



Product Information Packet

JM3154

1.5HP,1725RPM,3PH,60HZ,56J,3520M,OPEN,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGX116	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34F038	Layout:	34LYF038	Poles:	04	Created Date:	
Base:	N	Eff. Date:	08-23-2018	Leads:	9#18		

Specs			
Catalog Number:	JM3154	Insulation Class:	B
Enclosure:	OPEN	Inverter Code:	Not Inverter
Frame:	56J	KVA Code:	M
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3432M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	65
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:	Ext Thread
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:	2.800 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
	5.200 A @ 208.0 V	Shaft Rotation:	Reversible
	5.600 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	NONE (OLD)
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Drip Cover Mounting	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.	JM3154									
SPEC.	34F038X116G1									
HP	1.5									
VOLTS	208-230/460									
AMP	5.2-5.6/2.8									
RPM	1725									
FRAME	56J				HZ 60				PH 3	
SER.F.	1.15			CODE M		DES B			CLASS B	
NEMA-NOM-EFF	77			PF 65						
RATING	40C AMB-CONT									
CC					USABLE AT 208V					
DE	6203				ODE 6203					
ENCL	OPEN			SN						

Parts List		
Part Number	Description	Quantity
SA124268	SA 34F038X116G1	1.000 EA
RA114701	RA 34F038X116G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
34EP3212A03	FR EP 34L FOR DRIP CVR	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3401A01SP	PU ENDPLATE, MACH	1.000 EA
34AD2000	BAFFLE PLATE, STAMPED	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FH4000A15	DRIP COVER, STAMPED,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4101A09	STIMPSON D3560, .875 DIA. HOLE PLUG	1.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
RM1010A01	35-968-1 VINYL CLS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA3100A38	THRUBOLT 10-32 X 9.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE	1.000 EA
PK3088	MICROFOAM, 8"X"8 PERF. SHEETS 5,400/RL	1.000 EA

AC Induction Motor Performance Data

Record # 20837 - Typical performance - not guaranteed values

Winding: 34WGX116-R002	Type: 3432M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	4.56 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	5.2-5.6/2.8			Breakdown Torque	21.7 LB-FT
R.P.M.	1725			Pull-up Torque	17.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	19.3 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	19.6 A
Service Factor (S.F.)	1.15			No-load Current	2.17 A
NEMA Nom. Eff.	77	Power Factor	65	Line-line Res. @ 25°C	8.69 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	70°C
S.F. Amps				Temp. Rise @ S.F. Load	80°C
				Locked-rotor Power Factor	54
				Rotor inertia	0.0762 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	55	65	72	77	69
Efficiency	58.7	72.3	76.6	78.1	77.9	76.8	78
Speed	1780	1762	1744	1724	1701	1677	1710
Line amperes	2.16	2.3	2.51	2.8	3.14	3.54	3

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values





