PRODUCT INFORMATION PACKET

Model No: M1135062.00
Catalog No: M1135062.00
0.25 HP DC Gearmotor, 62 RPM, 180 V, 34 Frame, TENV
Other Right Angle DC Gearmotors

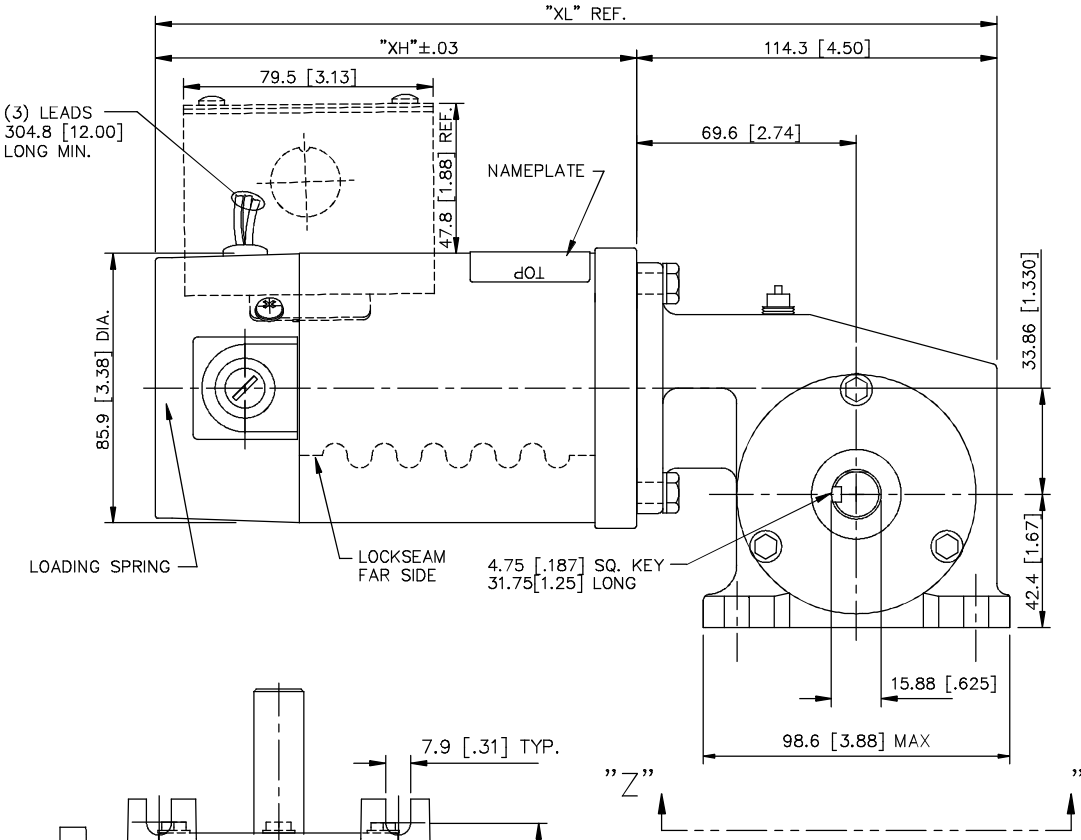
Nameplate Specifications

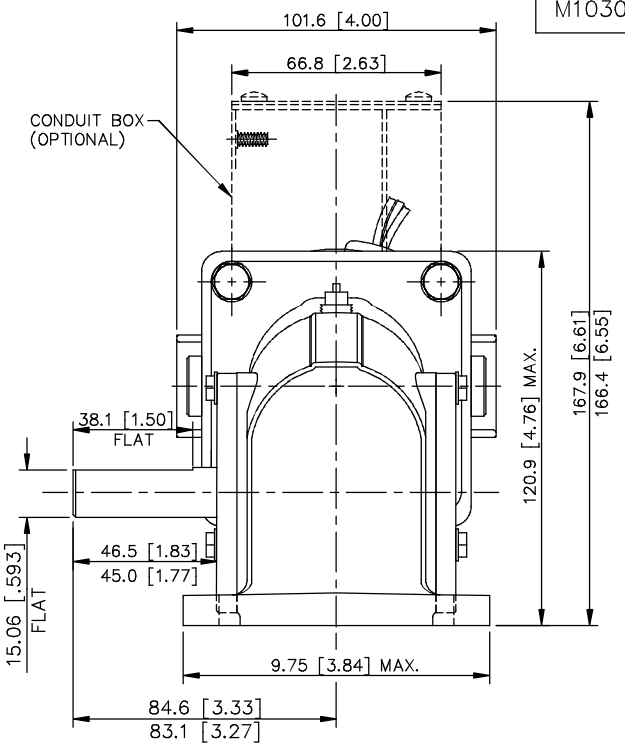
Output HP	**0.25 Hp**	Output KW	**0.19 kW**
Voltage	**180 V**	Current	**1.3 A**
Speed	**62 rpm**	Service Factor	**1**
Efficiency	**30.8 %**	Duty	**Continuous**
Insulation Class	**H**	Frame	**34**
Enclosure	**Totally Enclosed Non Ventilated**	Thermal Protection	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6201**
Opp Drive End Bearing Size	**608**	UL	**Recognized**
CSA	**Y**	CE	**Y**

