

BALDOR® • RELIANCE

Product Information Packet

JM3111

.75HP,3450RPM,3PH,60HZ,56J,3416M,OPEN,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG2719	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34F038	Layout:	34LYF038	Poles:	02	Created Date:	
Base:	N	Eff. Date:	10-23-2017	Leads:	9#18		

Specs			
Catalog Number:	JM3111	Front Shaft Indicator:	None
Enclosure:	OPEN	Heater Indicator:	No Heater
Frame:	56J	Insulation Class:	B
Frame Material:	Steel	Inverter Code:	Not Inverter
Output @ Frequency:	.750 HP @ 60 HZ	KVA Code:	M
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Voltage @ Frequency:	208.0 V @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3416M
Agency Approvals:	CSA	Mounting Arrangement:	F1
	UR	Power Factor:	66
Auxillary Box:	No Auxillary Box	Product Family:	General Purpose
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	No Mounting	Pulley Face Code:	C-Face
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Ext Thread
Blower:	None	Rodent Screen:	None

Current @ Voltage:	4.000 A @ 208.0 V	RoHS Status:	ROHS COMPLIANT
	3.200 A @ 208.0 V	Shaft Extension Location:	Pulley End
	3.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.500 A @ 460.0 V	Shaft Rotation:	Reversible
Design Code:	B	Shaft Slinger Indicator:	No Slinger
Drip Cover:	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:	Drip Cover Mounting	Thermal Device - Winding:	None
		Vibration Sensor Indicator:	No Vibration Sensor

Nameplate NP1256L

CAT.NO.	JM3111											
SPEC.	34F38-2719											
HP	.75											
VOLTS	208-230/460											
AMP	3.2-3/1.5											
RPM	3450											
FRAME	56J				HZ		60			PH	3	
SER.F.	1.50		CODE		M		DES		B		CLASS	B
NEMA-NOM-EFF	74			PF		66						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								4
DE	6203				ODE		6203					
ENCL	OPEN		SN									
	SFA 4-3.8/1.9											

AC Induction Motor Performance Data

Record # 6656 - Typical performance - not guaranteed values

Winding: 34WG2719-R001	Type: 3416M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.1 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.2-3/1.5			Breakdown Torque	6.2 LB-FT
R.P.M.	3450			Pull-up Torque	5.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.4 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	11.4 A
Service Factor (S.F.)	1.5			No-load Current	1.3 A
NEMA Nom. Eff.	74	Power Factor	66	Line-line Res. @ 25°C	16.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	55°C
S.F. Amps	4-3.8/1.9			Temp. Rise @ S.F. Load	78°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	43	55	63	70	74	0
Efficiency	47.6	62.6	69.8	73	74.4	74.8	0
Speed	3569	3544	3518	3492	3463	3433	0
Line amperes	1.3	1.3	1.4	1.5	1.7	1.9	1.9

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values





