PRODUCT INFORMATION PACKET

Model No: M1135063.00
Catalog No: M1135063.00
Right Angle Gearmotor, 0.25 HP, 180 V, 83 RPM, 34 Frame, TENV

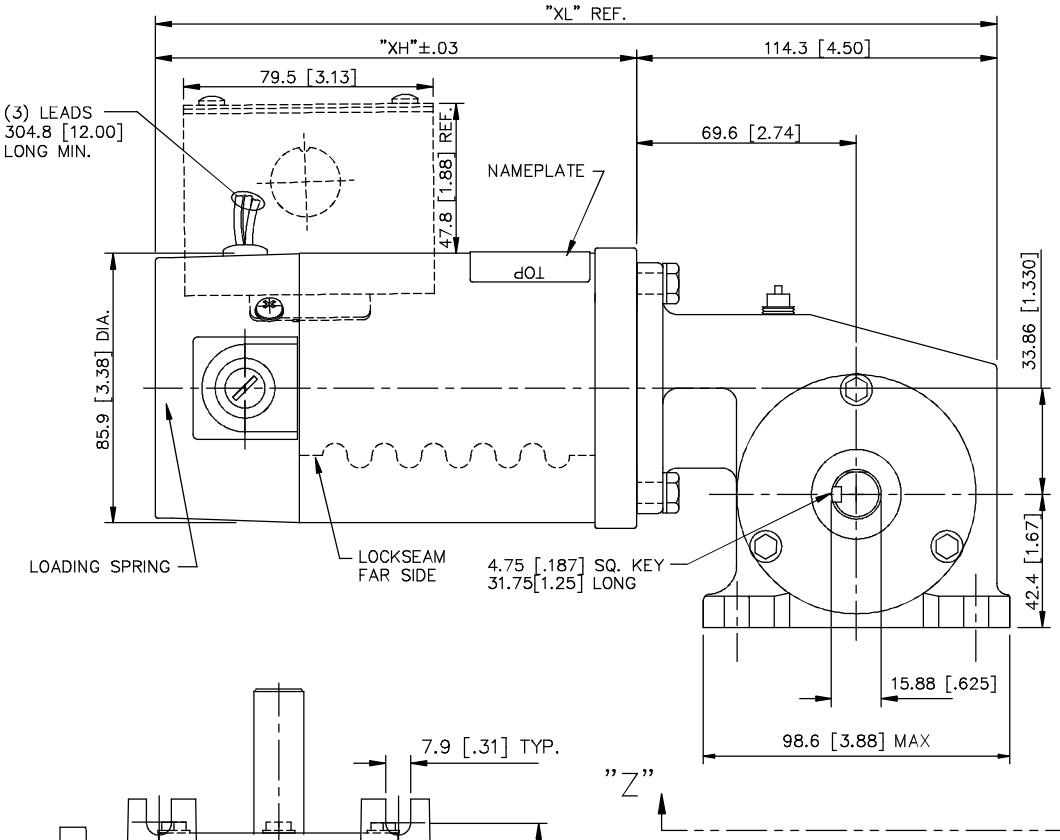
Nameplate Specifications

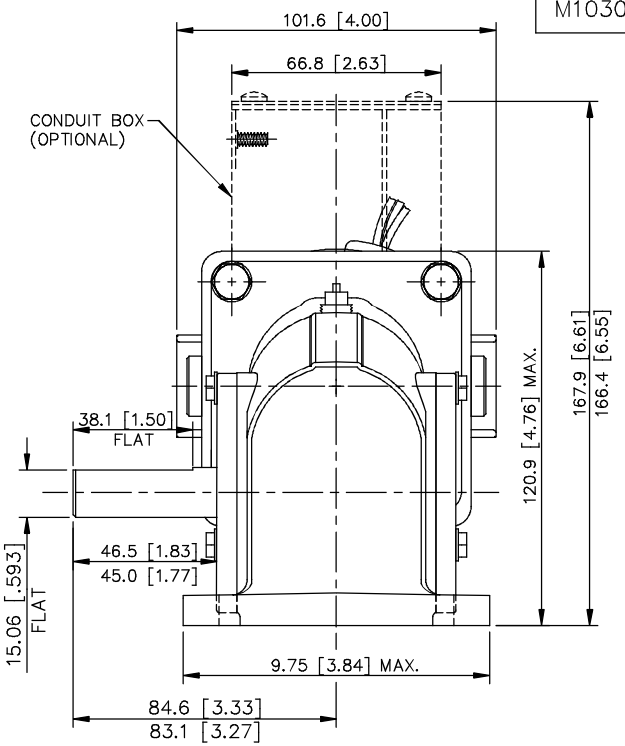
Output HP	**0.25 Hp**	Output KW	**0.19 kW**
Voltage	**180 V**	Speed	**83 rpm**
Service Factor	**1.0**	Frame	**34**
Enclosure	**Totally Enclosed Non Ventilated**	Thermal Protection	**No Protection**
Efficiency	**34.5 %**	Ambient Temperature	**40 °C**
Current	**1.3 A**	Duty	**Continuous**
Insulation Class	**H**	Drive End Bearing Size	**6201**
Opp Drive End Bearing Size	**608**	UL	**Recognized**
CSA	**Y**	CE	**Y**

