

L1024M-PA115 SYSTEM DATASHEET

Air-cooled system ideally suited to testing small sized electronic parts, connectors, hand-held units and small mechanical assemblies.

- Continuous displacement 51 mm (2.0 in)
- Useable frequency range 5 - 3400 Hz
- Max static payload 200 kg (441 lb)
- Air-cooled amplifier efficiency > 90%
- Rugged isolated trunnion

SYSTEM PERFORMANCE	METRIC	IMPERIAL
Sine Force Peak kN (lbf)	9.80	2,203
Random Force rms kN (lbf)	9.80	2,203
Shock Force (6ms) kN (lbf)	19.60	4,406
Useful Frequency Range Hz	5 - 3400	5 - 3400
Continuous Displacement mm (in)	51	2.0
Shock Displacement mm (in)	51	2.0
Max Velocity m/s (in/s)	2	78.7
Max Acceleration Sine Peak m/s ² (g)	980	100

L1024M SHAKER	METRIC	IMPERIAL
Armature Diameter mm (in)	240	9.4
Armature Material	Mg	Mg
Effective Armature Mass kg (lb)	10	22
Armature Insert Pattern PCD mm (in) plus 1 in center	8-100/8-200	8-4/8-8
Armature Insert Threads	M10	3/8-16UNC
First Resonant Frequency (bare table) ±5% Hz	2600	2600
Max Static Payload kg (lb)	200	441
Natural Frequency Thrust Axis Hz	< 5	< 5
Stray Flux Density gauss	< 10	< 10
Shaker Weight Uncrated kg (lb)	1,150	2,535
Dimensions Uncrated (W x D x H) mm (in)	900 x 890 x 856	35.4 x 35.0 x 33.7

PA115 POWER AMPLIFIER	METRIC	IMPERIAL
Number of Sub-modules Supplied	3	3
Rated Power Output kVA	15	15
Rated Output Voltage V rms	90	90
Rated Output Current A rms	140	140
Number of Cabinets	1	1
System Required Power kVA	20	20
Amplifier Weight Uncrated kg (lb)	290	639
Dimensions Uncrated (W x D x H) mm (in)	580 x 850 x 1840	22.8 x 33.5 x 72.4

BU-2 BLOWER	METRIC	IMPERIAL
Standard Air Hose Length m (ft)	5	16.4
Hose Diameter mm (in)	125	4.9
Blower Unit Weight Uncrated kg (lb)	120	265
Dimensions (W x D x H) mm (in)	600 x 710 x 1120	23.6 x 28.0 x 44.1

SLIP TABLES

Mono-base slip tables in a wide-range of sizes and configurations for maximum over-turning moment and cross-axial restraint

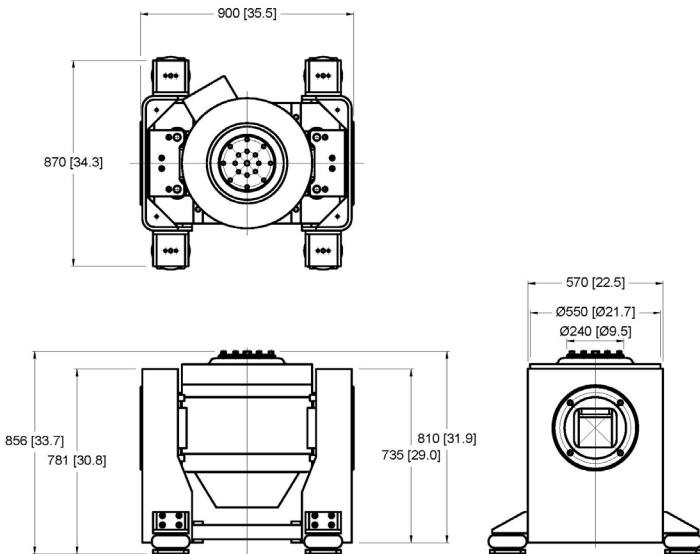
OPTIONS & ACCESSORIES

Sentek Dynamics offers a wide selection of options and accessories for unique applications and complete turn-key systems.

