

BALDOR® • RELIANCE

Product Information Packet

KBL3406

.33HP,1725RPM,1PH,60HZ,56C,BRAKE,3414L

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Part Detail									
Revision:	AH	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3414L	Elec. Spec:	34WG5507	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34K027	Layout:			
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:			
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	11-21-2011		
Leads:	6#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1256L									
CAT.NO.	KBL3406								
SPEC.	34K27-5507-B								
HP	.33								
VOLTS	115/230								
AMP	6/3								
RPM	1725								
FRAME	56C	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								

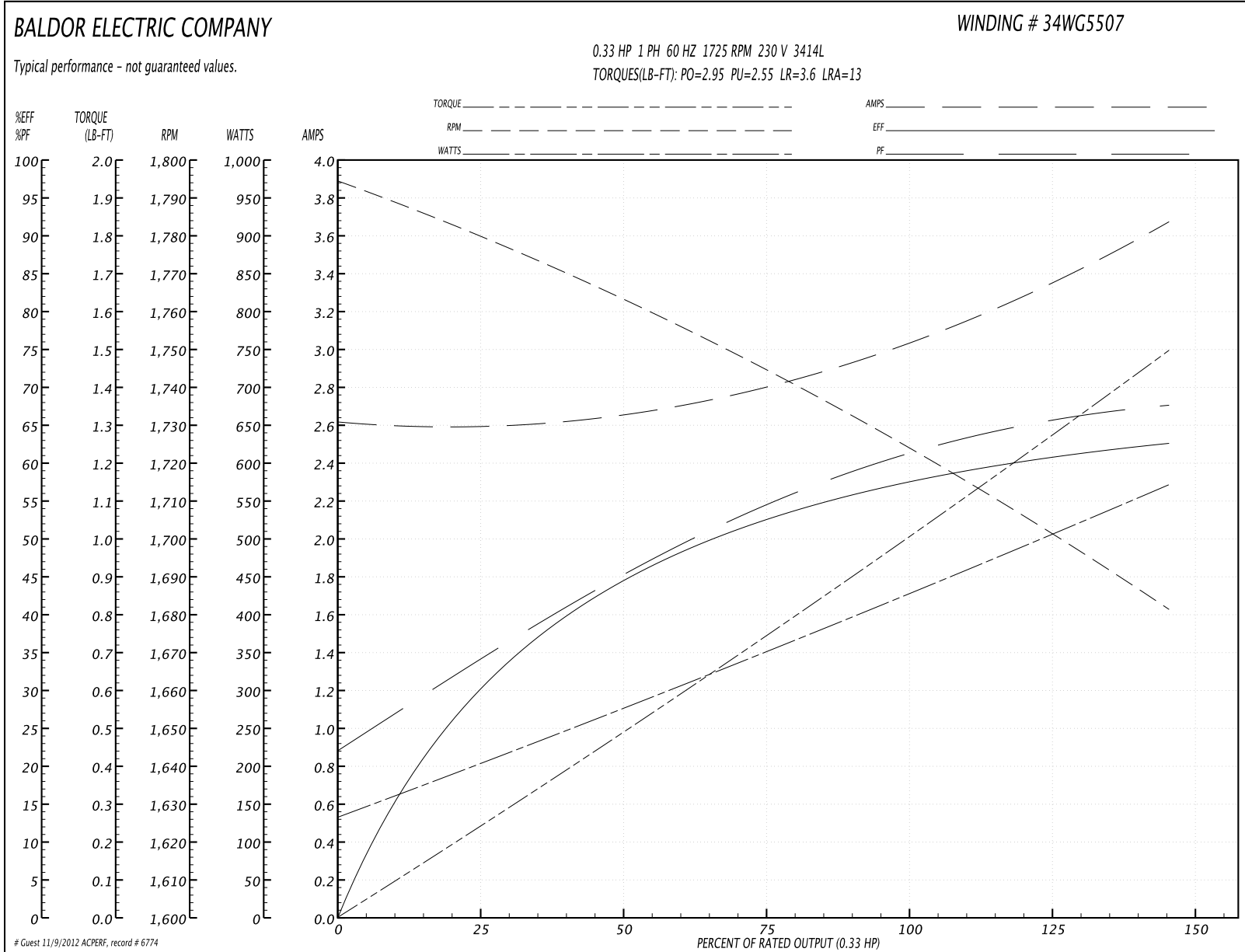
Parts List		
Part Number	Description	Quantity
SA008128	SA 34K27-5507-B	1.000 EA
RA004575	RA 34K27-5507-B	1.000 EA
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
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
HA2001A01	SPACER, .218 ID X .250 LG	2.000 EA
11XT0832A12	8-32 X 3/4 HX WSHD SLTD, TY23	2.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED	1.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	1.000 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
34FN3002A03	EXTERNAL FAN, PLASTIC, .500 HUB I.D. W/5	1.000 EA
HW2500A13	KEY, USA #605, WOODRUFF	1.000 EA
18XN2520A08	1/4-20X1/2 FLAT HD SLTD X	2.000 EA
34FH4002A05	IEC FH W/DEEPER DIMPLES FOR BRAKE COVER	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

