



Product Information Packet

L3403

.25HP,1725RPM,1PH,60HZ,48,3411L,TEFC,F1

Part Detail							
Revision:	AN	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG5506	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	34C051	Layout:	34LYC051	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	04-22-2021	Leads:	6#18		

Specs			
Catalog Number:	L3403	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	48	IP Rating:	NONE
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Cap Start, Induction Run	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.250 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3411L
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	57
	CSA	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	Standard
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT

Current @ Voltage:	2.500 A @ 230.0 V	Shaft Extension Location:	Pulley End
	3.000 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	5.000 A @ 115.0 V	Shaft Rotation:	Reversible
Design Code:	N	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Standard	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	L3403												
SPEC.	34C51-5506												
HP	.25												
VOLTS	115/230												
AMP	5/2.5												
RPM	1725												
FRAME	48				HZ		60				PH		1
SER.F.	1.35			CODE		L	DES		N	CLASS		B	
NEMA-NOM-EFF	55			PF		57							
RATING	40C AMB-CONT												
CC				USABLE AT 208V									3
DE	6203			ODE		6203							
ENCL	TEFC			SN									
	SFA 5.6/2.8												

AC Induction Motor Performance Data

Record # 6772

Typical performance - not guaranteed values

Winding: 34WG5506-R001			Type: 3411L	Enclosure: TEFC			
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.25	Full Load Torque		0.75 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		5/2.5	Breakdown Torque		2.13 LB-FT		
R.P.M.		1725	Pull-up Torque		1.88 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		2.48 LB-FT	
NEMA Design Code		N	KVA Code	L	Starting Current		9.95 A
Service Factor (S.F.)		1.35		No-load Current		2.2 A	
NEMA Nom. Eff.		55	Power Factor	57	Line-line Res. @ 25°C		8.88 Ω A Ph 7.06 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		57°C	
S.F. Amps		5.6/2.8		Temp. Rise @ S.F. Load		70°C	

Load Characteristics 230 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	40	49	57	63	69	67
Efficiency	28	40	50	55	58	59	59
Speed	1779	1763	1740	1720	1700	1670	1680
Line amperes	2.2	2.3	2.4	2.5	2.7	2.9	2.8

Performance Graph at 230V, 60Hz, 0.25HP Typical performance - Not guaranteed values





