



Product Information Packet

KBL3406

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

Part Detail							
Revision:	AV	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG5507	CD Diagram:	CD0001	Mfg Plant:	
Mech. Spec:	34K027	Layout:	34LYK027	Poles:	04	Created Date:	
Base:	N	Eff. Date:	05-06-2022	Leads:	6#18		

Specs			
Catalog Number:	KBL3406	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	56C	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Cap Start, Induction Run	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.330 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3414L
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	60
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Product Type:	BRAKE MOTOR
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	No Mounting	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	RoHS Status:	ROHS COMPLIANT

Current @ Voltage:	3.000 A @ 230.0 V	Shaft Extension Location:	Pulley End
	3.600 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	6.000 A @ 115.0 V	Shaft Rotation:	Reversible
Design Code:	N	Shaft Slinger Indicator:	No Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Brake Mounting	Thermal Device - Winding:	None
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
		Winding Thermal 2:	None

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												

AC Induction Motor Performance Data

Record # 6774

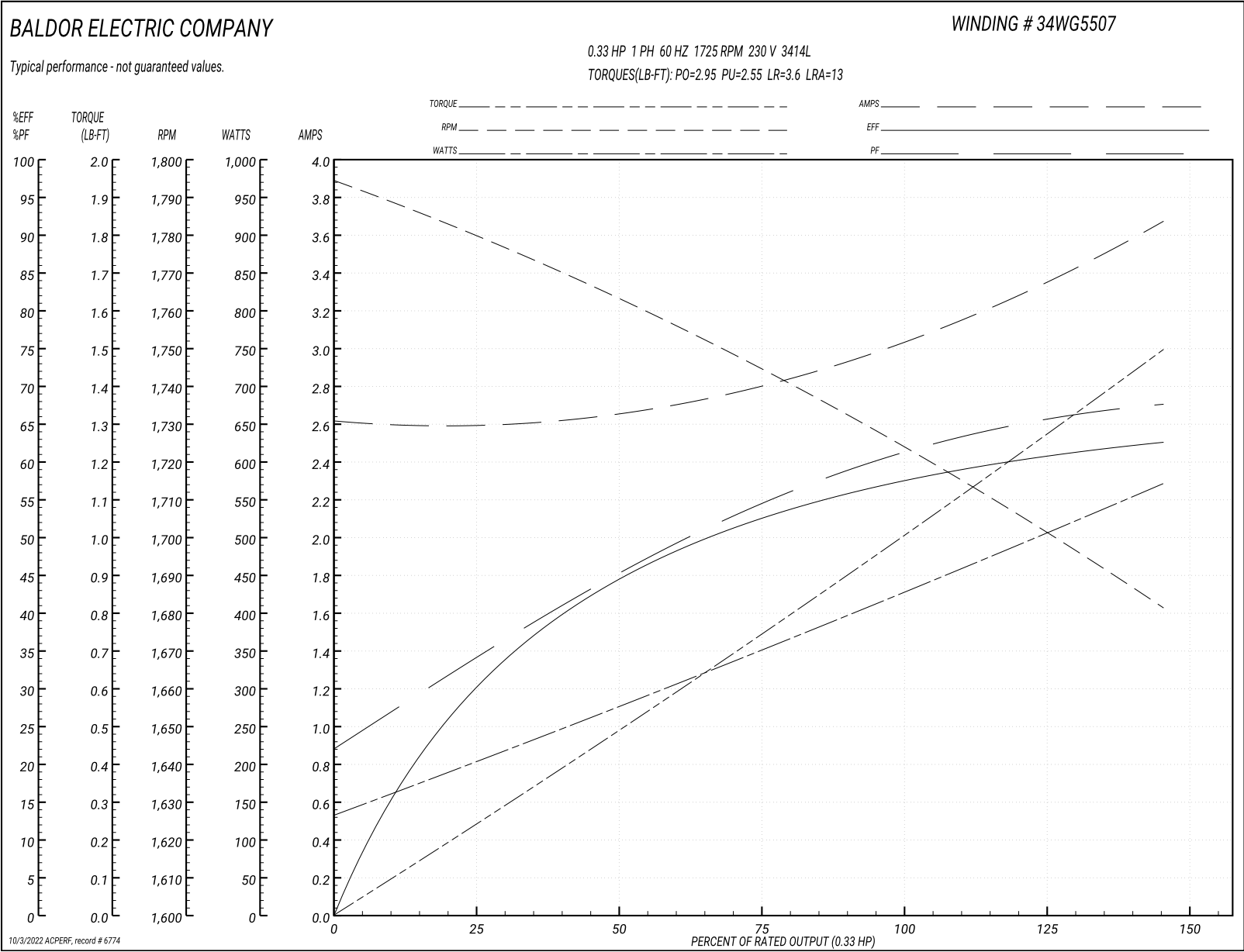
Typical performance - not guaranteed values

