

PRODUCT INFORMATION PACKET



Model No: M1115018.00
Catalog No: M1115018.00
Right Angle Gearmotor, 0.06 HP, 90 V, 42 RPM, 25 Frame, TENV



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Nameplate Specifications

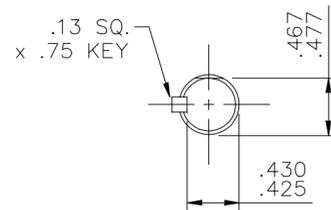
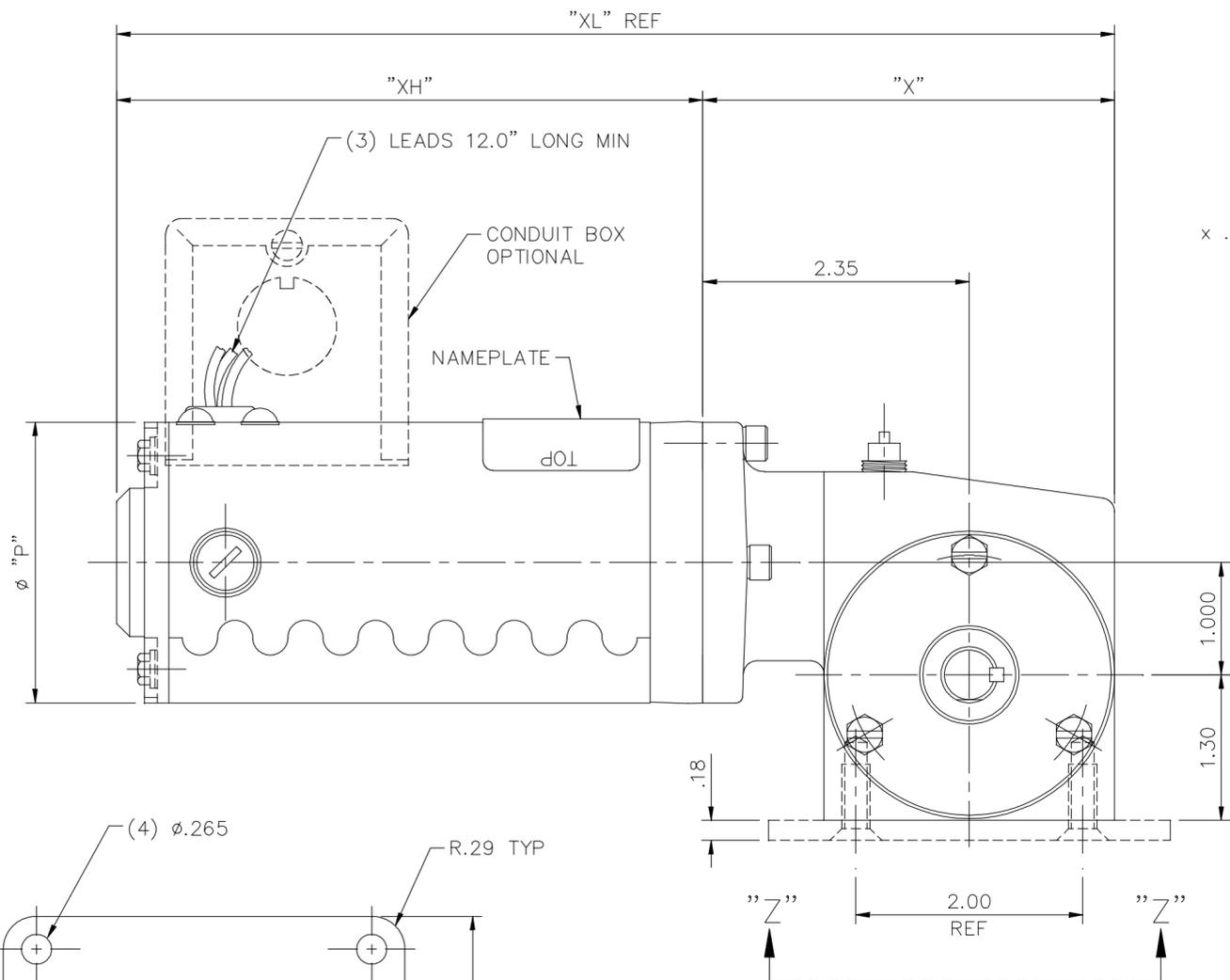
Output HP	0.06 Hp	Output KW	0.04 kW
Voltage	90 V	Speed	42 rpm
Service Factor	1.0	Frame	25
Enclosure	Totally Enclosed Non Ventilating	Thermal Protection	No Protection
Efficiency	18.2 %	Ambient Temperature	40 °C
Current	0.90 A	Duty	Continuous
Insulation Class	H	Drive End Bearing Size	608
Opp Drive End Bearing Size	608	UL	Recognized
CSA	Y	CE	Y

