

BALDOR® • RELIANCE

Product Information Packet

GLP3344

G.M. F32LF 115/208-230VAC 86 RPM 20:1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3332LC	Elec. Spec:	33WGX078	CD Diagram:	CD0055A02
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	33E968X078G3
Frame:	PSL	Mounting:		Poles:	04	Created Date:	04-16-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-28-2016
Leads:	6#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1220A07

CAT.NO.	GLP3344		
SER.NO			
SPEC.	33E968X078G3		
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.	86		
TORQ/IN LB	326		
RATIO	20:1		
APRV-CSA		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA299956	SA 33E968X078G3	1.000 EA
RA286997	RA 33E968X078G3	1.000 EA
OC3025F11	CYL OIL CAP 25MFD/370V	1.000 EA
EC1189A02SP	61B2D120189NNBA ELEC CAP, 189-227MFD, 12	1.000 EA
LC0001	CONN LABEL TYPE L, 6 LEAD, DUAL VOLTS, R	1.000 EA
HG0077A12F	HSG,PSL EP 33AC SHORT HOUSING	1.000 EA
BMH1714	WASHER,PREC 1.259"X.756"X.010"	2.000 EA
HW5002A95	N5002-125 32MM BEVELED INTERNAL RET RING	1.000 EA
HW4600F102	SEAL, 0.563 X 0.875 X 0.188 SNGL LIP	1.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
HW3064E05	1/8 X 1/2 PIN DRIVE LOK TYPE H	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	1.000 EA
34CB3002C	CB CAST W/.69 DIA HOLE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32X3/8 HX WSHR HD,SLTDTYPE 23,GREEN	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	1.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
51XT0832A08	8-32 X 1/2 TY23 HXWS SLDSR	4.000 EA
34GS3000SP	GASKET, CAPACITOR BOX	1.000 EA
34CB4800SP	CAPACITOR COVER, STAMPED PRIMED	1.000 EA
51XB1016A04	10-16 X 1/4 HX WA SL SR TYB (F/S)	2.000 EA
33EP3100A01SP	EP,33AC ODE GP 6203 TEFC W/DRAIN	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
33CB4800A02	CAPACITOR COVER, STAMPED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	1.000 EA
51XB1016A04	10-16 X 1/4 HX WA SL SR TYB (F/S)	2.000 EA
HW5109A05	WASHER, WAVE SPRING FOR 40MM BORE SMALLE	1.000 EA
SP5183	TORQ STA. SWITCH 200 SERIES MODEL 33	1.000 EA
LD2004A06	ASM,1LD 18 BLK 0 8.0" 2X INS FLAG TERMS	1.000 EA
LD2004A31	ASM,1LD 18 RED 8 10.0" INS FLAG TERM	1.000 EA
LD2004A05	ASM,1LD 18 BLK E 8.0" INS FLAGS	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HA3100A56	THRUBOLT 10-32 X 8.625	2.000 EA
33FN3000SP	EXTERNAL FAN, PLASTIC	1.000 EA
HW1003A08	WASHER, #8 EX TH LK, ZN (F/S)	1.000 EA
33FH4000A01SP	FAN COVER, STAMPED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
SG0045B97	SHAFT,ASSY PSLH SHORT INT1 2RED 5.0/4.0	1.000 EA
SG0045B98	SHAFT,ASSY PSL SHORT OUT 2RED 0.0/5.0	1.000 EA
CG0012A01FG	CAP, PSL GEAR HEAD	1.000 EA
BH1163A03	SCE1212 INA NEEDLE ROLLER BBG1027	1.000 EA
RM1020A22	O-RING .070 X 4.527	1.000 EA
HW4600G71	SEAL, .750 X 1.250 X .250 SGL LIP FT802	1.000 EA
60XM2520A12	SCREW,PAN TORX 1/4-20X.750 THREAD FORMIN	4.000 EA
BMH1910	KEY 3/16X3/16X1 1/8 AUTO X	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.083 FT
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.112 GA
MG1000G27	S-9282E MED CHARCOAL METALLIC GREY	0.030 GA

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NP1220A07	NP,AC STD AD NONE V CSA UL GEAR MOTOR	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
PK3090	2" X 7 1/8 X 6 1/2" CRADLE	1.000 EA
27PA1001	PKG GRP, PRINT PK1027A06	1.000 EA

