

BALDOR® • RELIANCE

Product Information Packet

GPP12561

G.M. J16MA 180VDC 250 RPM 10:1 CAT#GPP12

Part Detail							
Revision:	W	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	24WGZ063	CD Diagram:	CD1899
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	24A099Z063G3
Frame:	PSM	Mounting:		Poles:	///	Created Date:	
Base:		Rotation:	R	Insulation:	F	Eff. Date:	10-07-2015
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1220A39

CAT.NO.	GPP12561		
SER.NO			
SPEC.	24A099Z063G3		
FRAME	PSM	TYPE	2416P
HP	1/8 TE	KW	.093 TE
VOLTS	180DC		
AMP	.77		
F.F.	1.5	CLASS	F
AMB.	40	DUTY	CONT
BRUSHES	2/BP5052BP01		
R.P.M.	250		
TORQ/IN LB	30	N.M.	3.4
RATIO	10:1		
APRV-CE		APRV-CUL	

Parts List		
Part Number	Description	Quantity
SA108394	SA 24A099Z063G3	1.000 EA
AA009809	AA 24A099Z063G3	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
NP1220A39	NP,DC STD AD NONE V GEAR MOTOR CE CUL KW	1.000 EA
LC0899A07	CONNECTION LABEL, DCPM CW ROTATION CE CO	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
SG0052A42	SHAFT,ASSY PSM LONG INT1 2RED 2.0/5.0	1.000 EA
SG0052A43	SHAFT,ASSY PSM LONG OUTP 2RED 0.0/2.0	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	0.030 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
LB1451	WARNING LABEL, CE WARNING SYMBOLS ONLY	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
BC139	.25HP-230V/SCR CNTL,AC,HP RES REQ.	E9
BC140	CS2934A,120/240VAC .5/1-HP SCR CTL,NEMA	E9
BC140-FBR	3479G KBMD-240D w/FBR CN3000A54	E9
BR0251	PLUG IN RESISTOR	E9

DC Motor Performance Data

Record # 2259 - Typical performance - not guaranteed values

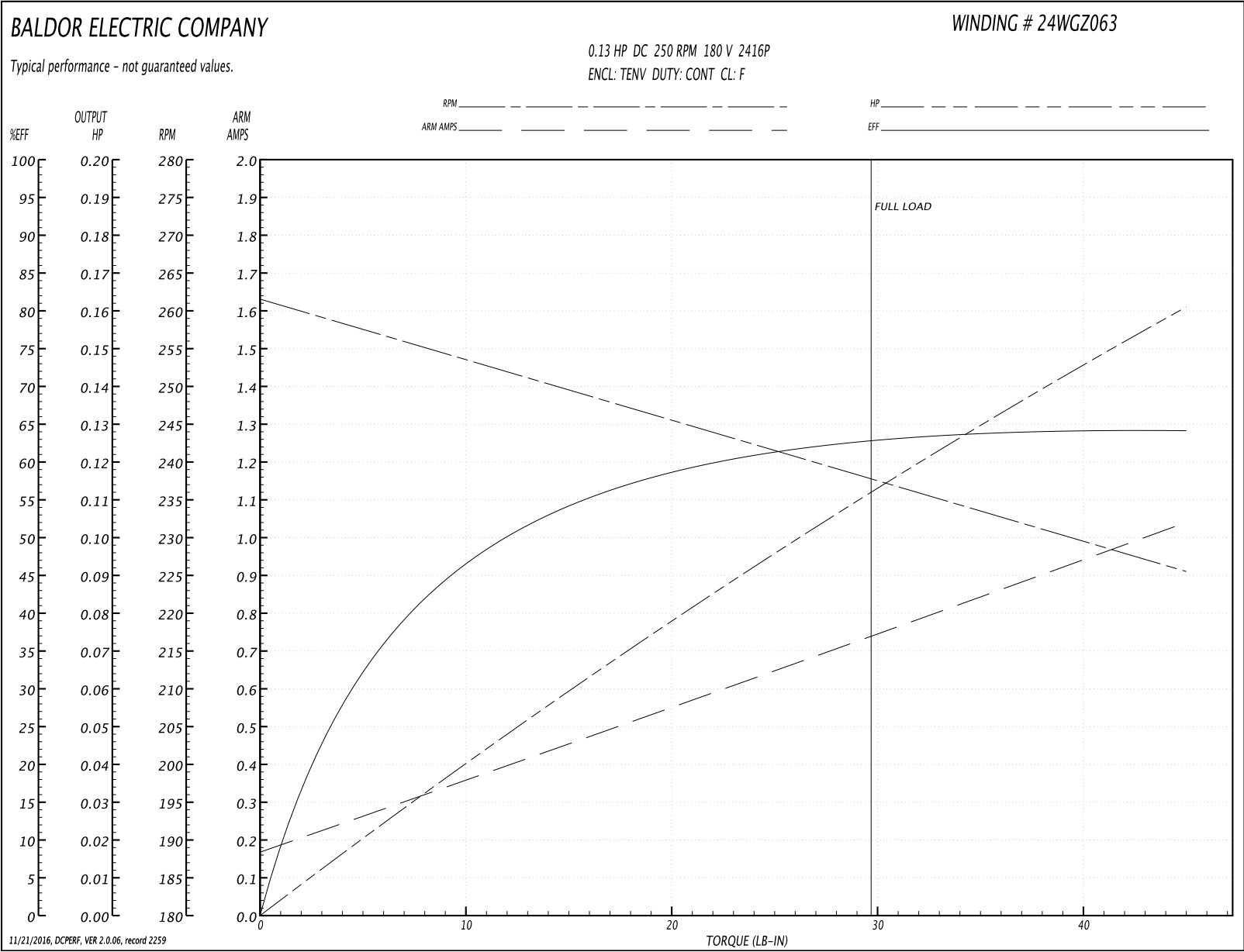
Winding: 24WGZ063-R003 Gear Type: PARALLEL	Type: 2416P Gear Style: PSM	Enclosure: TENV Gear Ratio: 10:1
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Nameplate Data		General Characteristics	
Rated Output (HP)	0.13	Armature Resistance @ 25°C	23.12 Ω
R.P.M.	250		
Armature Volts	180	Voltage Constant	66 v/krpm
Armature Amps	0.67		
Field Volts		Armature Inductance	73.95 mH
Field Amps			
Rating - Duty	40C AMB-CONT		
Form Factor	1.5		

