

M3240A-PA136 SYSTEM DATASHEET



SYSTEM PERFORMANCE	METRIC	IMPERIAL
Sine Force Peak kN (lbf)	31.36	7,050
Random Force rms kN (lbf)	31.36	7,050
Shock Force (6ms) kN (lbf)	62.72	14,100
Useful Frequency Range Hz	5 - 2500	5 - 2500
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

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

- Continuous displacement 51 mm (2.0 in)
- Useable frequency range 5 - 2500 Hz
- Max static payload 500 kg (1102 lb)
- Air-cooled amplifier efficiency > 90%
- Rugged isolated trunnion

M3240A SHAKER	METRIC	IMPERIAL
Armature Diameter mm (in)	400	15.7
Armature Material	Al	Al
Effective Armature Mass kg (lb)	32	70.5
Armature Insert Pattern PCD mm (in) plus 1 in center	4-100/8-200/8-315	4-4/8-8/8-12.5
Armature Insert Threads	M10	3/8-16UNC
First Resonant Frequency (bare table) ±5% Hz	2,300	2,300
Max Static Payload kg (lb)	500	1,102
Natural Frequency Thrust Axis Hz	< 5	< 5
Stray Flux Density gauss	< 10	< 10
Shaker Weight Uncrated kg (lb)	2,150	4,740
Dimensions Uncrated (W x D x H) mm (in)	1537 x 891 x 1178	60.5 x 35.1 x 46.4

PA136 POWER AMPLIFIER	METRIC	IMPERIAL
Number of Sub-modules Supplied	7	7
Rated Power Output kVA	36	36
Rated Output Voltage V rms	95	95
Rated Output Current A rms	325	325
Number of Cabinets	1	1
System Required Power kVA	42	42
Amplifier Weight Uncrated kg (lb)	450	992
Dimensions Uncrated (W x D x H) mm (in)	580 x 850 x 1840	22.8 x 33.5 x 72.4

BU-3 BLOWER	METRIC	IMPERIAL
Standard Air Hose Length m (ft)	5	16.4
Hose Diameter mm (in)	200	7.9
Blower Unit Weight Uncrated kg (lb)	260	573
Dimensions (W x D x H) mm (in)	800 x 1100 x 1900	31.5 x 43.3 x 74.8

SLIP TABLES

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

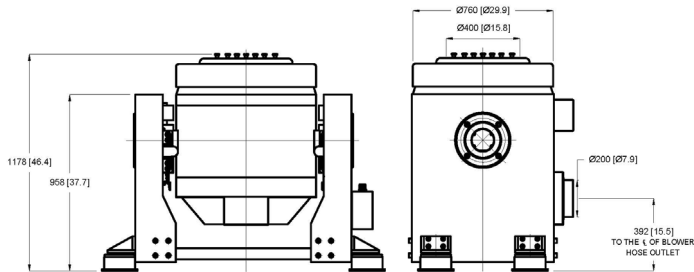
OPTIONS & ACCESSORIES

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



A decorative graphic consisting of a grid of colored hexagons. The hexagons are arranged in two rows. The top row has five hexagons: dark red, red, grey, light orange, and light grey. The bottom row has five hexagons: grey, red-orange, yellow, orange, and dark orange. The hexagons are separated by thin white lines.



Technical drawings of the Vibration Test System showing three views: Side View, Front View, and Back View. Dimensions are provided in millimeters [inches].

- SIDE VIEW:** Shows the side profile of the system. The width is 850 [33.5] mm.
- FRONT VIEW:** Shows the front panel of the system. The top section is labeled "Vibration Test System". The bottom section features a digital display and several buttons. The width is 850 [33.5] mm.
- BACK VIEW:** Shows the back panel of the system. The width is 580 [22.9] mm. The height is divided into two sections: 1840 [72.5] mm for the upper section and 1700 [67.0] mm for the lower section. The total height is 3540 [139.5] mm.

Technical drawing of a circular plate with a diameter of 400 mm. The plate features three concentric circles with diameters of 100 mm, 200 mm, and 315 mm. A 5x5 grid of 25 holes is arranged in a circular pattern. The outermost holes have a diameter of 20 mm and a depth of 38 mm. The drawing includes dimension lines and labels for the diameters and hole specifications.

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