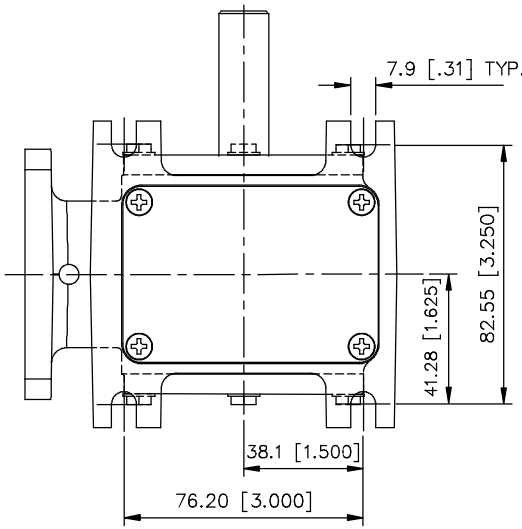
Technical Specifications

Rotation	**Reversible**	Mounting	**Special**
Shaft Type	**Right Angle**	Overall Length	**12.64 in**
Frame Length	**5.81 in**	Shaft Diameter	**0.625 in**
Shaft Extension	**1.8 in**		
Outline Drawing	**M1030443-M1135062**	Connection Drawing	**M100512401**

M1030443.00







VIEW Z – Z

"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"
M1135053.00	42–.7	30	1/12	235	13F60–34A	60	130.6 [5.14]	244.9 [9.64]
M1135054.00	62–1	35	1/12	235	13F40–34A	40	130.6 [5.14]	244.9 [9.64]
M1135055.00	125–2.1	18	1/12	235	13F20–34A	20	130.6 [5.14]	244.9 [9.64]
M1135056.00	250–4	12	1/12	235	13F20–34A	10	130.6 [5.14]	244.9 [9.64]
M1135057.00	500–8	7	1/12	235	13F20–34A	5	130.6 [5.14]	244.9 [9.64]
M1135058.00	62–1	70	1/8	235	13F40–34C	40	156.0 [6.14]	270.3 [10.64]
M1135059.00	125–2.1	45	1/8	235	13F20–34C	20	156.0 [6.14]	270.3 [10.64]
M1135060.00	250–4	25	1/8	235	13F10–34C	10	156.0 [6.14]	270.3 [10.64]
M1135061.00	500–8	13	1/8	235	13F05–34C	5	156.0 [6.14]	270.3 [10.64]
M1135062.00	62–1	135	1/4	235	13F40–34G	40	206.8 [8.14]	321.1 [12.64]
M1135063.00	83–1.4	125	1/4	235	13F30–34G	30	206.8 [8.14]	321.1 [12.64]
M1135064.00	125–2.1	90	1/4	235	13F20–34G	20	206.8 [8.14]	321.1 [12.64]
M1135065.00	250–4	50	1/4	235	13F10–34G	10	206.8 [8.14]	321.1 [12.64]
M1135066.00	500–8	30	1/4	235	13F05–34G	5	206.8 [8.14]	321.1 [12.64]