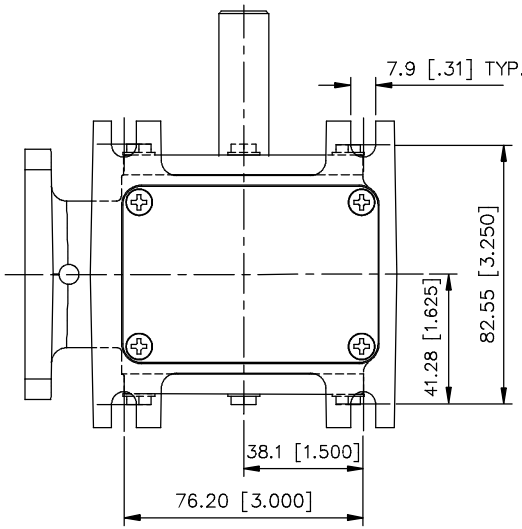
Technical Specifications

Rotation	**Reversible**	Mounting	**Special**
Shaft Type	**Right Angle**	Overall Length	**12.64 in**
Frame Length	**5.81 in**	Shaft Diameter	**0.625 in**
Shaft Extension	**1.8 in**	Torque	**125 LB-IN**
Outline Drawing	**M1030443-M1135063**	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
	.XXXX	±.0005
±1/2°		

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE: OUTLINE 34 FRAME DC 13 SERIES 180 V. GEARBOX

MAT'L.

