PRODUCT INFORMATION PACKET

Model No: CM31D18NZ10F
Catalog No: M1120027.00
1/8HP.1750RPM.31.TENV.90V.CONT.40C.1.3SF.SQ. FLANGE.DC SUB-FHP.CM31D18NZ10F
Sub-Fractional



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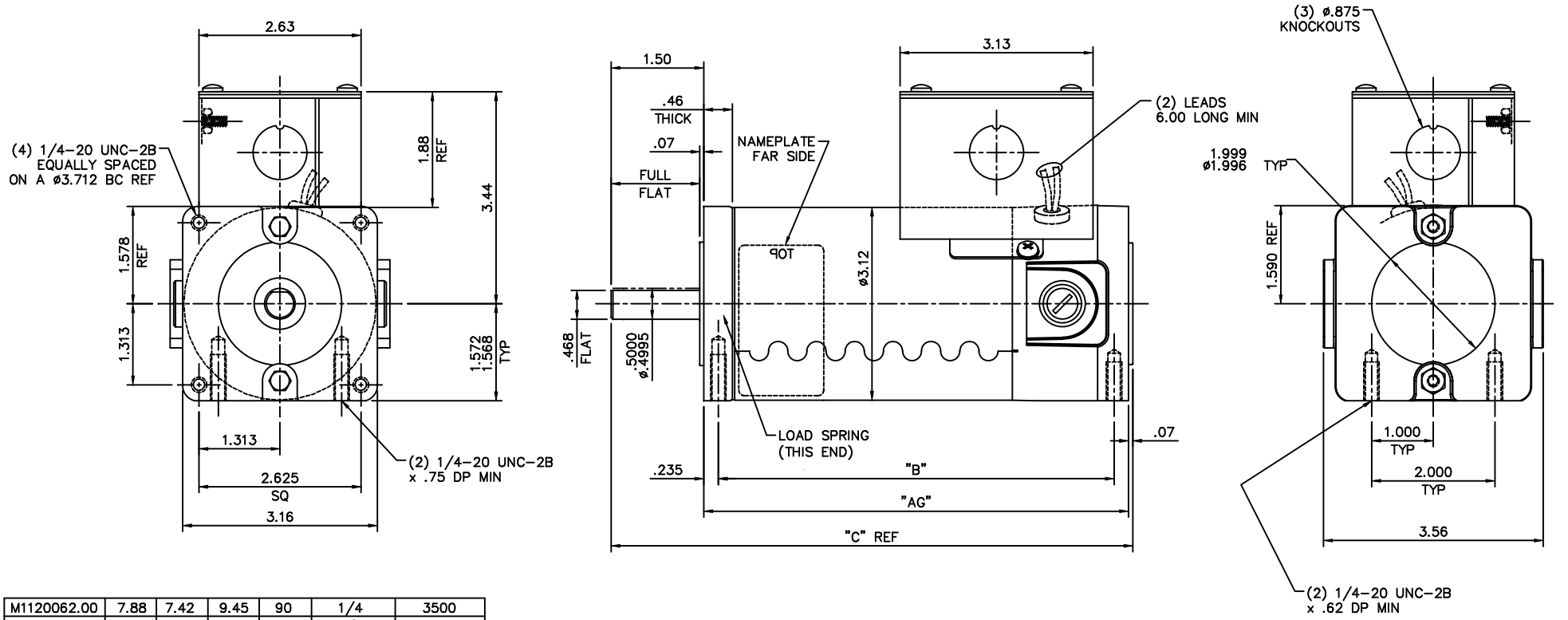
Nameplate Specifications

Output HP	**0.13 Hp**	Output KW	**0.10 kW**
Voltage	**90 V**	Current	**1.3 A**
Speed	**1750 rpm**	Service Factor	**1.3**
Efficiency	**73 %**	Duty	**Continuous**
Insulation Class	**H**	Frame	**31**
Enclosure	**Totally Enclosed Non Ventilated**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6201-13**
Opp Drive End Bearing Size	**6201-13**	UL	**Recognized**
CSA	**Y**	CE	**Y**

Technical Specifications

Rotation	**Reversible**	Mounting	**Round**
Overall Length	**8.45 in**	Frame Length	**4.50 in**
Shaft Diameter	**0.500 in**	Shaft Extension	**1.5 in**
Outline Drawing	**M1031034-M1120027**	Connection Diagram	**M1005321**

