

BALDOR® • RELIANCE

Product Information Packet

GLP3342

G.M. F32LF 115/208-230VAC 58 RPM 30:1

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	33WGX078	CD Diagram:	CD0055A02	Mfg Plant:	
Mech. Spec:		Layout:	33E969X078G1	Poles:	04	Created Date:	04-23-2015
Base:		Eff. Date:	05-02-2017	Leads:	6#18		

Specs			
Enclosure:	TEFC		
Gearhead Type:	PARALLEL SHAFT		
Gear Ratio:	30:1		
Gear Style:	PSL		
Connection Diagram:	CD0055A02		
Dimensional Drawing Numbers:	33E969X078G1		
Duty Rating:	CONT		
Frame Material:	Steel		
Insulation Class:	F		
KVA Code:	G		

Nameplate NP1220A07

CAT.NO.	GLP3342		
SER.NO			
SPEC.	33E969X078G1		
HP	.5	TE	
VOLTS	115/208-230		
AMP	5.08/2.8-2.54		
HZ	60	PH	1
AMB.	40	DUTY	CONT
CAP		CODE	G
SER.F.	1.00	CLASS	F
R.P.M.	58		
TORQ/IN LB	484		
RATIO	30:1		
APRV-CSA		APRV-UL	

AC Induction Motor Performance Data

Record # 51762 - Typical performance - not guaranteed values

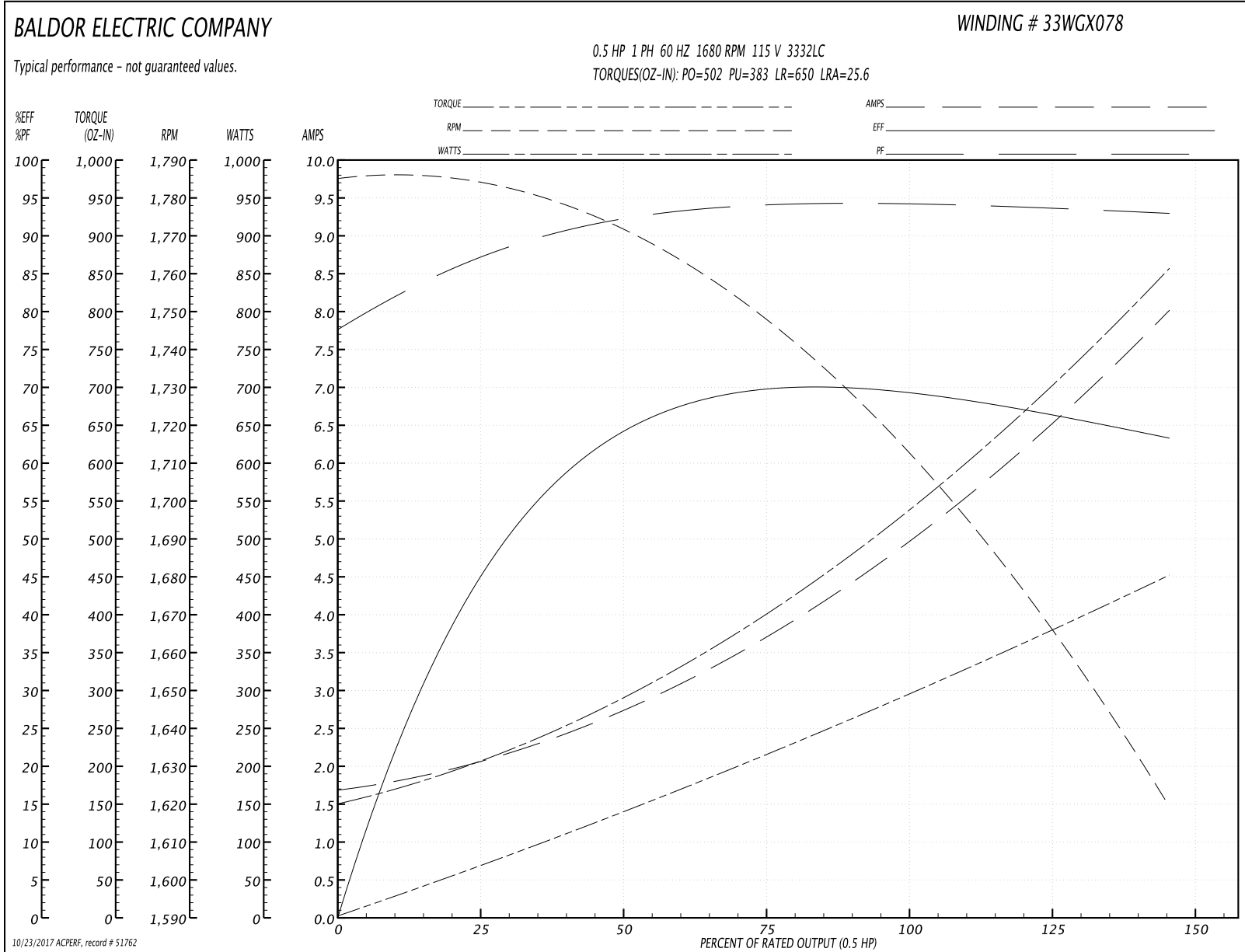
Winding: 33WGX078-R001	Type: 3332LC	Enclosure: TEFC
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	296 OZ-IN
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	5.08/2.6-2.54			Breakdown Torque	502 OZ-IN
R.P.M.	1680			Pull-up Torque	383 OZ-IN
Hz	60	Phase	1	Locked-rotor Torque	650 OZ-IN
NEMA Design Code	-	KVA Code	G	Starting Current	25.6 A
Service Factor (S.F.)	1			No-load Current	1.54 A
NEMA Nom. Eff.	72	Power Factor	94	Line-line Res. @ 25°C	7.4127 Ω A Ph 7.5604 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	88	92	93	94	94	93
Efficiency	42.4	60.3	68.5	72.4	68.8	61.4
Speed	1778	1763	1743	1721	1682	1605
Line amperes	2.17	2.92	3.79	4.8	6.29	8.26