Accessories		
Part Number	Description	Multiplier
LB75	BASE, L BRACKET 34 FRAME PSL KIT BLACK	A8

AC Induction Motor Performance Data

Record # 51762 - Typical performance - not guaranteed values

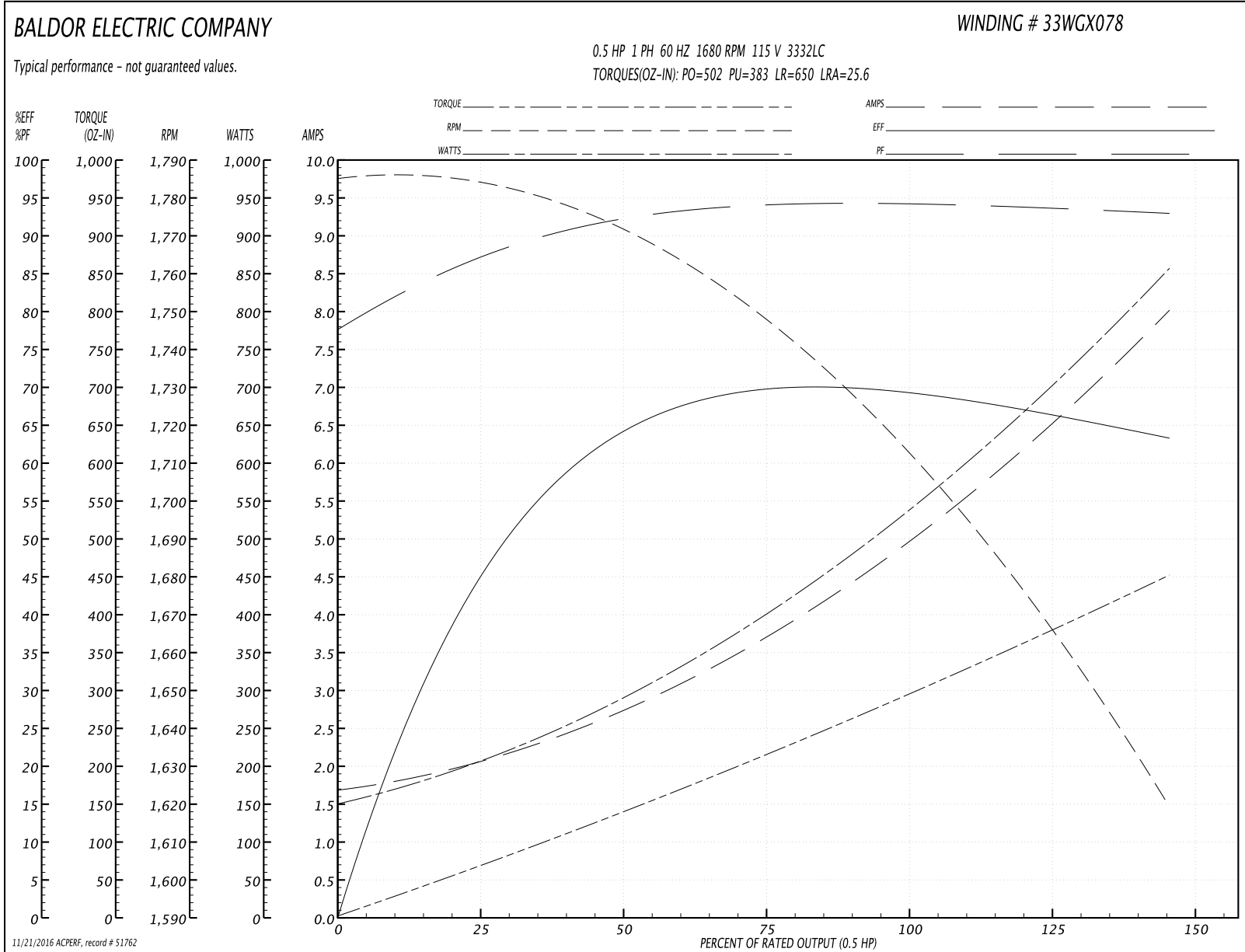
Winding: 33WGX078-R001	Type: 3332LC	Enclosure: TEFC
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	296 OZ-IN
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	5.08/2.6-2.54			Breakdown 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