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CATALOG NO.	"AG" DIM	"B" DIM	"C" DIM	VOLT	H.P.	RPM
M1120062.00	7.88	7.42	9.45	90	1/4	3500
M1120060.00	5.38	4.92	6.95	90	1/10	3500
M1120059.00	5.88	5.42	7.45	90	1/8	3500
M1120058.00	6.88	6.42	8.45	90	1/6	3500
M1120045.00	6.88	6.42	8.45	180	1/8	1750
M1120043.00	7.88	7.42	9.45	180	1/6	1750
M1120042.00	7.88	7.42	9.45	90	1/6	1750
M1120041.00	6.38	5.92	7.95	180	1/10	1750
M1120040.00	4.88	4.42	6.45	12/24	1/14–1/7	1750/4200
M1120039.00	5.38	4.92	6.95	180	1/15	1750
M1120027.00	6.88	6.42	8.45	90	1/8	1750
M1120014.00	5.88	5.42	7.45	90	1/10	1750
M1120013.00	5.38	4.92	6.95	90	1/15	1750

NOTES:
1) END CAP MOUNTING FEET TO BE PARALLEL TO EACH OTHER WITHIN .002

NO.	REVISION	BY & DATE	CHK
14	ADDED M1120060.00 TO TABLE, ECN 07–1640	IPG 5/18/07	SAD
13	ADDED M1120059.00 TO TABLE, ECN 07–1638	IPG 5/18/07	SAD
12	CAT. M1120040.00: "AG" WAS 5.38, "B" WAS 4.92, "C" WAS 6.95, ECN 07–1635	IPG 5/18/07	SAD
11	ADDED M1120058.00 TO TABLE, ECN 07–1637	IPG 5/17/07	SAD
10	ADDED M1120027.00 TO TABLE, ECN 07–1633	IPG 5/16/07	SAD

TOLERANCES UNLESS SPECIFIED: DEC. INCHES; .X ±.1; .XX ±.03; .XXX ±.005; .XXXX ±.0005; ANG ±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE: OUTLINE 31 FRAME DC

MAT'L.

FINISH

CAD FILE M1031034

RFP

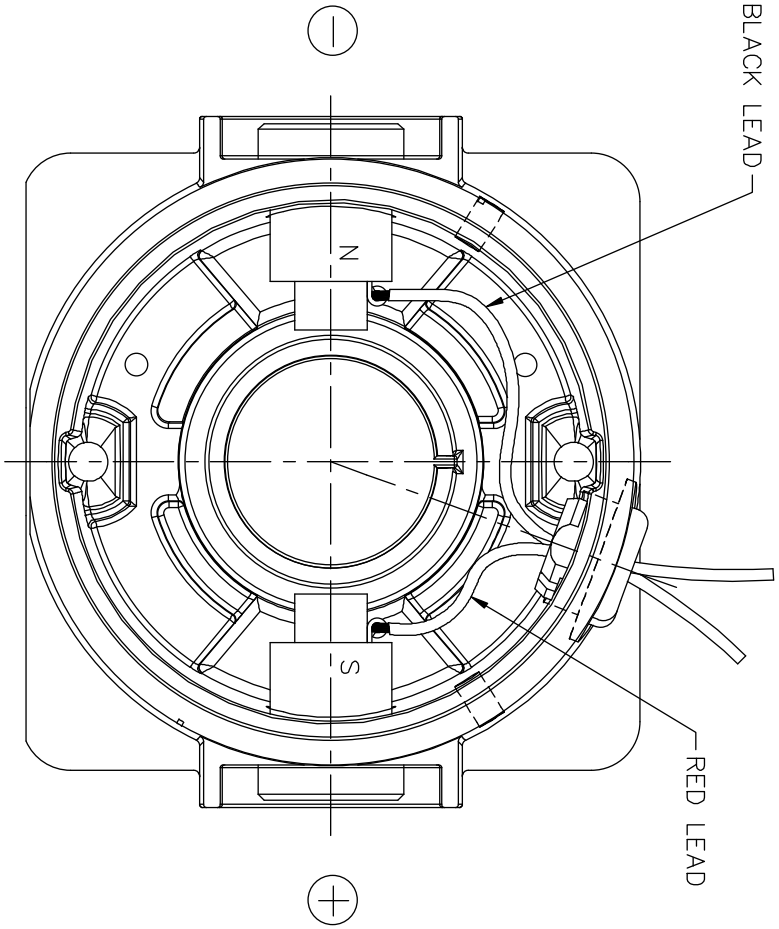
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FMF	M1120014.00
PREV	

SIZE B | DRAWING NO. M1031034.00 | REV. 14

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M1005321.01



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



D.C. MOTORS

				TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN	IPG 11/6/06
				DEC.	INCHES		CHK	SAD 11/6/06
				.X	±.1		APPD	
				.XX	±.01	TITLE CONNECTION DIAGRAM	SCALE	1=1
				.XXX	±.005		REF	M1005036.01
00	RELEASED PER 31 TT FR CONSOLIDATION, ECN 06−4430	IPG 11/6/06	SAD	.XXXX	±.0005	MAT'L.	FMF	M1120014.00
NO.	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH	PREV	

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