

BALDOR® • RELIANCE

Product Information Packet

CL3506

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

Part Detail							
Revision:	X	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3424L	Elec. Spec:	34WG3405	CD Diagram:	CD0001
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34K053	Layout:	34LYK053
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	12-01-2015
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	CL3506											
SPEC.	34K53-3405											
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		CLASS	B
NEMA-NOM-EFF	66			PF		74						
RATING	40C AMB-CONT											
CC				USABLE AT 208V								6.1
DE	6203				ODE		6203					
ENCL	TEFC		SN									
	SFA 11.6/5.8											

Parts List		
Part Number	Description	Quantity
SA008202	SA 34K53-3405	1.000 EA
RA004649	RA 34K53-3405	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
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
SP5051B16	MDL 34 TORQ STAT SW,TYPE L , STD F1 & F2	1.000 EA
EC1400A03	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000 EA
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 6684 - Typical performance - not guaranteed values

Winding: 34WG3405-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	11.6/5.8			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	0
Efficiency	47.2	61.1	66.5	68.7	68.7	66.7	0
Speed	3561	3534	3500	3464	3421	3365	0
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





