

BALDOR® • RELIANCE

Product Information Packet

KBL3409

.5HP,1725RPM,1PH,60HZ,56C,BRAKE,3421L

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Part Detail									
Revision:	AH	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3421L	Elec. Spec:	34WG5422	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.	KBL3409								
SPEC.	34K27-5422-B								
HP	.5								
VOLTS	115/230								
AMP	7.4/3.7								
RPM	1725								
FRAME	56C	HZ			60	PH	1		
SER.F.	1.25	CODE			J	DES	N	CLASS	B
NEMA-NOM-EFF	68	PF			66				
RATING	40C AMB-CONT								
CC				USABLE AT 208V		4.3			
DE	6203	ODE			6203				
ENCL	TEFC	SN							
	SFA 8.2/4.1								

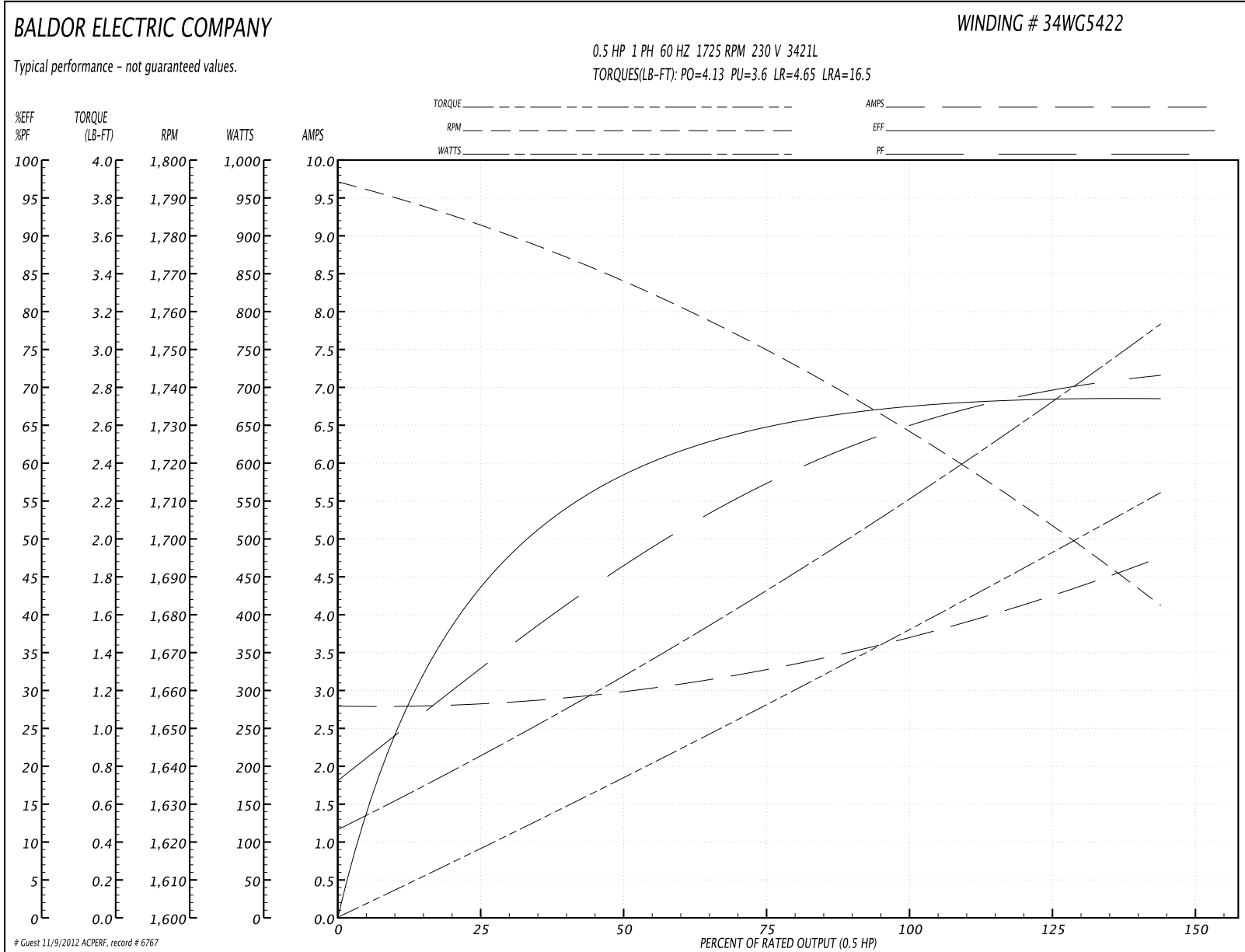
Parts List		
Part Number	Description	Quantity
SA008127	SA 34K27-5422-B	1.000 EA
RA004574	RA 34K27-5422-B	1.000 EA
EC1270A02SP	ELEC CAP, 270-324 MFD, 125V, 1.48D X 3.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
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
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
HA3100A44	THRUBOLT 10-32 X 8.000	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, 0.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		1.5 LB-FT		Start Configuration:		DOL	
No-Load Current:		2.8 Amps		Break-Down Torque:		4.13 LB-FT	
Line-line Res. @ 25°C.:		4.44 Ohms A Ph / 3.19 Ohms B Ph		Pull-Up Torque:		3.6 LB-FT	
Temp. Rise @ Rated Load:		63 C		Locked-Rotor Torque:		4.65 LB-FT	
Temp. Rise @ S.F. Load:		77 C		Starting Current:		16.5 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	32.0	46.0	59.0	66.0	72.0	80.0	72.0
Efficiency:	42.0	58.0	65.0	68.0	69.0	68.0	69.0
Speed:	1783.0	1765.0	1750.0	1730.0	1710.0	1680.0	1710.0
Line Amperes:	2.8	3.0	3.3	3.7	4.1	4.8	4.1