Technical Specifications

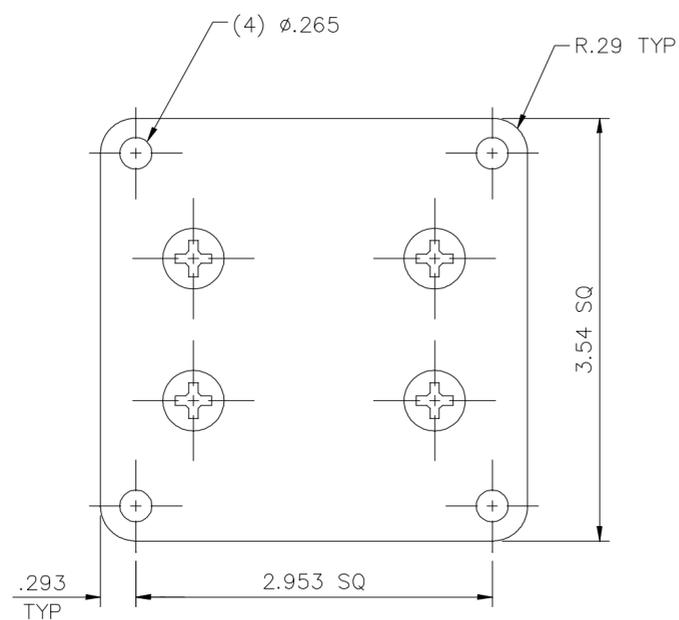
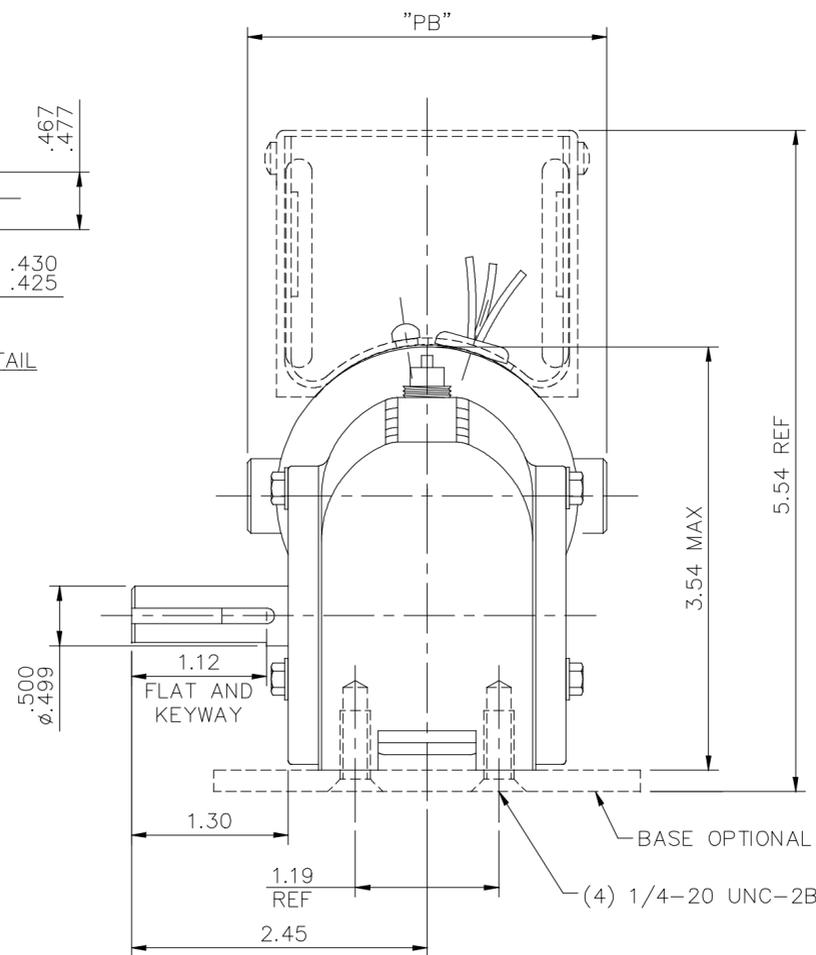
Rotation	Reversible	Mounting	Special
Shaft Type	Right Angle	Overall Length	8.80 in
Frame Length	4.25 in	Shaft Diameter	0.500 in
Shaft Extension	1.3 in	Torque	22 LB-IN
Connection Drawing	M100526001	Outline Drawing	M1030885-M1115018

