

BALDOR® • RELIANCE

Product Information Packet

L1309A

1HP,3450RPM,1PH,60HZ,56,3428L,OPEN,F1

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3428L	Elec. Spec:	34WG3433	CD Diagram:	CD0269
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34F017	Layout:	34LYF017
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	11-04-2011
Leads:	4#16 A&J,2#18 B PH,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L										
CAT.NO.	L1309A									
SPEC.	34F017-3433									
HP	1									
VOLTS	115/230									
AMP	13.2/6.6									
RPM	3450									
FRAME	56	HZ			60	PH		1		
SER.F.	1.25	CODE			L	DES		N	CL	B
NEMA-NOM-EFF	70	PF			65					
RATING	40C AMB-CONT									
CC		USABLE AT 208V								
DE	6203	ODE			6203					
ENCL	OPEN	SN								
	SFA 14.8/7.4									

Parts List		
Part Number	Description	Quantity
SA039280	SA 34F017-3433	1.000 EA
RA035246	RA 34F017-3433	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
34EP3210A01SP	FR ENDPLATE, MACH	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
SP1006A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3212A02	PU ENDPLATE, MODEL 34 OPEN	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
HW2501D13SP	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	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
SP5056A24	34 TYPE L STATIONARY SWITCH W/ LEADS	1.000 EA
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
34PA1002	PACKING GROUP, BALDOR	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 6689 - Typical performance - not guaranteed values

Winding: 34WG3433-R001	Type: 3428L	Enclosure: OPEN
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	1.5 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	13.2/6.6			Breakdown Torque	5.27 LB-FT
R.P.M.	3450			Pull-up Torque	4.03 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	5.97 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	47.39 A
Service Factor (S.F.)	1.25			No-load Current	5.19 A
NEMA Nom. Eff.	70	Power Factor	65	Line-line Res. @ 25°C	1.639 Ω A Ph 1.622 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	34°C
S.F. Amps	14.8/7.4			Temp. Rise @ S.F. Load	41°C

Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	49	61	70	78	82	78
Efficiency	45.2	59.2	66.7	69.8	71.1	70.8	71.1
Speed	3561	3540	3515	3487	3456	3421	3456
Line amperes	5.29	5.55	5.98	6.62	7.45	8.44	7.45

Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values





