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Product Information Packet

GCP24050

G.M. T16NA 115V AC 50:1

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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:**	24E237W249G5
Frame:	PSSH	**Mounting:**		**Poles:**	04	**Created Date:**	05-13-2010
Base:		**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	07-20-2015
Leads:	3#18					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP1220A05

CAT.NO.	GCP24050				
SER.NO					
SPEC.	24E237W249G5				
HP	.05//.06 IP44 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.	27//33				
TORQ/IN LB	103				
RATIO	50:1				
APRV-CE		**APRV-CSA**		**APRV-UL**	

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AC Induction Motor Performance Data

Record # 36775 - Typical performance - not guaranteed values

Winding: 24WGW249-R001	**Type:** 2416C	**Enclosure:** TENV

Nameplate Data			
Rated Output (HP)	.05//.06		
Volts	115		
Full Load Amps	.92//.8		
R.P.M.	1350//1625		
Hz	50//60	Phase	1
NEMA Design Code	-	KVA Code	C
Service Factor (S.F.)	1		
NEMA Nom. Eff.	50.5	Power Factor	96
Rating - Duty	40C AMB-CONT		

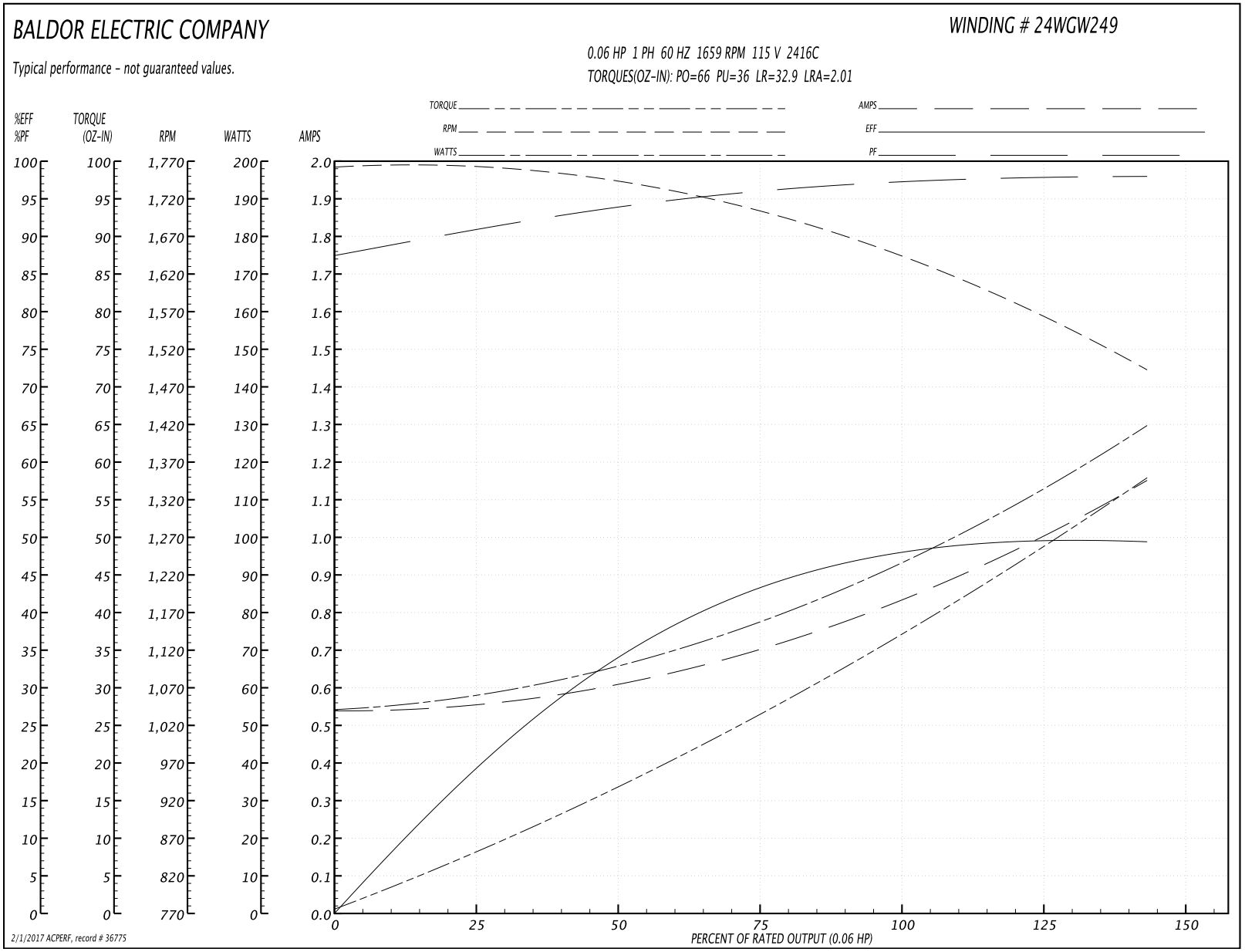
115 V, 60 Hz: Single Voltage Motor	
Full Load Torque	36.3 OZ-IN
Start Configuration	direct on line
Breakdown Torque	66 OZ-IN
Pull-up Torque	36 OZ-IN
Locked-rotor Torque	32.9 OZ-IN
Starting Current	2.01 A
No-load Current	0.52 A
Line-line Res. @ 25ºC	23.502 Ω A Ph 23.52 Ω B Ph
Temp. Rise @ Rated Load	