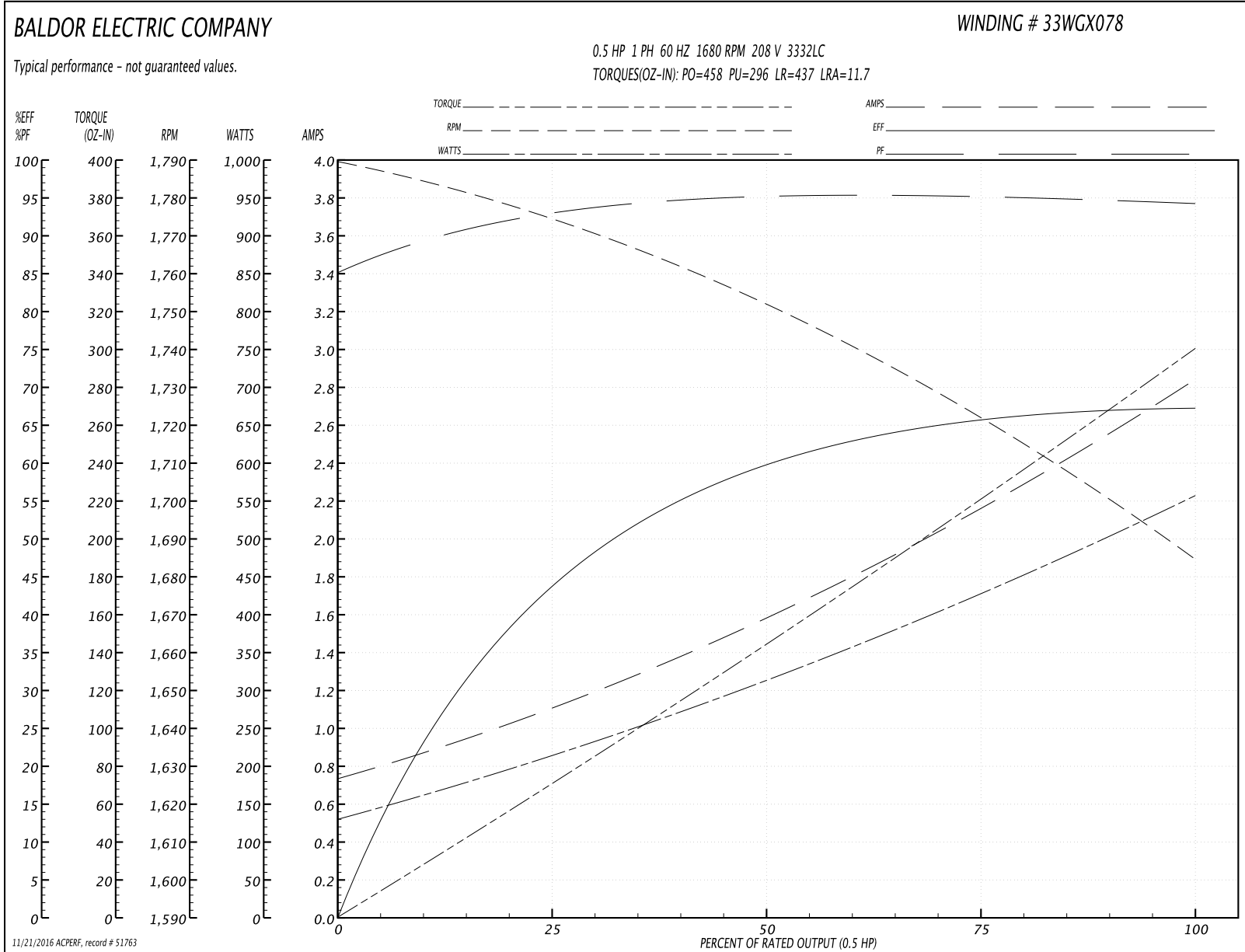
Winding: 33WGX078-R001	Type: 3332LC	Enclosure: TEFC
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Nameplate Data				208 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	301 OZ-IN
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	5.08/2.6-2.54			Breakdown 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