Winding: 34WG5507-R001				Type: 3414L		Enclosure: TEFC	
Nameplate Data				230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.33		Full Load Torque		1 LB-FT	
Volts		115/230		Start Configuration		direct on line	
Full Load Amps		6/3		Breakdown Torque		2.95 LB-FT	
R.P.M.		1725		Pull-up Torque		2.55 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque		3.6 LB-FT	
NEMA Design Code		N	KVA Code	L	Starting Current		13 A
Service Factor (S.F.)		1.35		No-load Current		2.6 A	
NEMA Nom. Eff.		60	Power Factor	60	Line-line Res. @ 25°C		6.32 Ω A Ph 4.93 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		67°C	
S.F. Amps		6.8/3.4		Temp. Rise @ S.F. Load		83°C	

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	41	52	60	67	73	71
Efficiency	33	41	52	60	61.5	61.5	61.5
Speed	1780	1760	1745	1725	1705	1680	1690
Line amperes	2.6	2.7	2.8	3	3.3	3.7	3.4

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



AC Induction Motor Performance Data

Record # 29314

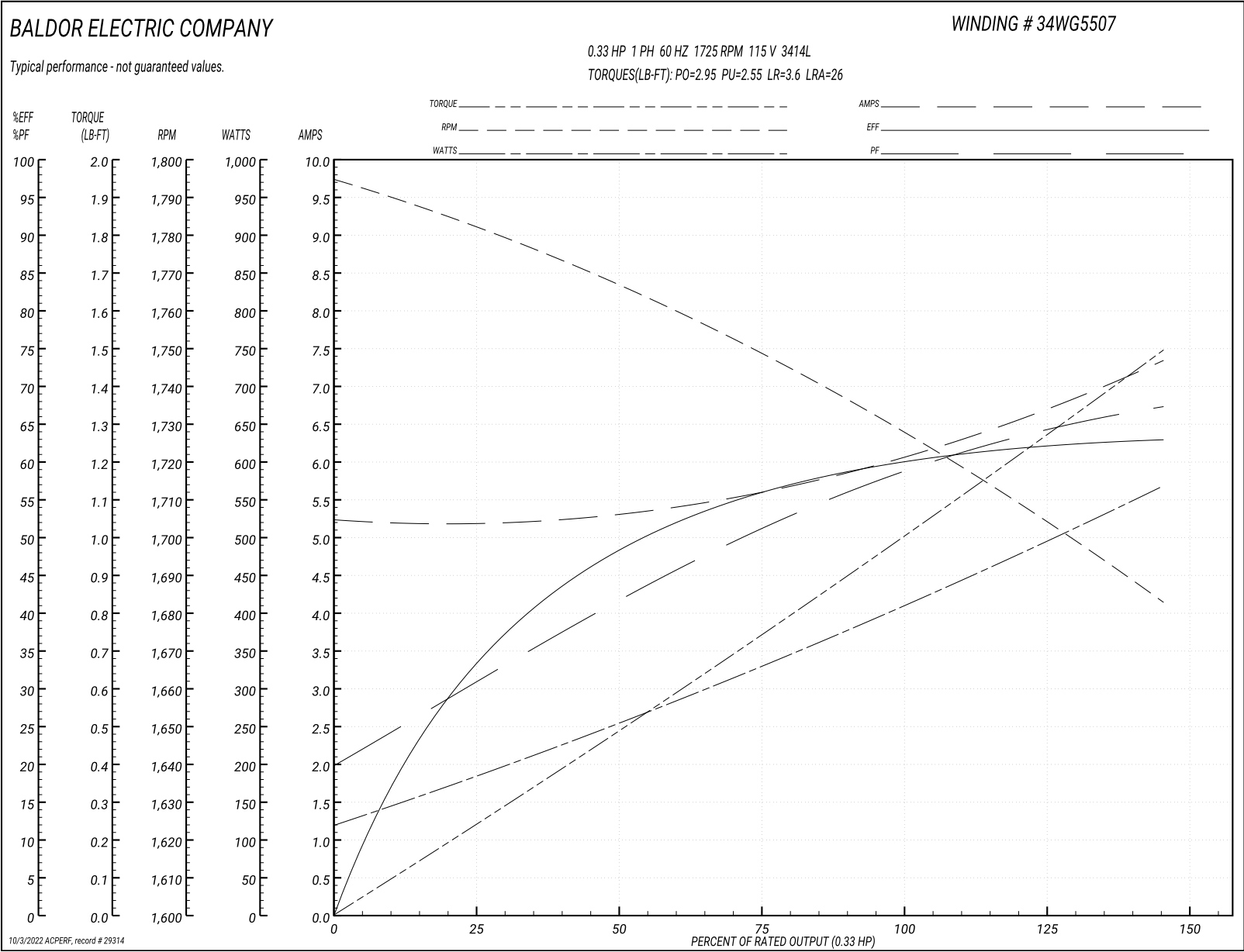
Typical performance - not guaranteed values

