



Product Information Packet

CM3534-5

.33HP,1725RPM,3PH,60HZ,56C,3413M,TEFC,F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG0901	CD Diagram:	CD0006	Mfg Plant:	
Mech. Spec:	34A062	Layout:	34LYA062	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	02-15-2018	Leads:	3#18		

Specs			
Catalog Number:	CM3534-5	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	L
Frame:	56C	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Motor Letter Type:	Three Phase	Motor Lead Quantity/Wire Size:	3 @ 18 AWG
Output @ Frequency:	.330 HP @ 60 HZ	Motor Lead Exit:	Ko Box
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Termination:	Flying Leads
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Type:	3413M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	57
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	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:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	.640 A @ 575.0 V	Shaft Rotation:	Reversible

Design Code:	B	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
Insulation Class:	B	Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	CM3534-5											
SPEC.	34A62-901											
HP	.33											
VOLTS	575											
AMP	.64											
RPM	1725											
FRAME	56C				HZ		60			PH	3	
SER.F.	1.35			CODE		L		DES		B		
NEMA-NOM-EFF	68			PF		57		CLASS		B		
RATING	40C AMB-CONT											
CC				USABLE AT 208V								
DE	6203			ODE		6203						
ENCL	TEFC			SN								
	SFA .7											

AC Induction Motor Performance Data

Record # 94834

Typical performance - not guaranteed values

Winding: 34WG0901-R019			Type: 3413M	Enclosure: XPFC	
Nameplate Data			575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)		.33	Full Load Torque	0.9904 LB-FT	
Volts		575	Start Configuration	direct on line	
Full Load Amps		.64	Breakdown Torque	4.9 LB-FT	
R.P.M.		1745	Pull-up Torque	3.35 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque	3.5 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	3.6 A
Service Factor (S.F.)		1.15	No-load Current	0.5921 A	
NEMA Nom. Eff.	67	Power Factor	57	Line-line Res. @ 25°C	78 Ω
Rating - Duty	34WG0901-R019		Temp. Rise @ Rated Load	47°C	
S.F. Amps			Temp. Rise @ S.F. Load	50°C	
			Locked-rotor Power Factor	69.8	
			Rotor inertia	0.031 lb-ft²	

Load Characteristics 575 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25.8953	35.9552	45.283	53.4828	57.8665	60.5621	56
Efficiency	40.0473	56.1344	64.3514	68.8858	70.6093	71.4645	69.9
Speed	1785.321	1774.521	1763.091	1751.121	1743.561	1738.34	1747
Line amperes	0.5981	0.6132	0.6377	0.6712	0.6958	0.714	0.686

Performance Graph at 575V, 60Hz, 0.33HP Typical performance - Not guaranteed values