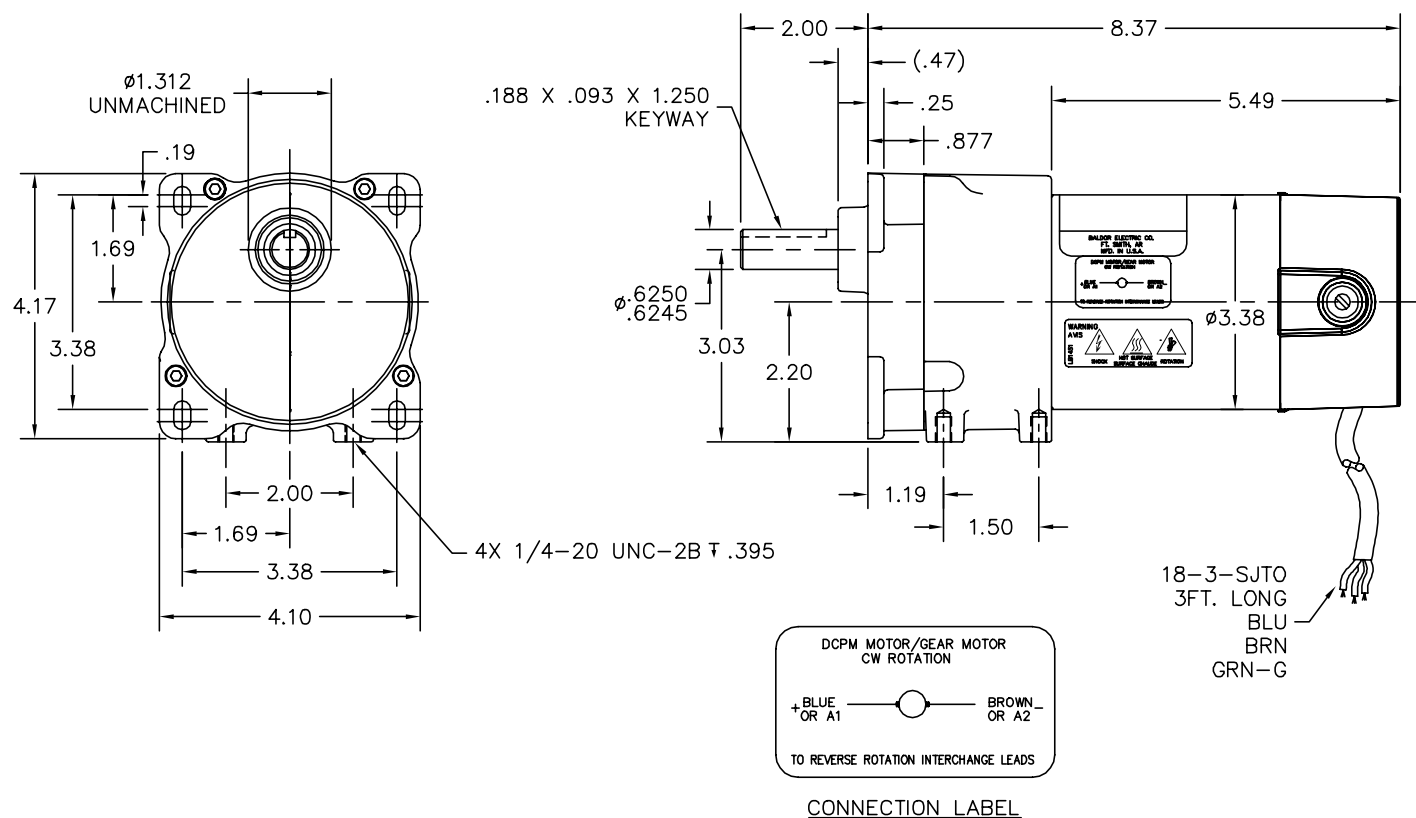
Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.17	0.31	0.45	0.6	0.75	0.89	1.04
R.P.M.	262.7	255	249	243	237	232	226
Torque (LB-IN)	0	7.5	15	22.5	30	37.5	45

