

BALDOR® • RELIANCE

Product Information Packet

GCP25658

G.M. S24LA 115/230V AC 60:1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	2524C	Elec. Spec:	25WGW390	CD Diagram:	CD0491A01
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	25E908W390G1
Frame:	PSL	Mounting:		Poles:	04	Created Date:	08-23-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	06-30-2016
Leads:	6#18 UL 3321 STYLE					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1220A05

CAT.NO.	GCP25658		
SER.NO.			
SPEC.	25E908W390G1		
HP	.14//.17	TE	
VOLTS	115/230		
AMP	1.76/.88//1.74/.87		
HZ	50//60	PH	1
AMB.	40	DUTY	CONT
CAP	25	CODE	D
SER.F.	1.00	CLASS	F
SF AMP			
R.P.M.	23//28		
TORQ/IN LB	313		
RATIO	60:1		
APRV-CE		APRV-CSA	
		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA217171	SA 25E908W390G1	1.000 EA
RA204348	RA 25E908W390G1	1.000 EA
OC4025A02	DRY FILM METALLIZED CAP,25MFD 250V	1.000 EA
LC0491	CONNECTION LABEL	1.000 EA
LD0090A08	LD,06 12" 1 2 3 4 5 0	1.000 EA
MH1041B01	3-M SUPER 10 TAPE 1" WIDE	0.004 RL
HG0076A03BG	HSG,PSL EP 25AC LONG HOUSING	1.000 EA
BMH1716	WASHER,PREC 1.175"X.751"X.020"	1.000 EA
HW5002A45	RETAINING RING,WALDES TRUARC N5002-118	1.000 EA
HW4600G58	SEAL,10X20X4MM PGS 25002184 VITON VT802	1.000 EA
HW3064E05	1/8 X 1/2 PIN DRIVE LOK TYPE H	1.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
24CB3000A	CONDUIT BOX - MODEL 24	1.000 EA
XY0632A04	NUT, #6-32 ACORN, HIGH CROWN	1.000 EA
XY0632A05	NUT, #6-32 SELF LOCKING	2.000 EA
WD4047A01	INSULATION DISPLACEMENT CONNECTOR, 557	1.000 EA
24CB3500A	CONDUIT BOX LID W/BALDOR LOGO	1.000 EA
15XP0619A08	#6-19X1/2 PAN HD PHILLIPS PLASTITE 48-2	4.000 EA
25EP2101A18G	EP,25AC ODE CL NONE 0.500 SHAFT EXIT	1.000 EA
HW5109A08	WASHER, WAVE SPRING FOR 30MM BORE SMALLE	1.000 EA
11XT0832G04	8-32 X 1/4 TY 23 TAPPING	1.000 EA
HA3170S07	THRUBOLT,FLAT HD. #8-32 THDS X 6.625 LON	2.000 EA
BFN3712	FAN,PM MOTOR STYLE R	1.000 EA
25FH4003G	FAN COVER, 25F PAINTED	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
15XN1032A08	SCREW PAN HD 10-32 X 1/2 (PHILLIPS)	4.000 EA
BGS01419	SHAFT,ASSY PSLH LONG INT1 3RED 4.0/5.0	1.000 EA
BGS01420	SHAFT,ASSY PSLH LONG INT2 3RED 3.0/4.0	1.000 EA
BGS01219	SHAFT,ASSY PSLH LONG OUTP 3RED 0.0/3.0	1.000 EA
CG0012A01BG	CAP, PSL GEAR HEAD	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
BH1163A03	SCE1212 INA NEEDLE ROLLER BBG1027	1.000 EA
60XM2520A12	SCREW,PAN TORX 1/4-20X.750 THREAD FORMIN	4.000 EA
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.030 GA
BMH1910	KEY 3/16X3/16X1 1/8 AUTO X	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.080 FT
NP1220A05	NP,AC STD AD NONE V CE CSA UL GEAR MOTOR	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1451	WARNING LABEL, CE WARNING SYMBOLS ONLY	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

