



Product Information Packet

L3504

.5HP,1725RPM,1PH,60HZ,56,3421L,TEFC,F1

Part Detail							
Revision:	AM	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG5422	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	34C061	Layout:	34LYC061	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	04-22-2021	Leads:	6#18		

Specs			
Catalog Number:	L3504	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Cap Start, Induction Run	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	115.0 V @ 60 HZ	Motor Type:	3421L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	66
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	4.300 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	7.400 A @ 115.0 V	Shaft Rotation:	Reversible
	3.700 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	N	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	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

Nameplate NP1256L

CAT.NO.	L3504										
SPEC.	34C61-5422										
HP	.5										
VOLTS	115/230										
AMP	7.4/3.7										
RPM	1725										
FRAME	56				HZ	60				PH	1
SER.F.	1.25			CODE	J	DES	N		CLASS	B	
NEMA-NOM-EFF	68			PF	66						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							4.3
DE	6203			ODE	6203						
ENCL	TEFC			SN							
	SFA 8.2/4.1										

AC Induction Motor Performance Data

Record # 6767

Typical performance - not guaranteed values

Winding: 34WG5422-R001				Type: 3421L		Enclosure: TEFC	
Nameplate Data				230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.5		Full Load Torque		1.5 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		7.4/3.7		Breakdown Torque		4.13 LB-FT	
R.P.M.		1725		Pull-up Torque		3.6 LB-FT	
Hz		60 Phase		Locked-rotor Torque		4.65 LB-FT	
NEMA Design Code		N KVA Code		Starting Current		16.5 A	
Service Factor (S.F.)		1.25		No-load Current		2.8 A	
NEMA Nom. Eff.		68 Power Factor		Line-line Res. @ 25°C		4.44 Ω A Ph 3.19 Ω B Ph	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		63°C	
S.F. Amps		8.2/4.1		Temp. Rise @ S.F. Load		77°C	

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	46	59	66	72	80	72
Efficiency	42	58	65	68	69	68	69
Speed	1783	1765	1750	1730	1710	1680	1710
Line amperes	2.8	3	3.3	3.7	4.1	4.8	4.1

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values