FINISH: LEESON

CAD FILE: M1030443

RFP

DIST

DRAWN	SPV 05/11/95
CHK	
APPD	DWF 05/11/95
SCALE	5=8
REF	M1030350
FMF	M1135053.00
PREV	

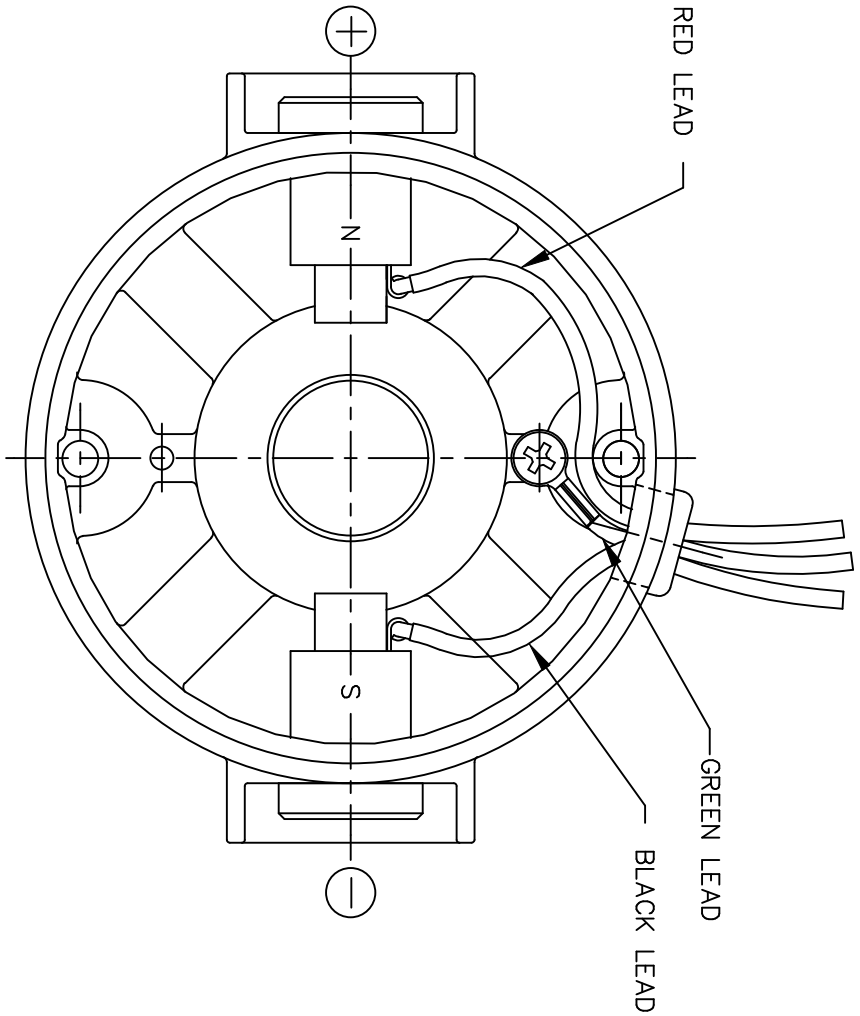
SIZE: B

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: A

DRAWING NO.: M1005124.01

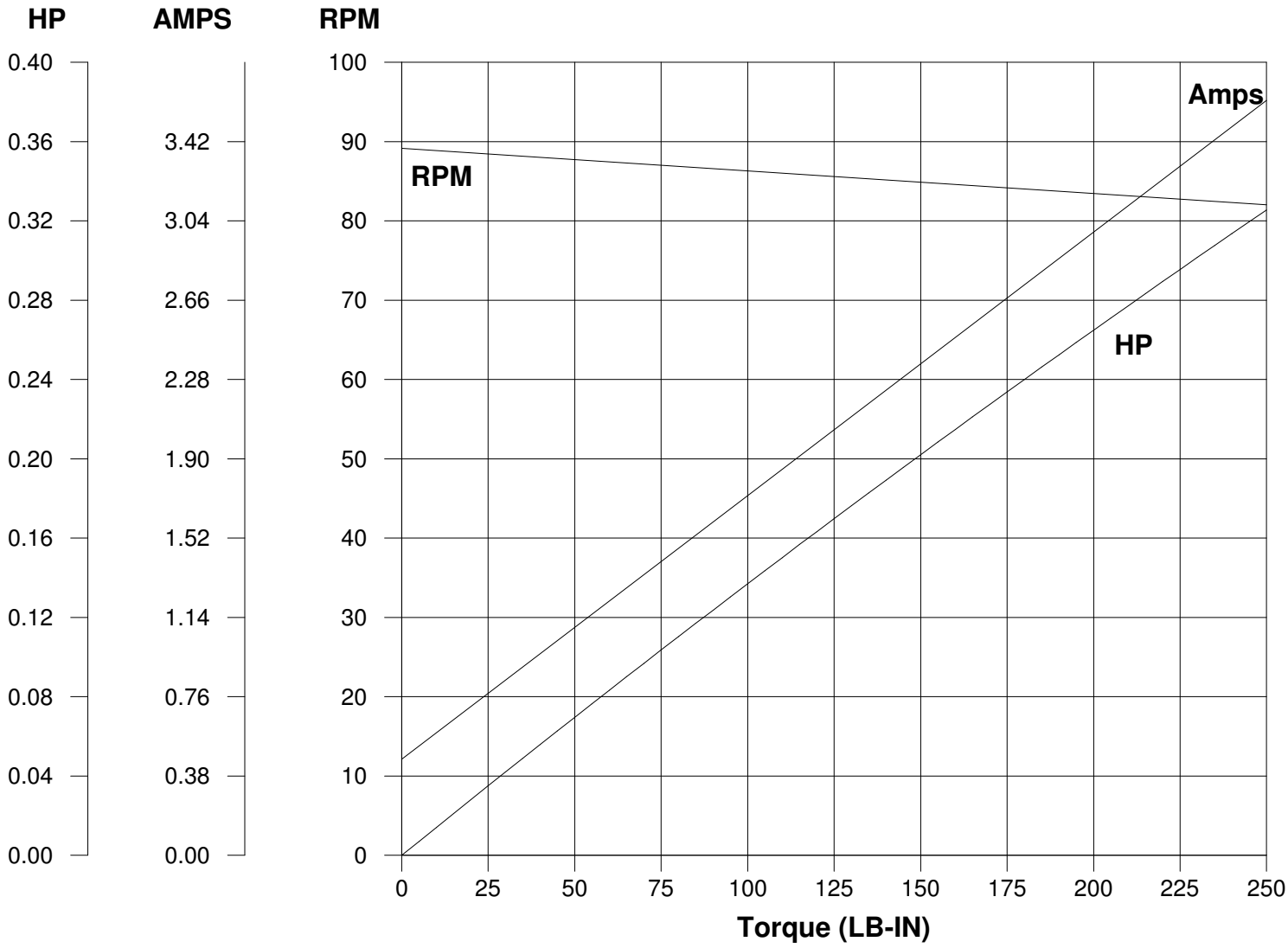
REV.: 07

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

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE
FOR
DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No.	CM34D25NZ34			**Catalog No.**	M1135063.00		
HP	0.250	**RPM**	83	**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**	125.0	LB-IN
Ke	65.72	V/KRPM	**FL EFF**	34.50	%

Winding W- MD342218-2 **Prepared by** V. Boehlen **Date** 12-01-2005

Brush H651