

BALDOR® • RELIANCE

Product Information Packet

GP24120

.25HP, DC, G-BOX WORM_HELICAL, TENV GM

Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:		Elec. Spec:	24WGZ105	CD Diagram:	CD1918
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	24A618Z105G2
Frame:	G	Mounting:		Poles:	///	Created Date:	04-20-2006
Base:		Rotation:	R	Insulation:	F	Eff. Date:	05-06-2016
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1220A08

CAT.NO.	GP24120		
SER.NO			
SPEC.	24A618Z105G2		
FRAME	G	TYPE	2424P
HP	.13	TE	
VOLTS	90		
AMP	1.36		
F.F.	1.36	CLASS	F
AMB.	40	DUTY	CONT
BRUSHES	2/BP5052BP01		
R.P.M.	14		
TORQ/IN LB	280		
RATIO	120:1		
APRV-CE		APRV-CUL	

Parts List		
Part Number	Description	Quantity
SA148378	SA 24A618Z105G2	1.000 EA
AA012446	AA 24A618Z105G2	1.000 EA
LC0899A08	CONNECTION LABEL, DCPM CCW ROTATION CE C	1.000 EA
BP5052BP01SP	BRUSH, GRADE R884 NATIONAL CARBON (FOR 1	1.000 EA
24EP3107A12L	EP,24DC DE CL 6200 W/THRU HOLES FOR G	1.000 EA
HW5002A45	RETAINING RING,WALDES TRUARC N5002-118	1.000 EA
HW4600G58	SEAL,10X20X4MM PGS 25002184 VITON VT802	1.000 EA
24EP3103A45L	EP,24DC ODE CL 0.63 P3R	1.000 EA
HW5109A13	WASHER, WAVE SPRING FOR 26MM BORE SMALLE	1.000 EA
80XN1032A04	10-32 X 1/4 SET SCREW	2.000 EA
BP4529SP	BRUSH TUBE HOLDER:BBR1097	1.000 EA
BP4530SP	BRUSH TUBE CAP:BBR1094	1.000 EA
55XT0632G03	6-32 X 0.187 RD HD PHILLIPS, SERRATED	1.000 EA
LD0110A15	ASM,CABLE 18-3 SJTO BR,BL,G/Y, 40"	1.000 EA
WD4102A01	SR-6L-1 HEYCO STRN RELIEF OR 23MPO6L10 M	1.000 EA
HA3100A10	THRUBOLT 10-32 X 6.250	2.000 EA
HG0074A04L	HSG,G MACHINED STD.	1.000 EA
HA4021A05	1/16 NPSF-HX SOC PIPE PLUG TAPER DRY SEA	1.000 EA
RM1057	RUBBER SQUARE RING 1.424 I.D.	1.000 EA
84XN1032J14	#10-32 X 7/8 SOC HD CAP BKOX	4.000 EA
MJ5004A35	ADHESIVE LOCTITE #243-31 50 ML	0.001 EA
SG0056A26	SHAFT,ASSY G INP 2RED 4.0/30.0	1.000 EA
HW5109A04	WASHER, SPLIT WAVE SPRING, FOR 32MM BORE	1.000 EA
SG0056A18	SHAFT,ASSY G OUTP 2RED 0.0/4.0	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW5109A10	WASHER, WAVE SPRING FOR 47MM BORE SMALLE	1.000 EA
HW3075J05	1/4 X 1/2 GROOVE PIN TYPE H	2.000 EA
CG0011A04L	HSG,CAP G MACHINED 3X 5/16-18 MOUNTING	1.000 EA
84XN2520J16	1/4-20 X 1 SOC HD CAP SCREW	6.000 EA
HW4600G71	SEAL, .750 X 1.250 X .250 SGL LIP FT802	1.000 EA
MJ1000B02	KLUB. GH6-460 GEAR OIL 1 GALLON	0.050 GA
MJ5001A19	LOCTITE #598 ULTRA BLACK, 50 LB PAIL, IT	0.010 LB
HW2501D15	KEY, 3/16 X 1.625	1.000 EA
NP1220A08	NP,DC STD AD NONE V GEAR MOTOR CE CUL	1.000 EA
CPA1000	PACKING GROUP STD. SINGLE	1.000 EA
ME4000	.375-.75" DIA.#SW-04 WOVEN SHAFT PROTECT	0.125 FT