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values



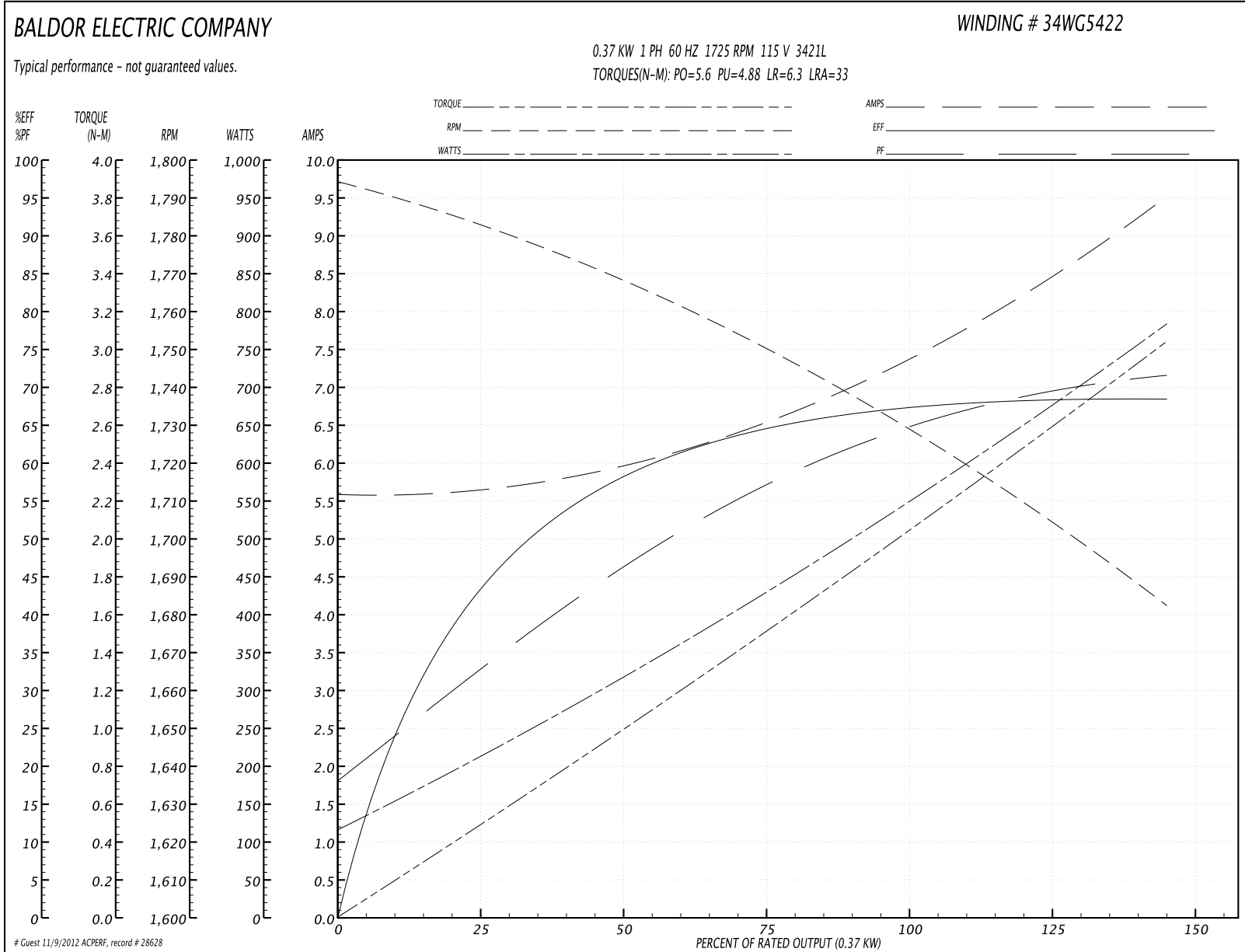
Performance Data at 115V, 60Hz, 0.37KW (Typical performance - Not guaranteed values)**General Characteristics**

