



SENTEK
DYNAMICS

SENTEK EUROPE S.R.L.
Vibration Test Systems

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L0620M-PAS106 - System Datasheet



DESCRIPTION

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

- Force 600 kgf (sine and random)
- Continuous displacement 51mm (2 in)
- Useable frequency range 5 - 5000 Hz
- Max static payload 200 kg (440 lb)
- Air-cooled amplifier efficiency > 90%
- Air-isolation mounts to eliminate need for seismic floor
- Automatic armature centering
- Degauss coil

OPTIONS AND ACCESSORIES

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

- Mono-base slip tables in a wide-range of sizes and configurations for maximum over-turning moment and cross-axial restraint
- Thermal barriers for use with environmental test chambers



TECHNICAL INFORMATION L0620M-PAS106

System Performance	Metric	Imperial
Sine Force Peak (kgf / N) Lbf	600 / 5880	1.320
Random Force rms (kgf / N) Lbf	600 / 5880	1.320
Shock Force (6 ms) kgf (lbf/N)	1,200 / 11760	2.640
Useful Frequency Range Hz	5-5000	5-5.000
Continuous Displacement pk-pk mm (in)	51	2
Shock Displacement pk-pk mm (in)	51	2
Max Velocity m/s (in/s)	2	78.7
Max Acceleration Sine Peak m/s ² (g)	980	100

Shaker	MODEL L0620M	
Armature Diameter mm (in)	200	7.87
Armature Material	Mg	Mg
Effective Armature Mass kg (lb)	6	13.2
Armature Insert Pattern PCD mm (in) plus 1 in center	8-100 / 8-160	8-4 / 8-6.3
Armature Insert Threads	M8	5/16-18UNC
First Resonant Frequency (bare table) ±5% Hz	3800	3800
Max Static Payload kg (lb)	200	440
Natural Frequency Thrust Axis Hz	< 5	< 5
Stray Flux Density gauss	<10	< 10
Shaker Weight Uncrated kg (lb)	620	1360
Shaker Dimensions Uncrated (W x D x H) mm (in)	790X530X697	31.1X20.9X27.5

Power Amplifier	MODEL PAS106	
Number of Sub-modules Supplied	2	2
Rated Power Output kVA	6	6
Rated Output Voltage V rms	110	110
Rated Output Current A rms	56	56
Number of Cabinets	1	1
Dimensions Uncrated (W x D x H) mm (in)	580x850x950	22.8x33.5x37,4
Amplifier Weight Uncrated kg (lb)	240	528
System Required Power kVA	12	12

Blower Unit	MODEL 500	
Flow rate m ³ /s (ft ³ /s)	0,32	11.3
Standard Air Hose Length m (ft)	4	13.1
Hose Diameter mm (in)	125	4.9
Dimensions (W x D x H) mm (in)	346x745x835	13.6x29.3x32.8
Blower Unit Weight Uncrated kg (lb)	75	165

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