

BALDOR® • RELIANCE

Product Information Packet

L3501

.33HP,1725RPM,1PH,60HZ,56,3414L,TEFC,F1

Part Detail							
Revision:	AJ	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3414L	Elec. Spec:	34WG5507	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34C061	Layout:	34LYC061
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-19-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	L3501												
SPEC.	34C61-5507												
HP	.33												
VOLTS	115/230												
AMP	6/3												
RPM	1725												
FRAME	56				HZ		60				PH	1	
SER.F.	1.35			CODE		L		DES		N		CLASS	B
NEMA-NOM-EFF	60				PF		60						
RATING	40C AMB-CONT												
CC					USABLE AT 208V								3.6
DE	6203				ODE		6203						
ENCL	TEFC			SN									
	SFA 6.8/3.4												

Parts List		
Part Number	Description	Quantity
SA008596	SA 34C61-5507	1.000 EA
RA005043	RA 34C61-5507	1.000 EA
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	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
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	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
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	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 # 6774 - Typical performance - not guaranteed values

Winding: 34WG5507-R001	Type: 3414L	Enclosure: TEFC
-------------------------------	--------------------	------------------------

Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33			Full Load Torque	1 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	6/3			Breakdown Torque	2.95 LB-FT
R.P.M.	1725			Pull-up Torque	2.55 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.6 LB-FT
NEMA Design Code	N	KVA Code	L	Starting Current	13 A
Service Factor (S.F.)	1.35			No-load Current	2.6 A
NEMA Nom. Eff.	60	Power Factor	60	Line-line Res. @ 25°C	6.32 Ω A Ph 4.93 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps	6.8/3.4			Temp. Rise @ S.F. Load	83°C

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	41	52	60	67	73	71
Efficiency	33	41	52	60	61.5	61.5	61.5
Speed	1780	1760	1745	1725	1705	1680	1690
Line amperes	2.6	2.7	2.8	3	3.3	3.7	3.4

Performance Graph at 230V, 60Hz, 0.33HP Typical performance - Not guaranteed values





