PRODUCT INFORMATION PACKET

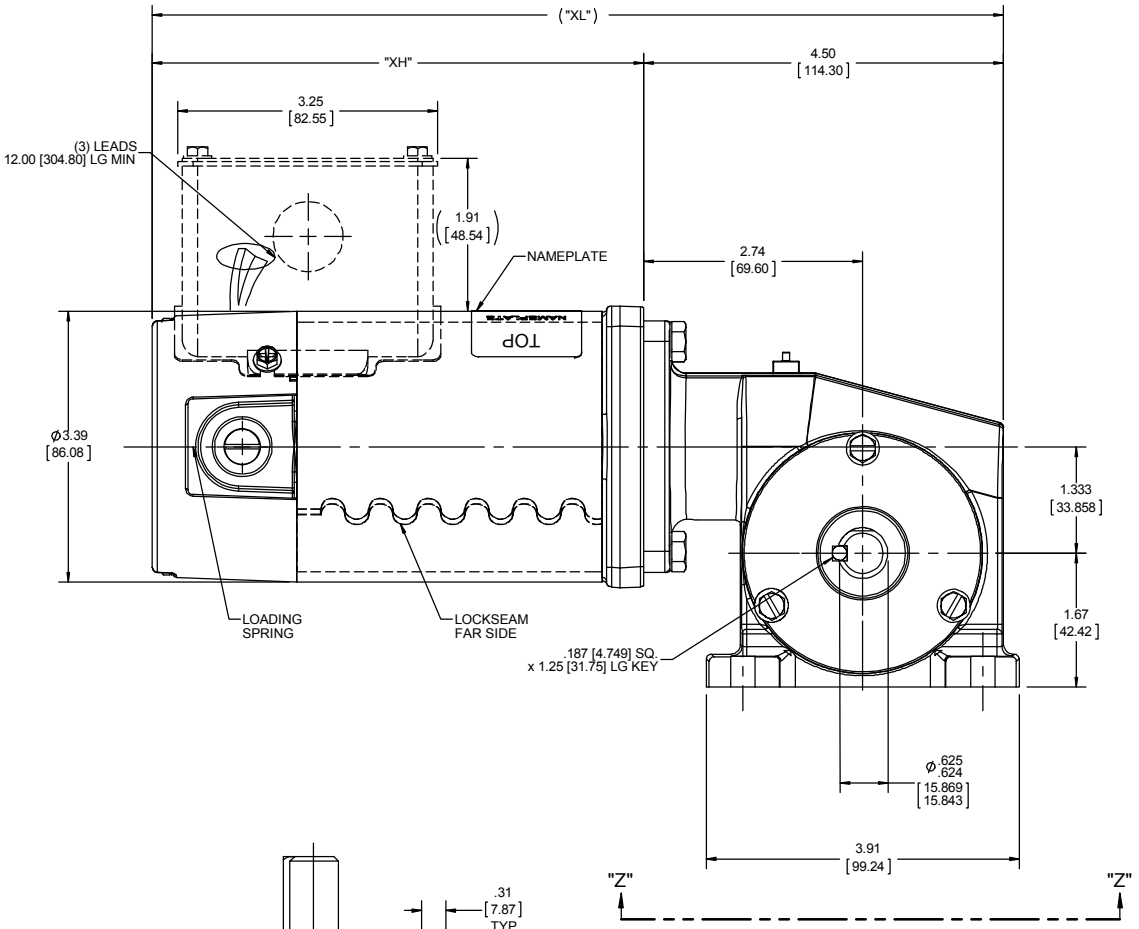
Model No: M1135040.00
Catalog No: M1135040.00
Right Angle Gearmotor, 0.13 HP, 90 V, 250 RPM, 34 Frame, TENV