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



AC Induction Motor Performance Data

Record # 51763 - Typical performance - not guaranteed values

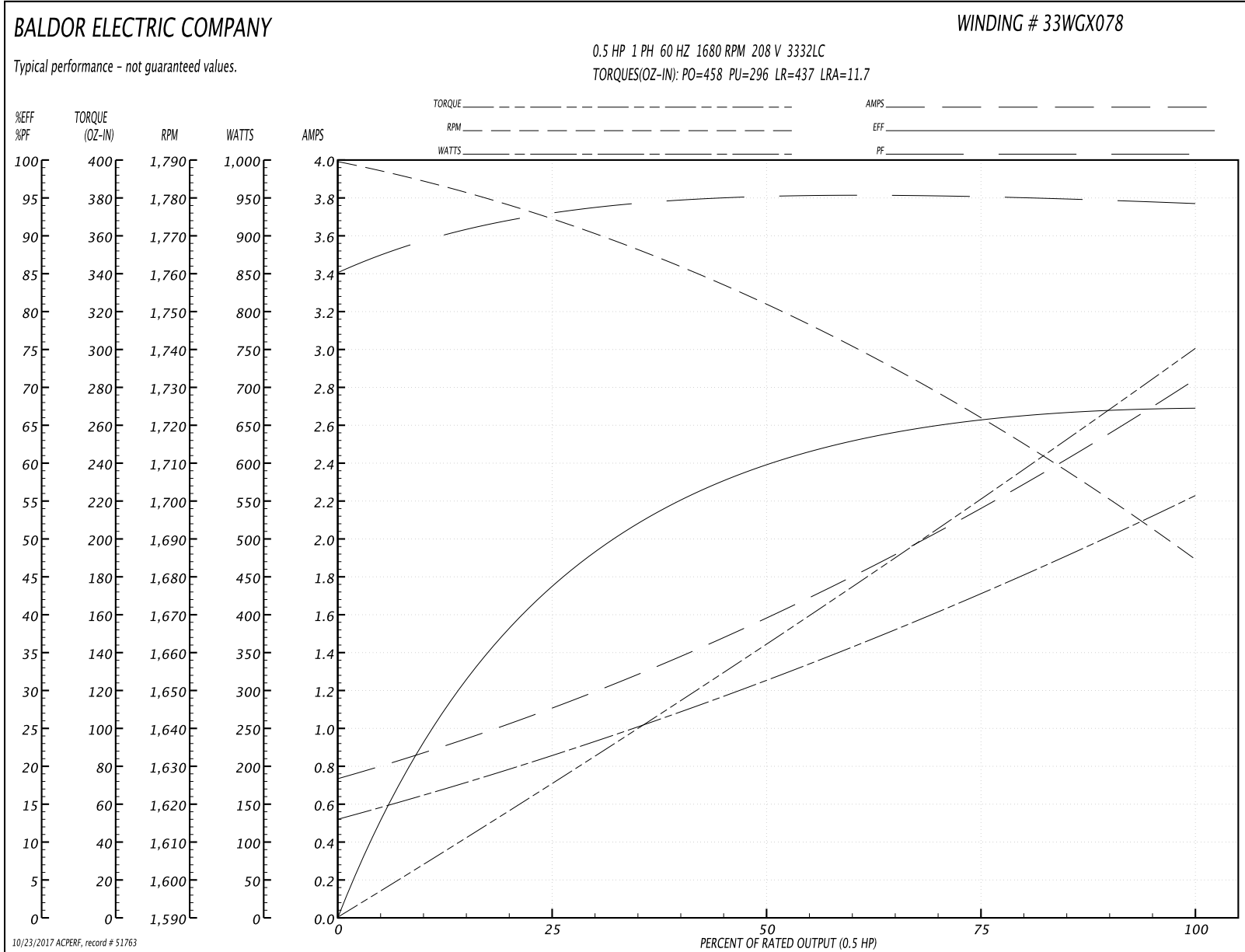
Winding: 33WGX078-R001	Type: 3332LC	Enclosure: TEFC
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Nameplate Data				208 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	301 OZ-IN
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	5.08/2.6-2.54			Breakdown Torque	458 OZ-IN
R.P.M.	1680			Pull-up Torque	296 OZ-IN
Hz	60	Phase	1	Locked-rotor Torque	437 OZ-IN
NEMA Design Code	-	KVA Code	G	Starting Current	11.7 A
Service Factor (S.F.)	1			No-load Current	0.72 A
NEMA Nom. Eff.	72	Power Factor	94	Line-line Res. @ 25°C	7.4127 Ω A Ph 7.5604 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 208 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100
Power Factor	93	95	95	94
Efficiency	42.4	59.4	66.8	66.7
Speed	1772	1752	1725	1683
Line amperes	1.13	1.58	2.13	2.86

Performance Graph at 208V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 51766 - Typical performance - not guaranteed values