AC Induction Motor Performance Data

Record # 33904 - Typical performance - not guaranteed values

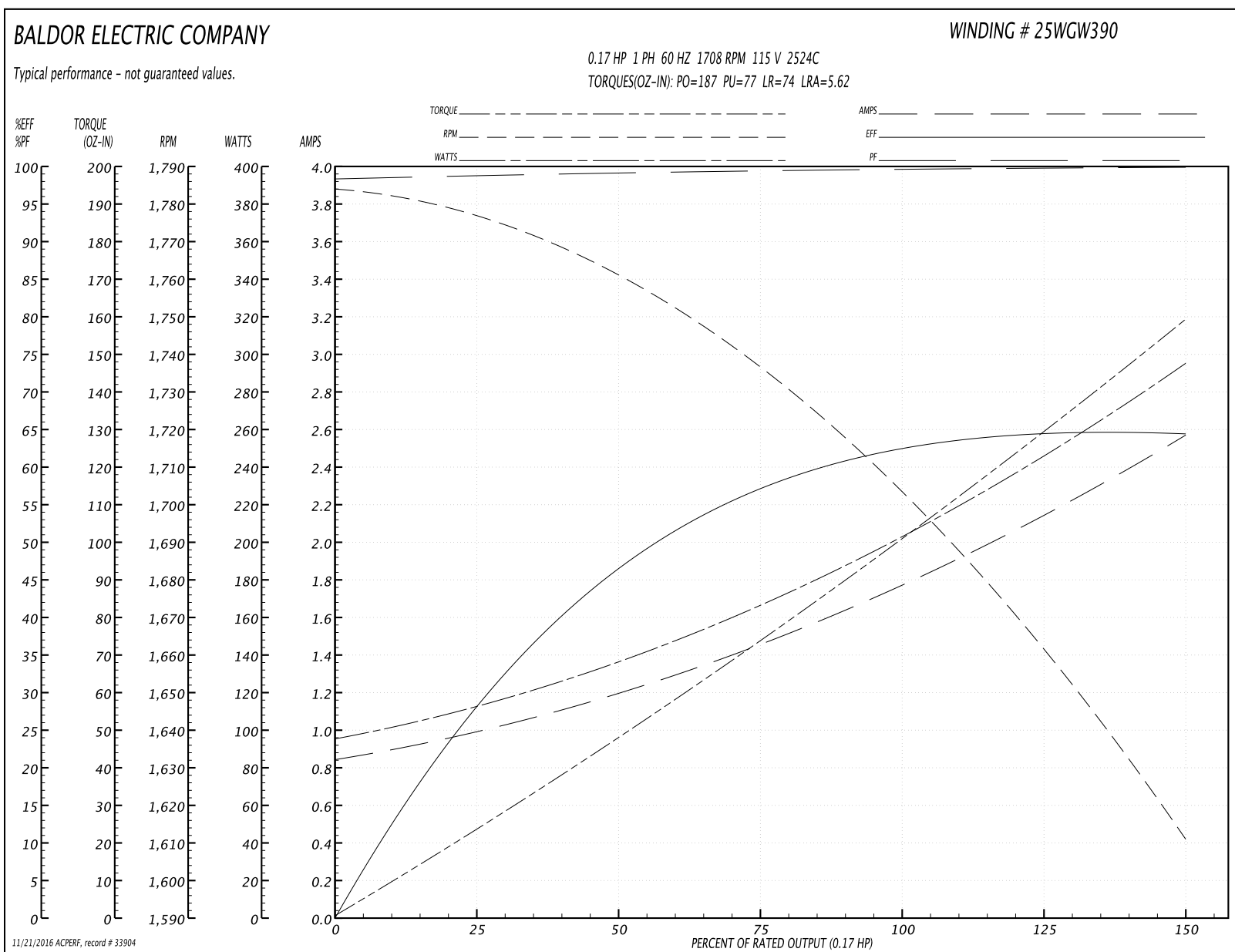
Winding: 25WGW390-R004	Type: 2524C	Enclosure: TEFC
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Nameplate Data				115 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.14//.17			Full Load Torque	100.3 OZ-IN
Volts	115/230			Start Configuration	direct on line
Full Load Amps	1.76/.88//1.74/.87			Breakdown Torque	187 OZ-IN
R.P.M.	1400//1675			Pull-up Torque	77 OZ-IN
Hz	50//60	Phase	1	Locked-rotor Torque	74 OZ-IN
NEMA Design Code	-	KVA Code	D	Starting Current	5.62 A
Service Factor (S.F.)	1			No-load Current	0.81 A
NEMA Nom. Eff.	57	Power Factor	99	Line-line Res. @ 25°C	33.468 Ω A Ph 8.38 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 60 Hz, 0.17 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	99	98	99	100	100	100
Efficiency	27.9	45.3	57	63.4	66.1	63.4
Speed	1773	1755	1734	1708	1671	1603
Line amperes	1.02	1.24	1.47	1.74	2.09	2.62

