

BALDOR® • RELIANCE

Product Information Packet

EL3503

.5HP,3450RPM,1PH,60HZ,56,3413LC,TEFC,F1

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Part Detail									
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3413LC	Elec. Spec:	34WGS431	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34L277	Layout:			
Frame:	56	Mounting:	F1	Poles:	02	Created Date:	11-10-2008		
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	03-20-2012		
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP2116L									
CAT.NO.		EL3503							
SPEC.		34L277S431G1							
HP		.5							
VOLTS		115/230							
AMP		4.9/2.5							
RPM		3450							
FRAME		56	HZ			60	PH	1	
SER.F.		1.25	CODE			L	DES	N	CL B
NEMA-NOM-EFF		68	PF			84			
RATING		40C AMB-CONT							
CC			USABLE AT 208V						
DE		6203	ODE			6203			
ENCL		TEFC	SN						
		SFA 5.8/2.9							

Parts List		
Part Number	Description	Quantity
SA177298	SA 34L277S431G1	1.000 EA
RA165340	RA 34L277S431G1	1.000 EA
OC3025F11	CYL OIL CAP 25MFD/370V	1.000 EA
EC1400A03SP	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
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
34CB3801	CAPACITOR BOX, DIE CAST	1.000 EA
34GS3002	GASKET, CAPACITOR BOX	1.000 EA
51XB1214A08	12-14 X 1/2HX WS SL SR TYBX	2.000 EA
HW5100A03SP	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	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

Parts List (continued)		
Part Number	Description	Quantity
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
34GS5003A01	FOAM SLEEVE, ID = 2 1/16" X 4 3/8"	1.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
SP5056A18	MODEL 34 TYPE LC STATIONARY SWITCH WITH	1.000 EA
HA3100A44	THRUBOLT 10-32 X 8.000	4.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.014 GA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0001A01	CONN LABEL / WARNING LABEL (LC0001 / LB1	1.000 EA
NP2116L	ALUM SUPER-E UL CSA CC	1.000 EA
34PA1005	PACKING GROUP, BALDOR	1.000 EA

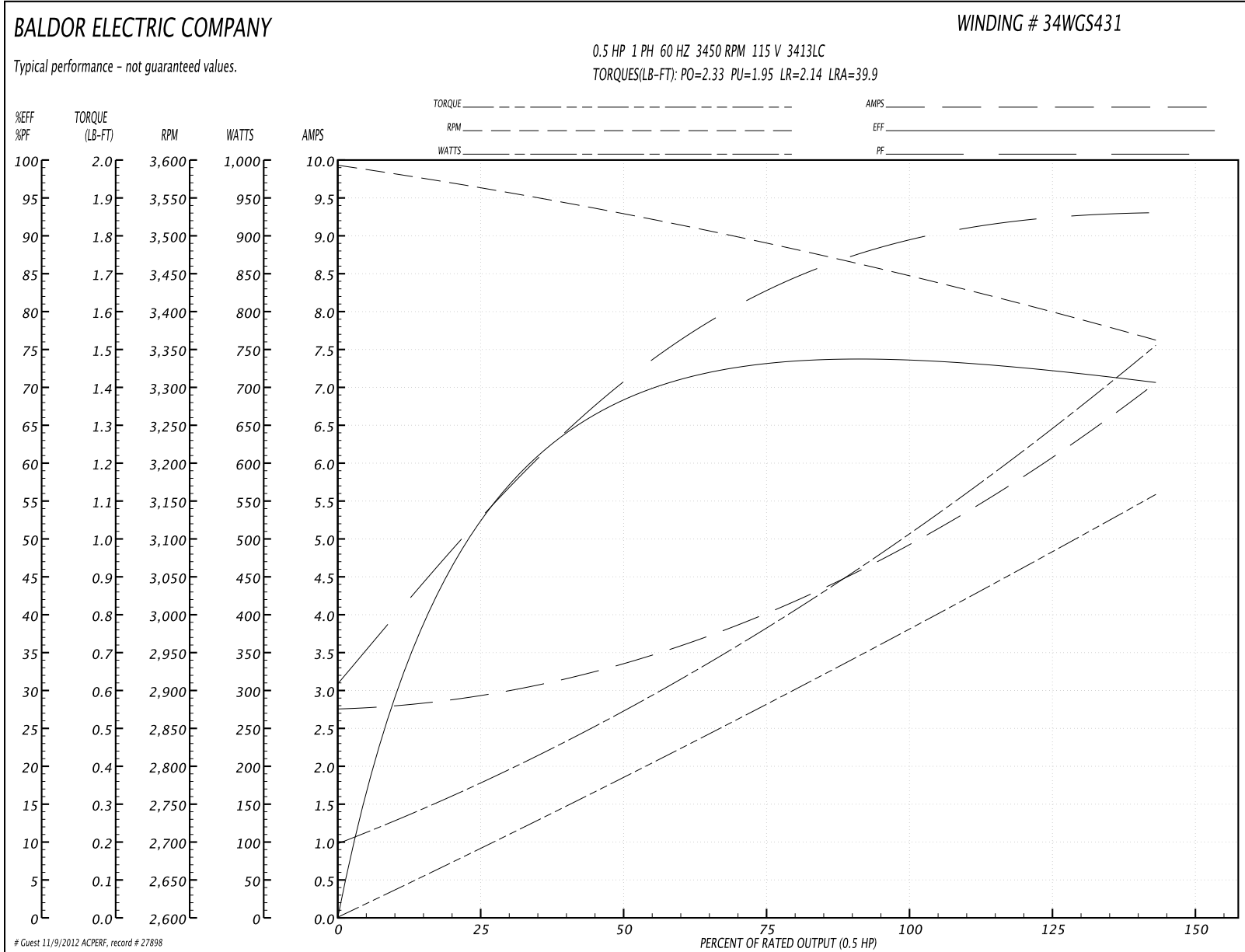
Performance Data at 115V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)**General Characteristics**