NO.	REVISION	BY & DATE	CHK
07	CHANGED TO DIE CAST GEARBOX PER ECN 06–3023.	RPB 7/11/06	BC
06	CORRECTED VIEW "Z–Z" PER OTHER TWO VIEWS	BPW 03/14/02	SAD
	PER ECR 73469		
05	CORRECTTED LENGTH OF KEY: 1.25 WAS 1.00	IPG 11/15/00	
04	DIM 1.50 WAS 1.25	SAD 05/04/98	
03	1.83/1.77 WAS 1.53/1.47, 3.33/3.27 WAS	SAD 05/04/98	

TOLERANCES UNLESS SPECIFIED

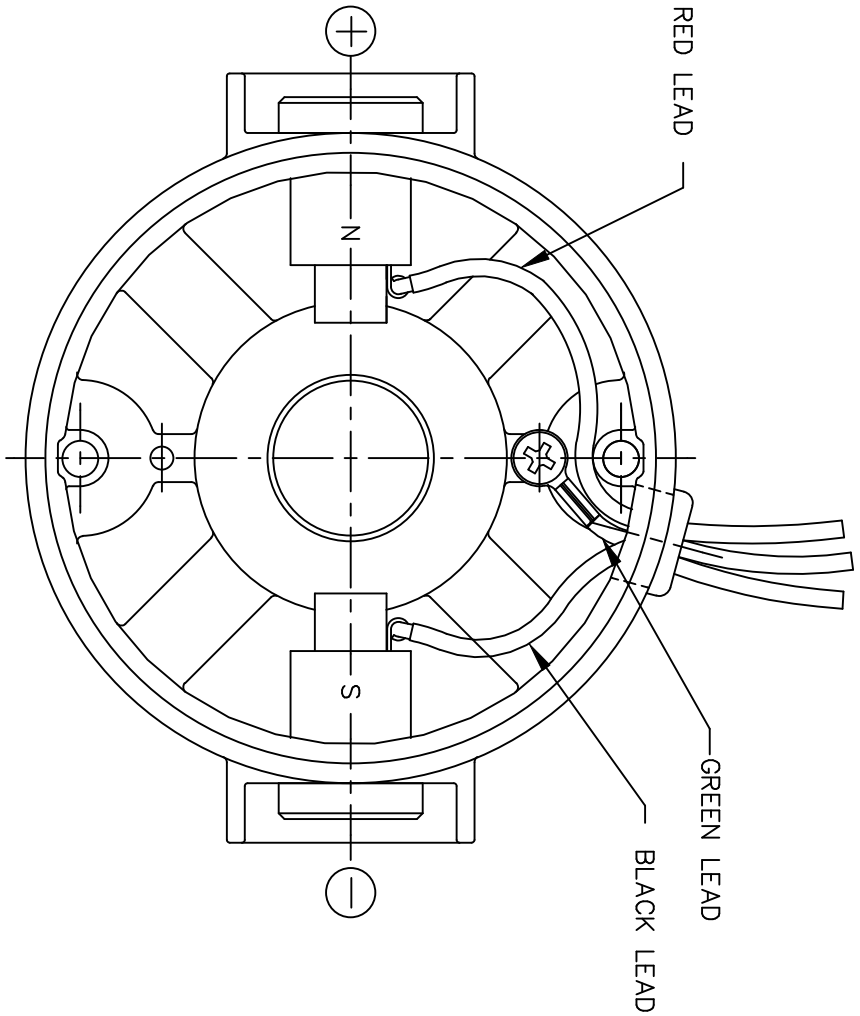
ANG	DEC.	INCHES
	.X	±.1
	.XX	±.03
	.XXX	±.005
±1/2°	.XXXX	±.0005

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

DRAWN	SPV 05/11/95
CHK	
APPD	DWF 05/11/95
TITLE	OUTLINE 34 FRAME DC 13 SERIES 180 V. GEARBOX
SCALE	5=8
REF	M1030350
MAT'L.	
FMF	M1135053.00
FINISH	LEESON
PREV	
RFP	
CAD FILE	M1030443
DIST	
SIZE	B
DRAWING NO.	M1030443.00
REV.	07