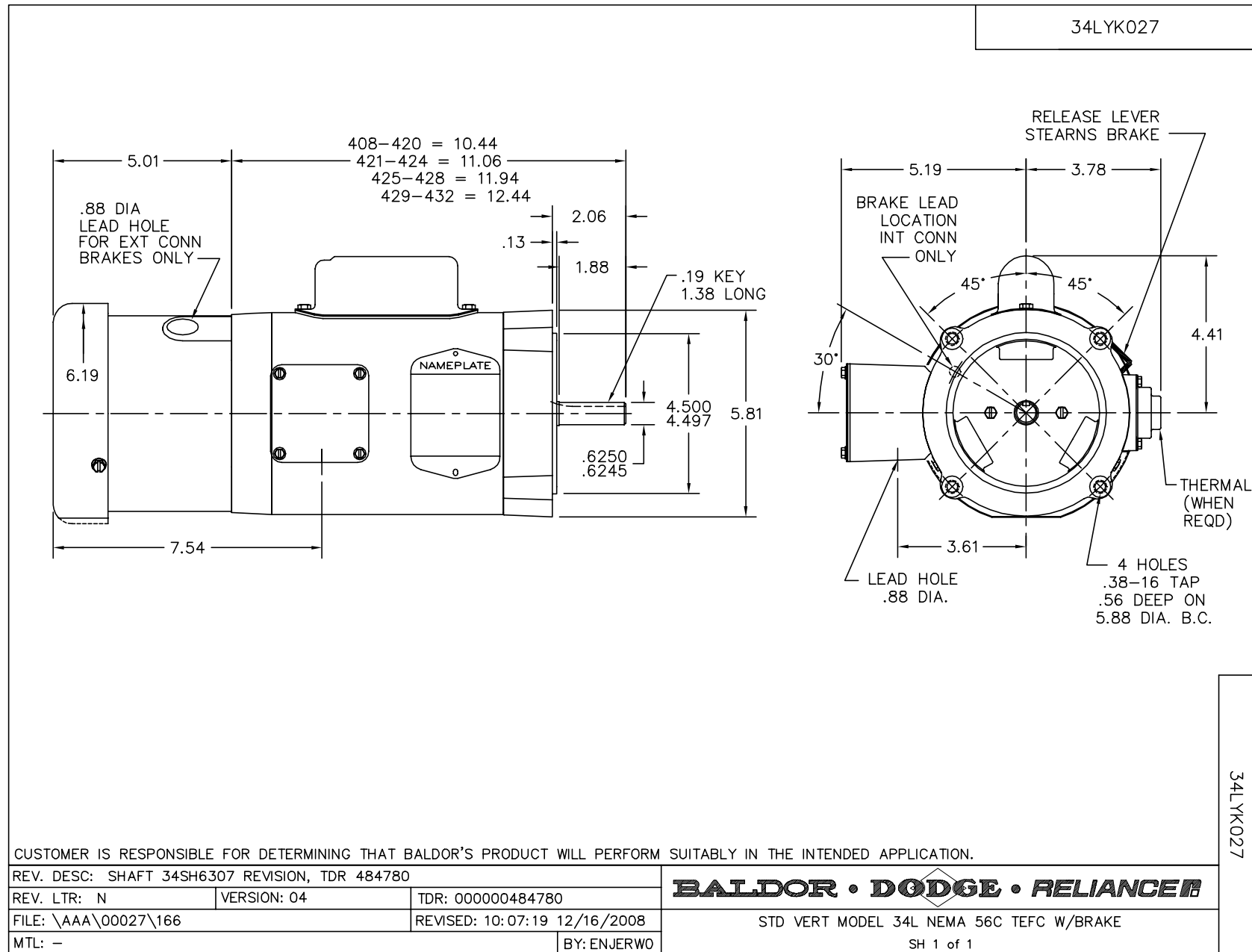
Full Load Torque:	2.03 N-M	Start Configuration:	DOL
No-Load Current:	5.6 Amps	Break-Down Torque:	5.6 N-M
Line-line Res. @ 25°C.:	1.06 Ohms A Ph / 3.13 Ohms B Ph	Pull-Up Torque:	4.88 N-M
Temp. Rise @ Rated Load:	63 C	Locked-Rotor Torque:	6.3 N-M
Temp. Rise @ S.F. Load:	77 C	Starting Current:	33.0 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	35.0	47.0	57.0	64.0	70.0	72.0	70.0
Efficiency:	41.9	58.2	64.8	67.9	68.9	67.9	68.9
Speed:	1783.0	1765.0	1750.0	1730.0	1710.0	1680.0	1710.0
Line Amperes:	5.6	6.0	6.6	7.4	8.2	9.6	8.2

Performance Graph at 115V, 60Hz, 0.37KW Typical performance - Not guaranteed values





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