Performance Graph at 115V, 60Hz, 0.17HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 33905 - Typical performance - not guaranteed values

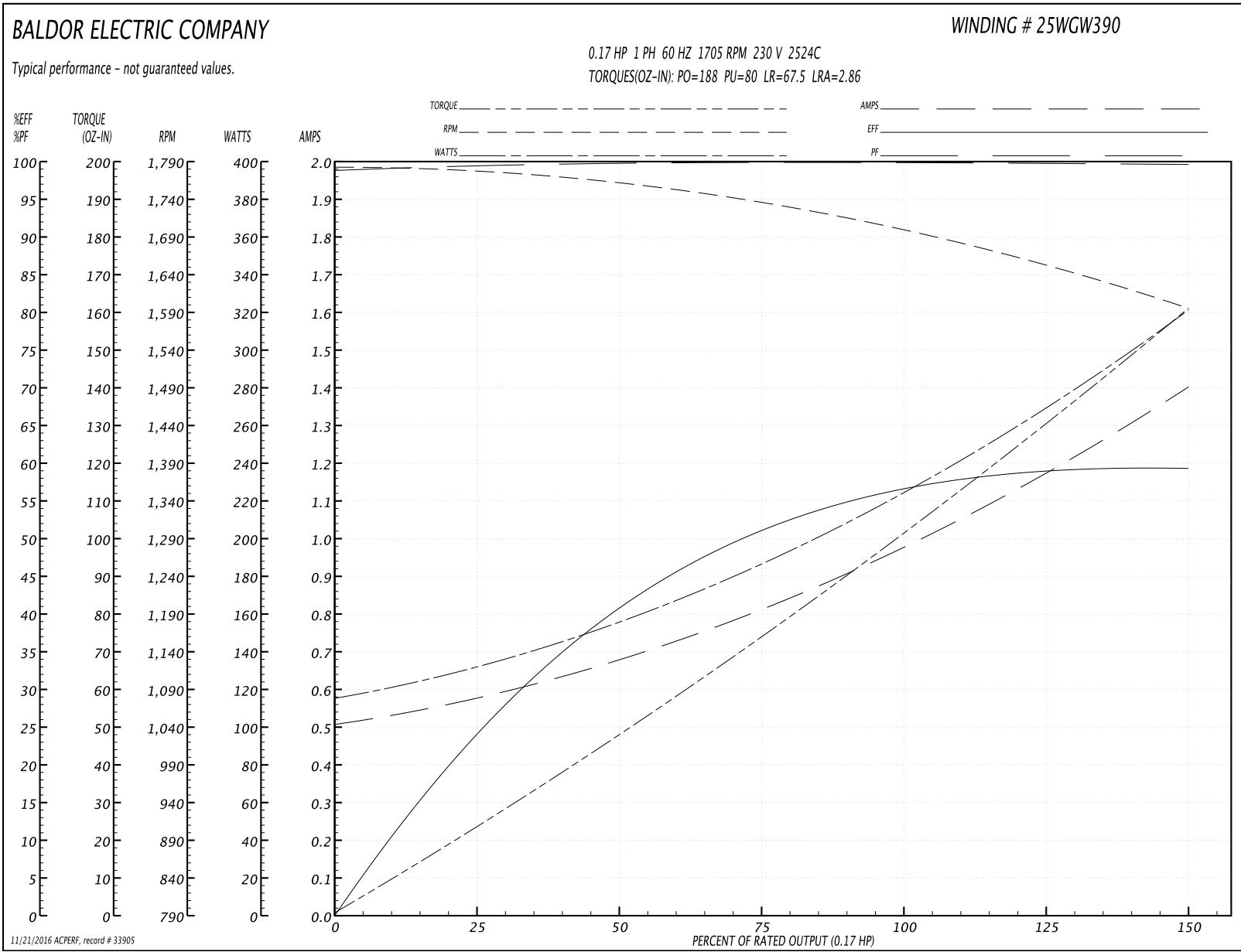
Winding: 25WGW390-R004	Type: 2524C	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.14//.17			Full Load Torque	100.5 OZ-IN
Volts	115/230			Start Configuration	direct on line
Full Load Amps	1.76/.88//1.74/.87			Breakdown Torque	188 OZ-IN
R.P.M.	1400//1675			Pull-up Torque	80 OZ-IN
Hz	50//60	Phase	1	Locked-rotor Torque	67.5 OZ-IN
NEMA Design Code	-	KVA Code	D	Starting Current	2.86 A
Service Factor (S.F.)	1			No-load Current	0.49 A
NEMA Nom. Eff.	57	Power Factor	99	Line-line Res. @ 25°C	33.468 Ω A Ph 8.38 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 0.17 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	100	99	100	100	100	99
Efficiency	23.7	39.5	50.7	57.6	60.5	58.3
Speed	1773	1756	1733	1705	1663	1587
Line amperes	0.59	0.7	0.82	0.96	1.14	1.43

