

BALDOR® • RELIANCE

Product Information Packet

GPP12540

.13HP,DC,PSSM-0,2416P,TENV,F1

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	24WGZ026	CD Diagram:	CD1899
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	24A099Z026G1
Frame:	PSM	Mounting:		Poles:	///	Created Date:	
Base:		Rotation:	R	Insulation:	F	Eff. Date:	06-02-2015
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1220A08

CAT.NO.	GPP12540		
SER.NO			
SPEC.	24A099Z026G1		
FRAME	PSM	TYPE	2416P
HP	.13	TE	
VOLTS	90DC		
AMP	1.35		
F.F.	1.56	CLASS	F
AMB.	40	DUTY	CONT
BRUSHES	2/BP5052BP01		
R.P.M.	500		
TORQ/IN LB	15		
RATIO	5:1		
APRV-CE		APRV-CUL	

Parts List		
Part Number	Description	Quantity
SA099554	SA 24A099Z026G1	1.000 EA
AA009132	AA 24A099Z026G1	1.000 EA
LC0899A07	CONNECTION LABEL, DCPM CW ROTATION CE CO	1.000 EA
BP5052BP01SP	BRUSH, GRADE R884 NATIONAL CARBON (FOR 1	1.000 EA
HG0060A01CL	HSG,PSM EP 24DC 2 STAGE	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
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
NP1220A08	NP,DC STD AD NONE V GEAR MOTOR CE CUL	1.000 EA
24EP3102A01L	EP,24DC 0DE CL 0.63P4	1.000 EA
HW5109A13	WASHER, WAVE SPRING FOR 26MM BORE SMALLE	1.000 EA
BP4529SP	BRUSH TUBE HOLDER:BBR1097	1.000 EA
80XN1032A04	10-32 X 1/4 SET SCREW	2.000 EA
BP4530SP	BRUSH TUBE CAP:BBR1094	1.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
BCB1111-115	CABLE ASS'Y, 18-3-SJTO 24F	1.000 EA
55XT0632G03	6-32 X 0.187 RD HD PHILLIPS, SERRATED	1.000 EA
HA3100A32	THRUBOLT 10-32 X 5.500	2.000 EA
SG0052A40	SHAFT,ASSY PSM LONG INT1 2RED 1.0/5.0	1.000 EA
SG0052A41	SHAFT,ASSY PSM LONG OUTP 2RED 0.0/1.0	1.000 EA
BCG5495-001CL	CAP,PSM STD	1.000 EA
RM1020A24	O-RING,3.690 I.D. X .073 BUNA BGA4882	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4600D90	SEAL 0.625 X 1.000 X 0.250 SINGLE LIP	1.000 EA
BH1103	SCE1010 NEEDLE, SCE1010 .625X.812X.625	1.000 EA
84XN1032J16	SCREW, SOC HD CAP 10-32 X 1"	4.000 EA
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.066 GA
HW2501D10	KEY, 3/16 SQ X 1.000	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
CPA1000	PACKING GROUP STD. SINGLE	1.000 EA
MG2000A14	RUST VETO 342 RUST INHIBITOR	0.001 GA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.080 FT

Accessories		
Part Number	Description	Multiplier
B92	BASE-HORIZONTAL FOOT MOUNT PSM	A8
B93	BASE-FACE MOUNT 3 POINT PSM	A8
BC115	FRAC DC ANALOG,115AC,50/60HZ,1.5A,1	E9
BC138	3478# KBWM-120 CN3000A57	E9
BC140	CS2934A,120/240VAC .5/1-HP SCR CTL,NEMA	E9
BC140-FBR	3479G KBMD-240D w/FBR CN3000A54	E9
BR0100	PLUG IN RESISTOR	E9

