

Model Number
2129E025

LOW-FREQUENCY LONG STROKE SHAKER

Revision: A
ECN #:

PERFORMANCE

Continuous Sine Force	lbf pk (N pk)	10 (44.5)
Natural Air Cooling	in (cm)	10.0 (25)
Max. Displacement pk-pk	Hz	DC-500
Frequency Range	ips pk (m/s pk)	100(1.6)
Maximum Velocity		
Acceleration		
No load	g pk (m/s ²)	2 (19.6)
1 kg load	g pk (m/s ²)	1.4 (13.7)
2 kg load	g pk (m/s ²)	0.5 (4.9)
Max payload	lb (kg)	4.4 (2)

OPTICAL ENCODER REFERENCE

Scale Tape Pitch	µm	20
Measurement Resolution	nm	10
Scale Linearity	µm/m	+/-3
Scale Thermal Sensitivity	ppm/K	10
Positional Quadrature Output	V pk-pk	1

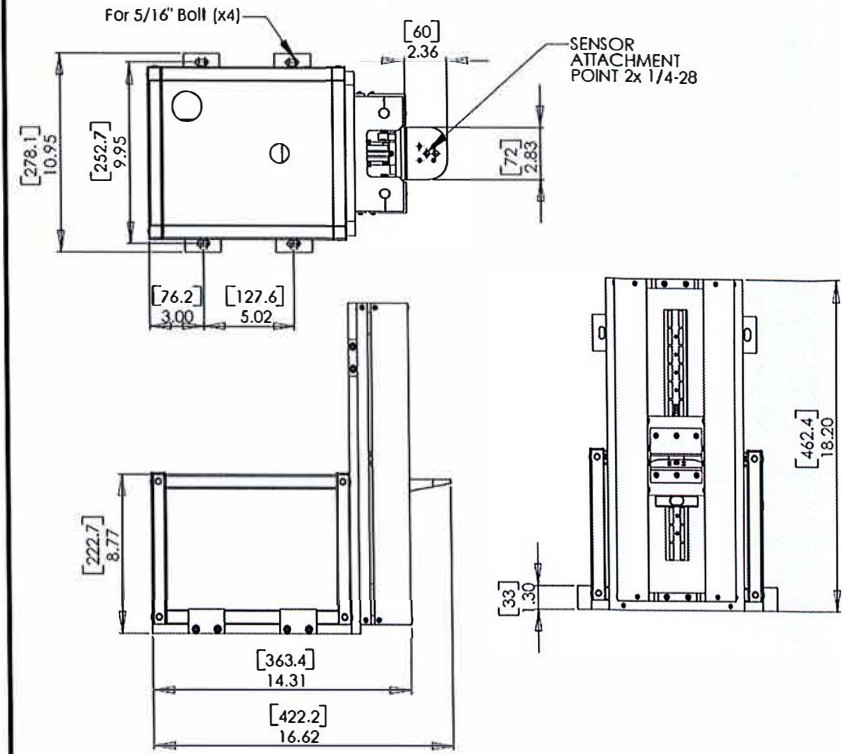
PHYSICAL

Armature Weight	lb (kg)	3.96 (1.8)
Shaker Weight	lb (kg)	62 (28)
Air Supply Specifications		
Pressure	psi (kPa)	60-120 (414-827)
Air Consumption (flow)	SCFM (NLPM)	0.4 (12.4) Typical
ISO 8573.1 Recommended Quality Class		3
Max Particle Size	Micron	5
Max Water Pressure Dewpoint	°F (ppm vol.)	-4 (128)
Max Oil (Including Vapor)	mg/m ³ (ppm _{ww})	1 (0.8)
Dimensions		
Horizontal Operation	in (mm) HxWxD	8.9x29.2x11 (225x742x278)
Vertical Operation	in (mm) HxWxD	18.2x16.6x11 (462x422x278)

ELECTRICAL

Input Voltage	V	100-240
Input Frequency	Hz	48-62
Peak Power Input	VA	3000

All specifications are at room temperature unless otherwise specified.



Note: Outline drawing shown in vertical configuration
Shaker must be bolted to a sturdy mass

RELATED EQUIPMENT

9155D-779 Low-Frequency Long Stroke Calibration System

NOTES:

- Larger sensors may require custom mounting brackets
- User-supplied filtration required

SUPPLIED ACCESSORIES:

- Qty 1 C-13 Power Cable
- Ethernet Cable
- Spare Fuses
- Air Hose
- Tubing

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In the interest of constant product improvement, specifications may change without notice.

Project Engineer: <i>[Signature]</i>	Product Manager: <i>[Signature]</i>	Mkt Team Leader: <i>[Signature]</i>	Spec Number: PS-0080
Date: 9/18/14	Date: 9/18/14	Date: 9/19/14	

THE MODAL SHOP
AN MTS COMPANY

10310 Aerohub Boulevard
Cincinnati, OH 45215 USA

800-860-4867 Fax (513) 458-52172
513-351-9919

info@modalshop.com
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