

BALDOR® • RELIANCE

Product Information Packet

GCP24017

G.M. T16NA 115V AC 16.43:1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	2416C	Elec. Spec:	24WGW249	CD Diagram:	CD1018
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	24E237W249G6
Frame:	PSSH	Mounting:		Poles:	04	Created Date:	05-14-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	07-31-2015
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1220A05

CAT.NO.	GCP24017		
SER.NO.			
SPEC.	24E237W249G6		
HP	.05//.06	TE	
VOLTS	115		
AMP	.92//.8		
HZ	50//60	PH	1
AMB.	40	DUTY	CONT
CAP	10	CODE	C
SER.F.	1.00	CLASS	F
SF AMP			
R.P.M.	82//98		
TORQ/IN LB	30		
RATIO	16.43:1		
APRV-CE		APRV-CSA	
		APRV-UL	

Parts List		
Part Number	Description	Quantity
SA196862	SA 24E237W249G6	1.000 EA
RA184304	RA 24E237W249G6	1.000 EA
OC4010A02	DRY FILM METALLIZED CAP,10MFD 370V	1.000 EA
LC0895	CONN.DIAGRAM 1PH,SINGLE VOLT,TYPE PSC	1.000 EA
HG0047A18DG	HSG,PSSH EP SHORT 24 FR. AC MOUNTIN	1.000 EA
BMH1729	WASHER,PREC 1.020"X.628"X.020"	1.000 EA
HW5002A42	N5002-102 RET RING INTERNBEVELED F/6000	1.000 EA
HW3064E05	1/8 X 1/2 PIN DRIVE LOK TYPE H	1.000 EA
HW4600G58	SEAL,10X20X4MM PGS 25002184 VITON VT802	1.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
24EP3100A05G	EP,24AC ODE CL NONE	1.000 EA
HW5109A08	WASHER, WAVE SPRING FOR 30MM BORE SMALLE	1.000 EA
55XT0632G03	6-32 X 0.187 RD HD PHILLIPS, SERRATED	1.000 EA
HA3199A82	THRU-BOLT PAN HEAD 8-32 X 5.125	2.000 EA
SG0047C16	SHAFT,ASSY PSSH SHORT INT1 2RED 3.3/5.0	1.000 EA
SG0047C17	SHAFT,ASSY PSSH SHORT OUTP 2RED 0.0/3.3	1.000 EA
CG0001A01DG	HSG,PSSH CAP STD CASTING	1.000 EA
RM1020A21	O-RING,3.240 I.D. X .052 BUNA-N (NITRILE	1.000 EA
BH1163A02	SCE88 INA NEEDLE ROL SM21	1.000 EA
HW4600C29	SEAL, TCM #0507416 SCW .50X.75X.165 RB	1.000 EA
60XM0832A08	SCREW, PAN TORX 8-32X.500 THREAD FORMING	4.000 EA
BMH2764	KEY 1/8"X1/8"X1" SAE 1035AUTO	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.080 FT
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.030 GA

Parts List (continued)		
Part Number	Description	Quantity
NP1220A05	NP,AC STD AD NONE V CE CSA UL GEAR MOTOR	1.000 EA
LB1451	WARNING LABEL, CE WARNING SYMBOLS ONLY	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
CPA1000	PACKING GROUP STD. SINGLE	1.000 EA