DC Motor Performance Data

Record # 2006 - Typical performance - not guaranteed values

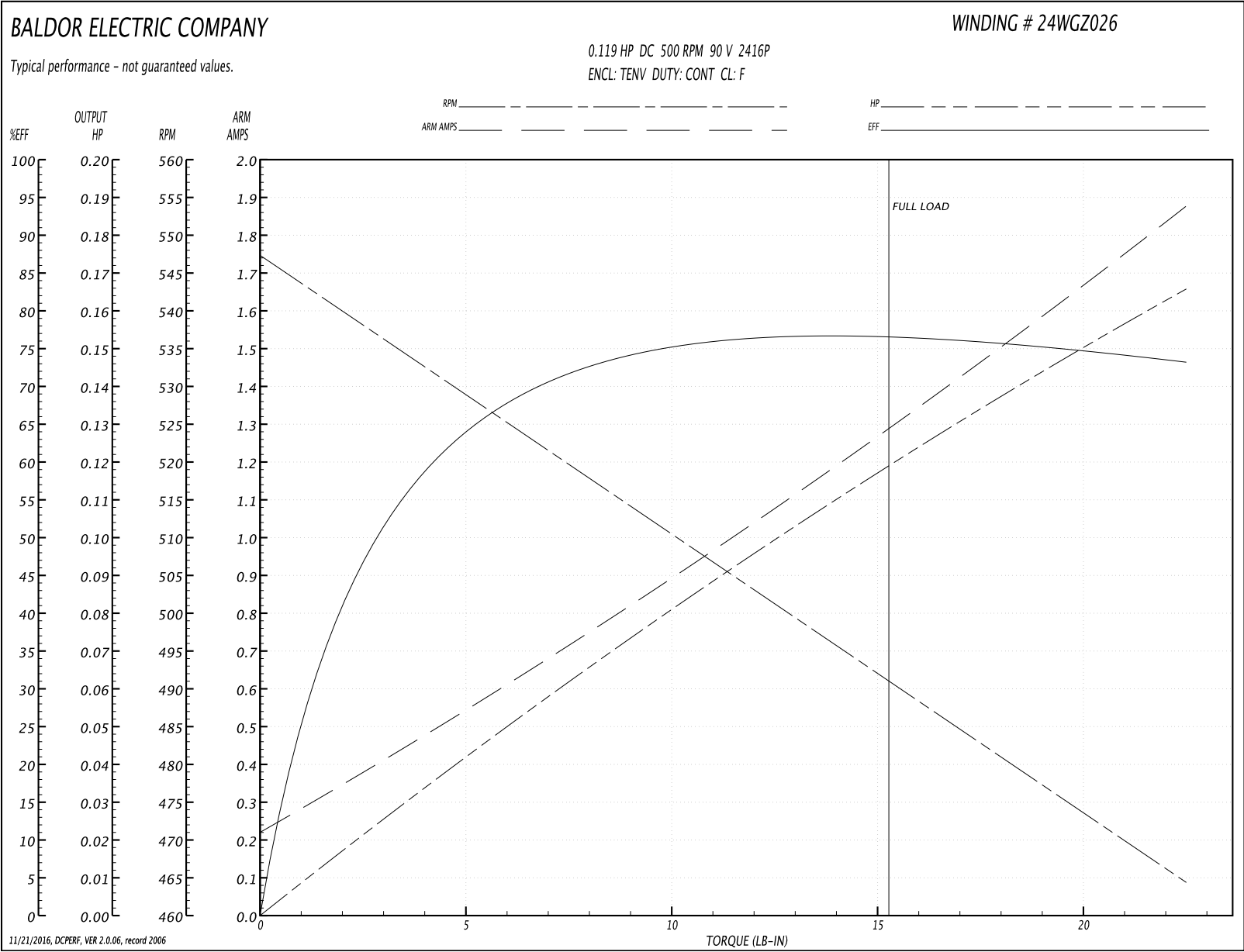
Winding: 24WGZ026-R001 Gear Type: PARALLEL	Type: 2416P Gear Style: PSM	Enclosure: TENV Gear Ratio: 5:1
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Nameplate Data		General Characteristics	
Rated Output (HP)	0.119	Armature Resistance @ 25°C	6.19 Ω
R.P.M.	500		
Armature Volts	90	Voltage Constant	32 v/krpm
Armature Amps	1.28		
Field Volts		Armature Inductance	21.5 mH
Field Amps		Armature Inertia	12.6 OI ²
Rating - Duty	40C AMB-CONT		
Form Factor	1.56	Maximum allowable inrush amps	12.5