Parts List (continued)		
Part Number	Description	Quantity
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
34EP3900T09	FR ENDPLATE, MACH	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
LB1185	LABEL,BRAKE CONNECTION (ON ROLLS)	1.000 EA
SP5056A24	MODEL 34 TYPE L STATIONARY SWITCH WITH L	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
48BK6101BP-D	BRAKE, DRILL FOR COVER	1.000 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
27PA1001	PACKAGING GROUP	1.000 EA
PK3083T	STYROFOAM PACKING CRADLE W/TAPE	1.000 EA

Performance Data at 230V, 60Hz, 0.33HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		1.0 LB-FT		Start Configuration:		DOL	
No-Load Current:		2.6 Amps		Break-Down Torque:		2.95 LB-FT	
Line-line Res. @ 25°C.:		6.32 Ohms A Ph / 4.93 Ohms B Ph		Pull-Up Torque:		2.55 LB-FT	
Temp. Rise @ Rated Load:		67 C		Locked-Rotor Torque:		3.6 LB-FT	
Temp. Rise @ S.F. Load:		83 C		Starting Current:		13.0 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	31.0	41.0	52.0	60.0	67.0	73.0	71.0
Efficiency:	33.0	41.0	52.0	60.0	61.5	61.5	61.5
Speed:	1780.0	1760.0	1745.0	1725.0	1705.0	1680.0	1690.0
Line Amperes:	2.6	2.7	2.8	3.0	3.3	3.7	3.4

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



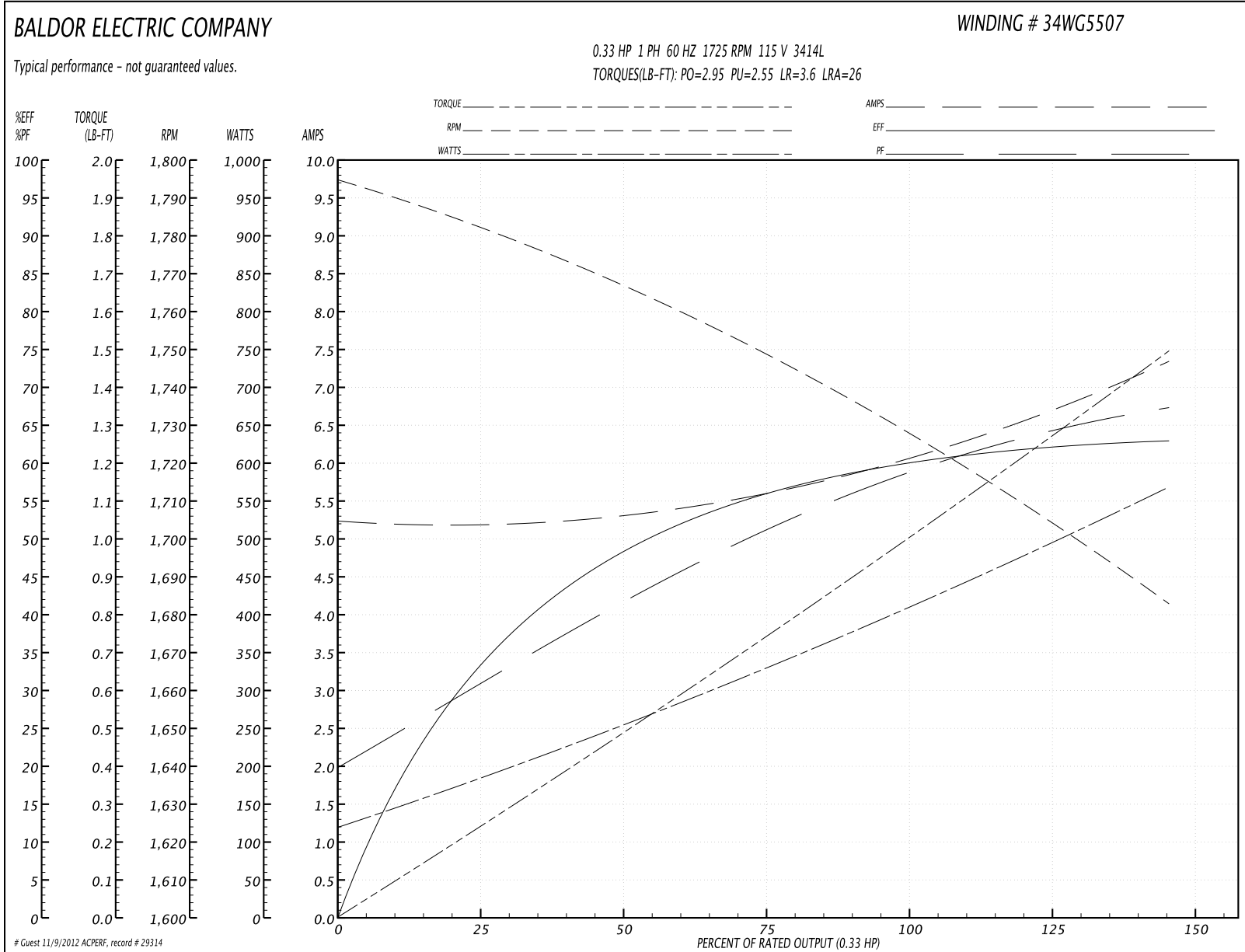
Performance Data at 115V, 60Hz, 0.33HP (Typical performance - Not guaranteed values)**General Characteristics**