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M1030885



SHAFT DETAIL



VIEW Z-Z
(OPTIONAL BASE)

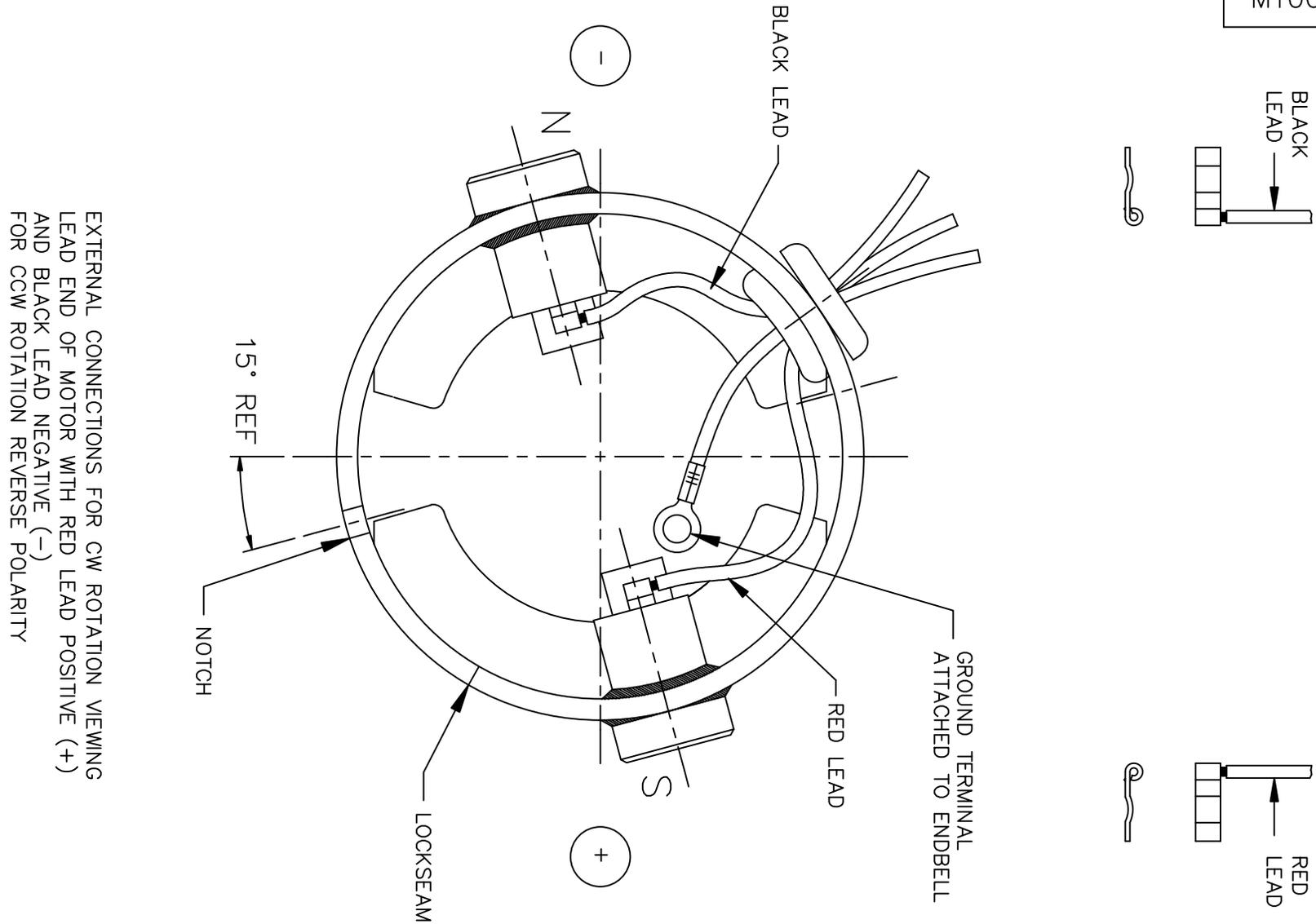
CATALOG NUMBER	SPEED RANGE RPM	FULL LOAD TORQUE LB.-IN.	INPUT HP	OVERHUNG LOAD LBS.	RATIO TO 1	"P"	"PB"	"X"	"XH"	"XL"
M1115018.00	42-.7	22	1/17	185	60	2.50	2.98	3.63	5.17	8.80
M1115019.00	62-1	19	1/17	185	40	2.50	2.98	3.63	5.17	8.80
M1115020.00	125-2.1	16	1/17	185	20	2.50	2.98	3.63	5.17	8.80
M1115021.00	250-4	10	1/17	185	10	2.50	2.98	3.63	5.17	8.80
M1115022.00	500-8	5.2	1/17	185	5	2.50	2.98	3.63	5.17	8.80