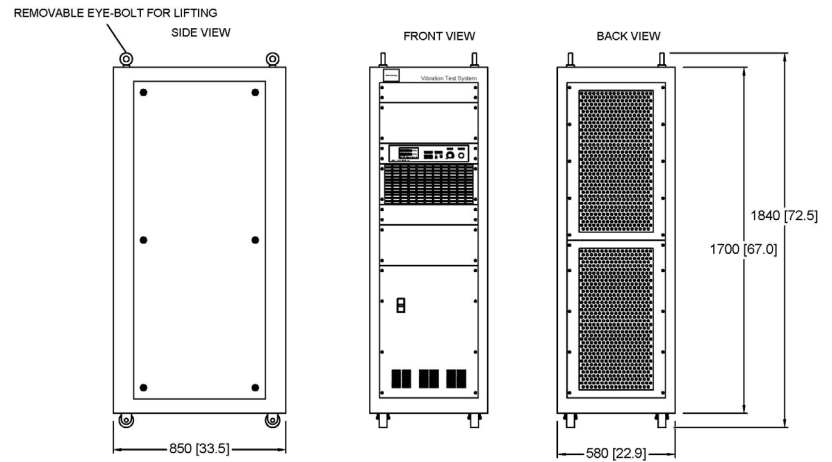
- Custom armature and slip table insert patterns and threads available
- Air-isolation feet, pads and mounts to eliminate need for seismic floor
- Thermal barrier for use with environmental test chambers
- Remote control panel for remote operation



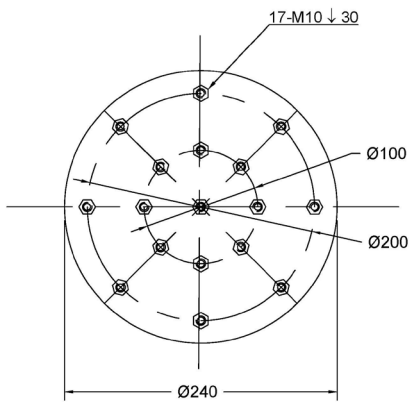
SHAKER MODEL L1024M



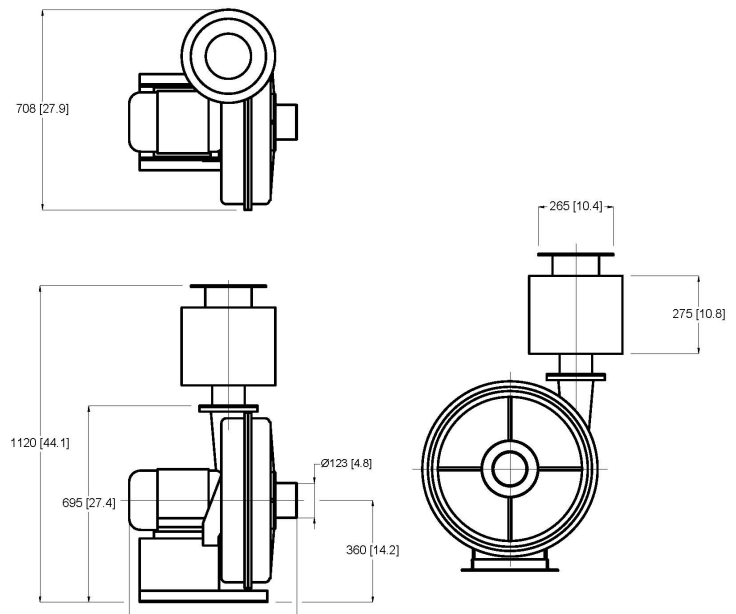
POWER AMPLIFIER MODEL PA115



ARMATURE INSERT PATTERN



BLOWER UNIT MODEL BU-2



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