

BALDOR® • RELIANCE

Product Information Packet

AP7402

.25HP,3450RPM,DC,2424P,TENV

Part Detail							
Revision:	R	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:	2424P	Elec. Spec:	24WGZ107	CD Diagram:	CD1899
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	24A174Z107
Frame:		Mounting:		Poles:	00	Created Date:	
Base:		Rotation:	R	Insulation:	F	Eff. Date:	08-20-2014
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1220A24

CAT.NO.	AP7402		
SER.NO.			
SPEC.	24A174Z107		
FRAME		TYPE	2424P
HP	.25	TE	
VOLTS	90DC		
AMP	2.5		
F.F.	1.5	CLASS	F
RPM	3450		
AMB.	40	DUTY	CONT
BRUSHES	2/BP5052BP01		
APRV-CE		APRV-CUL	

DC Motor Performance Data

Record # 896 - Typical performance - not guaranteed values

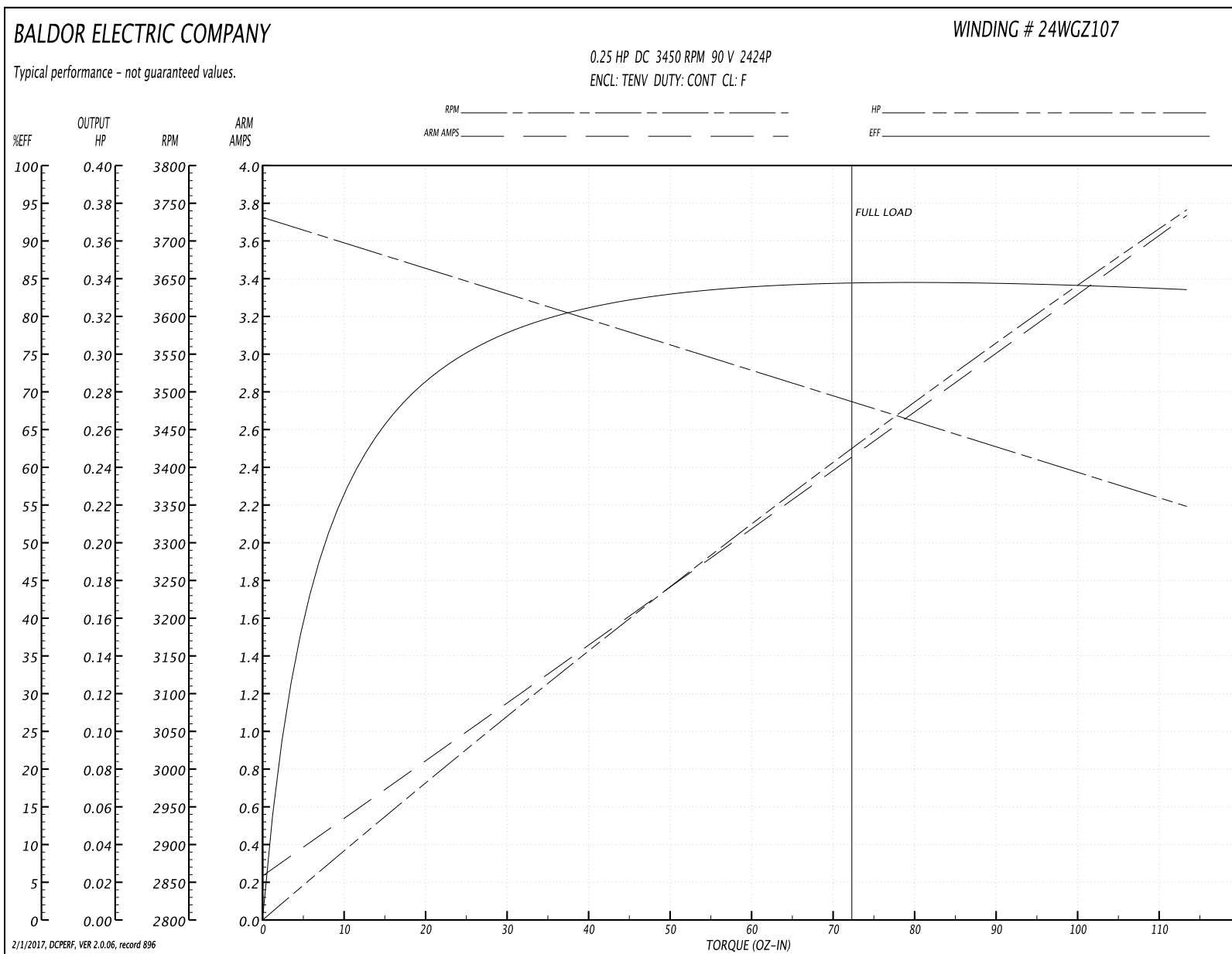
Winding: 24WGZ107-R001	Type: 2424P	Enclosure: TENV
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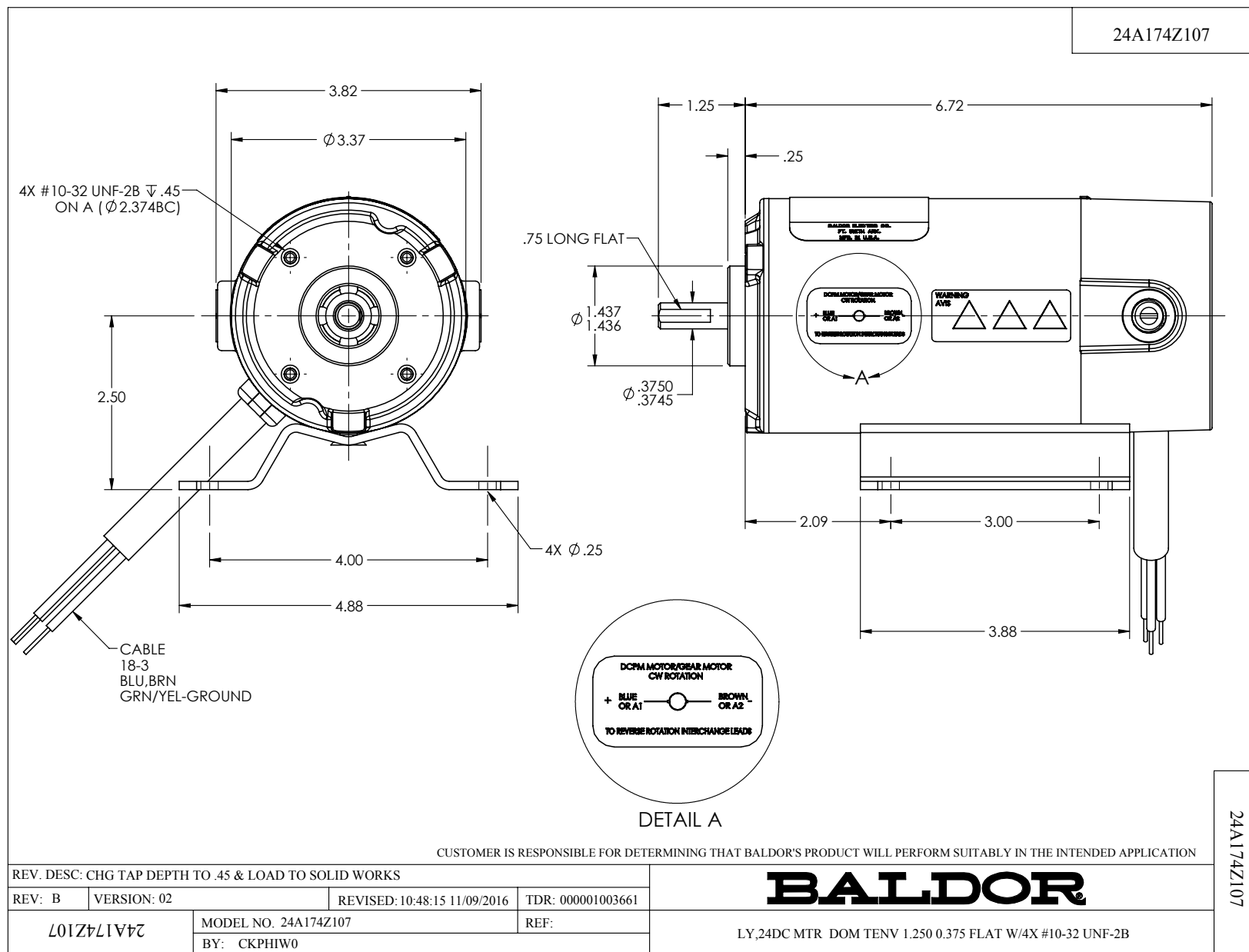
Nameplate Data		General Characteristics	
Rated Output (HP)	0.25	Armature Resistance @ 25°C	2.065 Ω
R.P.M.	3450		
Armature Volts	90		
Armature Amps	2.5		
Field Volts		Armature Inductance	5.84 mH
Field Amps			
Rating - Duty	40C AMB-CONT		
Form Factor	1.5		