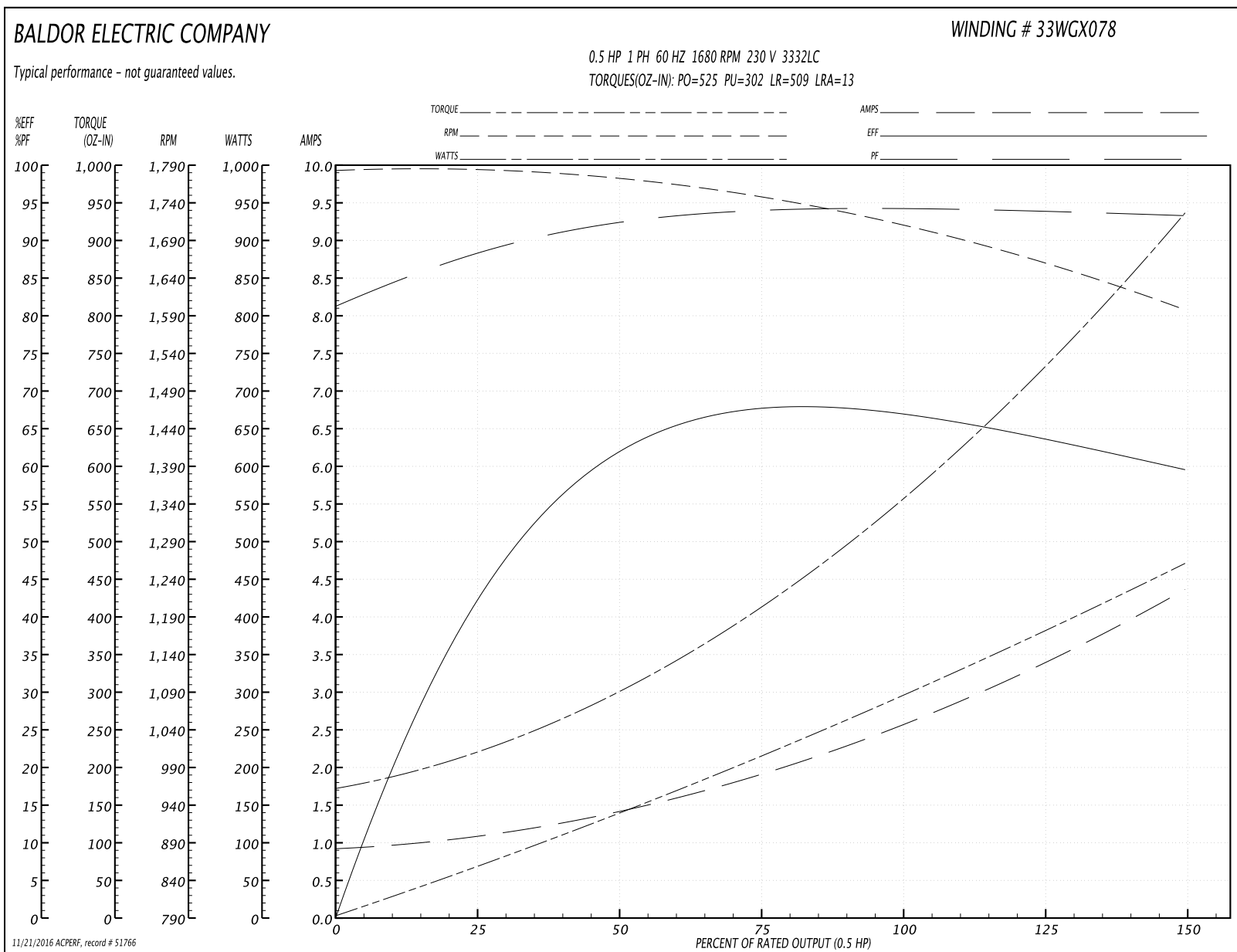
Winding: 33WGX078-R001	Type: 3332LC	Enclosure: TEFC
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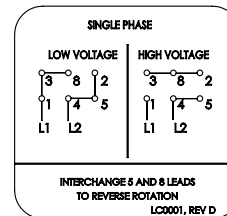
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	295 OZ-IN
Volts	115/208-230			Start Configuration	direct on line
Full Load Amps	5.08/2.6-2.54			Breakdown Torque	525 OZ-IN
R.P.M.	1680			Pull-up Torque	302 OZ-IN
Hz	60	Phase	1	Locked-rotor Torque	509 OZ-IN
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

