

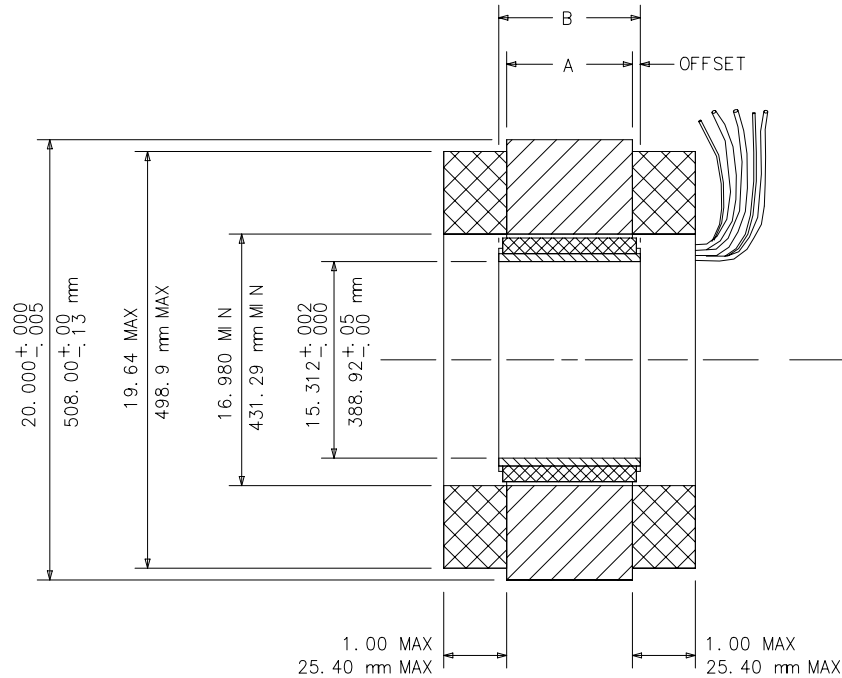
MODEL NUMBER	STACK LENGTH "A"		ROTOR LENGTH "B"	
	in $\pm .025$ - .010	mm ± 0.64 - 0.25	in $\pm .005$ - .000	mm ± 0.13 - 0.00
B51-13	0.500	12.70	0.505	12.83
B51-25	1.000	25.40	1.010	25.65
B51-38	1.500	38.10	1.515	38.48
B51-51	2.000	50.80	2.020	51.31
B51-64	2.500	63.50	2.525	64.14
B51-76	3.000	76.20	3.030	76.96
B51-89	3.500	88.90	3.535	89.79
B51-102	4.000	101.60	4.040	102.62
B51-114	4.500	114.30	4.545	115.44
B51-127	5.000	127.00	5.050	128.27
B51-140	5.500	139.70	5.555	141.10
B51-152	6.000	152.40	6.060	153.92
B51-165	6.500	165.10	6.565	166.75
B51-178	7.000	177.80	7.070	179.58
B51-191	7.500	190.50	7.575	192.41
B51-203	8.000	203.20	8.080	205.23
B51-216	8.500	215.90	8.585	218.06
B51-229	9.000	228.60	9.090	230.89
B51-241	9.500	241.30	9.595	243.71
B51-254	10.000	254.00	10.100	256.54
B51-267	10.500	266.70	10.605	269.37
B51-279	11.000	279.40	11.110	282.19
B51-292	11.500	292.10	11.615	295.02
B51-305	12.000	304.80	12.120	307.85

OFFSET SHOULD EQUAL (B-A)/2 ± 0.025 in
 ROTOR SHOULD BE MOUNTED CONCENTRIC TO WITHIN 0.004 WITH RESPECT TO STATOR OD

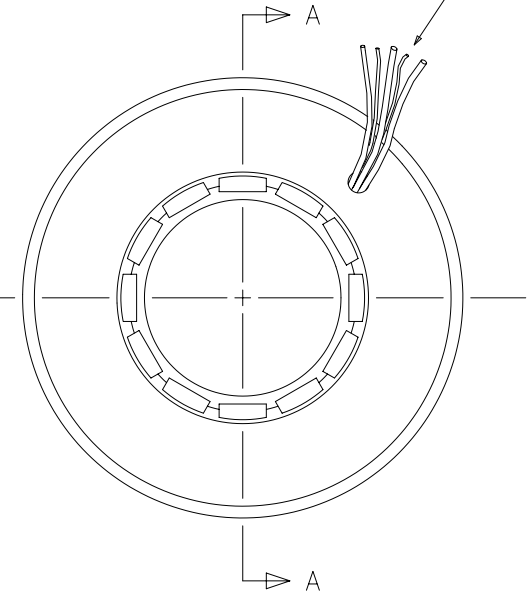
MOTOR DIMENSIONS SHOWN APPLY ONLY IN A MACHINING OR TEST FIXTURE AND NOT IN THE FREE OR UNRESTRAINED STATE

DETAILS OF MOTOR SHOWN ARE GENERIC ACTUAL MOTOR MAY DIFFER IN APPEARANCE

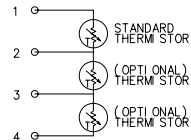
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REDRAWN TO NEW STANDARD	9-17-91	NH
C	REQ #129 CORRECT mm TOLERANCE	12-22-92	NH
D	ADDED NEW CHART AND NOTES		



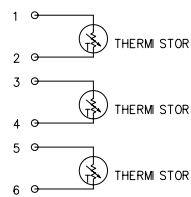
LEAD LENGTH 16 in MIN
 MOTOR WIRE GAUGE
 DETERMINED BY WINDING



ONE THERMISTOR IS STANDARD

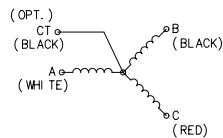


OPTIONAL 3 THERMISTOR CONFIG.

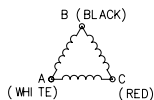


ALL Wires BLACK 22 AWG

WYE CONFIGURATION



DELTA CONFIGURATION



CONSULT FACTORY FOR SI X-LEAD CONFIGURATION

MOTOR ROTATION WILL BE IN THE CLOCKWISE DIRECTION AS VIEWED FROM THE LEAD SIDE WHEN ENERGIZED IN THE SEQUENCE WHITE-BLACK-RED

SECTION AA

LEAD SIDE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

FRACTIONS $\pm 1/64$ DECIMALS $.XX = \pm 0.01$ ANGLES $\pm 1^\circ$
 $.XXX = \pm 0.005$

MATERIAL
 FINISH
 DO NOT SCALE DRAWING

MOTION CONTROL SYSTEMS, INC.
 Dublin, Virginia 24084

FRAMELESS MOTOR PHYSICAL SPECIFICATION
 B51-XXX-38 VARNISHED WINDINGS
 (15.312 ID)

SIZE B	SCALE NONE	DWG NO. 2012024	REV. D
CHKD. DATE:	DWG DATE: TD 9-17-91	SHEET	1 OF 1