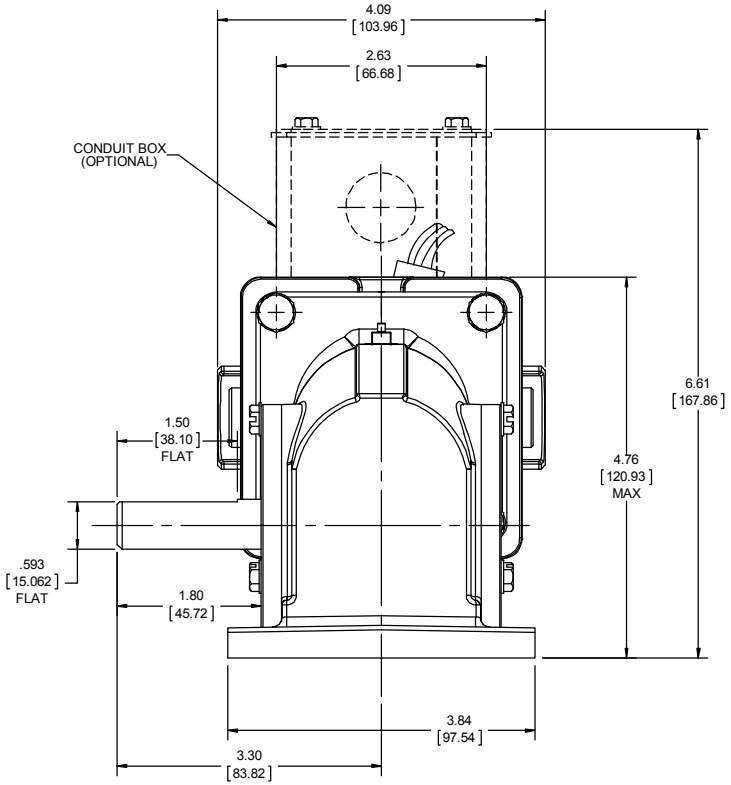
Nameplate Specifications

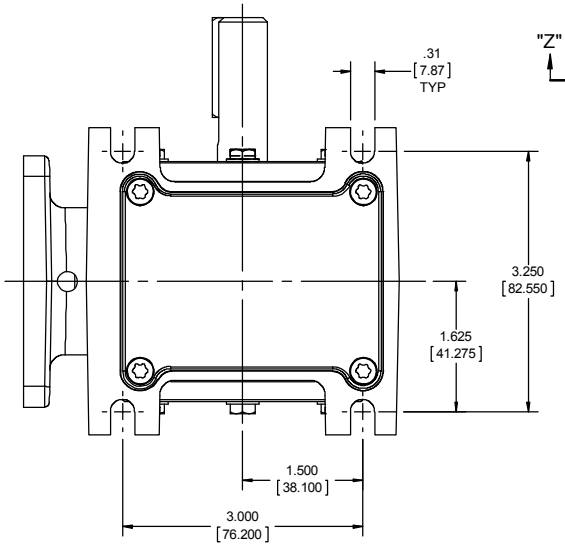
Output HP	**0.13 Hp**	Output KW	**0.10 kW**
Voltage	**90 V**	Speed	**250 rpm**
Service Factor	**1.0**	Frame	**34**
Enclosure	**Totally Enclosed Non Ventilated**	Thermal Protection	**No Protection**
Efficiency	**35.4 %**	Ambient Temperature	**40 °C**
Current	**1.4 A**	Duty	**Continuous**
Insulation Class	**H**	Drive End Bearing Size	**6201**
Opp Drive End Bearing Size	**608**	UL	**Recognized**
CSA	**Y**	CE	**Y**

Technical Specifications

Rotation	**Reversible**	Mounting	**Special**
Shaft Type	**Right Angle**	Overall Length	**10.64 in**
Frame Length	**3.81 in**	Shaft Diameter	**0.625 in**
Shaft Extension	**1.8 in**	Torque	**25 LB-IN**
Connection Drawing	**M100512401**	Outline Drawing	**611-0128-M1135040**







VIEW "Z"-"Z"

CATALOG NUMBER	SPEED RANGE RPM	FULL LOAD TORQUE LB.-IN.	INPUT HP	OVERHUNG LOAD LBS.	GEARMOTOR TYPE & FRAME	RATIO TO 1	"XH"	"XL"
M1135069	42-.7	80	1/8	235	13F60-34C	60	6.14 [155.95]	10.64 [270.25]
M1135038	62-1	70	1/8	235	13F40-34C	40	6.14 [155.95]	10.64 [270.25]
M1135039	125-2.1	45	1/8	235	13F20-34C	20	6.14 [155.95]	10.64 [270.25]
M1135040	250-4	25	1/8	235	13F10-34C	10	6.14 [155.95]	10.64 [270.25]
M1135041	500-8	13	1/8	235	13F05-34C	5	6.14 [155.95]	10.64 [270.25]

DRAWING REVISION	REVISION BY	DATE
A	S SAHOO	1/31/2019
ECO	APPROVED BY	DATE
ECO-0166485		
ECO DESCRIPTION		
OUTLINE CONVERSION PROJECT		

TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125/ INCH 3.2/ mm
mm SHOWN IN [BRACKETS]

DRAWN BY	S SAHOO
DATE	1/31/2019
APPROVED BY	
DATE	
REFERENCE	M1030350
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

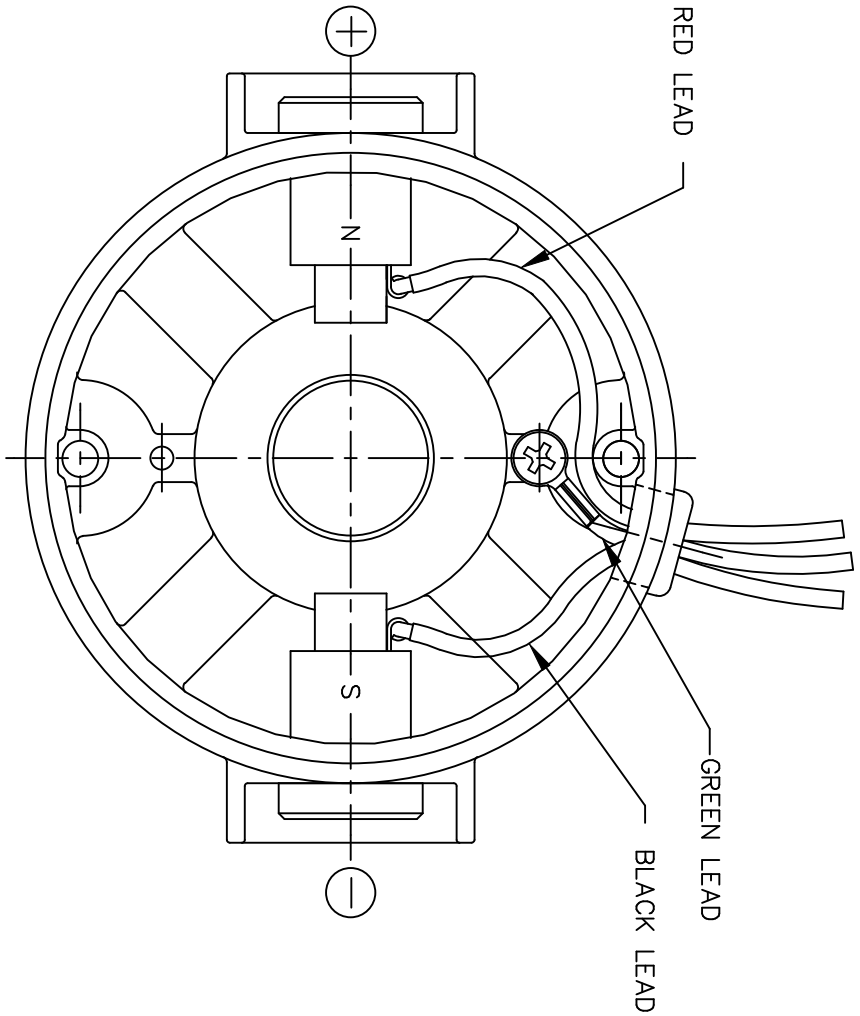
DESCRIPTION
OUTLINE
34 FRAME DC 13 SERIES 90V GEARMOTOR

MATERIAL | PROCESS/FINISH

SIZE C | DRAWING NUMBER 611-0128 | SHEET 1 OF1

M1005124.01

EXTERNAL CONNECTIONS FOR CW ROTATION
VIEWING LEAD END OF MOTOR WITH RED LEAD
POSITIVE AND BLACK LEAD NEGATIVE (–)
FOR CCW ROTATION REVERSE POLARITY



D.C. MOTORS

NO.	REVISION	BY & DATE	CHK
07	CORRECTED "N" & "S", ECR 80000 (PER BC)	VS 8/14/02	BC
06	REMOVED GROUND HOLE	TMZ 3/16/95	
05	REVERSE ROTATION WAS CW	SPV 6/3/94	
04	CHANGED ROTATION FROM CCW TO CW	MJS 3/9/93	
03	REVISED ROTATION NOTE	DWF 1/6/93	
02	ADDED GREEN LEAD	DWF 8/1/92	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE: CONNECTION DIAGRAM

MAT'L.

FINISH

CAD FILE: M100512401

RFP

DIST

DRAWN	SPV 12/10/91
CHK	DWF 5/20/92
APPD	
SCALE	1=1
REF	
FMF	M9131D2N22
PREV	

SIZE	DRAWING NO.	REV.
A	M1005124.01	07

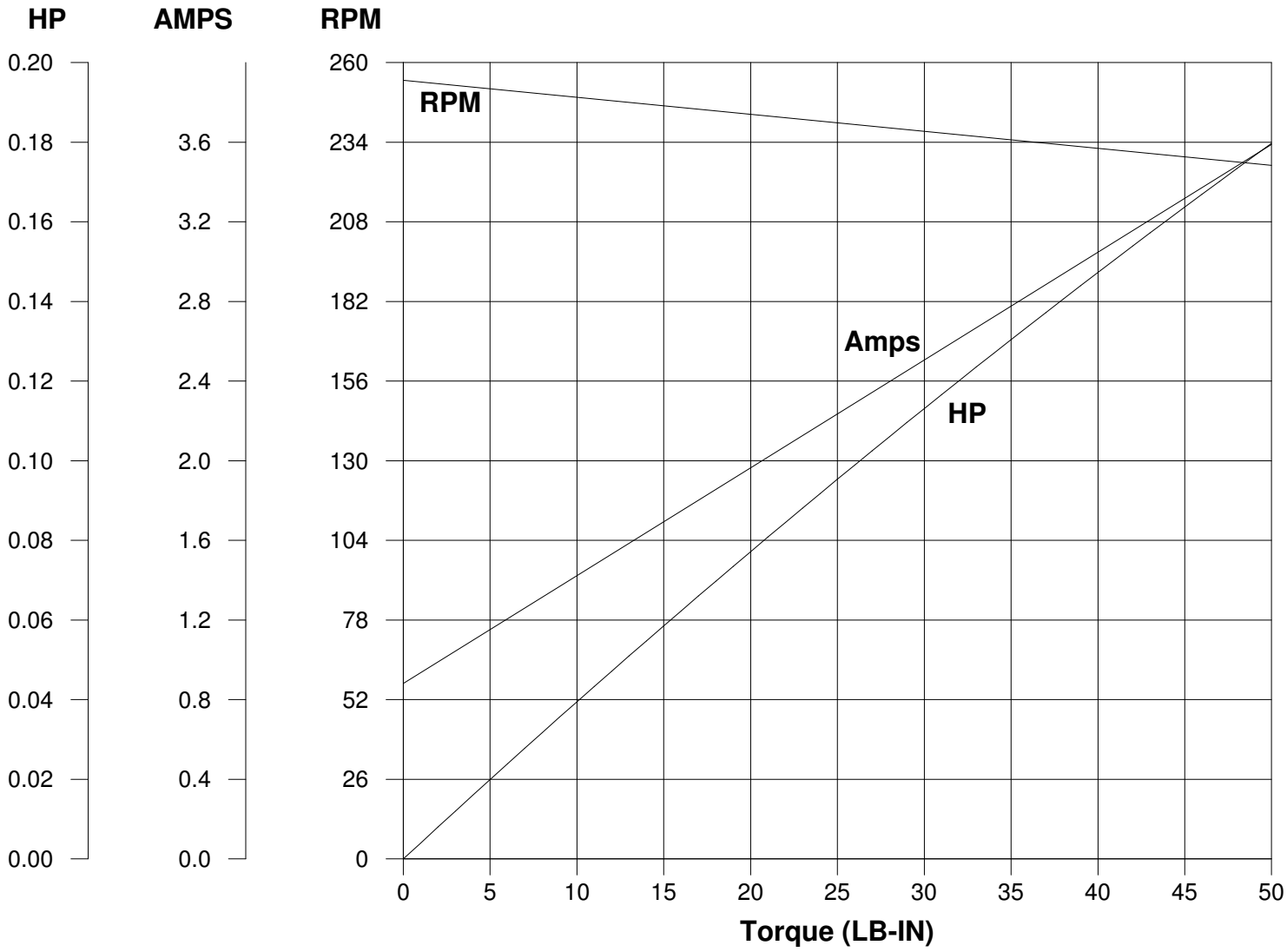
7/20/2007 9:47:51 AM -

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE
FOR
DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. CM34D25NZ8 **Catalog No.** M1135040.00

HP	0.125	**RPM**	250	**DC Volts**	90.0	**N.P. FLA**	1.40
F.F.	1.38	**Encl**	TENV	**Type**	DN	**S.F.**	1.00
Max. Amb.	40.0 Deg C	**Insul.**	H	**Frame**	34	**Duty**	Cont



Ra	4.6000	Ohms	**Kt**	2.839	LB-IN/AMP
La	15.80	mHenrys	**Imax**	21.5	AMPS Allowed
Ja	0.3220	LB-IN^2	**FL Torque**	25.00	LB-IN
Ke	33.58	V/KRPM	**FL EFF**	35.40	%

Winding W- MD342195-1 **Prepared by** V. Boehlen **Date** 11-21-2005

Brush H21