



Product Information Packet

M3534

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

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGR709	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34-1169	Layout:	34LY1169	Poles:	04	Created Date:	02-05-2021
Base:	RG	Eff. Date:	04-21-2021	Leads:	9#18		

Specs			
Catalog Number:	M3534	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	B
Frame:	56	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	L
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.330 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 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:	3413M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	66
	UR	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	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
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	M3534										
SPEC.	34-1169R709										
HP	.33										
VOLTS	230/460										
AMP	1.4/.7										
RPM	1730										
FRAME	56				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