Performance Graph at 230V, 60Hz, 0.17HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 33906 - Typical performance - not guaranteed values

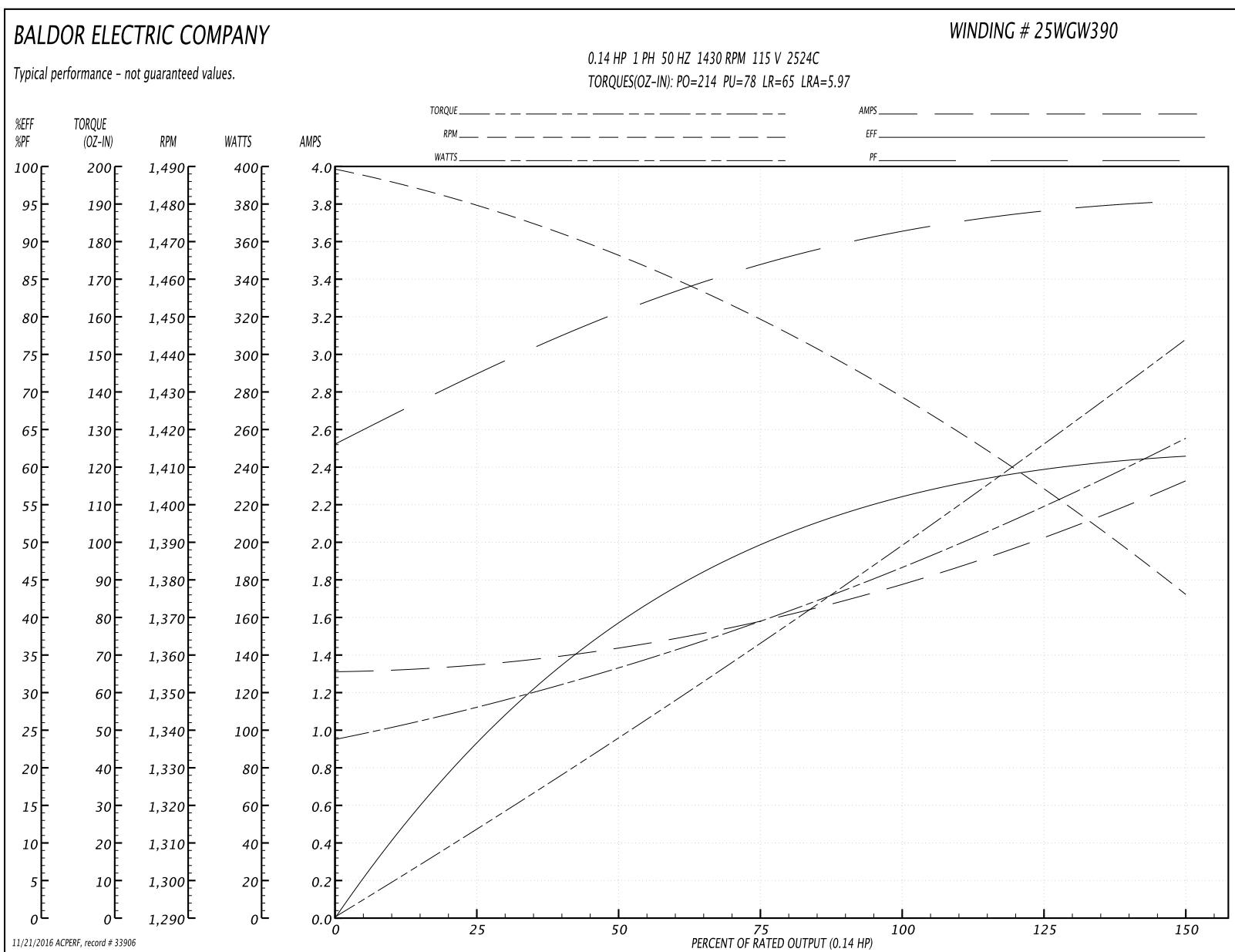
Winding: 25WGW390-R004	Type: 2524C	Enclosure: TEFC
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Nameplate Data				115 V, 50 Hz: Low Voltage Connection	
Rated Output (HP)	.14/.17			Full Load Torque	98.7 OZ-IN
Volts	115/230			Start Configuration	direct on line
Full Load Amps	1.76/.88//1.74/.87			Breakdown Torque	214 OZ-IN
R.P.M.	1400//1675			Pull-up Torque	78 OZ-IN
Hz	50//60	Phase	1	Locked-rotor Torque	65 OZ-IN
NEMA Design Code	-	KVA Code	D	Starting Current	5.97 A
Service Factor (S.F.)	1			No-load Current	1.3 A
NEMA Nom. Eff.	57	Power Factor	99	Line-line Res. @ 25°C	33.468 Ω A Ph 8.38 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 50 Hz, 0.14 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	72	81	87	91	94	96
Efficiency	23	39	49.4	56.4	60.2	61.1
Speed	1478	1465	1449	1430	1407	1374
Line amperes	1.36	1.44	1.59	1.76	2.01	2.34