ORACLE
REV
003

		TOLERANCES UNLESS SPECIFIED		LEESON		ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN IPG 7/1/03	
		DEC.	INCHES					CHK	SAD 7/1/03
F	ADDED 2.45" DIMENSION, ECO-0170148	IPG	7/8/19	.X	±.1	TITLE		APPD	
03	.03 TOL. ADDED TO LETTER COLUMNS, ECR 88023	VS	6/15/05	BC	.XX	OUTLINE		SCALE	3=4
02	GEAR BOX WAS M1550166.XXX/ECO 05-1201 EFF.7/5/05	RPB	5/18/05	BC	.XXX	25 FRAME DC - RIGHT ANGLE GEARBOX		REF	PR020634.01
01	FIXED OUTPUT SHAFT VIEW, ECR 82288	IPG	3/22/04	SAD	.XXX	MAT'L. 10 SERIES - 90V		FMF	M1115019.00
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH		PREV	
			RFP			CAD FILE	M1030885	SIZE	DRAWING NO.
			DIST					B	M1030885
									REV. F

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D.C. MOTORS



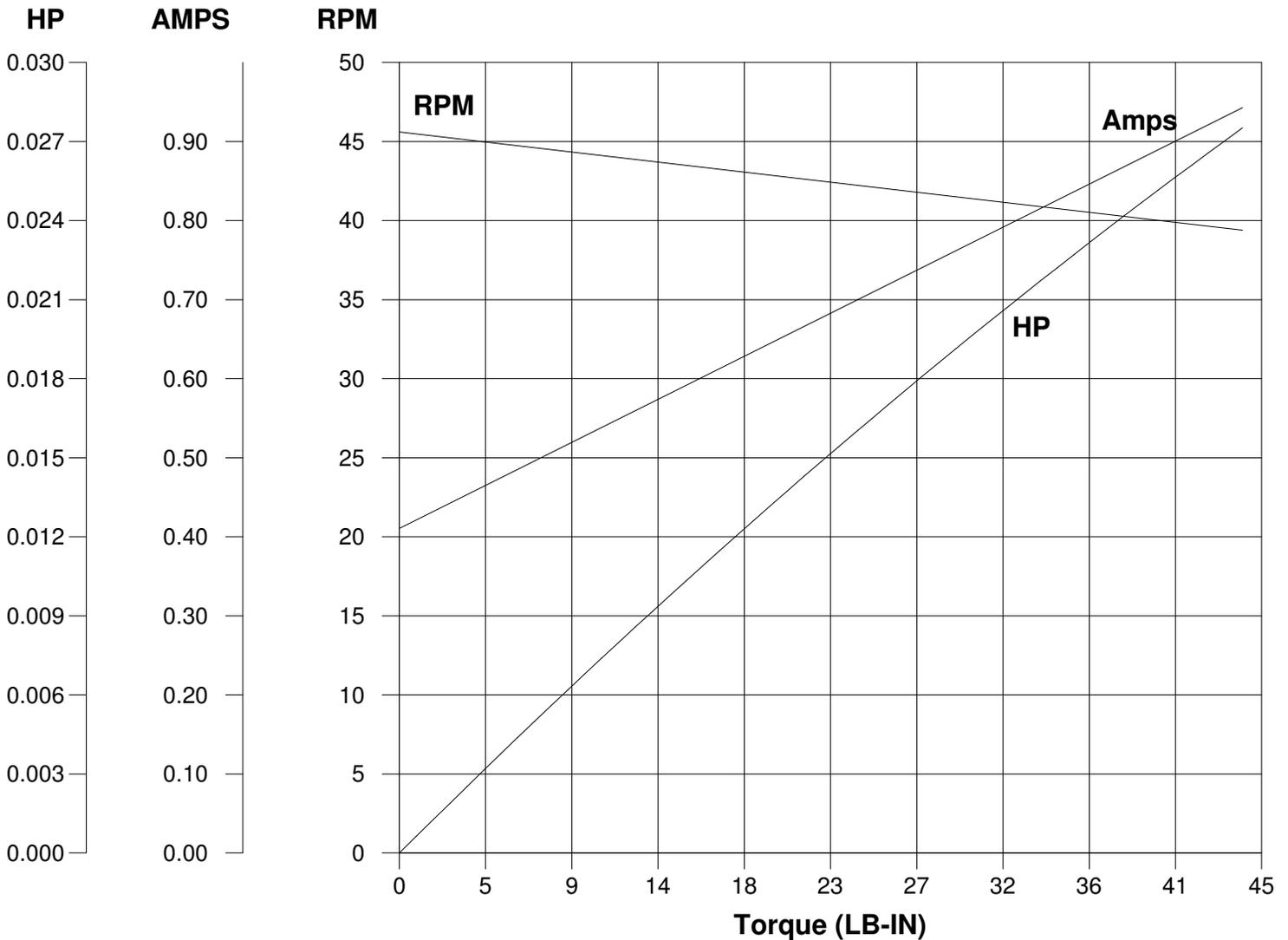
EXTERNAL CONNECTIONS FOR CW ROTATION VIEWING
 LEAD END OF MOTOR WITH RED LEAD POSITIVE (+)
 AND BLACK LEAD NEGATIVE (-)
 FOR CCW ROTATION REVERSE POLARITY

05	SWITCH LEADS TO MATCH ROTATION, ISAAC 10-1990	IPG 5/17/2010	SK	TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN IPG 6/4/03	