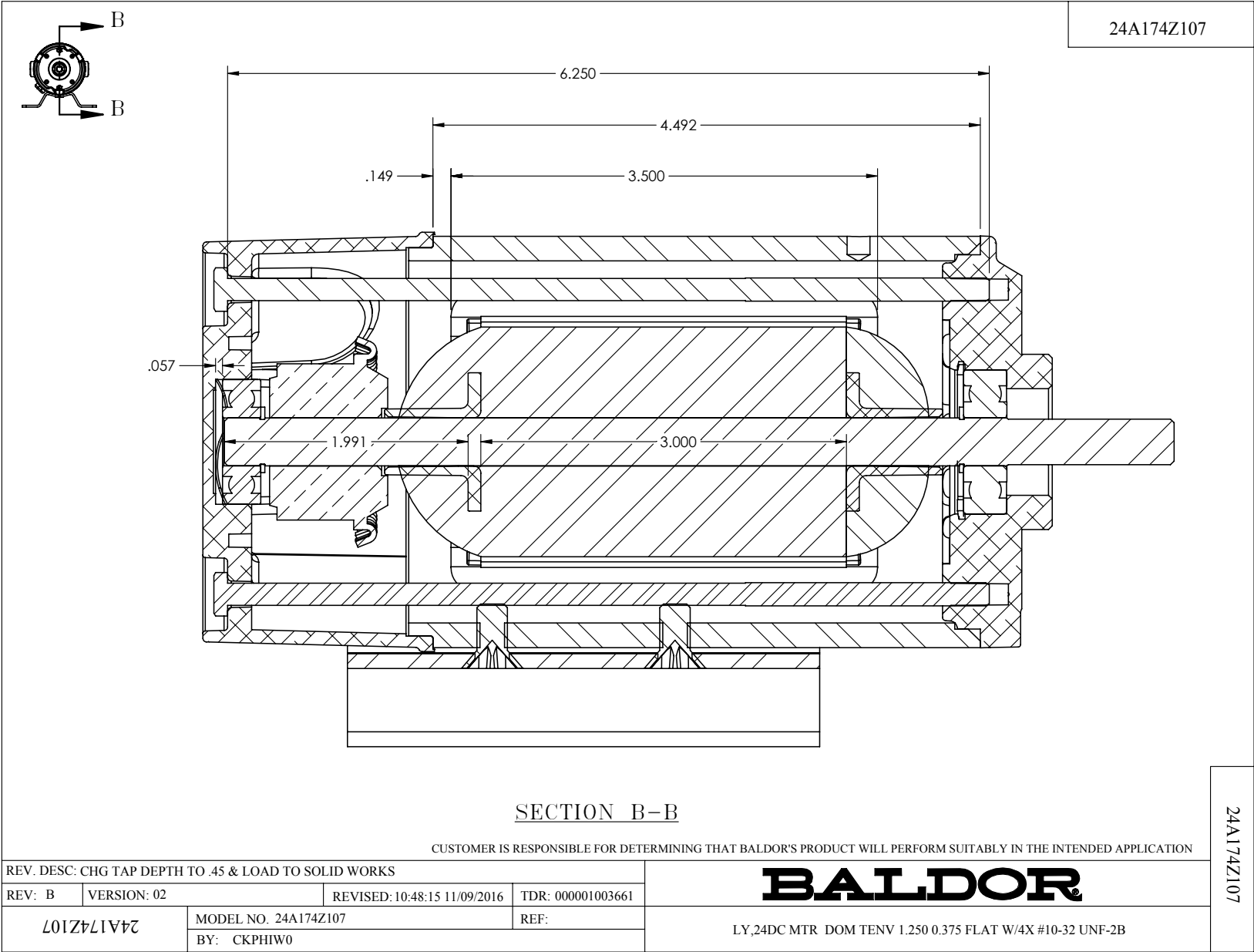
Load Characteristics at 90 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.23	0.78	1.3	1.86	2.45	3.09	3.73
R.P.M.	3730	3673	3608	3549	3500	3421	3341
Torque (OZ-IN)	0	17.4	35	53.6	72	92.4	113.4

