



Product Information Packet

CJM3120

1.5HP,3450RPM,3PH,60HZ,56J,3424M,OPEN,F1

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGX480	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34F029	Layout:	34LYF029	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	08-23-2018	Leads:	9#18		

Specs			
Catalog Number:	CJM3120	Insulation Class:	B
Enclosure:	OPEN	Inverter Code:	Not Inverter
Frame:	56J	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	1.500 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 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:	3424M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	89
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Ext Thread
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT
Current @ Voltage:	2.000 A @ 460.0 V	Shaft Extension Location:	Pulley End

	4.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	4.700 A @ 208.0 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 (OLD)
Front Face Code:	Drip Cover Mounting	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1256L

CAT.NO.	CJM3120										
SPEC.	34F029X480G1										
HP	1.5										
VOLTS	230/460										
AMP	4/2										
RPM	3450										
FRAME	56J				HZ		60			PH	3
SER.F.	1.30			CODE		L	DES		B	CLASS	B
NEMA-NOM-EFF	81.5			PF		89					
RATING	40C AMB-CONT										
CC				USABLE AT 208V							5.2
DE	6203			ODE		6203					
ENCL	OPEN			SN							
	SFA 4.4/2.2										

Parts List		
Part Number	Description	Quantity
SA043915	SA 34F029X480G1	1.000 EA
RA039380	RA 34F029X480G1	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
HA3100A16	THRUBOLT 10-32 X 8.750	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
27PA1001	PKG GRP, PRINT PK1027A06	1.000 EA

AC Induction Motor Performance Data

Record # 7395 - Typical performance - not guaranteed values

Winding: 34WGX480-R001	Type: 3424M	Enclosure: OPEN
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1.5			Full Load Torque	2.3 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	4/2			Breakdown Torque	10.1 LB-FT
R.P.M.	3450			Pull-up Torque	7.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	10 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	17 A
Service Factor (S.F.)	1.15			No-load Current	1 A
NEMA Nom. Eff.	81.5	Power Factor	89	Line-line Res. @ 25°C	0.922 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	35°C
S.F. Amps	4.4/2.2			Temp. Rise @ S.F. Load	40°C

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	71	83	89	92	94	0
Efficiency	68	78.4	81.2	81.6	80.9	79.4	0
Speed	3545	3504	3460	3413	3364	3307	0
Line amperes	1.1	1.3	1.6	2	2.4	2.9	2.2

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





