


PCL3519M

3HP, 3450RPM, 1PH, 60HZ, 56C, 3532LC, TEFC, F1



 Product Information Packet PDF

Ship Weight	52.000 LB
UPC	781568112434

Specs

Catalog Number	PCL3519M	Lifting Lugs	No Lifting Lugs
Enclosure	TEFC	Locked Bearing Indicator	Locked Bearing
Frame	56C	Motor Lead Exit	Ko Box
Frame Material	Steel	Motor Lead Termination	Flying Leads
Frequency	60.00 Hz	Motor Lead Quantity/Wire Size	2 @ 14 AWG, A PH
Motor Letter Type	Cap Start, Cap Run	Motor Type	3532LC
Output @ Frequency	3.000 HP @ 60 HZ	Mounting Arrangement	F1
Phase	1	Number of Poles	2
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ	Overall Length	14.10 IN
Voltage @ Frequency	230.0 V @ 60 HZ	Power Factor	95
Haz Area Class and Group	None	Product Family	General Purpose
Haz Area Division	Not Applicable	Pulley End Bearing Type	Ball
Agency Approvals	UR CSA	Pulley Face Code	C-Face
Ambient Temperature	40 °C	Pulley Shaft Indicator	Standard
Auxillary Box	No Auxillary Box	Rodent Screen	None
Auxillary Box Lead Termination	None	RoHS Status	ROHS COMPLIANT
Base Indicator	Rigid	Service Factor	1.15
Bearing Grease Type	Polyrex EM (-20F +300F)	Shaft Diameter	0.625 IN
Blower	None	Shaft Extension Location	Pulley End
Current @ Voltage	12.500 A @ 230.0 V 13.700 A @ 208.0 V	Shaft Ground Indicator	No Shaft Grounding
		Shaft Rotation	Reversible
		Shaft Slinger Indicator	No Slinger

Design Code	L	Speed	3450 rpm
Drip Cover	No Drip Cover	Speed Code	Single Speed
Duty Rating	CONT	Motor Standards	NEMA
Efficiency @ 100% Load	85.5 %	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	12.5 a	Vibration Sensor Indicator	No Vibration Sensor
Front Face Code	Standard	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		
KVA Code	G		

Drawings

Dimension Sheet

Connection Diagram

CAD File

2D CAD 3D CAD

>> Select 2D Format

Nameplate

CAT.NO.	PCL3519M						
SPEC.	35T974Y870						
HP	3						
VOLTS	230						
AMP	12.5						
RPM	3450						
FRAME	56C			HZ	60	PH	1
SER.F.	1.15	CODE	G	DES	L	CL	F
NEMA-NOM-EFF	85.5	PF	95				
RATING	40C AMB-CONT						
CC							
DE	6205		ODE	6203			
ENCL	TEFC	SN					

NP1257L

Performance

Performance at 230 V, 60 Hz, 3 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	11.5 LB-FT
Line-Line Res. @ 25° C	3.06 Ohms A Ph / 1.45 Ohms B Ph	Pull-Up Torque	9.3 LB-FT
Temp. Rise @ Rated Load	47° C	Locked-Rotor Torque	10.5 LB-FT
Temp. Rise @ S.F. Load	56° C	Starting Current	77 A

Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	74.0	76.0	87.0	92.0	92.0	93.0	92.0	93.0
Efficiency	0.0	72.0	80.0	85.0	85.5	82.0	78.5	85.0
Speed (RPM)	3,595	3,565	3,540	3,510	3,475	3,430	3,370	3,455
Line Amps	2.60	4.60	7.20	9.60	12.50	16.00	19.90	14.40

Performance Curves

Performance at 230 V, 60 Hz, 3 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	10.4 LB-FT
Line-Line Res. @ 25° C	0.80257 Ohms A Ph / 1.4763 Ohms B Ph	Pull-Up Torque	8.29 LB-FT
Temp. Rise @ Rated Load	104° C	Locked-Rotor Torque	10.7 LB-FT
Temp. Rise @ S.F. Load	136° C	Starting Current	79.3 A

Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	79.0	95.0	98.0	100.0	100.0	99.0	98.0	99.0
Efficiency	0.0	66.4	76.2	79.4	78.2	74.4	67.8	75.9
Speed (RPM)	3,581	3,554	3,518	3,479	3,429	3,362	3,254	3,389
Line Amps	1.97	4.09	6.62	9.37	12.70	16.60	22.20	15.00

Performance Curves

Parts

Part Number	Description	Quantity
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 EA
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	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