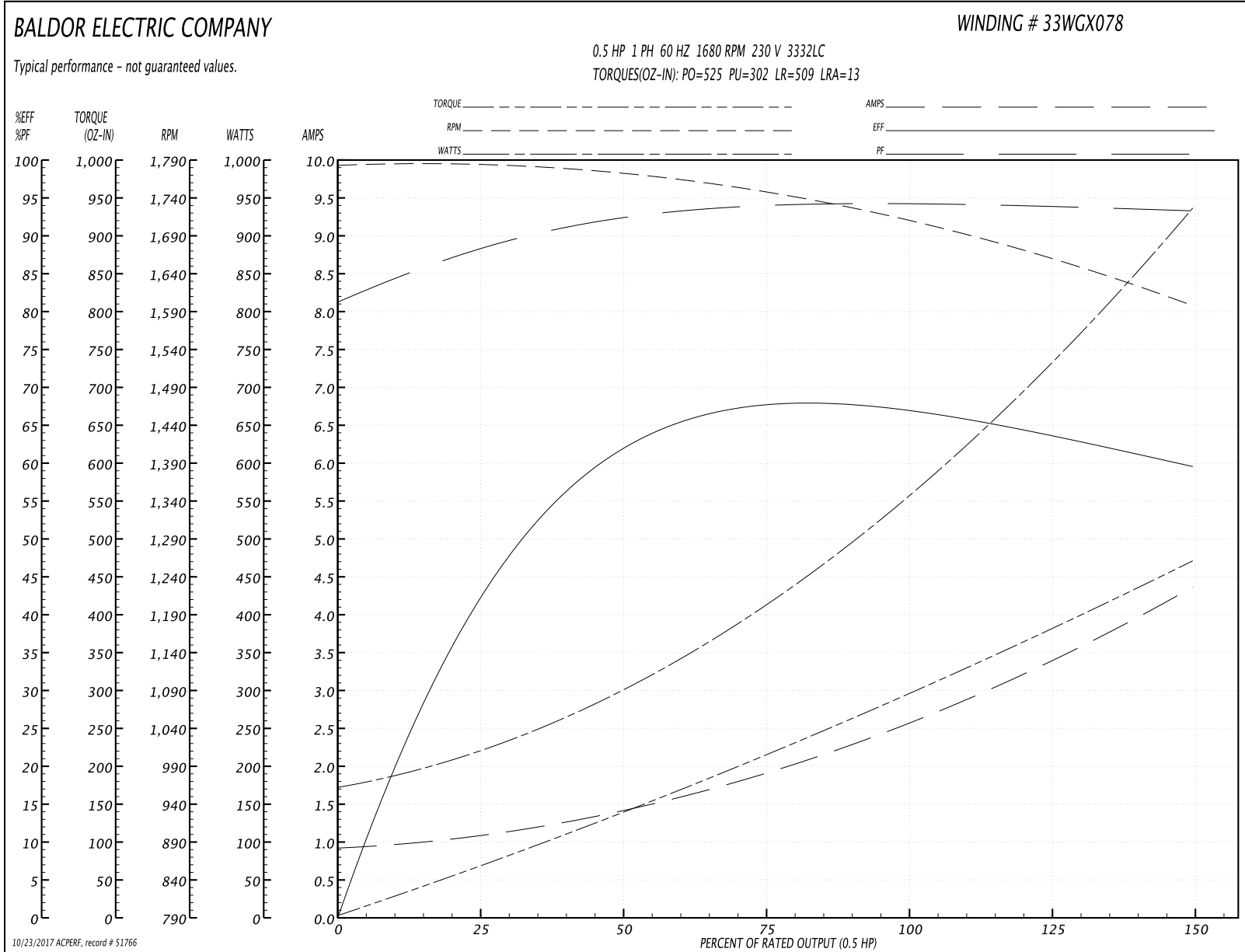
Winding: 33WGX078-R001	Type: 3332LC	Enclosure: TEFC
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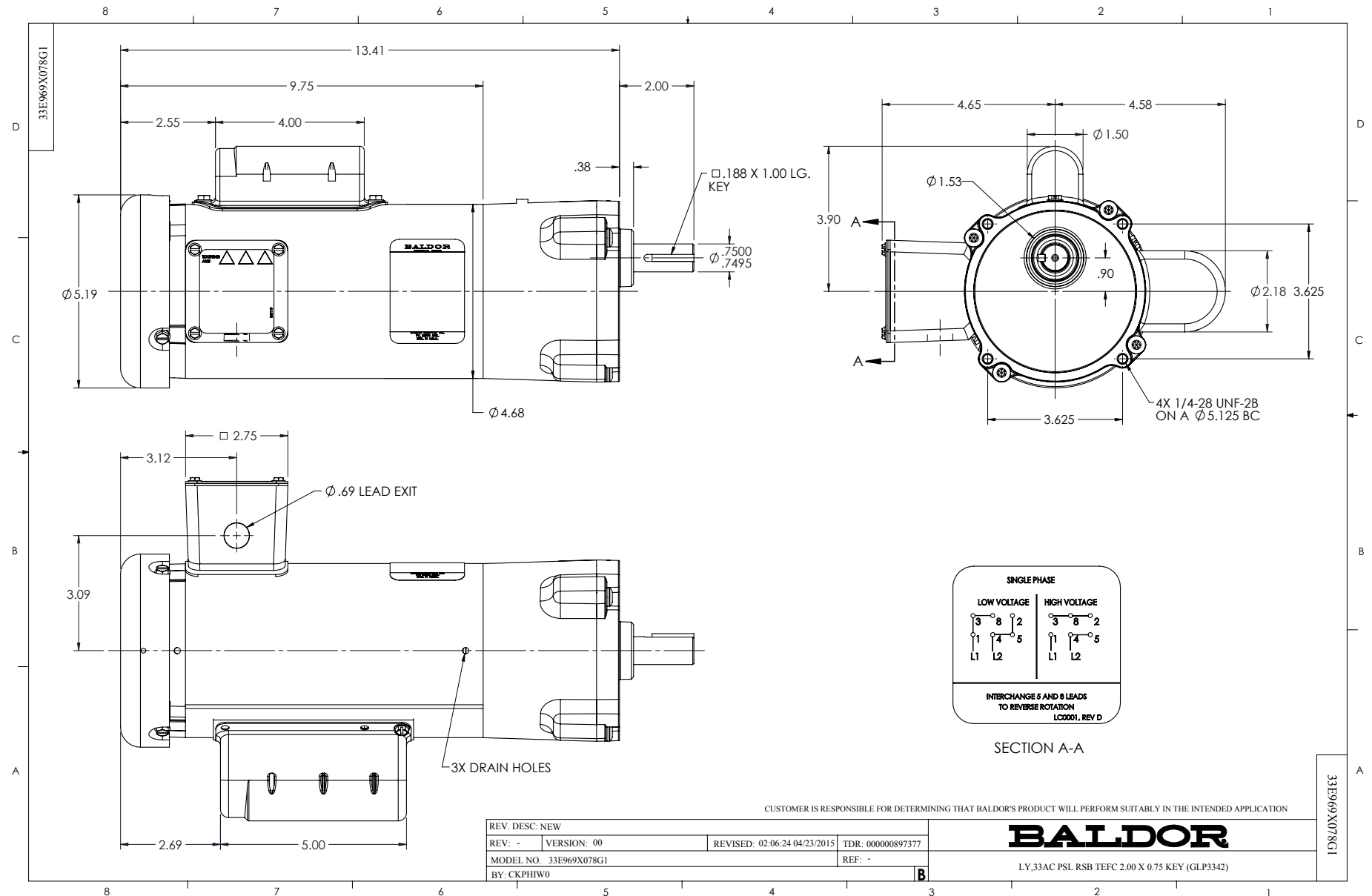
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	295 OZ-IN
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	5.08/2.6-2.54			Breakdown Torque	525 OZ-IN
R.P.M.	1680			Pull-up Torque	302 OZ-IN
Hz	60	Phase	1	Locked-rotor Torque	509 OZ-IN
NEMA Design Code	-	KVA Code	G	Starting Current	13 A
Service Factor (S.F.)	1			No-load Current	0.81 A
NEMA Nom. Eff.	72	Power Factor	94	Line-line Res. @ 25°C	7.4127 Ω A Ph 7.5604 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	80°C

