor Type</b>	3520LC
<b>Phase</b>	1	<b>Mounting Arrangement</b>	F1
<b>Synchronous Speed @ Frequency</b>	3600 RPM @ 60 HZ	<b>Number of Poles</b>	2
<b>Voltage @ Frequency</b>	115.0 V @ 60 HZ 230.0 V @ 60 HZ	<b>Overall Length</b>	13.23 IN
<b>Haz Area Class and Group</b>	None	<b>Power Factor</b>	98
<b>Haz Area Division</b>	Not Applicable	<b>Product Family</b>	General Purpose
<b>Agency Approvals</b>	UR CSA	<b>Pulley End Bearing Type</b>	Ball
<b>Ambient Temperature</b>	40 °C	<b>Pulley Face Code</b>	C-Face
<b>Auxillary Box</b>	No Auxillary Box	<b>Pulley Shaft Indicator</b>	Standard
<b>Auxillary Box Lead Termination</b>	None	<b>Rodent Screen</b>	None
<b>Base Indicator</b>	Rigid	<b>Service Factor</b>	1.15
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)	<b>Shaft Diameter</b>	0.625 IN
<b>Blower</b>	None	<b>Shaft Extension Location</b>	Pulley End
<b>Current @ Voltage</b>	13.200 A @ 115.0 V	<b>Shaft Ground Indicator</b>	No Shaft Grounding
		<b>Shaft Rotation</b>	Reversible
		<b>Shaft Slinger Indicator</b>	No Slinger

	6.600 A @ 230.0 V	<b>Speed</b>	3450 rpm
<b>Design Code</b>	L	<b>Speed Code</b>	Single Speed
<b>Drip Cover</b>	No Drip Cover	<b>Motor Standards</b>	NEMA
<b>Duty Rating</b>	CONT	<b>Starting Method</b>	Direct on line
<b>Efficiency @ 100% Load</b>	75.5 %	<b>Thermal Device - Bearing</b>	None
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated	<b>Thermal Device - Winding</b>	Do Not Use
<b>Feedback Device</b>	NO FEEDBACK	<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>High Voltage Full Load Amps</b>	6.6 a	<b>Winding Thermal 1</b>	Manual Thermal Overload
<b>Front Face Code</b>	Standard	<b>Winding Thermal 1 Location</b>	KO
<b>Front Shaft Indicator</b>	None	<b>Winding Thermal 2</b>	None
<b>Heater Indicator</b>	No Heater		
<b>Insulation Class</b>	B		
<b>Inverter Code</b>	Not Inverter		

## Drawings

[Dimension Sheet](#)

[Connection Diagram](#)

## CAD File

2D CAD  3D CAD

[>> Select 2D Format](#)

## Nameplate

<b>CAT.NO.</b>	PCL3513M						
<b>SPEC.</b>	35T982Y862						
<b>HP</b>	1.5						
<b>VOLTS</b>	115/230						
<b>AMP</b>	13.2/6.6						
<b>RPM</b>	3450						
<b>FRAME</b>	56C		<b>HZ</b>	60	<b>PH</b>	1	
<b>SER.F.</b>	1.15	<b>CODE</b>	F	<b>DES</b>	L	<b>CL</b>	B
<b>NEMA-NOM-EFF</b>	75.5	<b>PF</b>	98				
<b>RATING</b>	40C AMB-CONT						
<b>CC</b>							
<b>DE</b>	6205	<b>ODE</b>	6203				
<b>ENCL</b>	TEFC	<b>SN</b>					

NP1257L

## Performance

### Performance at 230 V, 60 Hz, 1.5 hp

Typical performance; not guaranteed values.

#### General Characteristics

<b>Full Load Torque</b>	0 LB-FT	<b>Start Configuration</b>	DOL
<b>No-Load Current</b>	0 A	<b>Break-Down Torque</b>	4.63 LB-FT
<b>Line-Line Res. @ 25° C</b>	2.38 Ohms A Ph / 1.84 Ohms B Ph	<b>Pull-Up Torque</b>	3.25 LB-FT
<b>Temp. Rise @ Rated Load</b>	40° C	<b>Locked-Rotor Torque</b>	4.25 LB-FT
<b>Temp. Rise @ S.F. Load</b>	47° C	<b>Starting Current</b>	34.7 A

#### Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
<b>Power Factor</b>	81.0	87.0	90.0	96.0	98.0	97.0	96.0	98.0
<b>Efficiency</b>	0.0	51.0	71.0	74.5	75.5	74.0	70.0	75.0
<b>Speed (RPM)</b>	3,585	3,575	3,550	3,515	3,490	3,440	3,370	3,470
<b>Line Amps</b>	1.50	2.70	3.60	5.00	6.60	8.40	10.50	7.40

#### Performance Curves

## Parts

Part Number	Description	Quantity
OC3060C09SP	CAPACITOR 60 MFD 240 VAC	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 EA
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 EA