Performance Graph at 180.0 Arm V, 0.13HP Typical performance - Not guaranteed values



24A099Z063G3



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

REV. DESC: ADD LB1451

REV. LTR: B

VERSION: 02

TDR: 000000947664

FILE: \CKA\00021\608

REVISED: 01: 40: 07 10/07/2015

BY: CKRONSO

MTL: -

BALDOR

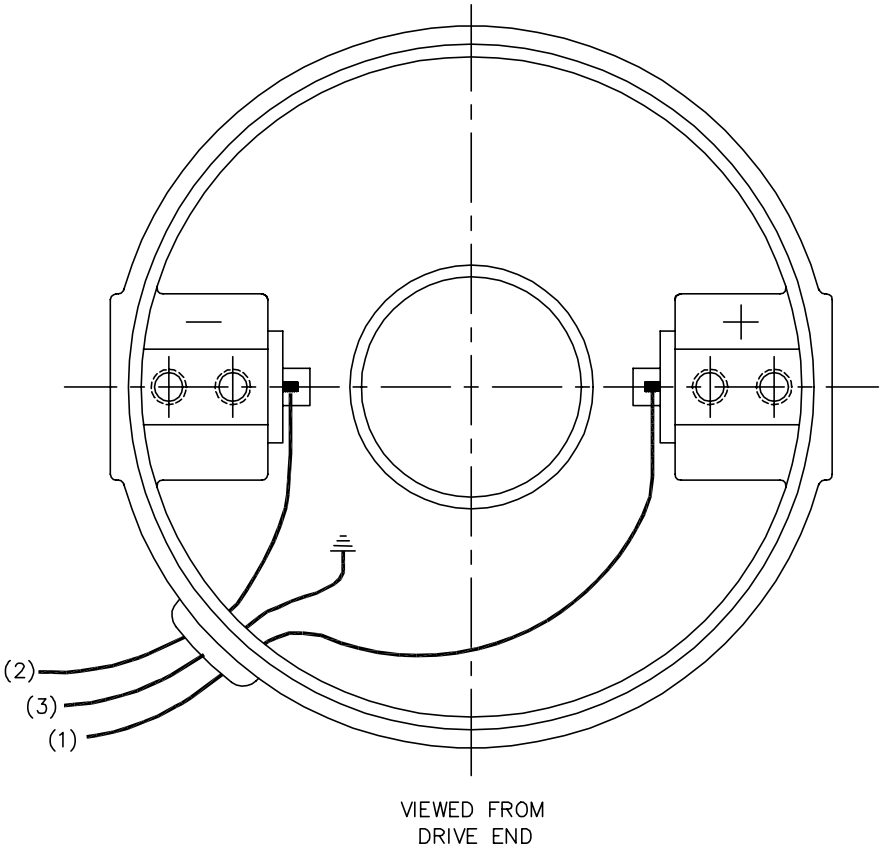
LY,24DC PSM DOM TENV

SH 1 of 1

24A099Z063G3

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