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LAH13-18-000A O NO. 0305 INITIAL RELEASE

		I	1					LITR FCO NO	I DE
	Winding Constants *			Symbol				Elix Edd Ho.	
		Units	101	Symbol	vvug z			X1 090305	INITIAL RELEASE
	DC Resistance	Ohms	<u>+</u> 12.5%	R	17.1				
	Voltage @ F _P	Volts	Nominal	V _P	27.2	П		20	
	Current @ F _P	Amps	Nominal	lp	1.59		2	.30	
D	Force Sensitivity	LB/Amp	<u>+</u> 10%	K _F	0.70		ω ²	.20	
		N/Amp	<u>+</u> 10%		3.79		l l l l l l l l l l l l l l l l l l l		
	Back EMF Constant	V/(II/Sec)	<u>+</u> 10%	K _B	9.79			.10	
	Inductance ****	milli-Henny	<u>+</u> 10%	1	2.8			.00	
		Initial Contry	<u>+</u> 1376	L.	2.0	Y	L P		
	Linear Actuator Parameters *	Units	Symbol	Value				.90	
	Peak Force **	LB	- F _P	3.5				70	
	Continuos Stall Force ***	LB	E.,	1.14				.70	
		N	I CS	5.07				.60	
	Actuator Constant	LD/√Watt	KA	0.53		\sim		.50	
	Electrical Time Constant	nv √watt	<i>T</i> -	2.50				40	
	Mechanical Time Constant	milli-sec	7 E	2.84					
		ft/sec ²	Ύ M	3212.6			1	.30	
	Theoretical Acceleration	m/sec ²	α _T	979.2				-0.125 -0.1 -0.075	-0.05 -0.025
	Max Theoretical Frequency @ Full Stroke and	1		01012					
	Sinusoidal / Triangular Motion	Hz	f _{max}	88.4/98.2					
	Power I ² R @ F _P	Watts	P _P	43.3					
CI	Otaclas	<u>+</u> in		0.125					
\sim	Stroke:	<u>+</u> mm	1	3.18					
	Olasman an Each side of Osil	in		0.015					
	Clearance on Each side of Coll	mm		0.38					
	Thermal Resistance of Coil in still air	°C/Watt	Θ _{TH}	18.7					
	Maximum Allowable Coil Winding Temp	°C	Temp	155					
	Weight of Coil Assembly	LB	WTc	0.035					
		y I B		0.27					
	Total Weight	a	WTT	122.5			^		
В									(@ MID-STROKE) [3.00] Ø.118
			()		OVER	2X VOICE COIL LEADS: #28 AWG TEFLON TYPE E 12.0" MIN LONG EACH RED, BLK 01.200 ENCLOSURE		2X 6 ↓.220	L -32 UNC - 2B ⊽ .24 D MAX THD PENET
A	 MECHINAL OVERTRAVEL IN TH A POSITIVE (+) VOLTAGE APPI A FORCE ON THE COIL ASSEM 2. INTERPRET DRAWING IAW Y14. 1. INTERPRET DIMENSIONING AND NOTES: UNLESS OTHERWISE SPEC 	HE POSITIVE (+) LIED TO THE RE ABLY (SHAFT) IN .100. D TOLERANCIN IFIED) direction is Ed lead will F N The positive NG IAW ASME	.025 MINIMUN PRODUCE (+) DIRECTION Y14.5M-1994.	A.	2X VOICE COIL LEADS: #28 AWG TEFLON TYPE E 12.0" MIN LONG EACH RED, BLK 01.200 ENCLOSURE Proprietary rights of BEI Kimco are involved in the subject matter of this material and all manufacturing, reproduction, use, and sales pertaining to such subject matter are expressly reserved. This confidential and proprietary document is submitted for a specified purose, and the recipient by accepting this material avid and reported this material will not be used , copied, or reproduced in whole or in part nor its contents revealed in any manner or to any person except to meet the purpose for which it was delivered.	THIRD ANGLE PROJECTION THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED: -ALL DIMENSIONS ARE IN INCHES -BREAK SHARP EDGES.015 MAX -SURFACE ROUGHNESS & 3 ✓ -DIMENSIONS APPLY AFTER FINISH -MAX FILLET R.010 -DIAMETERS SHALL NOT EXCEED A RUNOUT OF .005 FIM TOLERANCES: DECIMALS ANGULAR X ±.03 ±0°30° .XX ±.01 .XXX ±.01 .XXX ±.01 .XXX ±.05 DO NOT SCALE DRAWING	2X 6 ₹ 2X 6 ¥.220 2X 6 ¥.220 DRAWN GUERRERO CHECK MCGHEE APPD GODKIN FILE NO. L\TOP L\LAH\	22 UNC - 2B ↓ .24 0 MAX THD PENETI KIMCO VISTA 01/14/10 01/14/10 SIZE SCALE:
A	 MECHINAL OVERTRAVEL IN TH A POSITIVE (+) VOLTAGE APPI A FORCE ON THE COIL ASSEN 2. INTERPRET DRAWING IAW Y14. 1. INTERPRET DIMENSIONING AND NOTES: UNLESS OTHERWISE SPEC 	HE POSITIVE (+) LIED TO THE RE ABLY (SHAFT) IN .100. D TOLERANCIM IFIED) DIRECTION IS ED LEAD WILL F N THE POSITIVE	.025 MINIMUN PRODUCE (+) DIRECTION Y14.5M-1994.	A.	2X VOICE COIL LEADS: #28 AWG TEFLON TYPE E 12.0" MIN LONG EACH RED, BLK 01.200 ENCLOSURE Proprietary rights of BEI Kimco are involved in the subject matter of this material and all manufacturing, reproduction, use, and sales pertaining to such subject matter are expressly reserved. This confidential and proprietary document is submitted for a specified purose, and the recipient by accepting this material agrees that this material will not be used, copied, or reproduced in whole or in part nor its contents revealed in any manner or to any person except to meet the purpose for which it was delivered.	THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED: -ALL DIMENSIONS ARE IN INCHES -BREAK SHARP EDGES.015 MAX -SURFACE ROUGHNESS 63 ✓ -DIMENSIONS APPLY AFTER FINISH -MAX FILLET R.010 DIMETERS SHALL NOT EXCEED A RUNOUT OF .005 FIM DECIMALS ANGULAR .X ±.03 ±0*30' .XX ±.01 .XXX ±.01 .XXX ±.005 DO NOT SCALE DRAWING	2X 6 ↓ 2X 6 ↓ 220 ↓ 2X 6 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 220 ↓ 20	22 UNC - 2B ↓ .24 0 MAX THD PENET KIMC(VISTA) 01/14/10 01/14/10 SIZE C SCALE:

