



MOTOR	TRAVEL	FORCE	LENGTH	WIDTH	HEIGHT	A	B	C	D	E
VC	6	24N	165	96	98	55	84	14.3	55	30
VC	24	11N	165	96	98	55	84	14.3	55	30
LM	50	15N	165	96	136	82	104	39.6	80.25	40

\* All units millimeters unless otherwise noted. Force units are Newtons.

\* Motor type is voice coil (VC) or linear brushless motor (LM) designator in model number.

\* All hole patterns centered on M5 dowel pin hole at center of stage (if not otherwise indicated).

ALIO INDUSTRIES PROPRIETARY INFORMATION  
(Tel) 303.339.7500 - SALES@ALIOINDUSTRIES.COM - WWW.ALIOINDUSTRIES.COM



TITLE

**AI-(MOTOR)-(TRAVEL)00-(FORCE)-Z-CB**

SIZE DWG NO

B 0010-08004

REV 002

SCALE

FINISH SEE NOTES

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NOTE: MODEL AI-VC-2400-11N-Z-CB SHOWN.

**STANDARD FEATURES**

<b>Stage</b>	Z Stage
<b>Travel</b>	24mm to 50mm
<b>Motor</b>	Voice Coil or Ironless Core Linear Motor
<b>Feedback</b>	Non-Contact Optical Encoder
<b>Scale</b>	Gold Tape Scale Optional: Near Zero CTE ZeroMet
<b>Resolution</b>	1Vp-p Analog Output (5nm with 4096 Interpolation) Digital Output Options: 5um, 1um, 0.5um, 0.2um, 100nm, 50nm, 20nm**, 10nm**, and 5nm** (* ** Reduced Speeds Apply)
<b>Sensors</b>	Integrated Home and End of Travel Limits
<b>Bearings</b>	High Precision Crossed Roller Bearings
<b>Counterbalance</b>	Frictionless Pneumatic Cylinder
<b>Cables</b>	High Flex, 10M Cycle, 3m Length
<b>Structure</b>	Anodized Aluminum 6061-T6 Optional: Stainless Steel
<b>Environment</b>	Standard Optional: Clean Room and Vacuum (10-6 Torr)
<b>Temperature</b>	0°C to 50°C
<b>Humidity</b>	10% to 80% Non-Condensing
<b>Precision</b>	6-D Nano Precision™ Test Methods

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B

A

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ALIO STD TEMPLATE - REV 006

SHEET

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OF

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