AC Induction Motor Performance Data

Record # 36775 - Typical performance - not guaranteed values

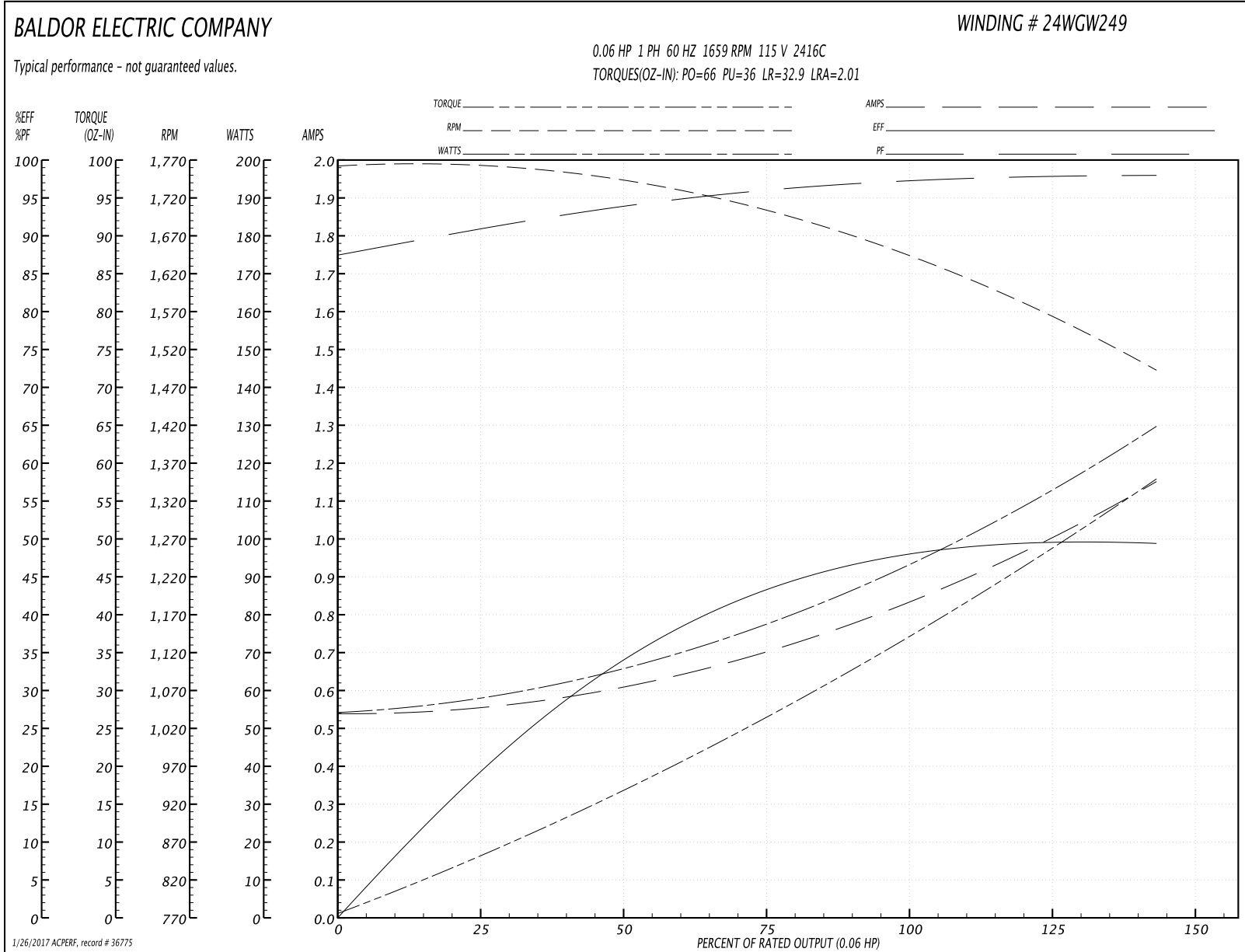
Winding: 24WGW249-R001	Type: 2416C	Enclosure: TENV
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Nameplate Data				115 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.05//.06			Full Load Torque	36.3 OZ-IN
Volts	115			Start Configuration	direct on line
Full Load Amps	.92//.8			Breakdown Torque	66 OZ-IN
R.P.M.	1350//1625			Pull-up Torque	36 OZ-IN
Hz	50//60	Phase	1	Locked-rotor Torque	32.9 OZ-IN
NEMA Design Code	-	KVA Code	C	Starting Current	2.01 A
Service Factor (S.F.)	1			No-load Current	0.52 A
NEMA Nom. Eff.	50.5	Power Factor	96	Line-line Res. @ 25°C	23.502 Ω A Ph 23.52 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 115 V, 60 Hz, 0.06 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	92	94	96	98	98	98
Efficiency	19	32.5	43	49	51.9	47.9
Speed	1753	1728	1699	1659	1594	1466
Line amperes	0.57	0.63	0.71	0.81	0.96	1.19