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

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



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AC Induction Motor Performance Data

Record # 36776 - Typical performance - not guaranteed values

Winding: 24WGW249-R001	**Type:** 2416C	**Enclosure:** TENV

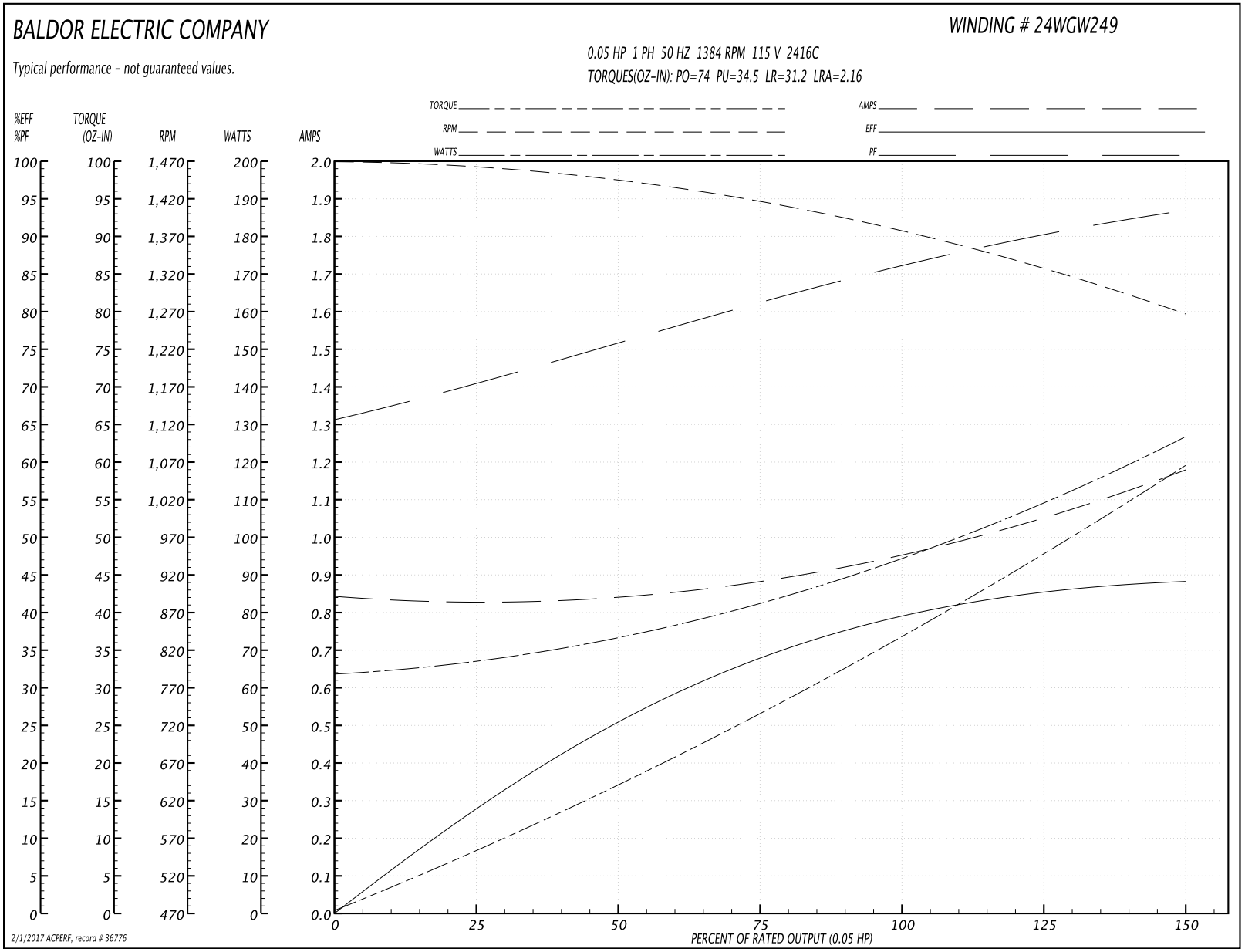
Nameplate Data				115 V, 50 Hz: Single Voltage Motor	
Rated Output (HP)	.05//.06			Full Load Torque	36.1 OZ-IN
Volts	115			Start Configuration	direct on line
Full Load Amps	.92//.8			Breakdown Torque	74 OZ-IN
R.P.M.	1350//1625			Pull-up Torque	34.5 OZ-IN
Hz	50//60	Phase	1	Locked-rotor Torque	31.2 OZ-IN
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. @ 25ºC	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

