

L0315M-PAS103 SYSTEM DATASHEET



SYSTEM PERFORMANCE	METRIC	IMPERIAL
Sine Force Peak kN (lbf)	2.94	660
Random Force rms kN (lbf)	2.94	660
Shock Force (6ms) kN (lbf)	5.88	1,321
Useful Frequency Range Hz	5 - 4500	5 - 4500
Continuous Displacement mm (in)	40	1.6
Shock Displacement mm (in)	40	1.6
Max Velocity m/s (in/s)	2	78.7
Max Acceleration Sine Peak m/s ² (g)	980	100

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

- Continuous displacement 40 mm (1.6 in)
- Useable frequency range 5 - 4500 Hz
- Max static payload 120 kg (265 lb)
- Air-cooled amplifier efficiency > 90%
- Rugged isolated trunnion

L0315M SHAKER	METRIC	IMPERIAL
Armature Diameter mm (in)	150	5.9
Armature Material	Mg	Mg
Effective Armature Mass kg (lb)	3	6.6
Armature Insert Pattern PCD mm (in) plus 1 in center	6-60/6-120	6-2.375/6-4.75
Armature Insert Threads	M8	5/16-18UNC
First Resonant Frequency (bare table) ±5% Hz	3000	3000
Max Static Payload kg (lb)	120	265
Natural Frequency Thrust Axis Hz	< 5	< 5
Stray Flux Density gauss	< 10	< 10
Shaker Weight Uncrated kg (lb)	454	1001
Dimensions Uncrated (W x D x H) mm (in)	735 x 795 x 690	29.0 x 31.3 x 27.2

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.

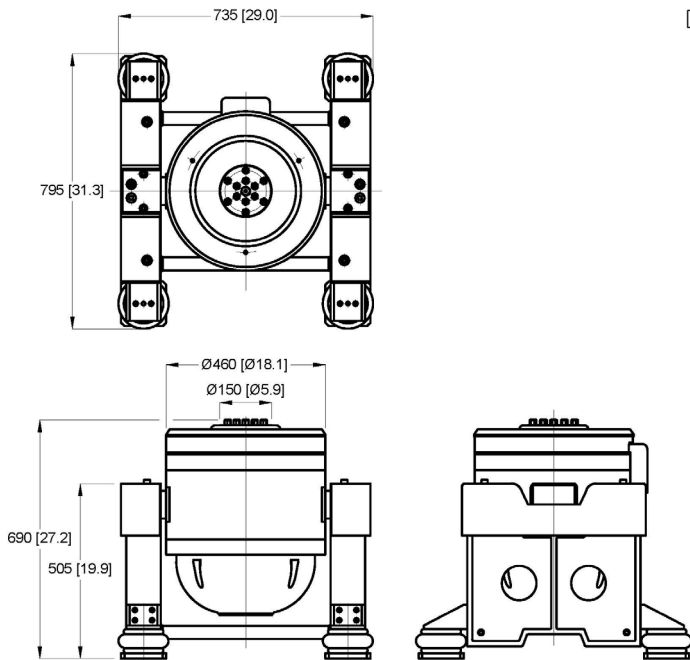
- Custom armature and slip table insert patterns and threads available
- Air-isolation feet, pads and mounts to eliminate need for seismic floor
- Thermal barrier for use with environmental test chambers
- Remote control panel for remote operation

PAS103 POWER AMPLIFIER	METRIC	IMPERIAL
Number of Sub-modules Supplied	1	1
Rated Power Output kVA	3	3
Rated Output Voltage V rms	100	100
Rated Output Current A rms	32	32
Number of Cabinets	1	1
System Required Power kVA	5	5
Amplifier Weight Uncrated kg (lb)	230	507
Dimensions Uncrated (W x D x H) mm (in)	580 x 850 x 1040	22.8 x 33.5 x 40.9

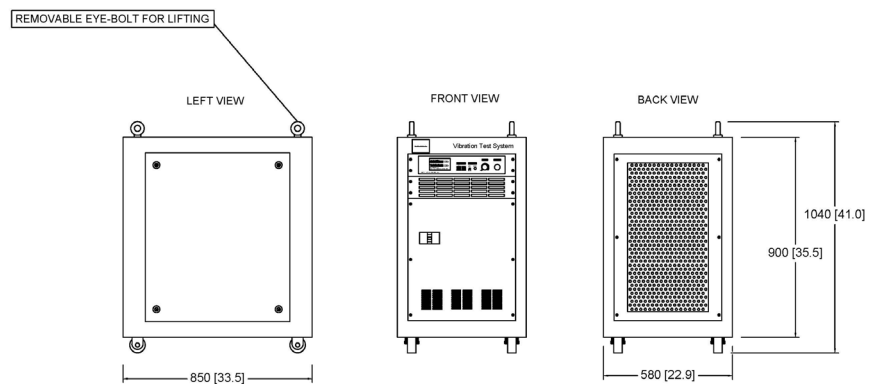
BU-1 BLOWER	METRIC	IMPERIAL
Standard Air Hose Length m (ft)	3	9.8
Hose Diameter mm (in)	123	4.8
Blower Unit Weight Uncrated kg (lb)	26	57.3
Dimensions (W x D x H) mm (in)	430 x 450 x 370	16.9 x 17.7 x 14.6



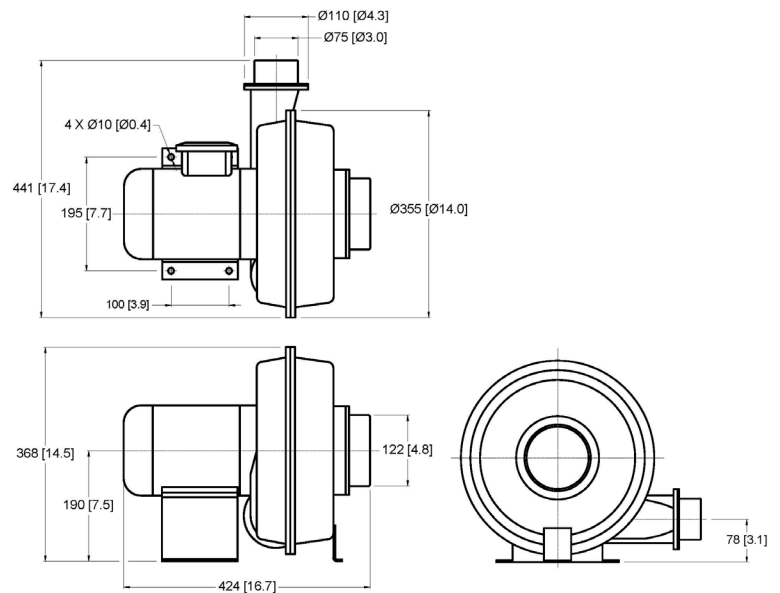
SHAKER MODEL L0315M



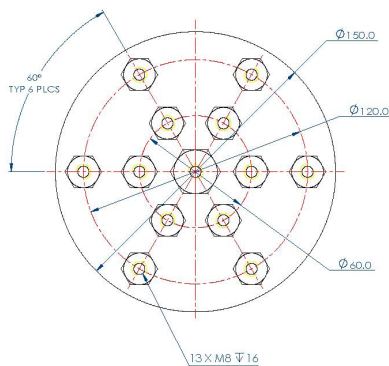
POWER AMPLIFIER MODEL PAS103



BLOWER UNIT MODEL BU-1



ARMATURE INSERT PATTERN



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