Performance Graph at 115V, 60Hz, 0.06HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 36776 - Typical performance - not guaranteed values

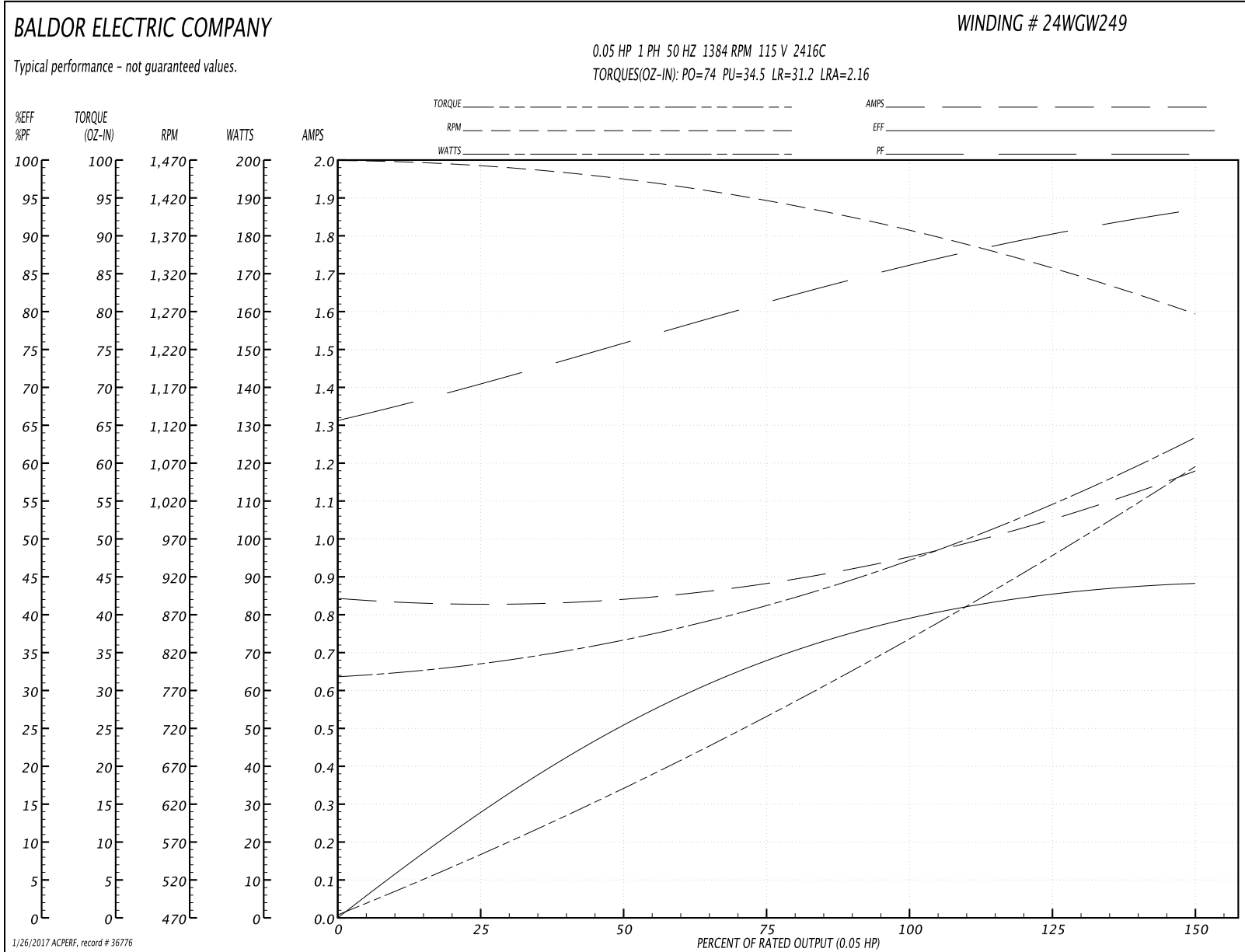
Winding: 24WGW249-R001	Type: 2416C	Enclosure: TENV
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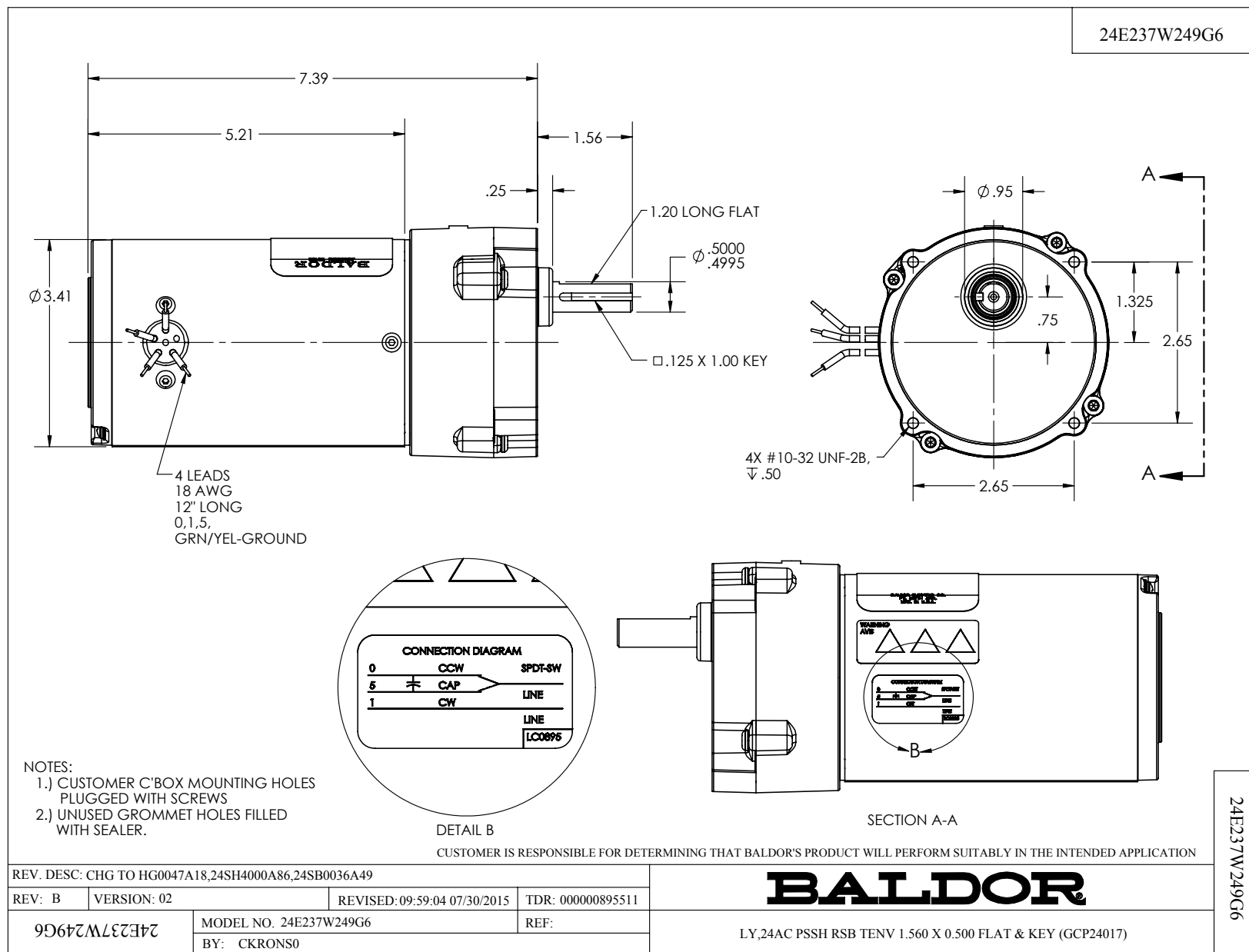
Nameplate Data				115 V, 50 Hz: Single Voltage Motor	
Rated Output (HP)	.05//.06			Full Load Torque	36.1 OZ-IN
Volts	115			Start Configuration	direct on line
Full Load Amps	.92//.8			Breakdown Torque	74 OZ-IN
R.P.M.	1350//1625			Pull-up Torque	34.5 OZ-IN
Hz	50//60	Phase	1	Locked-rotor Torque	31.2 OZ-IN
NEMA Design Code	-	KVA Code	C	Starting Current	2.16 A
Service Factor (S.F.)	1			No-load Current	0.83 A
NEMA Nom. Eff.	50.5	Power Factor	96	Line-line Res. @ 25°C	23.502 Ω A Ph 23.52 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	82°C