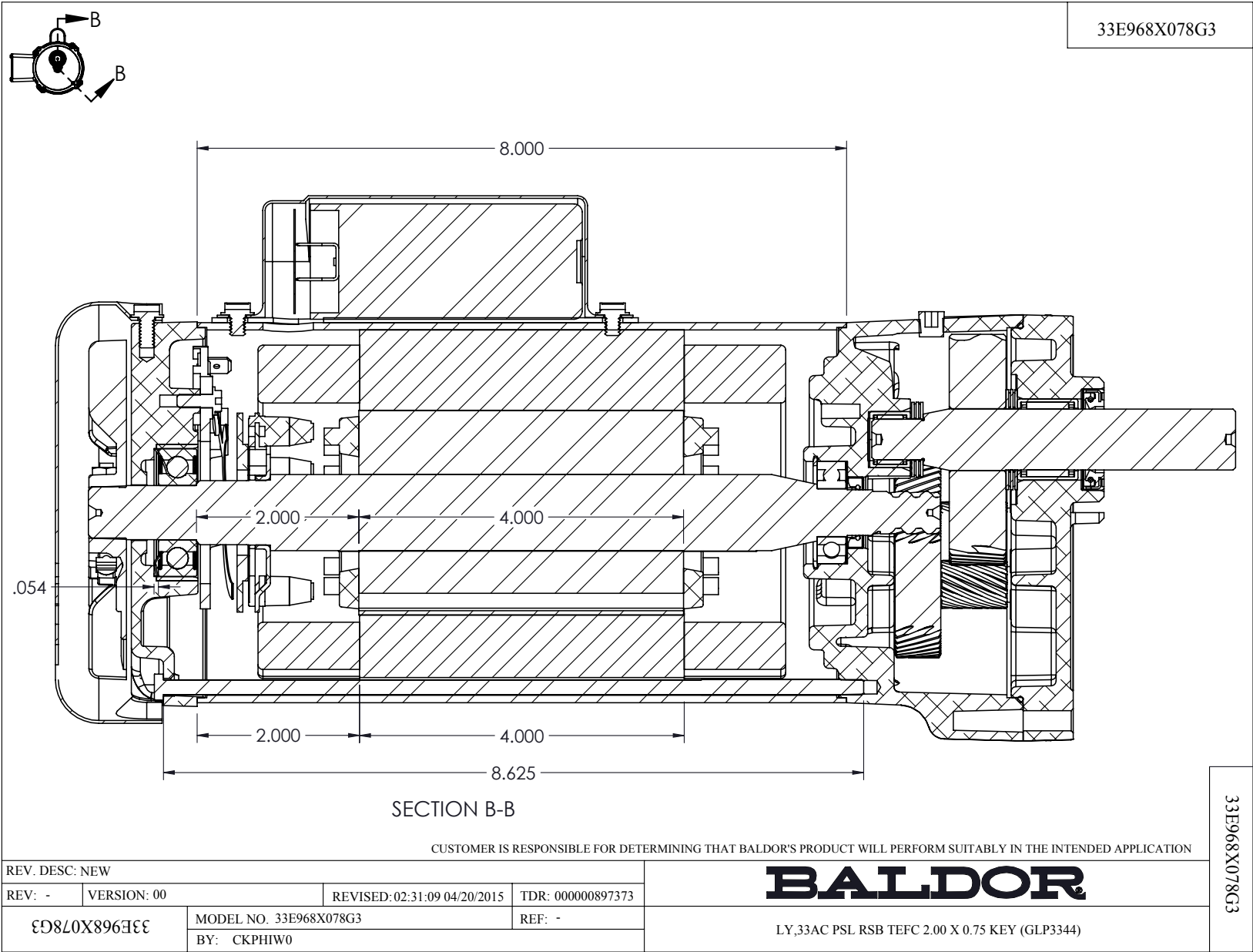
Load Characteristics 230 V, 60 Hz, 0.5 HP

% 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	HG0077A12	1
2	BMH1714	2
3	BG6002E03	1
4	HW5002A95	1
5	HW4600F102	1
6	BH1163A02	1
7	HA4021A05	1
8	HW3064E05	1
9	33SH7257D01	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	SG0045B97	1
43	SG0045B98	1
44	CG0012A01	1
45	RM1020A22	1
46	BH1163A03	1
47	HW4600D39	1
48	60XM2520A12	4
49	BMH1910	1
50	NP1220A07	1
51	LB1119	1
52	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: 02:31:09 04/20/2015

