

BALDOR® • RELIANCE

Product Information Packet

CL3506

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

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Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3424L	Elec. Spec:	34WG3405	CD Diagram:	
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34K053	Layout:	
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-07-2011
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:	

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								

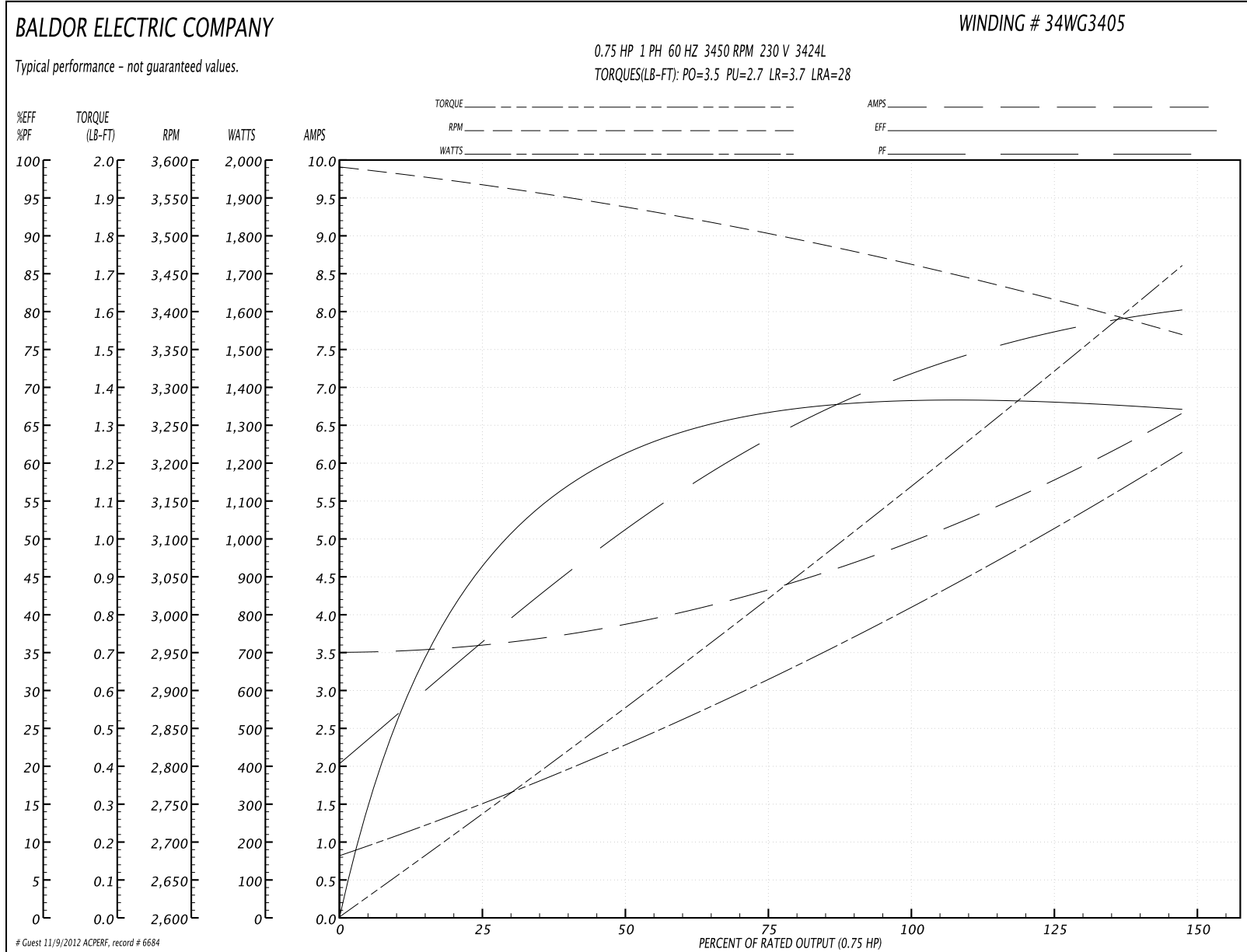
Parts List		
Part Number	Description	Quantity
SA008202	SA 34K53-3405	1.000 EA
RA004649	RA 34K53-3405	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 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
HW5100A03SP	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	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
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MG1000G27	PAINT- S9282E CHARCOAL GREY	0.014 GA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA