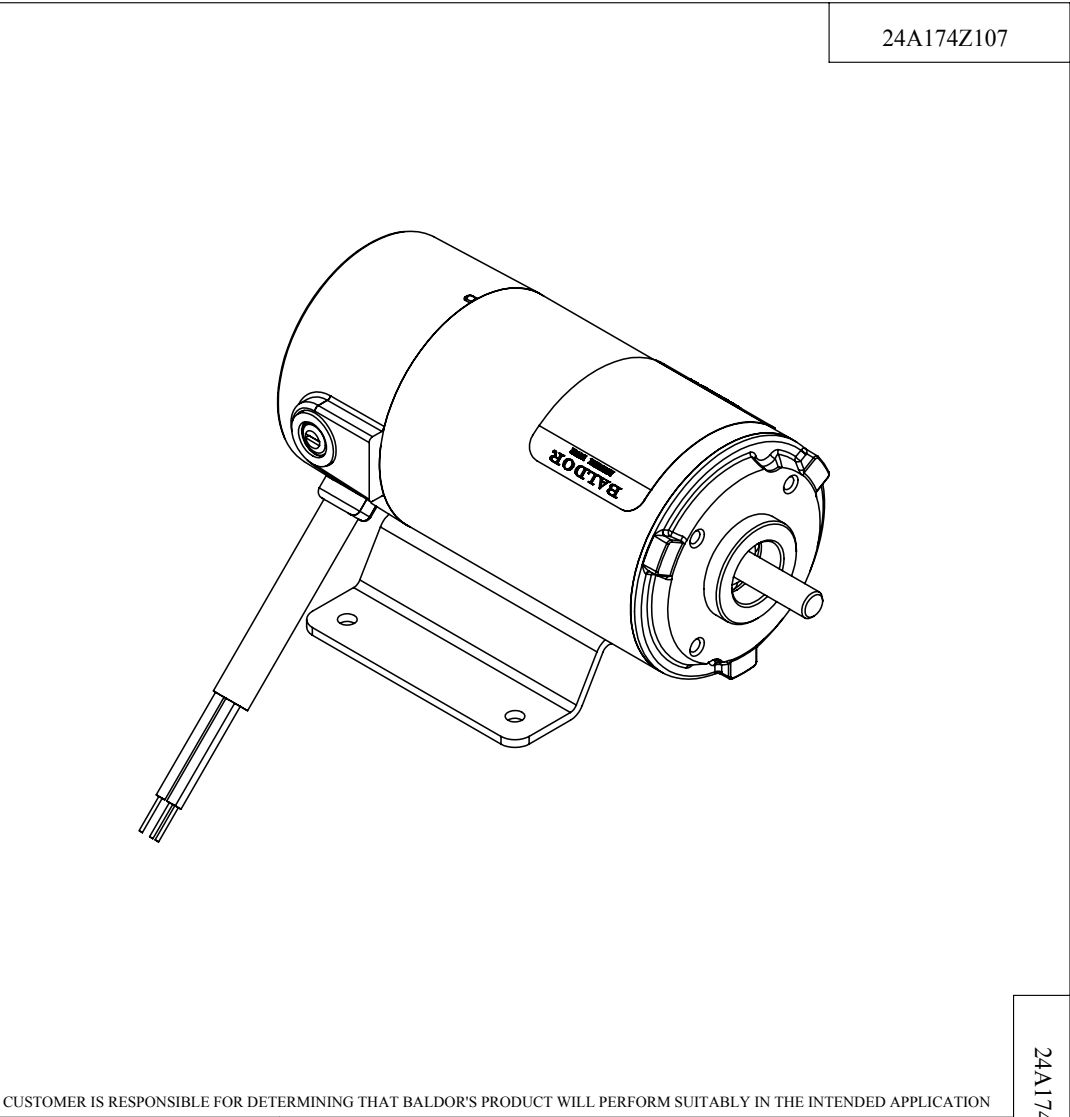
Performance Graph at 90.0 Arm V, 0.25HP Typical performance - Not guaranteed values