Performance Graph at 115V, 50Hz, 0.14HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 33907 - Typical performance - not guaranteed values

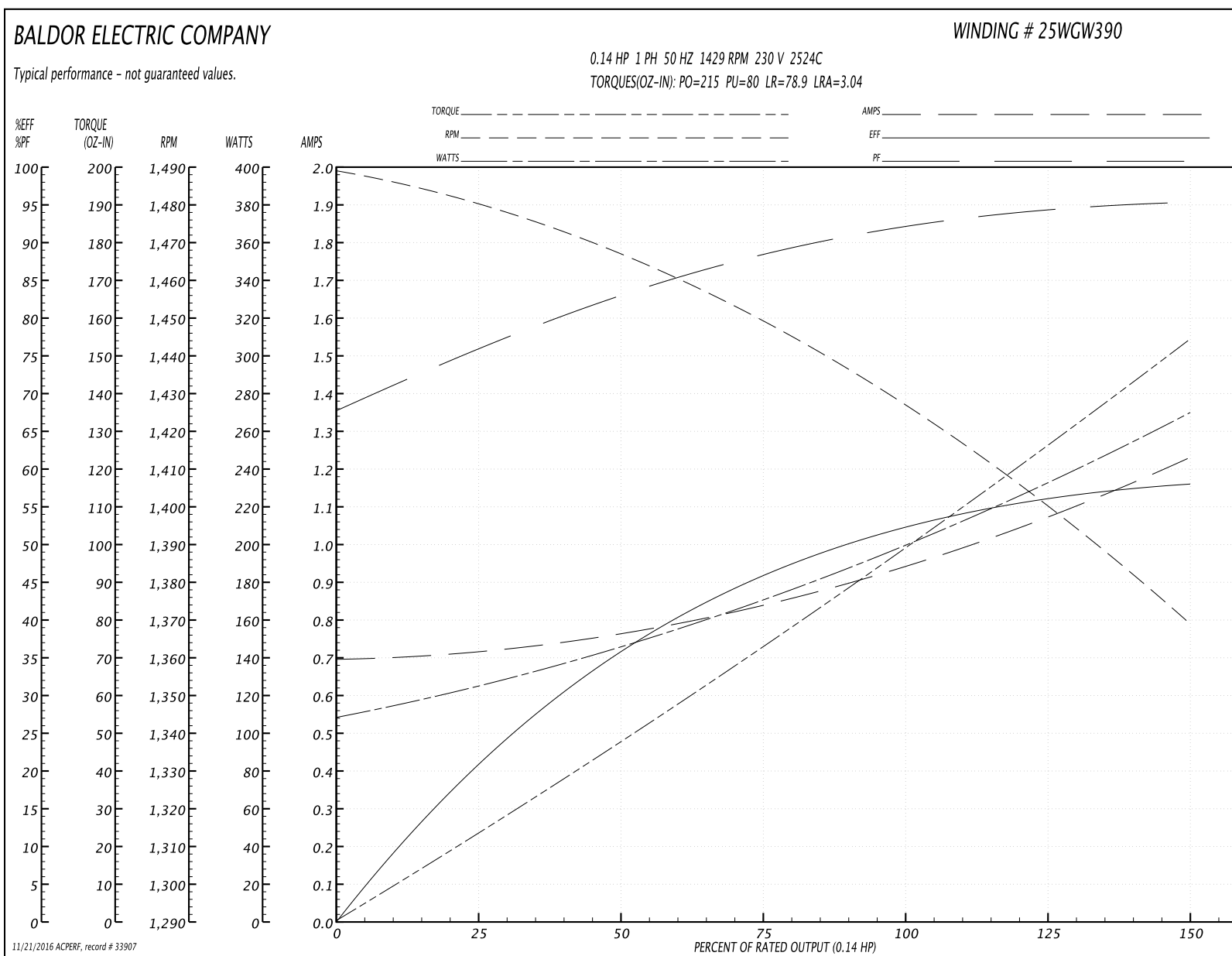
Winding: 25WGW390-R004	Type: 2524C	Enclosure: TEFC
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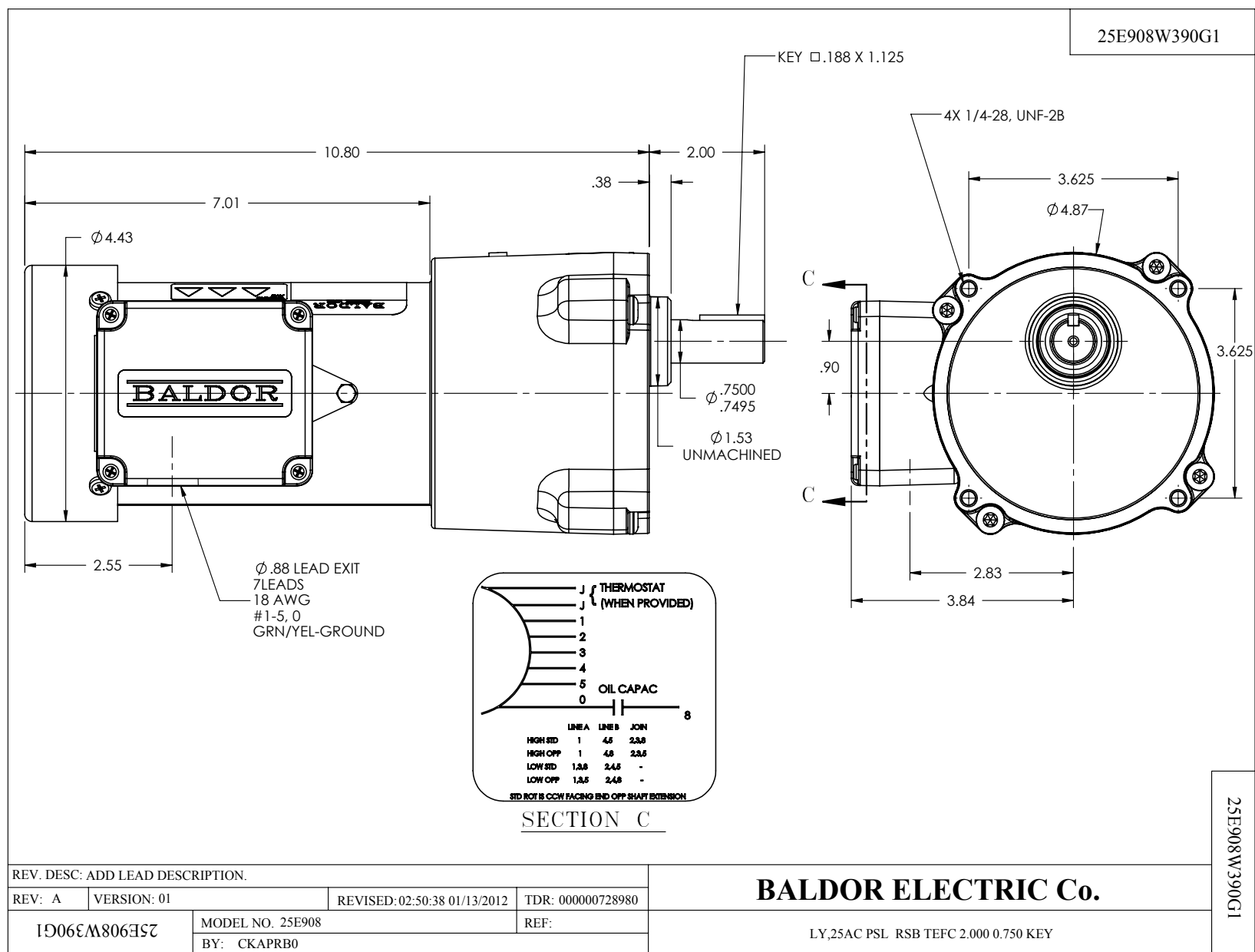
Nameplate Data				230 V, 50 Hz: High Voltage Connection	
Rated Output (HP)	.14//.17			Full Load Torque	99.1 OZ-IN
Volts	115/230			Start Configuration	direct on line
Full Load Amps	1.76/.88//1.74/.87			Breakdown Torque	215 OZ-IN
R.P.M.	1400//1675			Pull-up Torque	80 OZ-IN
Hz	50//60	Phase	1	Locked-rotor Torque	78.9 OZ-IN
NEMA Design Code	-	KVA Code	D	Starting Current	3.04 A
Service Factor (S.F.)	1			No-load Current	0.69 A
NEMA Nom. Eff.	57	Power Factor	99	Line-line Res. @ 25°C	33.468 Ω A Ph 8.38 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	60°C