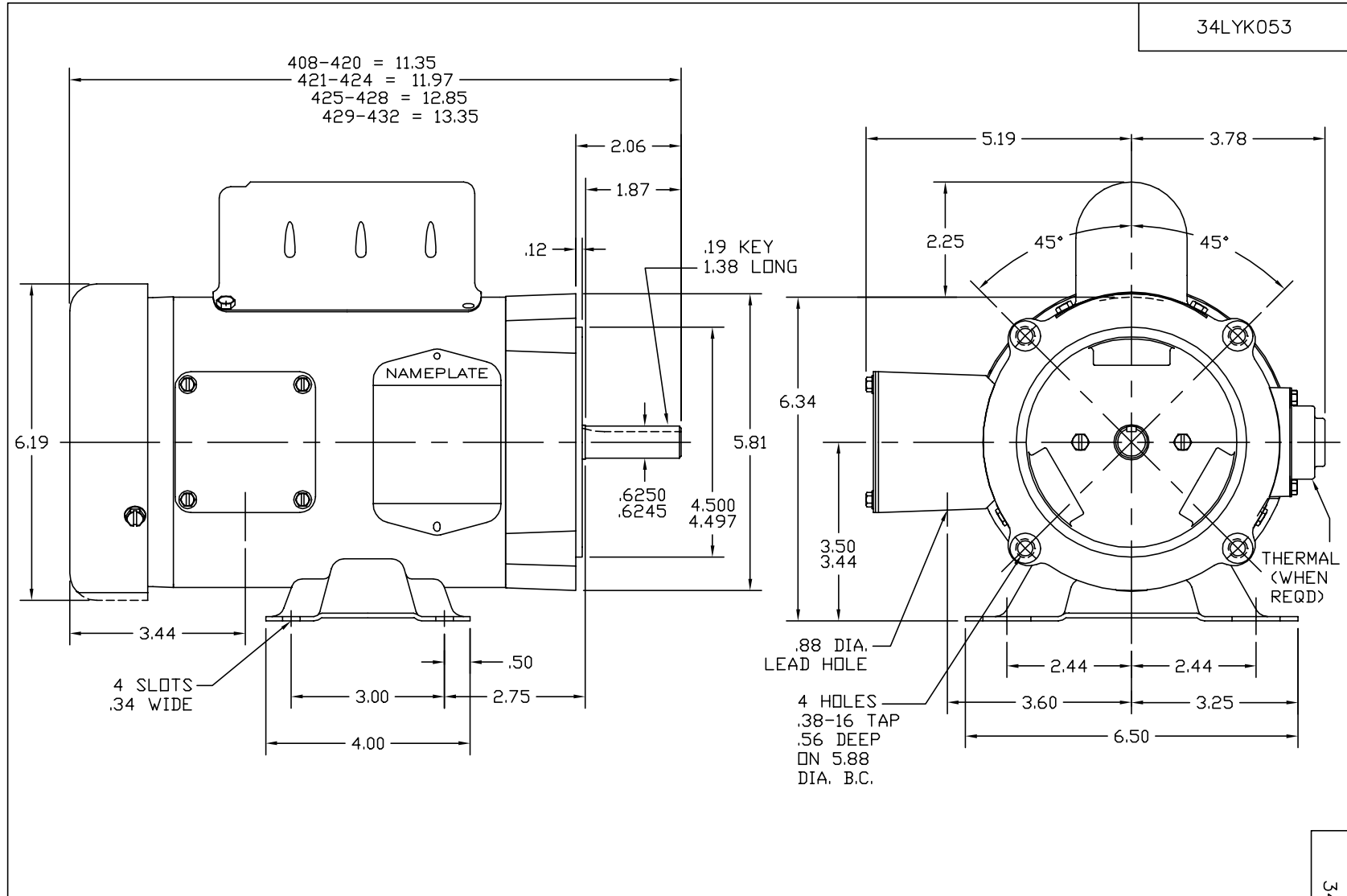
Parts List (continued)		
Part Number	Description	Quantity
EC1400A03SP	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	1.000 EA
SP5056A24	MODEL 34 TYPE L STATIONARY SWITCH WITH L	1.000 EA
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
34PA1005	PACKING GROUP, BALDOR	1.000 EA

Performance Data at 230V, 60Hz, 0.75HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:	1.15 LB-FT			Start Configuration:	DOL		
No-Load Current:	3.5 Amps			Break-Down Torque:	3.5 LB-FT		
Line-line Res. @ 25°C.:	2.5 Ohms A Ph / 2.5 Ohms B Ph			Pull-Up Torque:	2.7 LB-FT		
Temp. Rise @ Rated Load:	78 C			Locked-Rotor Torque:	3.7 LB-FT		
Temp. Rise @ S.F. Load:	92 C			Starting Current:	28.0 Amps		
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	36.0	51.0	62.0	70.0	76.0	81.0	0.0
Efficiency:	47.2	61.1	66.5	68.7	68.7	66.7	0.0
Speed:	3561.0	3534.0	3500.0	3464.0	3421.0	3365.0	0.0
Line Amperes:	3.6	3.9	4.4	5.0	5.7	6.7	5.7

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





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: UPDATED DRAWING			BALDOR ELECTRIC Co.
REV. LTR: E	VERSION: 01	TDR: 000000424850	
34LYK053	FILE: \AAA\00025\923	REVISED: 06:11:13 03/13/2007	STD HORZ 34L NEMA 56C TEFC W/35 CAPAC BOX
	MTL: -	BY: ENROSTO	

34LYK053

CD0001



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, 6 LEADS

CD0001