



Product Information Packet

VM3534

.33HP,1730RPM,3PH,60HZ,56C,3413M,TEFC,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGR709	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34A063	Layout:	34LYA063	Poles:	04	Created Date:	11-20-2020
Base:	N	Eff. Date:	02-16-2021	Leads:	9#18		

Specs			
Catalog Number:	VM3534	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.330 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Synchronous Speed @ Frequency:	1800 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:	3413M
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:	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:	1.300 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.400 A @ 230.0 V	Shaft Rotation:	Reversible
	.700 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.	VM3534											
SPEC.	34A063R709											
HP	.33											
VOLTS	230/460											
AMP	1.4/.7											
RPM	1730											
FRAME	56C				HZ		60			PH	3	
SER.F.	1.35			CODE		L	DES		B	CLASS		B
NEMA-NOM-EFF	68			PF		66						
RATING	40C AMB-CONT											
CC				USABLE AT 208V							1.3	
DE	6203			ODE		6203						
ENCL	TEFC			SN								
	SFA 1.6/.8											

AC Induction Motor Performance Data

Record # 85527

Preliminary Data Sheet

Winding: 34WGR709-R001			Type: 3413M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		.33	Full Load Torque		1 LB-FT			
Volts		230/460	Start Configuration		direct on line			
Full Load Amps		1.4/0.7	Breakdown Torque		3.5 LB-FT			
R.P.M.		1725	Pull-up Torque		2.13 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		2.72 LB-FT		
NEMA Design Code		B	KVA Code	L	Starting Current		3.93 A	
Service Factor (S.F.)		1.35	No-load Current		0.6 A			
NEMA Nom. Eff.		67	Power Factor		66	Line-line Res. @ 25°C		70.9 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		51°C	
S.F. Amps		1.6/0.8	Temp. Rise @ S.F. Load		67°C			
			Locked-rotor Power Factor		82			
			Rotor inertia		0.031 lb-ft²			

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	46	57	67	69	81	77
Efficiency	38.6	55.6	63.2	67.3	68.7	67.2	68.7
Speed	1779	1764	1749	1731	1712	1691	1697
Line amperes	0.6	0.62	0.65	0.7	0.76	0.85	0.81

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values