04	SWITCH "N" AND "S" TO MATCH FRAME/MAGNET ASSY	IPG 4/26/2010	SK	DEC.	INCHES		CHK SAD 6/4/03	
	DRAWING, ISAAC 10-1709			.X	±.1		APPD	
03	ADDED "TRU-TORQ" TO THE TITLE BLOCK AND ORACLE	IPG 3/2/2004	SAD	.XX	±.03	TITLE CONNECTION DIAGRAM	SCALE 1=1	
	DESCRIPTION, ECR 83990			.XXX	±.005		REF PR020634.01	
02	SWITCHED N & S PER ECR 83629	BPW 12/19/03	SAD	.XXXX	±.0005	MAT'L.	FMF M1115050.00	
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	PREV	
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			DIST					

LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE FOR DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. <u>985.504</u>	Catalog No. <u>M1115018.00</u>	
HP <u>0.059</u>	RPM <u>42</u>	DC Volts <u>90.0</u>
F.F. <u>1.38</u>	Encl <u>TENV</u>	N.P. FLA <u>0.90</u>
Max. Amb. <u>40.0 Deg C</u>	Insul. <u>H</u>	Type <u>DN</u>
	Frame <u>25</u>	S.F. <u>1.00</u>
		Duty <u>Cont</u>



Ra 14.000 Ohms
La 31.69 mHenrys
Ja 0.0759 LB-IN²
Ke 29.72 V/KRPM

Kt 2.512 LB-IN/AMP
Imax 11.2 AMPS Allowed
FL Torque 22.00 LB-IN
FL EFF 18.20 %

Winding W- MD2526-1 **Prepared by** V. Boehlen **Date** 11-08-2005