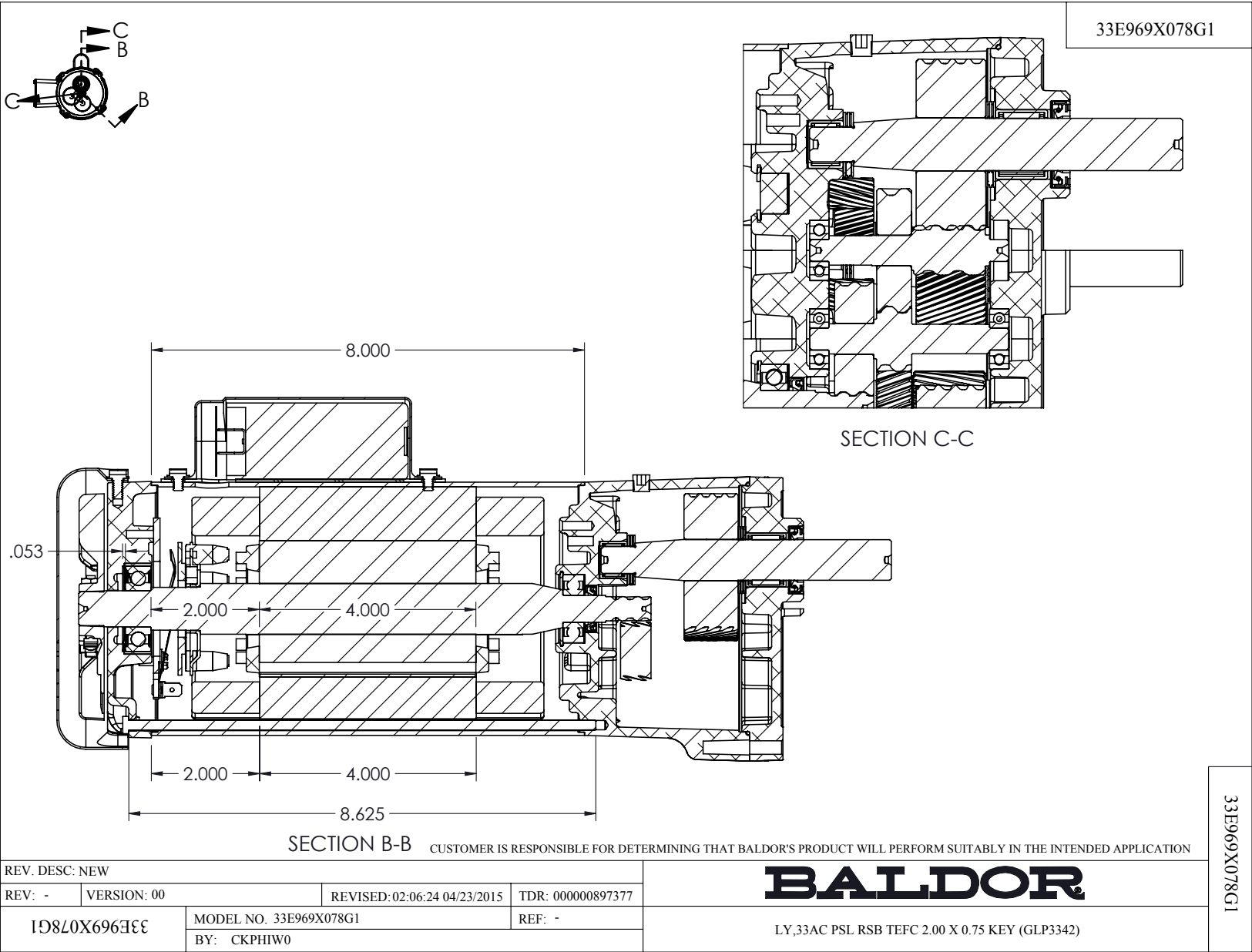
Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	90	90	94	95	94	93
Efficiency	38.9	57.1	66.1	69.3	68.1	57.4
Speed	1779	1762	1743	1717	1678	1584
Line amperes	1.15	1.58	1.96	2.48	3.16	4.55