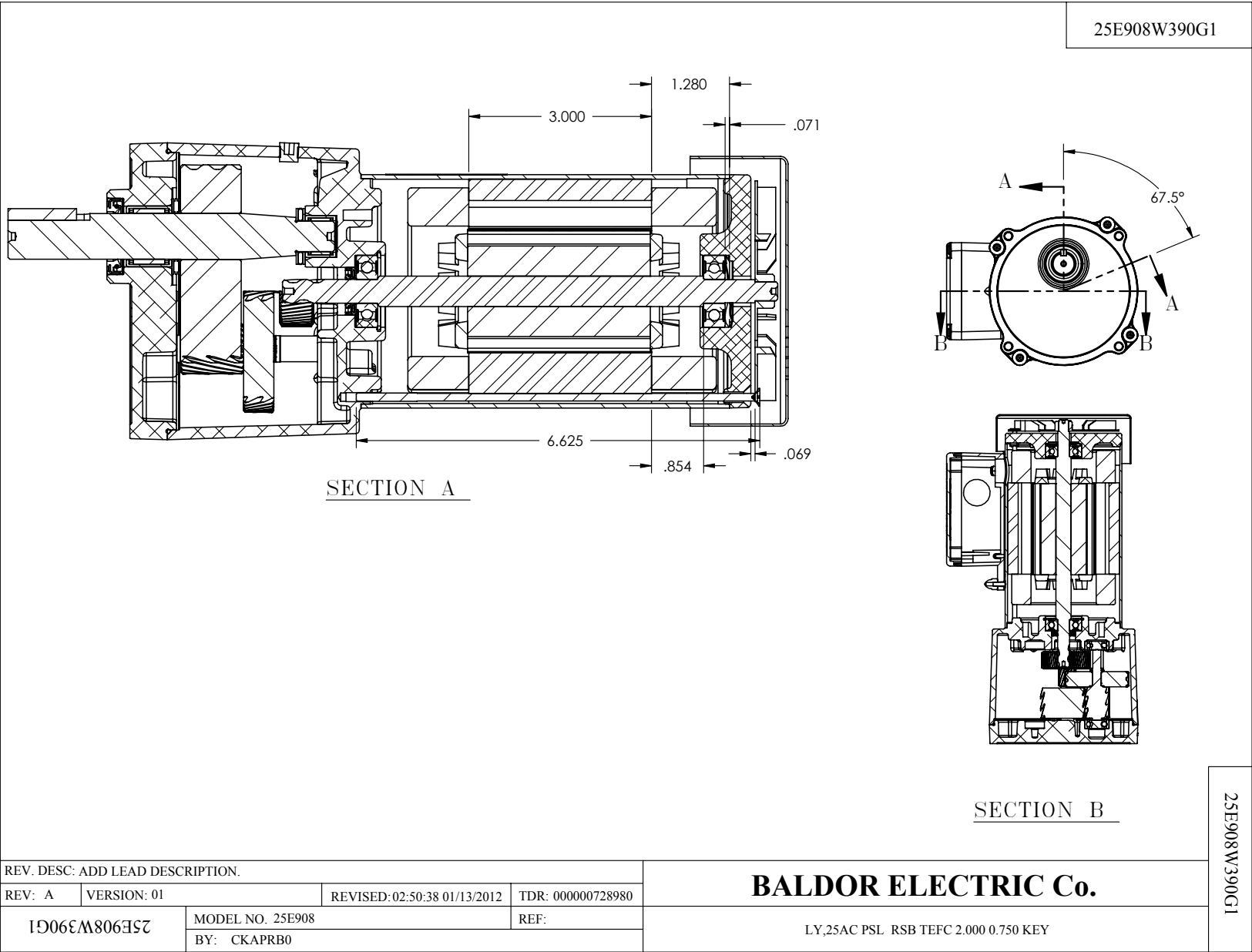
Load Characteristics 230 V, 50 Hz, 0.14 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	76	83	89	92	94	95
Efficiency	20.6	35.2	45.8	52.6	56.7	57.6
Speed	1479	1465	1448	1429	1404	1366
Line amperes	0.72	0.77	0.84	0.94	1.06	1.24