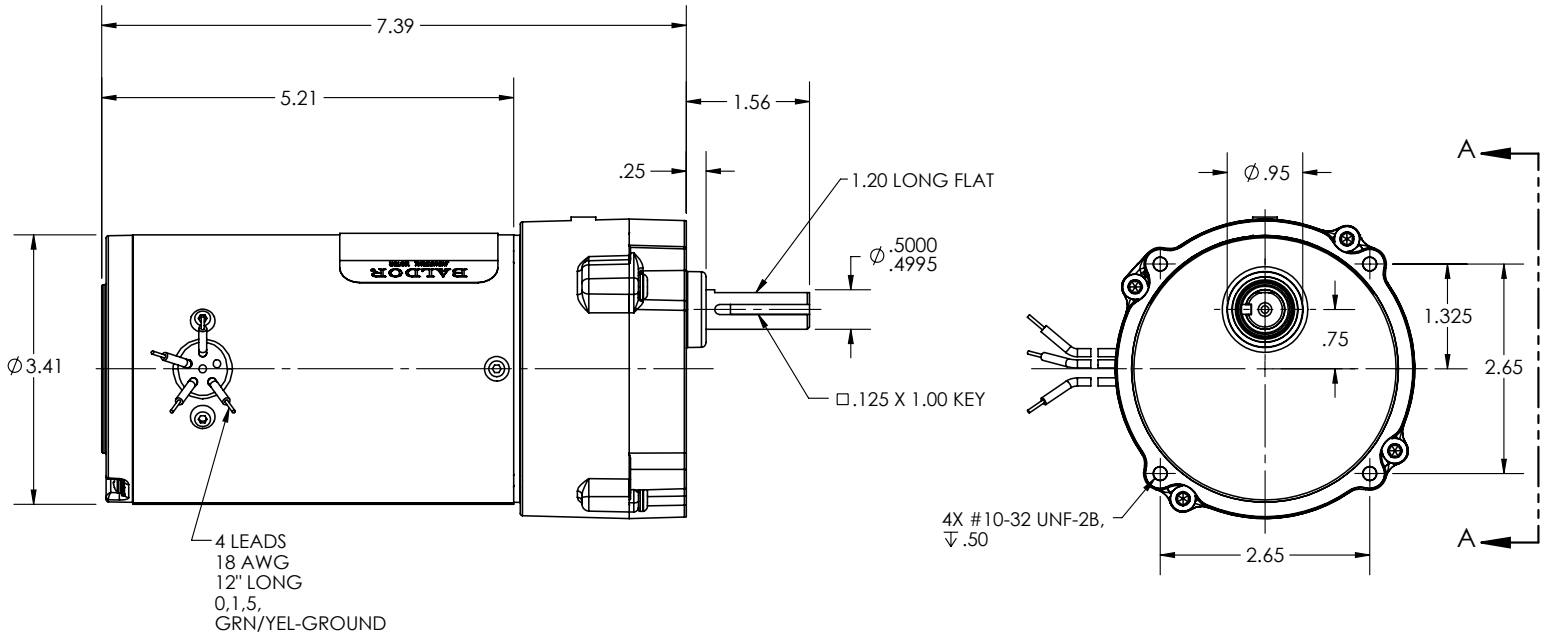
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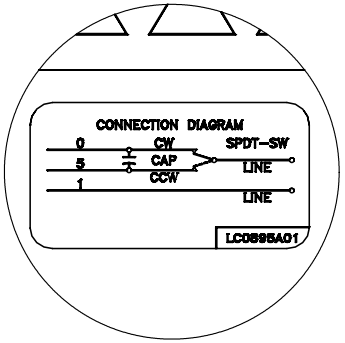
Performance Graph at 115V, 50Hz, 0.05HP Typical performance - Not guaranteed values



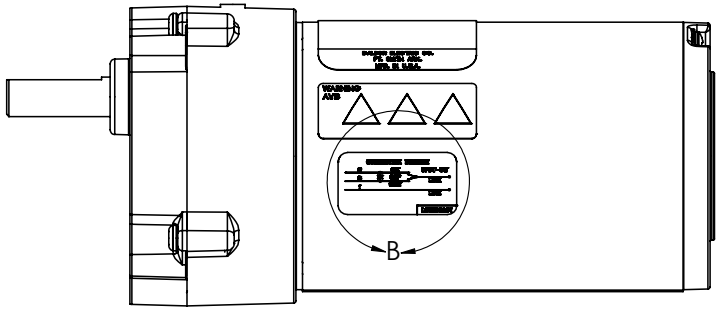
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24E237W249G5





DETAIL B



SECTION A-A

NOTES:
1.) CUSTOMER C'BOX MOUNTING HOLES PLUGGED WITH SCREWS
2.) UNUSED GROMMET HOLES FILLED WITH SEALER.

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

REV. DESC: CHG TO HG0047A18,24SH4000A86,24SB0036A49			
REV: A	VERSION: 01	REVISED: 02:31:46 03/05/2015	TDR: 000000895508
24E237W249G5	MODEL NO. 24E237W249G5		REF:
	BY: CKPHIW0		