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







ITEM NO.	PART NUMBER	QTY.
1	HG0076A16	1
2	BMH1714	2
3	BH1165A02	1
4	HW5002A95	1
5	HW4600D35	1
6	BH1163A02	1
7	HA4021A05	1
8	HW3064E05	1
9	33SH7271D02	1
10	33RC4132-00	1
11	RS9005A03	1
12	BG6203C03	1
13	33SA9200D94	1
14	NS2512A01	1
15	34GS1029A01	1
16	34CB3002C	1
17	51XB1016A07	2
18	11XT1032G06	1
19	34GS1031A01	1
20	34CB4517	1
21	51XT0832A07	4
22	34GS3000	1
23	34CB4800	1
24	EC1189A02	1
25	NS2500A01	1
26	51XB1016A04	4
27	35GS3001A02	1
28	33CB4800A02	1
29	OC3025F11	1
30	NS2501A01	1
31	33EP3100A01	1
32	HW5109A05	1
33	SP5073	1
34	51XW0832A07	2
35	HA3100A56	2
36	33FN3000	1
37	12XN0832A16	1
38	HW1003A08	1
39	XY0832A02	1
40	33FH4000A01	1
41	51XB1016A06	3
42	SG0045C11	1
43	SG0045C12	1
44	SG0045C13	1
45	CG0012A01	1
46	RM1020A22	1
47	BH1163A03	1
48	HW4600D39	1
49	60XM2520A12	4
50	BMH1910	1
51	NP1220A07	1
52	LB1119	1
53	LC0001	1