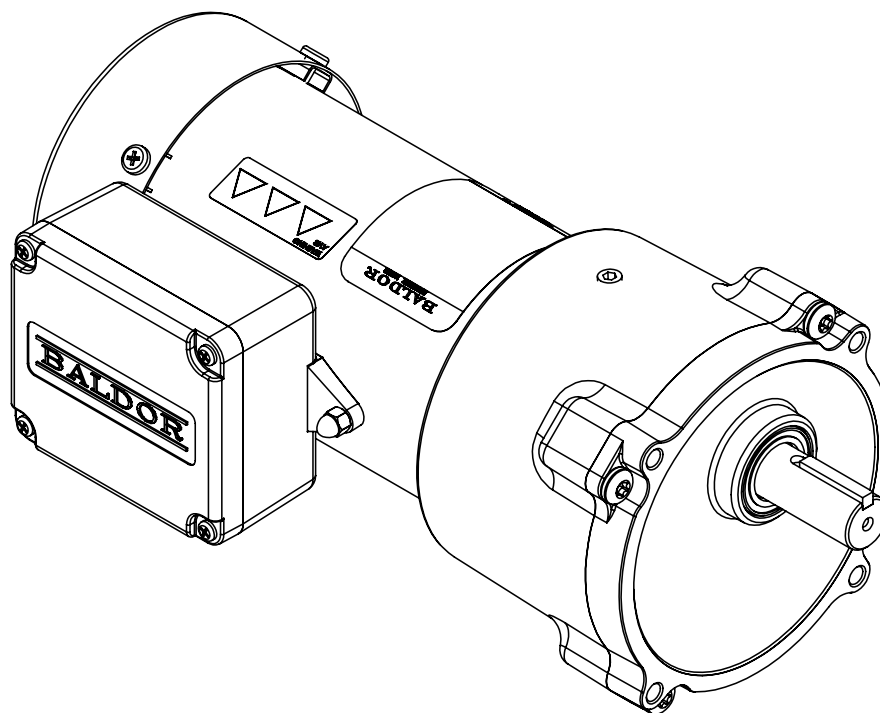
Performance Graph at 230V, 50Hz, 0.14HP Typical performance - Not guaranteed values







ITEM NO.	PART NUMBER	25E908W390 G1/QTY.
1	HG0076A03	1
2	BMH1716	1
3	BG6200C	2
4	HW5002A45	1
5	HW4600D28	1
6	HW3064E05	1
7	HA4021A05	1
8	BH1163A02	1
9	25RC2024A00	1
10	24CB3000A	1
11	XY0632A04	1
12	XY0632A05	2
13	24CB3500A	1
14	15XP0619A08	4
15	HW5109A08	1
16	HA3170S07	2
17	BFN3712	1
18	25FH4003	1
19	15XN1032A08	4
20	CG0012A01	1
21	HW4600D39	1
22	BH1163A03	1
23	60XM2520A12	4
24	BMH1910	1
25	BGS01419	1
26	BGS1420	1
27	BGS01219	1
28	25SB0016-04	1
29	25SH4004E12	1
30	25EP2101A18	1
31	LC0491	1
32	NP1220 25AC RSB	1
33	LB1451	1
34	BGS01927	1
35	bgs01221	1
36	RM1020A22	1
37	11XT1032G04	1



25E908W390G1

25E908W390G1

REV. DESC: ADD LEAD DESCRIPTION.

REV: A VERSION: 01 REVISED: 02:50:38 01/13/2012 TDR: 000000728980

25E908W390G1

MODEL NO. 25E908

BY: CKAPRB0

REF:

BALDOR ELECTRIC Co.

LY,25AC PSL RSB TEFC 2.000 0.750 KEY

