



STANDARD FEATURES

MOTOR: HR-1 - STD FORCE 3.5 N
 OPTIONAL: DUAL ST MOTOR - STD FORCE 2.5 N
 (CONSULT FACTORY FOR HIGHER FORCE)

TRAVEL: ± 5 DEG
 SPEED: 120 DEG/SEC
 ENCODER RESOLUTION: 0.013 ARC-SEC TO 13 ARC-SEC
 0.013 ARC-SEC USING 4096 INTERPOLATION
 (CONTROLLER DEPENDENT)
 SYSTEM REPEATABILITY: +/- 2 ENCODER COUNT
 (CONTROLLER DEPENDENT)
 HOME SENSOR: STANDARD
 BEARINGS: PRECISION ARCHED CROSS ROLLER
 BEARING DYNAMIC LOAD RATING: 1.1kN
 SYSTEM LOAD CAPACITY: APPLICATION DEPENDENT
 PLEASE CONSULT THE FACTORY
 ENCLOSURES: ALUMINUM 6061-T6
 STAINLESS STEEL OPTIONAL
 ENVIRONMENT: STANDARD, CLEAN ROOM, VACUUM
 10e-7 TORR, AND VACUUM 10e-10 TORR
 (CONSULT FACTORY)
 TEMPERATURE: 0 to 100 DEG C
 HUMIDITY: 10% to 80% NON-CONDENSING
 ASSEMBLY MASS: 0.23 kg

ACCESSORIES

MOTOR AMPLIFIER

OPTIONAL EQUIPMENT

MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

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AI-HR1-GONI-077

DRAWN	NBROWN	6/8/2006
CHECKED		
Tolerances:		Surface Roughness:
x.x ± .04 in		√ RMS MAX.
x.xx ± .01 in		
x.xxx ± .005 in		
MATERIAL		
FINISH	SEE NOTES	

TITLE		
AI-HR1-GONI-077		
SIZE	DWG NO	REV
B	0010-00774	002
SCALE	ALIO STD TEMPLATE - REV 005	SHEET 1 OF 1

**NOTE: HR1 MODEL PICTURED
 (ST MODEL AVAILABLE)**
 ST MODEL LENGTH DIFFERENCE SHOWN ABOVE