



Product Information Packet

VM3539

.5HP,1140RPM,3PH,60HZ,56C,3418M,TEFC,F1

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG5884	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34A063	Layout:	34LYA063	Poles:	06	Created Date:	
Base:	N	Eff. Date:	06-29-2018	Leads:	9#18		

Specs			
Catalog Number:	VM3539	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3418M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	55
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	2.400 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	2.700 A @ 208.0 V	Shaft Rotation:	Reversible
	1.200 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	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.	VM3539										
SPEC.	34A63-5884										
HP	.5										
VOLTS	230/460										
AMP	2.4/1.2										
RPM	1140										
FRAME	56C				HZ	60				PH	3
SER.F.	1.25		CODE	J	DES	B		CLASS	B		
NEMA-NOM-EFF	72			PF	55						
RATING	40C AMB-CONT										
CC				USABLE AT 208V							2.7
DE	6203			ODE	6203						
ENCL	TEFC		SN								
	SFA 2.6/1.3										

AC Induction Motor Performance Data

Record # 6835

Typical performance - not guaranteed values

Winding: 34WG5884-R001			Type: 3418M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		.5		Full Load Torque		2.3 LB-FT
Volts		230/460		Start Configuration		direct on line
Full Load Amps		2.4/1.2		Breakdown Torque		7.7 LB-FT
R.P.M.		1140		Pull-up Torque		6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque		6.2 LB-FT
NEMA Design Code		B		KVA Code	J	
Starting Current		5 A		No-load Current		
Service Factor (S.F.)		1.25		Line-line Res. @ 25°C		
NEMA Nom. Eff.		72		Power Factor	55	
Rating - Duty		40C		AMB-CONT		
Temp. Rise @ Rated Load		63°C		Temp. Rise @ S.F. Load		
S.F. Amps		2.6/1.3		77°C		

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	20	34	45	55	62	68	62
Efficiency	48	63	67	72	72	71	72
Speed	1185	1170	1155	1140	1120	1100	1120
Line amperes	0.95	1	1.1	1.2	1.3	1.5	1.3

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values