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

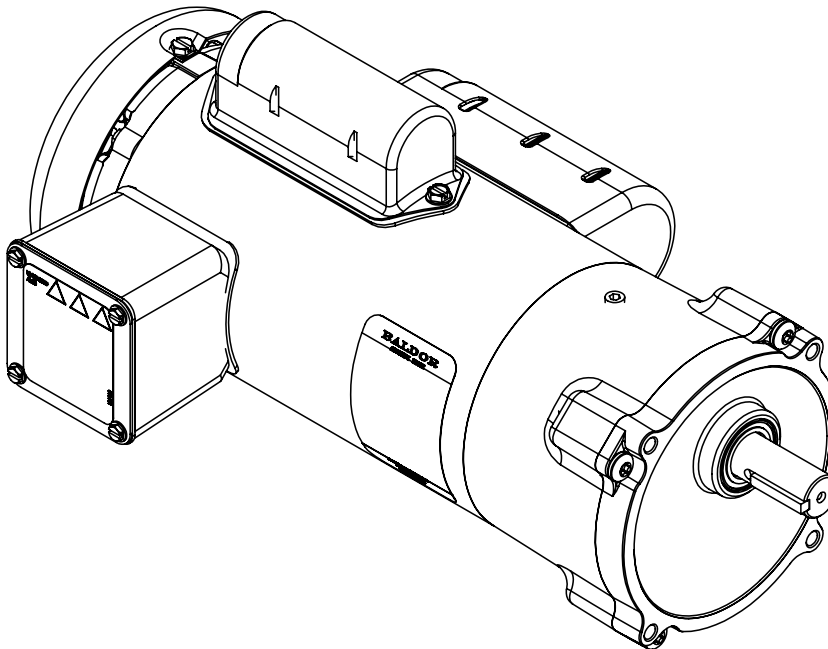
REV. DESC: NEW

REV: - VERSION: 00 REVISED: 02:06:24 04/23/2015 TDR: 000000897377

1G8L0X0696E3C

MODEL NO. 33E969X078G1

BY: CKPHIW0



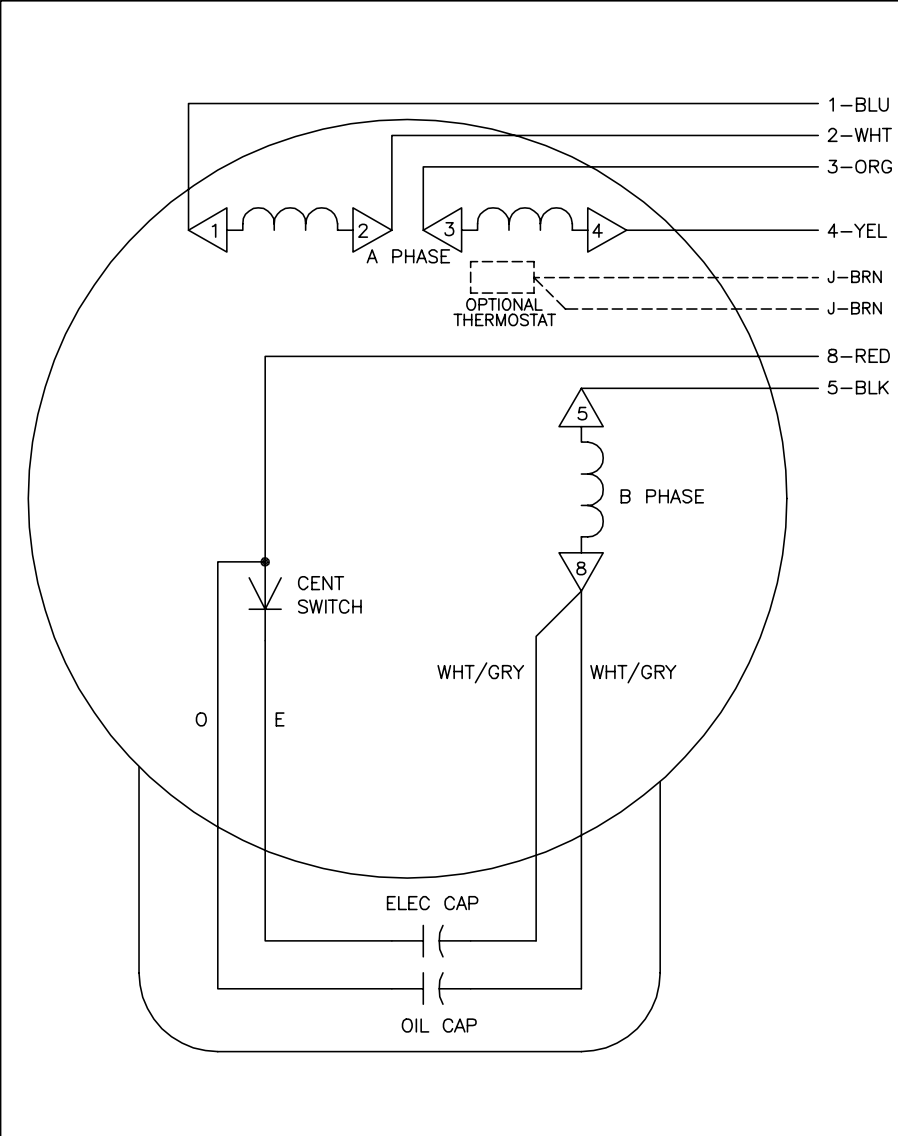
33E969X078G1

33E969X078G1

BALDOR

LY,33AC PSL RSB TEFC 2.00 X 0.75 KEY (GLP3342)

CD0055A02



	LINE A	LINE B	JOIN
HIGH STD	1	4,5	2,3,8
HIGH OPP	1	4,8	2,3,5
LOW STD	1,3,8	2,4,5	—
LOW OPP	1,3,5	2,4,8	—

- NOTES:
1. STANDARD ROTATION IS CCW FACING LEAD END
 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
 3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.
 5.  = MAGNET WIRE COIL END WITH I.D. NUMBER

REV. DESC: CORRECT CAP LEADS			
REV. LTR: A	VERSION: 01	TDR: 000000437028	
CD0055A02	FILE: \CKA\00032\289	REVISED: 15:00:52 07/06/2007	
	MTL: —	BY: CKPHIWO	

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TYPE LC, DV, REV, 6 LD, CK

CD0055A02