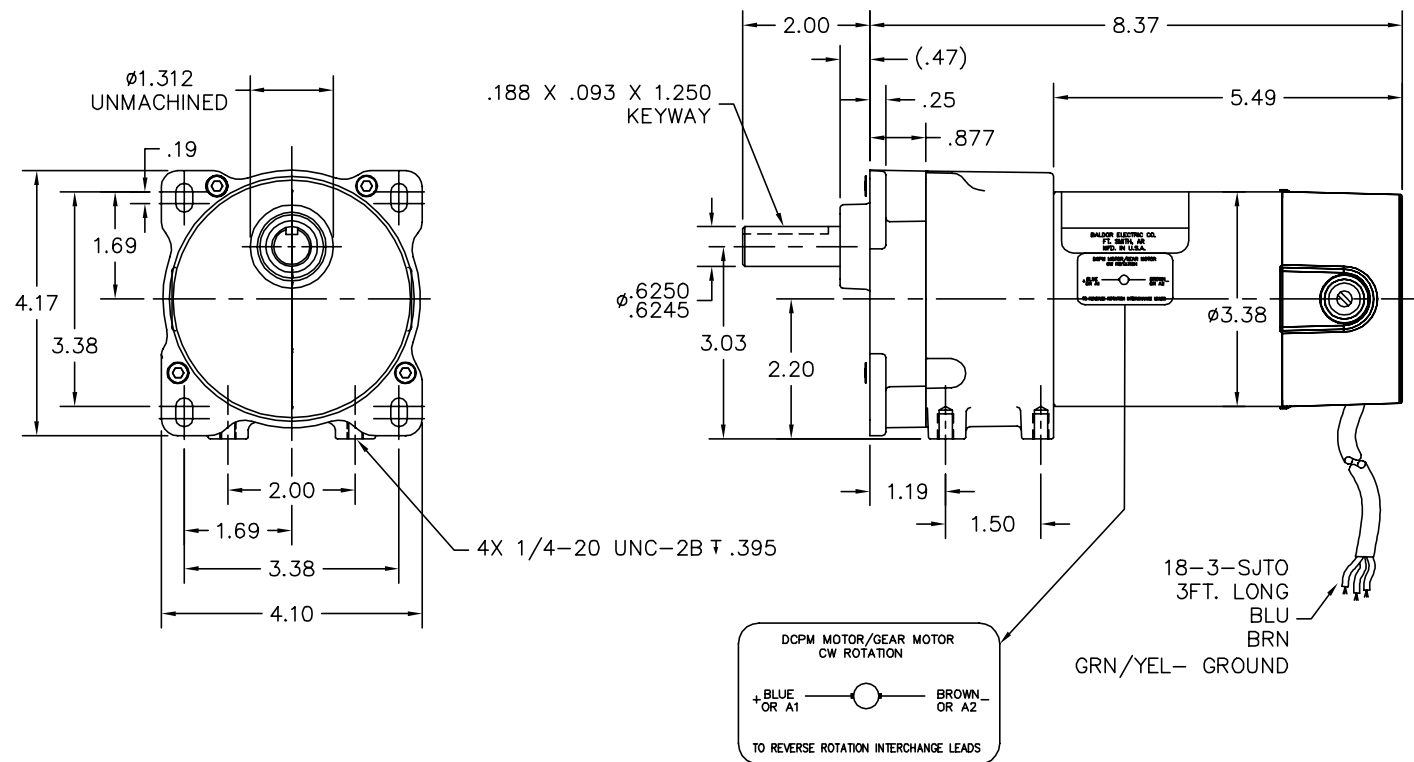
Load Characteristics at 90 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.23	0.45	0.7	1	1.28	1.55	1.88
R.P.M.	546	535	520	505	492	480	463
Torque (LB-IN)	0	3.75	7.5	11.25	15	18.75	22.5

Performance Graph at 90.0 Arm V, 0.119HP Typical performance - Not guaranteed values



24A099Z026G1



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: REMOVE TAGS CALLOUT ON THE LEADS

REV. LTR: E

VERSION: 05

TDR: 000000490938

1G9Z0Z960V+Z

FILE: \CKA\00021\622

REVISED: 16:36:26 02/16/2009

MTL: -

BY: CKMARD0

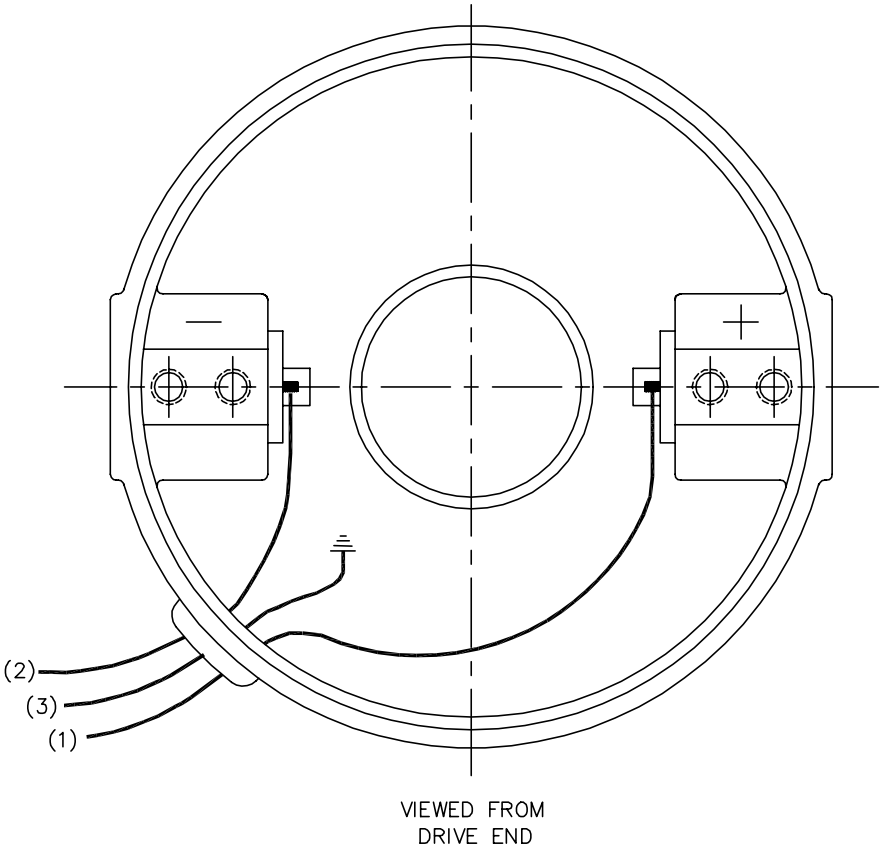
BALDOR • DODGE • RELIANCE

LY,24DC PSM DOM TENV (GPP12540)

24A099Z026G1

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