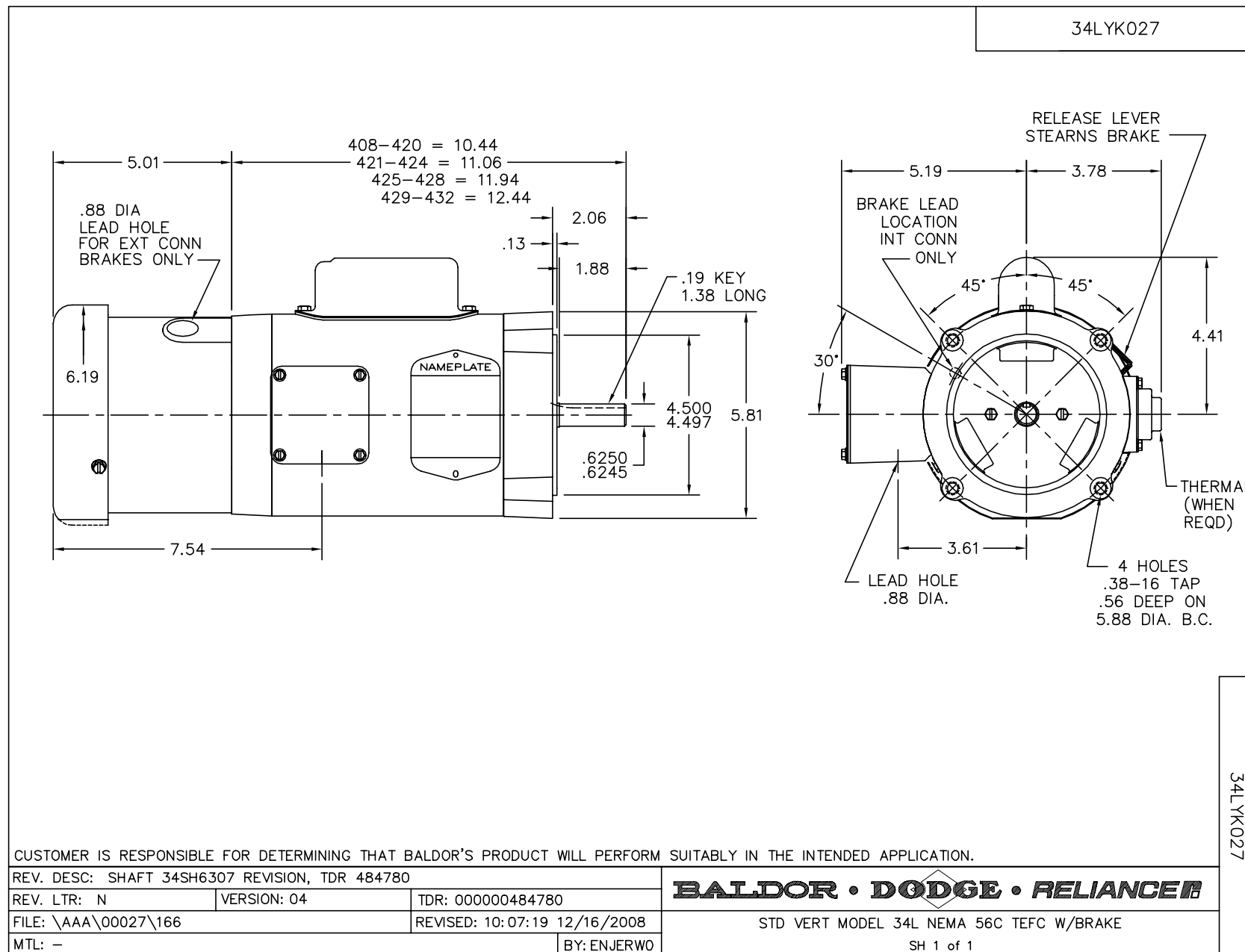
Full Load Torque:	1.0 LB-FT	Start Configuration:	DOL
No-Load Current:	5.2 Amps	Break-Down Torque:	2.95 LB-FT
Line-line Res. @ 25°C.:	1.5 Ohms A Ph / 4.81 Ohms B Ph	Pull-Up Torque:	2.55 LB-FT
Temp. Rise @ Rated Load:	68 C	Locked-Rotor Torque:	3.6 LB-FT
Temp. Rise @ S.F. Load:	81 C	Starting Current:	26.0 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	31.0	41.0	52.0	59.0	65.0	67.0	66.0
Efficiency:	34.0	49.0	56.0	59.9	62.0	63.0	62.4
Speed:	1783.0	1765.0	1745.0	1730.0	1710.0	1680.0	1698.0
Line Amperes:	5.2	5.4	5.6	6.0	6.6	7.4	6.92

Performance Graph at 115V, 60Hz, 0.33HP Typical performance - Not guaranteed values





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