

BALDOR® • RELIANCE

Product Information Packet

JM3120

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

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3424M	Elec. Spec:	34WGY691	CD Diagram:	CD0005
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34J770	Layout:	34LYJ770
Frame:	56J	Mounting:	F1	Poles:	02	Created Date:	
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	06-14-2011
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	JM3120								
SPEC.	34J770Y691								
HP	1.5								
VOLTS	230/460								
AMP	4.4/2.2								
RPM	3450								
FRAME	56J	HZ			60	PH		3	
SER.F.	1.30	CODE			L	DES		B	CLASS
NEMA-NOM-EFF	74	PF			86				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			5.5				
DE	6203	ODE			6203				
ENCL	OPEN	SN							
	SFA 5/2.5								

Parts List		
Part Number	Description	Quantity
SA104587	SA 34J770Y691	1.000 EA
RA096429	RA 34J770Y691	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
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3401A01SP	PU ENDPLATE, MACH	1.000 EA
34AD2000	BAFFLE PLATE, STAMPED	1.000 EA
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FH4001A04	DRIP COVER, STAMPED	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	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1256L	ALUM UL CSA CC	1.000 EA
27PA1001	PACKAGING GROUP	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 8002 - Typical performance - not guaranteed values

Winding: 34WGY691-R001	Type: 3424M	Enclosure: OPEN
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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	4.4/2.2			Breakdown Torque	9.6 LB-FT
R.P.M.	3450			Pull-up Torque	7.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	9.3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	17.8 A
Service Factor (S.F.)	1.3			No-load Current	1 A
NEMA Nom. Eff.	74	Power Factor	86	Line-line Res. @ 25°C	9.5 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	45°C
S.F. Amps	5.4/2.7			Temp. Rise @ S.F. Load	59°C
				Rotor inertia	0.0223 LF ²

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	56	70	79	86	90	88	91
Efficiency	53.7	67.6	73.4	74.2	74	74	74
Speed	3555	3523	3490	3456	3431	3338	3426
Line amperes	1.2	1.5	1.8	2.2	2.6	3.1	2.7

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





