

BALDOR® • RELIANCE

Product Information Packet

M3112A

.75HP,1725RPM,3PH,60HZ,56,3420M,OPEN,F1

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3420M	Elec. Spec:	34WG2100	CD Diagram:	CD0007
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34-1238	Layout:	34LY1238
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-22-2016
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	M3112A									
SPEC.	34-1238-2100									
HP	.75									
VOLTS	230/460									
AMP	3/1.5									
RPM	1725									
FRAME	56						HZ	60		
SER.F.	1.25						CODE	K		
NEMA-NOM-EFF	74						DES	B		
							CL	B		
RATING	40C AMB-CONT									
CC										
DE	6203						ODE	6203		
ENCL	OPEN						SN			
	SFA 3.4/1.7									

Parts List		
Part Number	Description	Quantity
SA008677	SA 34-1238-2100	1.000 EA
RA005124	RA 34-1238-2100	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
34EP3200A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3200A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 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
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0007	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA

AC Induction Motor Performance Data

Record # 6636 - Typical performance - not guaranteed values

Winding: 34WG2100-R001	Type: 3420M	Enclosure: OPEN
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.25 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	3/1.5			Breakdown Torque	10 LB-FT
R.P.M.	1725			Pull-up Torque	8.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.8 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	10 A
Service Factor (S.F.)	1.25			No-load Current	1.2 A
NEMA Nom. Eff.	74	Power Factor	60	Line-line Res. @ 25°C	17.68 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	48°C
S.F. Amps	3.4/1.7			Temp. Rise @ S.F. Load	59°C
				Locked-rotor Power Factor	59
				Rotor inertia	0.0476 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	42	55	64	71	76	71
Efficiency	56.1	69.7	74.7	76.2	76.1	75.2	76.1
Speed	1783	1766	1749	1731	1711	1693	1711
Line amperes	1.2	1.2	1.3	1.5	1.6	1.8	1.6

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





