

BALDOR® • RELIANCE

Product Information Packet

L3507M

.75HP,1725RPM,1PH,60HZ,56,3428LC,TEFC,F1

Part Detail							
Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3428LC	Elec. Spec:	34WGW982	CD Diagram:	CD0320
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34G426	Layout:	34LYG426
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-22-2016
Leads:	6#18,1#16 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	L3507M									
SPEC.	34G426W982									
HP	.75									
VOLTS	115/230									
AMP	8.2/4.1									
RPM	1725									
FRAME	56						HZ	60		
SER.F.	1.25						CODE	L		
NEMA-NOM-EFF	74						DES	N		
							CL	B		
RATING	40C AMB-CONT									
CC							USABLE AT 208V		5.4	
DE	6203						ODE	6203		
ENCL	TEFC						SN			
	SFA 9.8/4.9									

Parts List		
Part Number	Description	Quantity
SA005891	SA 34G426W982	1.000 EA
RA002637	RA 34G426W982	1.000 EA
OC3020F12	CYL OIL CAP 20MFD/370V	1.000 EA
EC1460A05SP	ELEC CAP, 460-552 MFD, 125V, 2.06D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3102A02SP	FR/PU ENDPLATE, MACH	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
SP5051B17	MDL 34 TORQ STAT SW,TYPE LC, STD F1 & F2	1.000 EA
HA3100A37	THRUBOLT 10-32 X 8.500	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	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
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

Accessories		
Part Number	Description	Multiplier
34-171	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 7171 - Typical performance - not guaranteed values

Winding: 34WGW982-R001	Type: 3428LC	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.27 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	8.2/4.1			Breakdown Torque	5.5 LB-FT
R.P.M.	1725			Pull-up Torque	4.25 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	8.62 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	32.2 A
Service Factor (S.F.)	1.25			No-load Current	2.87 A
NEMA Nom. Eff.	74	Power Factor	80	Line-line Res. @ 25°C	3.08 Ω A Ph 1.75 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	62°C
S.F. Amps	9.8/4.9			Temp. Rise @ S.F. Load	80°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	59	70	78	83	86	83
Efficiency	50.3	67	71.8	73.6	72.9	71	72.9
Speed	1785	1770	1757	1740	1721	1698	1721
Line amperes	2.92	3.16	3.64	4.2	4.97	5.84	4.97

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