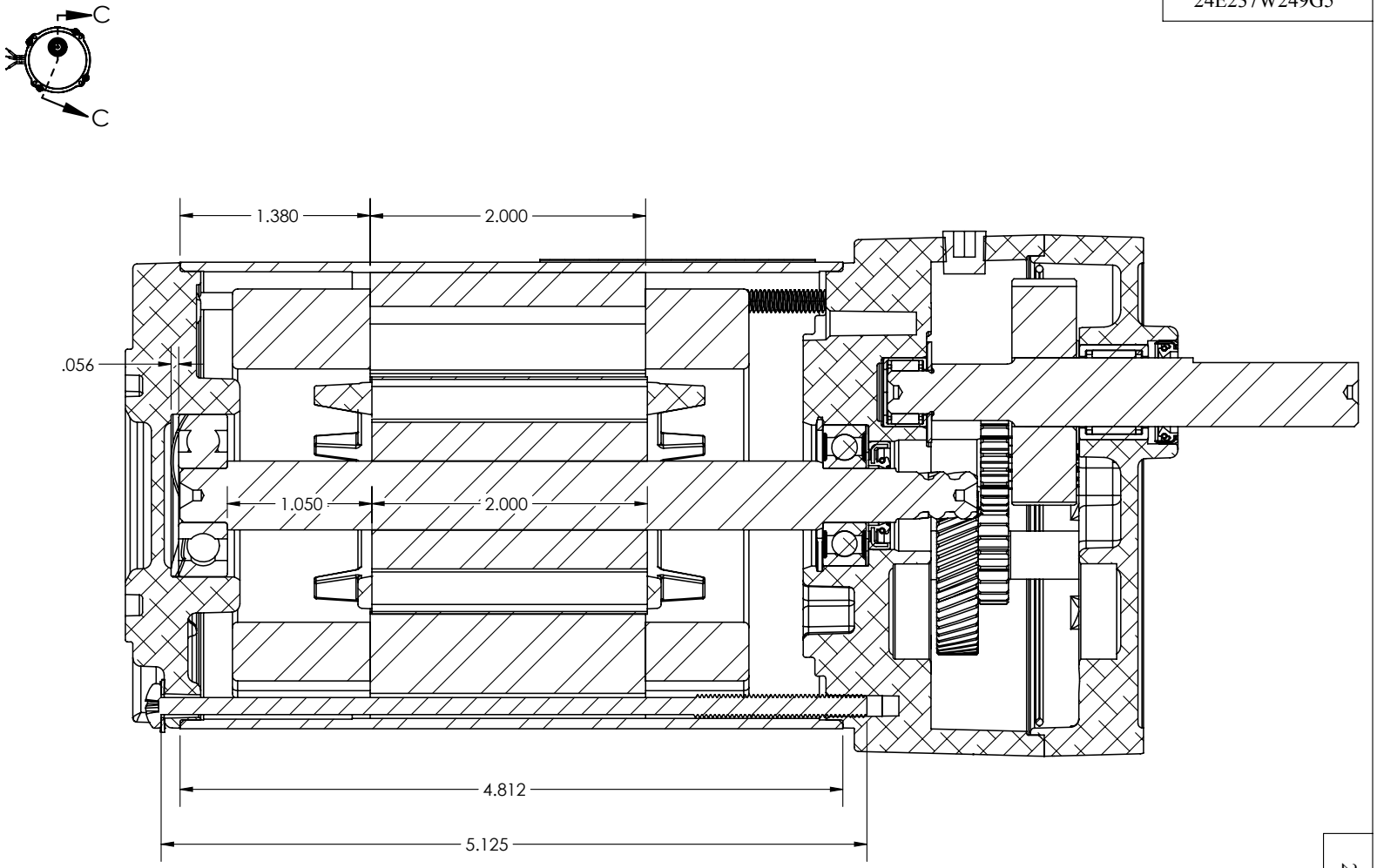
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LY,24AC PSSH RSB TENV 1.560 X 0.500 FLAT & KEY (GCP24050)

24E237W249G5

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24E237W249G5



SECTION C-C

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

REV. DESC: CHG TO HG0047A18,24SH4000A86,24SB0036A49			
REV: A	VERSION: 01	REVISED: 02:31:46 03/05/2015	TDR: 000000895508
24E237W249G5	MODEL NO. 24E237W249G5		REF:
	BY: CKPHIW0		