ITEM NO.	PART NUMBER	QTY.
1	24EP3107A02	1
2	BG6200C03	1
3	HW5002A45	1
4	24SH4001D24	1
5	HW5060A23	2
6	24AA2024A01	1
7	BG6000C03	1
8	24SB3100D26	1
9	PM1049A06	2
10	BA0166A00	1
11	08XN2520A06	2
12	24EP3102A01	1
13	HW5109A13	1
14	BP4529	2
15	80XN1032A04	2
16	BP5052	2
17	BP4530	2
18	HA3100A10	2
19	WD4102A01	1
20	BCB1111-115	1
21	NP1220A24	1
22	LB1451	1
23	LC0899A07	1

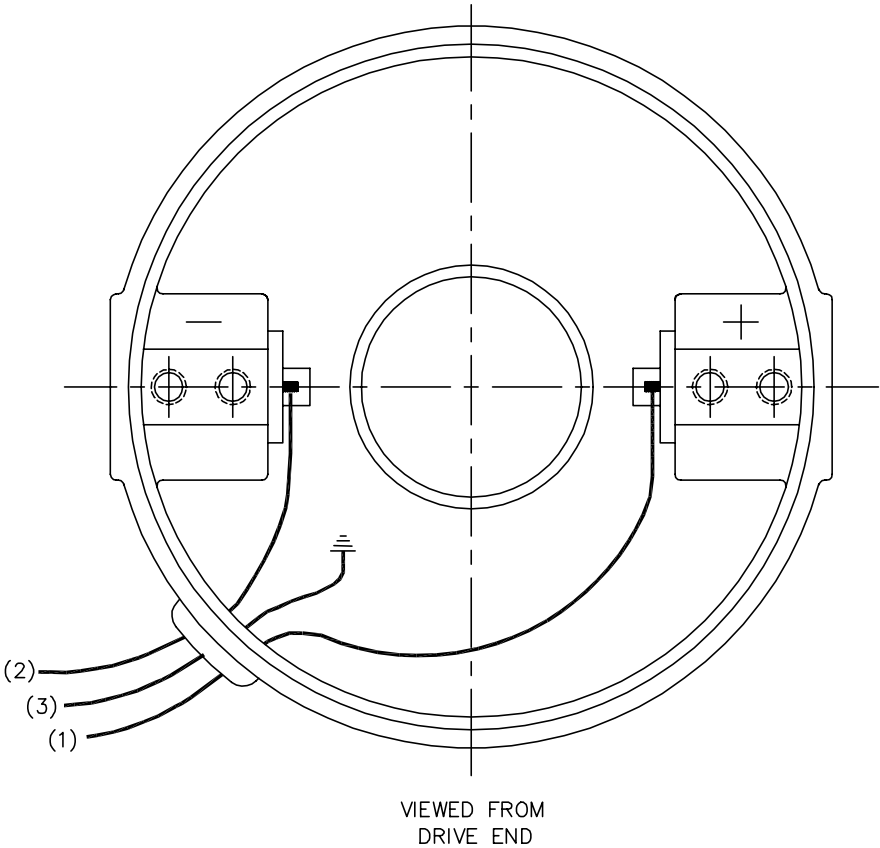


REV. DESC: CHG TAP DEPTH TO .45 & LOAD TO SOLID WORKS				BALDOR LY,24DC MTR DOM TENV 1.250 0.375 FLAT W/4X #10-32 UNF-2B	
REV: B	VERSION: 02		REVISED: 10:48:15 11/09/2016		TDR: 000001003661
24A174Z107	MODEL NO. 24A174Z107		REF:		
	BY: CKPHIW0				

24A174Z107

CD1899

- (1) COLOR MAY BE
RED
WHT
BLU
- (2) COLOR MAY BE
BLK
BRN
- (3) COLOR WHEN REQ.
GRN
GRN/YEL



REV. DESC: NEW			
REV. LTR: -	BY: PAW	REVISED: 09:06:34 09/16/2004	TDR: 341564
668100		FILE: CKA00025830	REF: CD1899
		MTL: -	

BALDOR ELECTRIC Co.

PM,2LD,REV,TANG,CK

CD1899