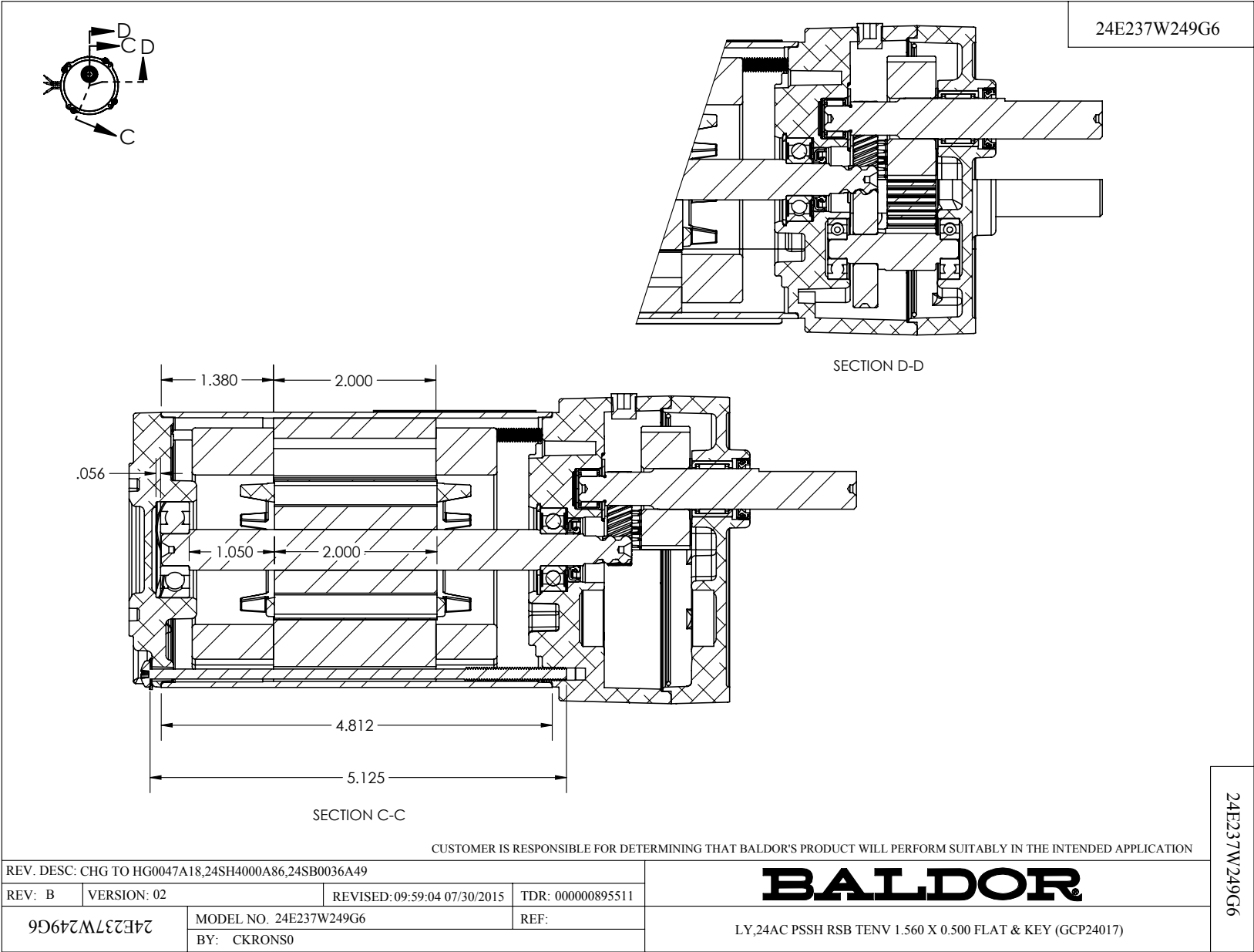
Load Characteristics 115 V, 50 Hz, 0.05 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	71	76	81	86	90	93
Efficiency	13.8	25	33.7	39.8	44.1	43.4
Speed	1457	1438	1414	1384	1339	1256
Line amperes	0.84	0.85	0.89	0.94	1.03	1.2

