



STANDARD FEATURES

MOTORS: DUAL HR-8
STD FORCE 64 N
(CONSULT FACTORY FOR HIGHER FORCE)

TRAVEL: 400mm
SPEED: 250mm/sec

ENCODER RESOLUTION: ANALOG 1 VOLT, PEAK TO PEAK
OPTIONAL: 5um, 1um, 0.5um, 0.1um, 0.05um, 0.02um, 0.01um or 5nm USING 4096 INTERPOLATION
(CONTROLLER DEPENDENT)

SYSTEM REPEATABILITY: +/- 1 ENCODER COUNT
(CONTROLLER DEPENDENT)

HOME SENSOR: STANDARD

BEARINGS: PRECISION CROSS ROLLER
< 5.0um PARALLELISM

BEARING DYNAMIC LOAD RATING: 40kN

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: 18.5 kg

ACCESSORIES
MOTOR AMPLIFIER

OPTIONAL EQUIPMENT
MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

11919 W I-70 FRONTAGE ROAD NORTH, UNIT 119, WHEAT RIDGE, CO 80033 USA
(Tel) 303.339.7500 - SALES@ALIOINDUSTRIES.COM - WWW.ALIOINDUSTRIES.COM

DRAWN NBROWN		12/13/2005			
CHECKED					
Tolerances: x.x ± .04 in x.xx ± .02 in x.xxx ± .005 in				Surface Roughness: RMS MAX.	
MATERIAL				SIZE B	DWG NO 0010-00625
FINISH SEE NOTES				SCALE	REV 001
				ALIO STD TEMPLATE - REV 005	SHEET 1 OF 1