Winding: 34WG5507-R001			Type: 3414L		Enclosure: TEFC		
Nameplate Data			115 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		.33	Full Load Torque		1 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		6/3	Breakdown Torque		2.95 LB-FT		
R.P.M.		1725	Pull-up Torque		2.55 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		3.6 LB-FT	
NEMA Design Code		N	KVA Code	L	Starting Current		26 A
Service Factor (S.F.)		1.35		No-load Current		5.2 A	
NEMA Nom. Eff.		60	Power Factor	60	Line-line Res. @ 25°C		1.5 Ω A Ph 4.81 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		68°C	
S.F. Amps		6.8/3.4		Temp. Rise @ S.F. Load		81°C	

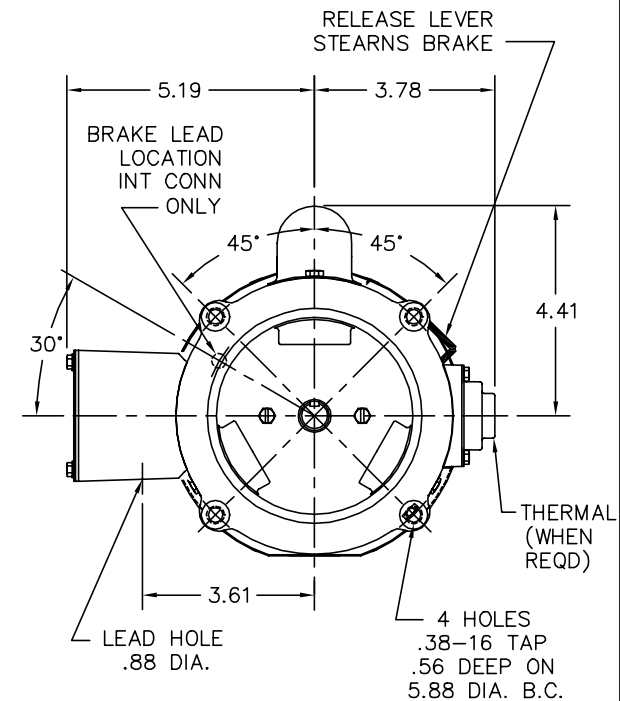
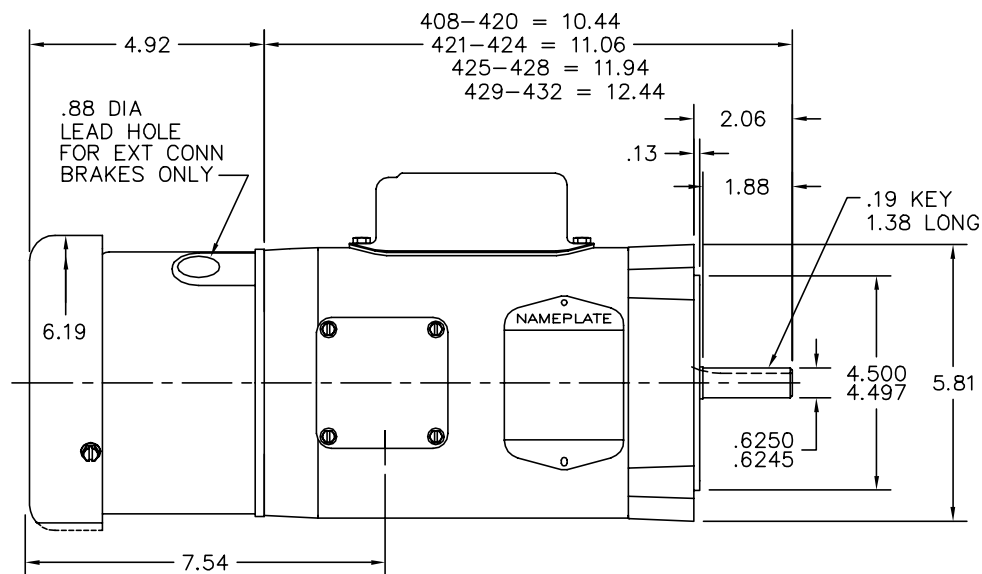
Load Characteristics 115 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	41	52	59	65	67	66
Efficiency	34	49	56	59.9	62	63	62.4
Speed	1783	1765	1745	1730	1710	1680	1698
Line amperes	5.2	5.4	5.6	6	6.6	7.4	6.92

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



34LYK027



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE XREF & DIM

REV. LTR: P

VERSION: 05

TDR: 000000870666

FILE: \AAA\00027\166

REVISED: 03: 47: 05 09/11/2014

BY: ENFRAJ0

MTL: -

BALDOR

VERT MODEL 34L NEMA 56C TEFC W/BRAKE

SH 1 of 1

34LYK027