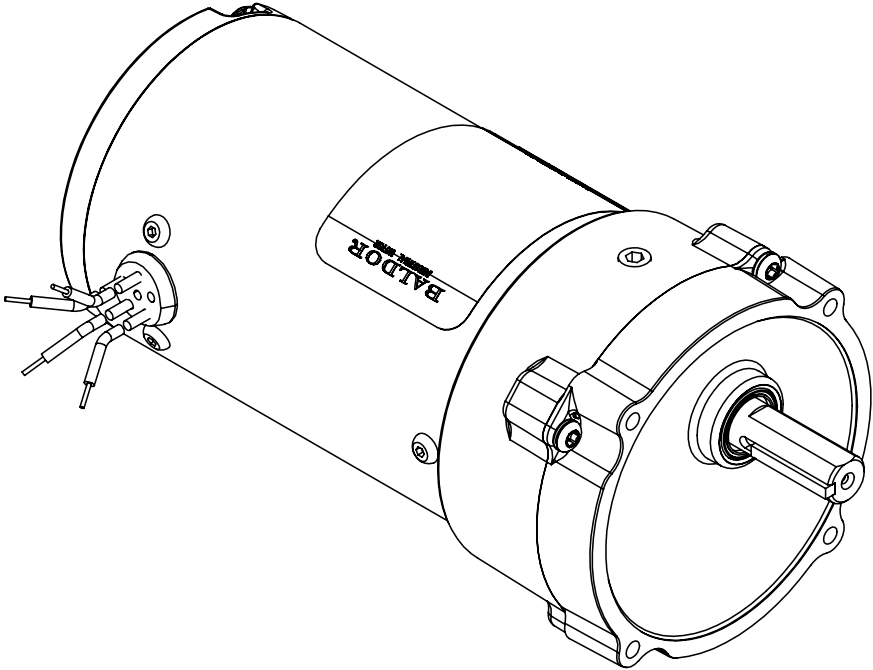
Performance Graph at 115V, 50Hz, 0.05HP Typical performance - Not guaranteed values







ITEM NO.	PART NUMBER	QTY.
1	HG0047A18	1
2	BMH1729	1
3	BG6000C03	1
4	HW5002A42	1
5	HW3064E05	1
6	BH1163A01	1
7	HW4600D28	1
8	HA4021A05	1
9	24SH4000A86	1
10	24RC40-03	1
11	BG6200C03	1
12	24SB0036A49	1
13	RM1037	1
14	LEAD-1	4
15	98XN0632J02	3
16	24EP3100A05	1
17	HW5109A08	1
18	55XT0632G03	1
19	HW1003A08	2
20	HA3199A82	2
21	SG0047C16	1
22	SG0047C17	1
23	CG0001A01	1
24	RM1020A21	1
25	BH1163A02	1
26	HW4600C29	1
27	60XM0832A08	4
28	BMH2764	1
29	NP1220A05	1
30	LB1451	1
31	LC0895A01	1



24E237W249G6

24E237W249G6

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

REV. DESC: CHG TO HG0047A18,24SH4000A86,24SB0036A49

REV: B VERSION: 02 REVISED: 09:59:04 07/30/2015 TDR: 000000895511

24E237W249G6

MODEL NO. 24E237W249G6

BY: CKRONSO

REF:

BALDOR

LY,24AC PSSH RSB TENV 1.560 X 0.500 FLAT & KEY (GCP24017)