DC Motor Performance Data

Record # 1767 - Typical performance - not guaranteed values

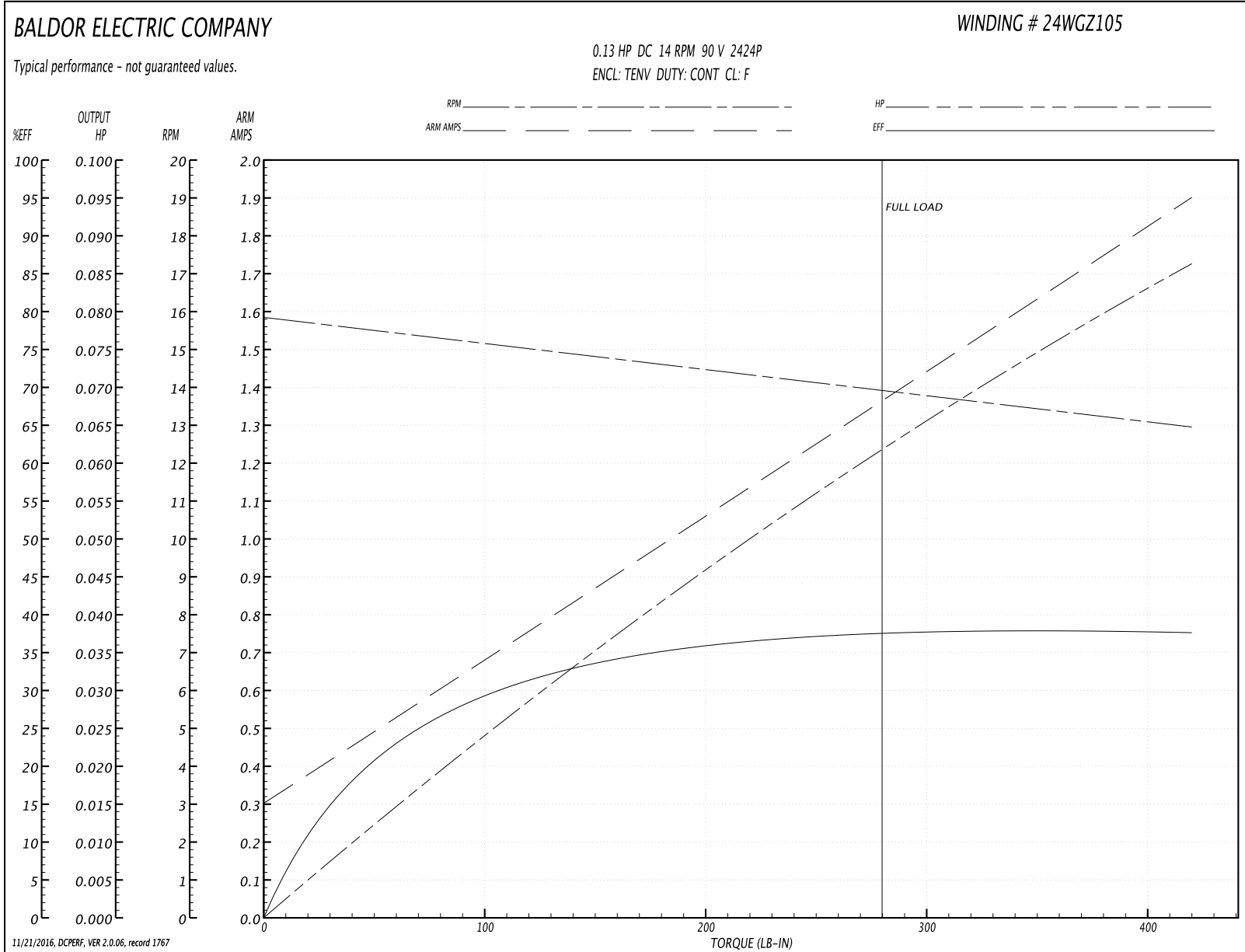
Winding: 24WGZ105-R001 Gear Type: RIGHTANGLE	Type: 2424P Gear Style: G	Enclosure: TENV Gear Ratio: 120:1
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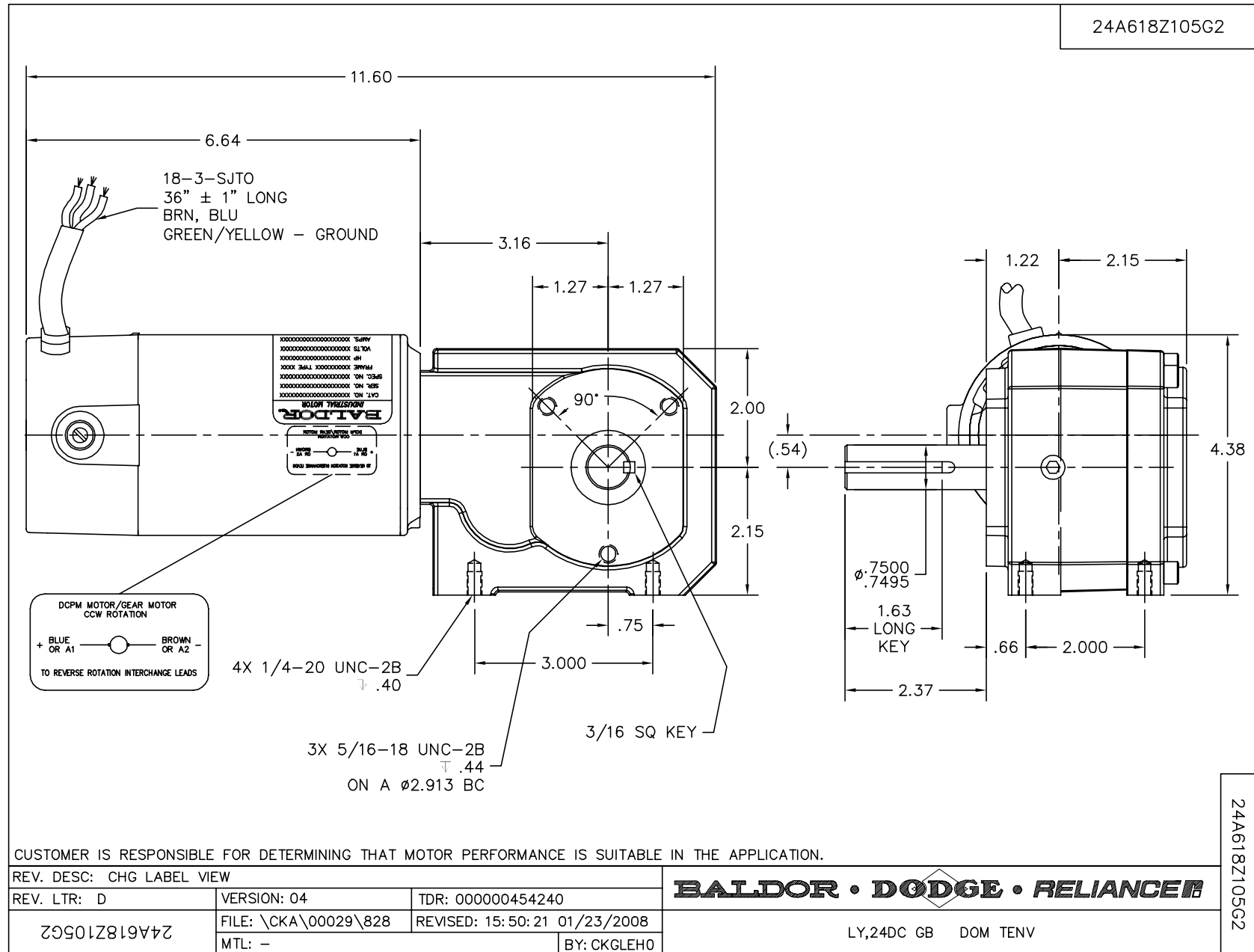
Nameplate Data		General Characteristics	
Rated Output (HP)	0.13	Armature Resistance @ 25°C	8.27 Ω
R.P.M.	14		
Armature Volts	90		
Armature Amps	1.36		
Field Volts		Armature Inductance	29 mH
Field Amps		Armature Inertia	17.58 OI^2
Rating - Duty	40C AMB-CONT		
Form Factor	1.36	Maximum allowable inrush amps	14.5