BALDOR

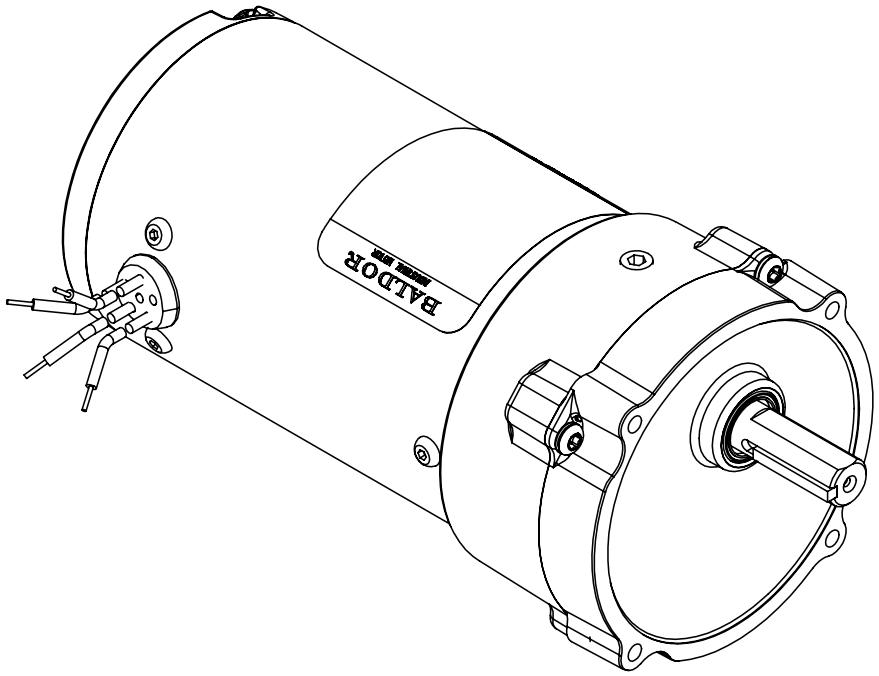
LY,24AC PSSH RSB TENV 1.560 X 0.500 FLAT & KEY (GCP24050)

24E237W249G5

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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	RM1037-24F	1
14	LEAD-1	4
15	98XN0632J02	3
16	24EP3100A05	1
17	HW5109A08	1
18	55XT0632G03	1
19	HW1003A08	2
20	HA3199A82	2
21	SG0047A11	1
22	SG0047A26	1
23	SG0047C15	1
24	CG0001A01	1
25	RM1020A21	1
26	BH1163A02	1
27	HW4600C29	1
28	60XM0832A08	4
29	BMH2764	1
30	NP1220A05	1
31	LB1451	1
32	LC0895A01	1