TDR: 000000897373

33E968X078G3

MODEL NO. 33E968X078G3

REF: -

BY: CKPHIW0

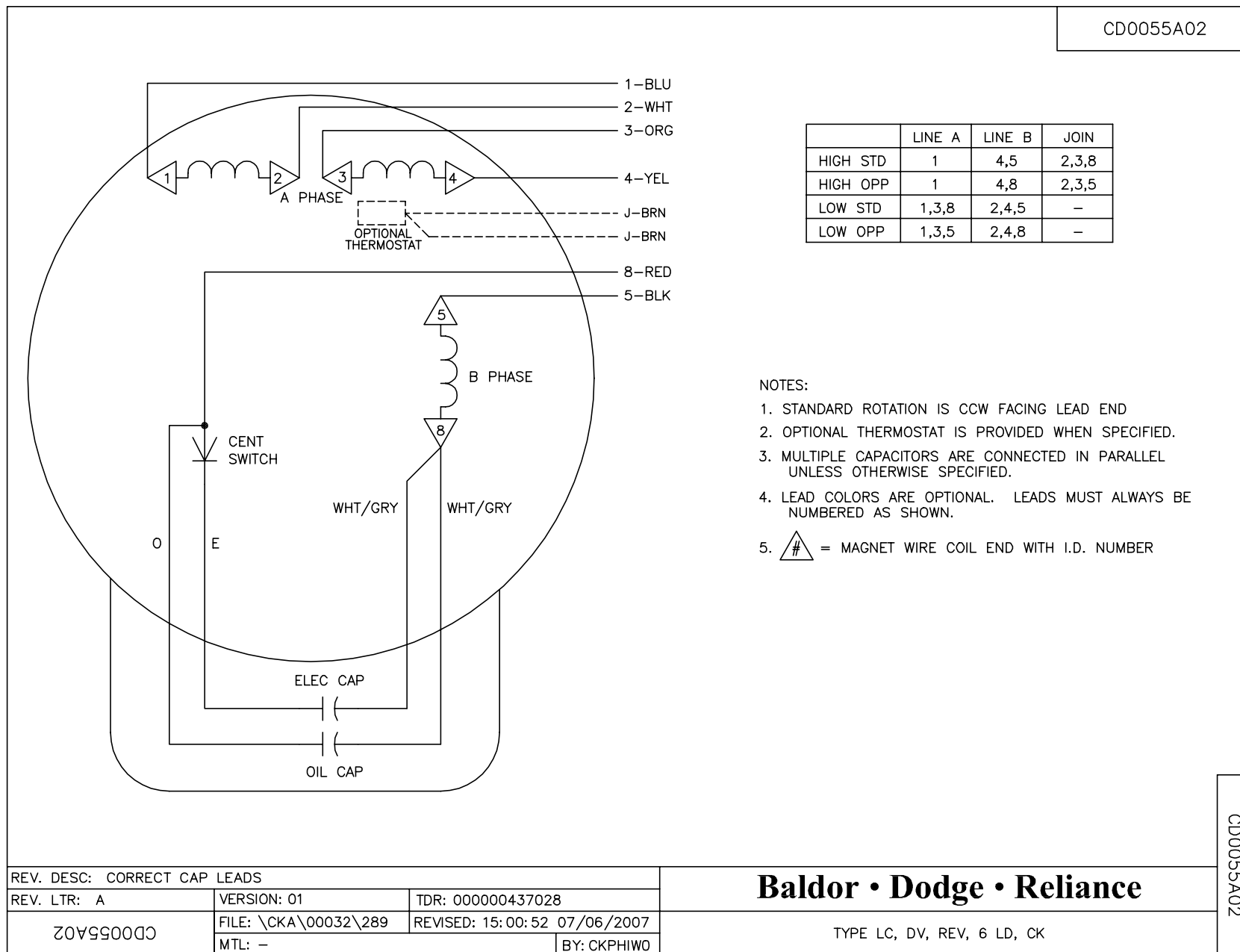
BALDOR

LY,33AC PSL RSB TEFC 2.00 X 0.75 KEY (GLP3344)

33E968X078G3

33E968X078G3

CD0055A02



CD0055A02

REV. DESC: CORRECT CAP LEADS			
REV. LTR: A	VERSION: 01	TDR: 000000437028	
Z0V9S000C0	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