

BALDOR® • RELIANCE

Product Information Packet

VL3506A

.75HP,3450RPM,1PH,60HZ,56C,3424L,TEFC,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3424L	Elec. Spec:	34WG3514	CD Diagram:	CD0008
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34K043	Layout:	34LYK043
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	01-13-2006
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	10-28-2015
Leads:	6#18,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	VL3506A									
SPEC.	34K043-3514									
HP	.75									
VOLTS	115/230									
AMP	9.6/4.8									
RPM	3450									
FRAME	56C				HZ 60				PH 1	
SER.F.	1.25		CODE K		DES N		CL B			
NEMA-NOM-EFF	66		PF 74							
RATING	40C AMB-CONT									
CC			USABLE AT 208V							
DE	6203			ODE 6203						
ENCL	TEFC		SN							
	SFA 11.4/5.7									

Parts List		
Part Number	Description	Quantity
SA137507	SA 34K043-3514	1.000 EA
RA127113	RA 34K043-3514	1.000 EA
EC1400A03	ELEC CAP, 400-480 MFD, 125V, 1.81D 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
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 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
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA

Parts List (continued)		
Part Number	Description	Quantity
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0008	CONNECTION LABEL	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
34PA1002	PKG GRP, PRINT PK1001A01	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

AC Induction Motor Performance Data

Record # 6691 - Typical performance - not guaranteed values

Winding: 34WG3514-R001	Type: 3424L	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	1.15 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	9.6/4.8			Breakdown Torque	3.5 LB-FT
R.P.M.	3450			Pull-up Torque	2.7 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	3.7 LB-FT
NEMA Design Code	N	KVA Code	K	Starting Current	28 A
Service Factor (S.F.)	1.25			No-load Current	3.5 A
NEMA Nom. Eff.	66	Power Factor	74	Line-line Res. @ 25°C	2.5 Ω A Ph 2.5 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	78°C
S.F. Amps	11.4/5.7			Temp. Rise @ S.F. Load	92°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	51	62	70	76	81	76
Efficiency	47.2	61.1	66.5	68.7	68.7	66.7	68.7
Speed	3561	3534	3500	3464	3421	3365	3421
Line amperes	3.6	3.9	4.4	5	5.7	6.7	5.7

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