Load Characteristics at 90 Armature Volts

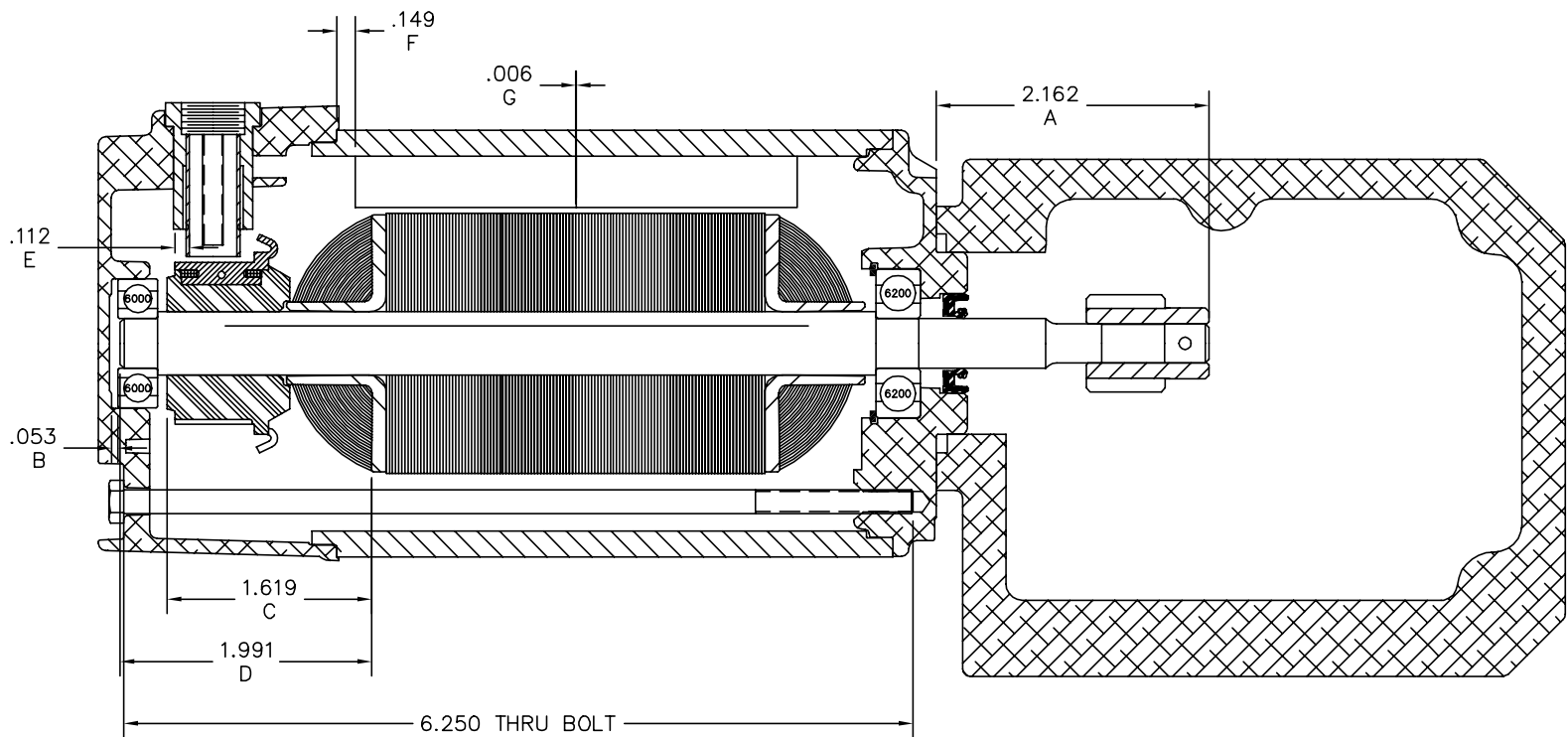
Load Point	1	2	3	4	5	6	7
Armature Amps	0.3	0.57	0.83	1.11	1.36	1.62	1.91
R.P.M.	15.8	15.4	14.9	14.4	13.9	13.5	12.9
Torque (LB-IN)	0	70	140	210	280	350	420