24E237W249G5



24E237W249G5

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

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

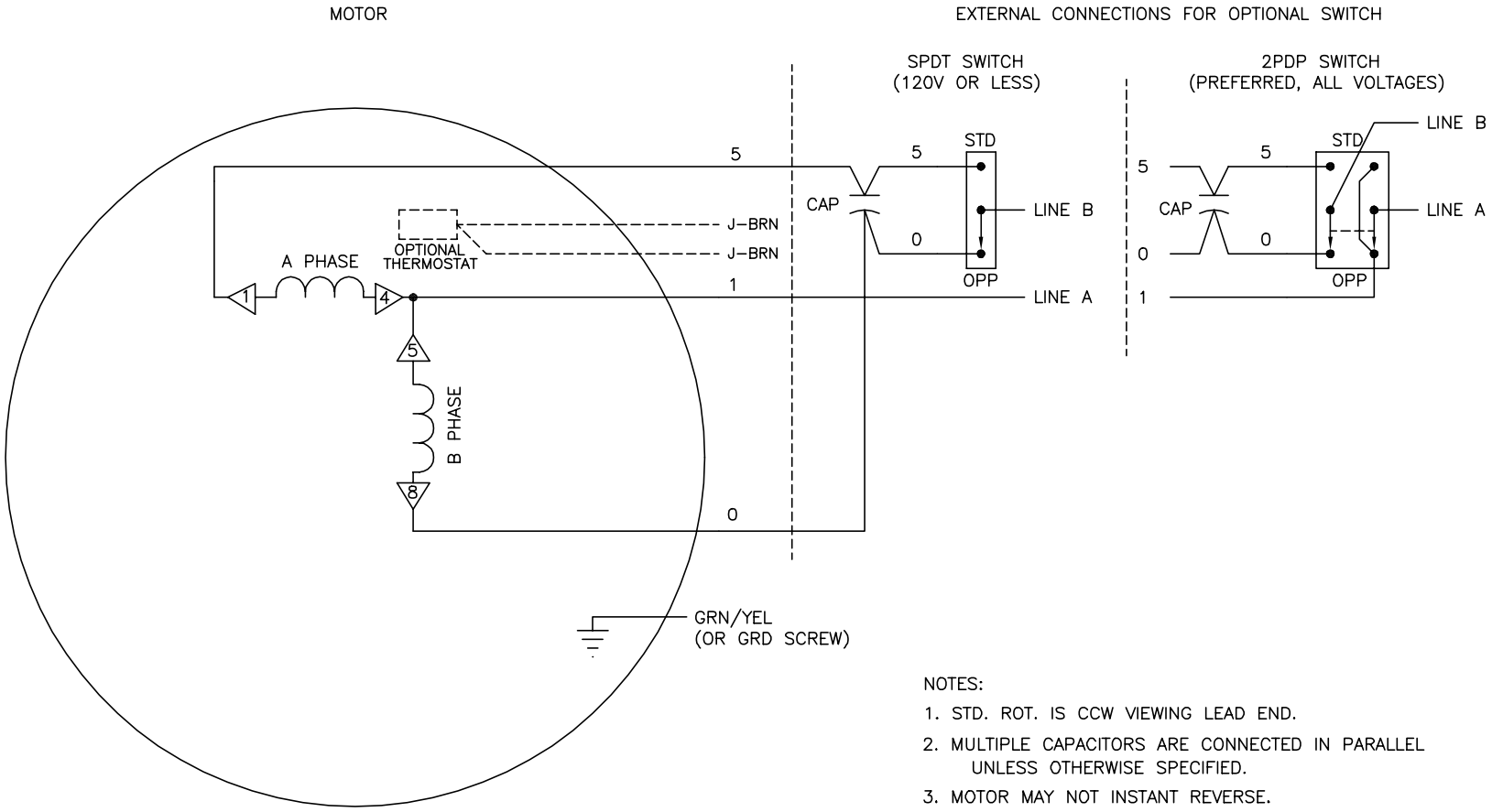
REV: A	VERSION: 01	REVISED: 02:31:46 03/05/2015	TDR: 000000895508

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24E237W249G5	MODEL NO. 24E237W249G5	REF:
	BY: CKPHIW0	LY,24AC PSSH RSB TENV 1.560 X 0.500 FLAT & KEY (GCP24050)

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CD1018



NOTES:

1. STD. ROT. IS CCW VIEWING LEAD END.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. MOTOR MAY NOT INSTANT REVERSE.
4. USE 'CENTER OFF' SWITCH.
5. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
6. △# = MAGNET WIRE COIL END WITH I.D. NUMBER.
7. LEAD COLORS ARE OPTIONAL.

CD1018

REV. DESC: CHANGE TO CLARKSVILLE STANDARD			BALDOR ELECTRIC Co.
REV. LTR: F	VERSION: 04	TDR: 000000384488	
CD1018	FILE: \CKA\00001\395	REVISED: 16:40:45 04/28/2006	TYPE C,SV,REV,3 LD,SEP CAP,OPT SWITCH,CK
	MTL: –	BY: CKANTTO	

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