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

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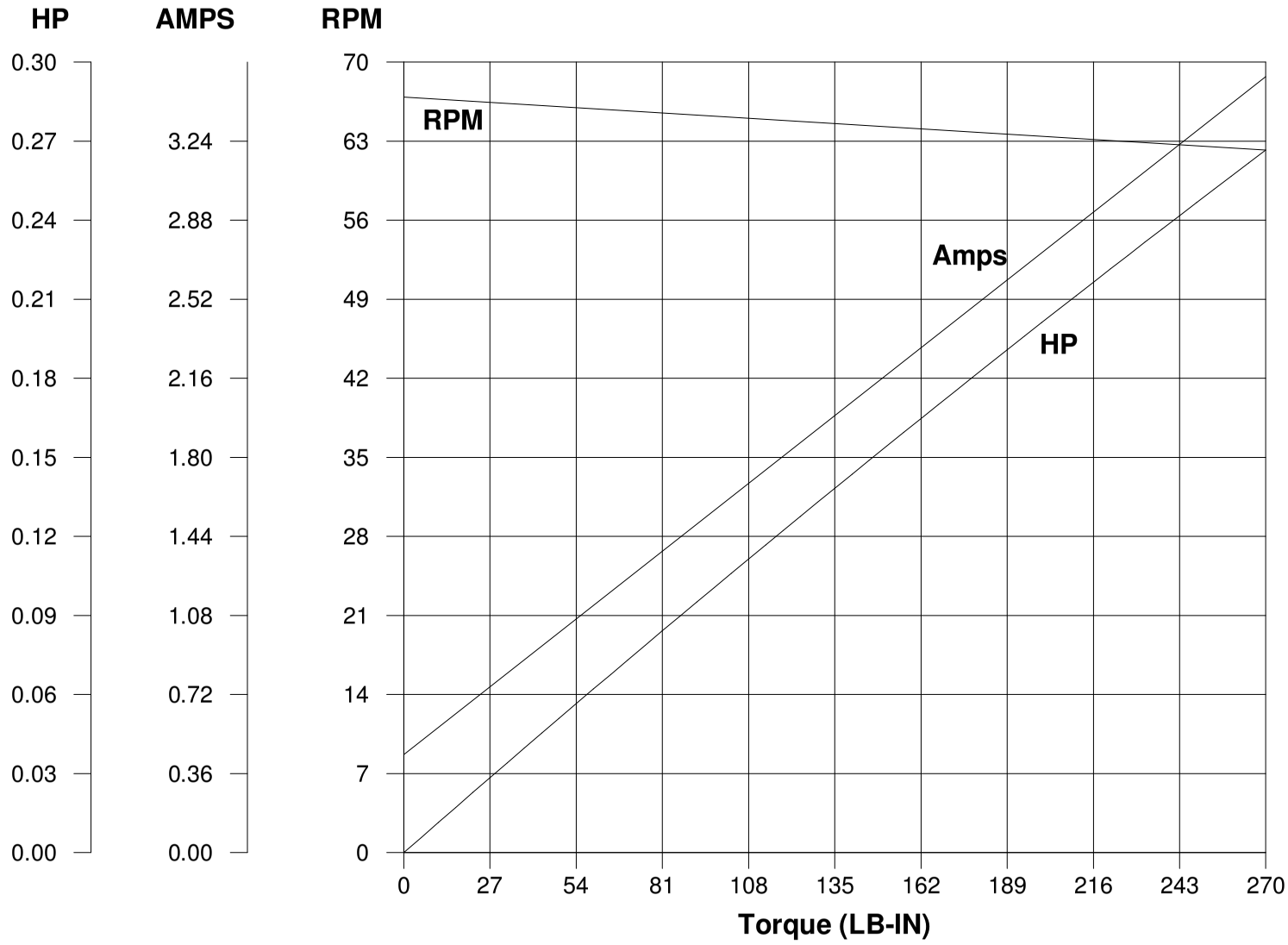
LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE
FOR
DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. CM34D25NZ33 **Catalog No.** M1135062.00

HP	0.250	**RPM**	62	**DC Volts**	180.0	**N.P. FLA**	1.30
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	8.5400	Ohms	**Kt**	5.555	LB-IN/AMP
La	37.03	mHenrys	**Imax**	20.0	AMPS Allowed
Ja	0.6440	LB-IN^2	**FL Torque**	135.0	LB-IN
Ke	65.72	V/KRPM	**FL EFF**	30.80	%

Winding W- MD342218-1 **Prepared by** V. Boehlen **Date** 11-30-2005

Brush H651