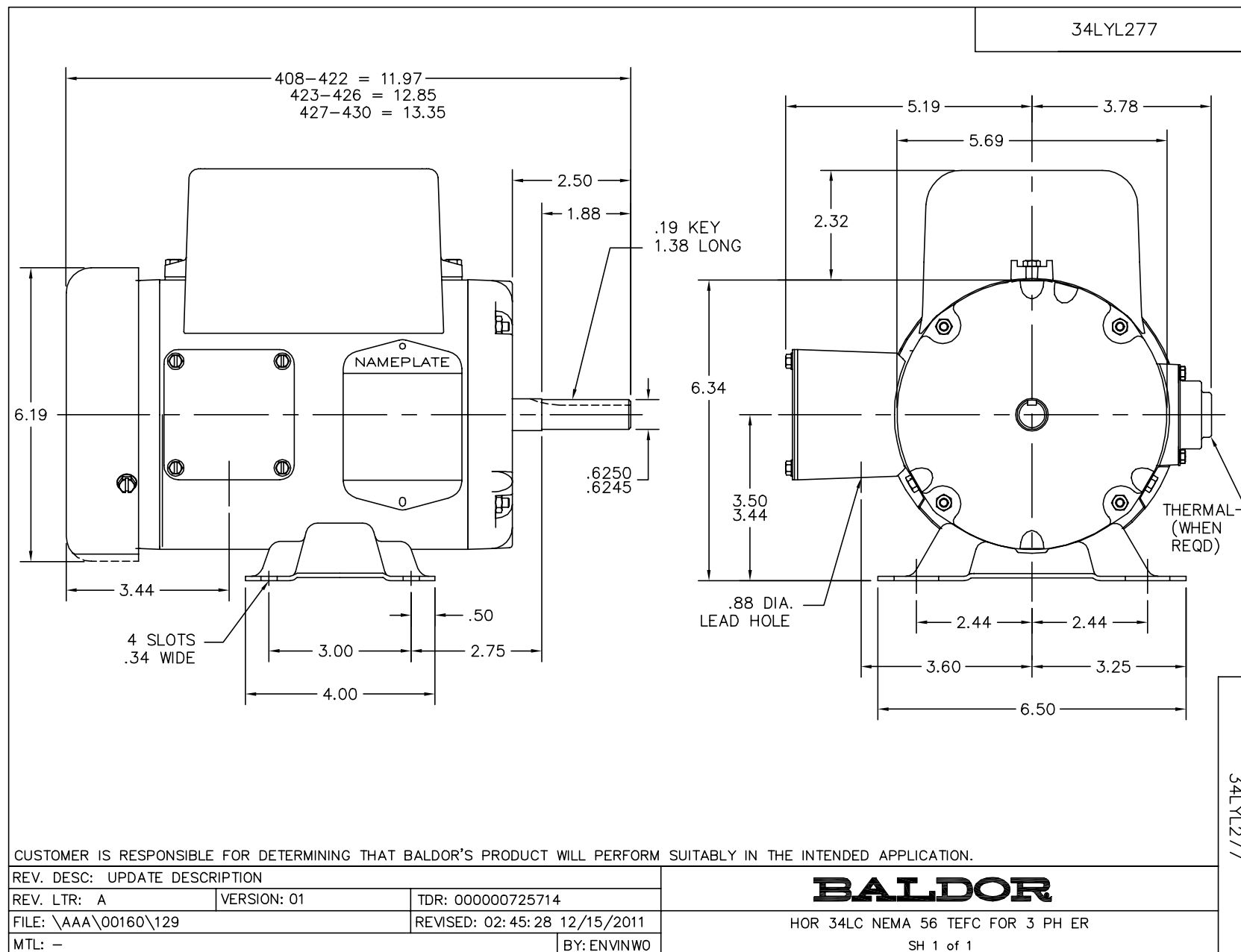
Full Load Torque:	0.748 LB-FT	Start Configuration:	DOL
No-Load Current:	2.72 Amps	Break-Down Torque:	2.33 LB-FT
Line-line Res. @ 25°C.:	1.06 Ohms A Ph / 4.65 Ohms B Ph	Pull-Up Torque:	1.95 LB-FT
Temp. Rise @ Rated Load:	46 C	Locked-Rotor Torque:	2.14 LB-FT
Temp. Rise @ S.F. Load:	53 C	Starting Current:	39.9 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	47.0	72.0	83.0	90.0	94.0	92.0	94.0
Efficiency:	59.0	66.6	72.5	73.4	72.5	70.8	72.5
Speed:	3551.0	3524.0	3494.0	3456.0	3413.0	3355.0	3413.0
Line Amperes:	2.97	3.39	4.02	4.85	5.8	7.13	5.8

Performance Graph at 115V, 60Hz, 0.5HP Typical performance - Not guaranteed values





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