Performance Graph at 90.0 Arm V, 0.13HP Typical performance - Not guaranteed values





24A618Z105G2



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

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REV. LTR: D

VERSION: 04

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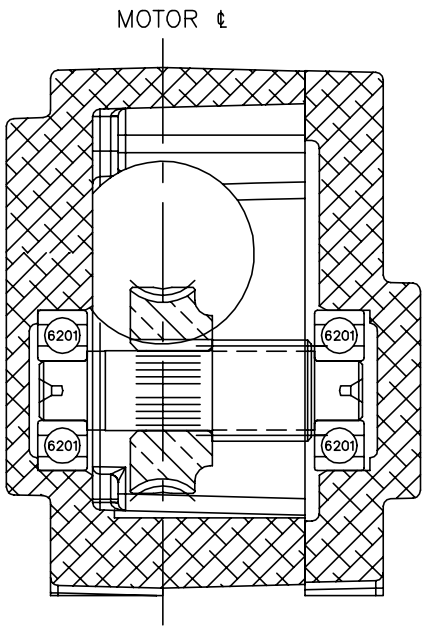
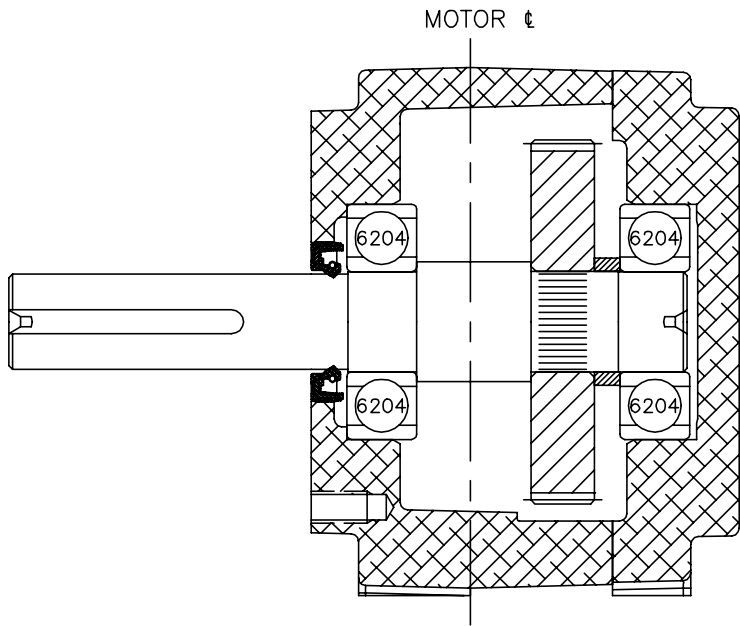
BY: CKGLEH0

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