



# M5064M-PA155 SYSTEM DATASHEET



SYSTEM PERFORMANCE	METRIC	IMPERIAL
Sine Force Peak kN (lbf)	49.00	11,015
Random Force rms kN (lbf)	49.00	11,015
Shock Force (6ms) kN (lbf)	98.00	22,031
Useful Frequency Range Hz	2 - 2300	2 - 2300
Continuous Displacement mm (in)	51	2.0
Shock Displacement mm (in)	51	2.0
Max Velocity m/s (in/s)	1.8	70.9
Max Acceleration Sine Peak m/s <sup>2</sup> (g)	784	80

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 2 - 2300 Hz
- Max static payload 1000 kg (2204 lb)
- Air-cooled amplifier efficiency > 90%
- Rugged isolated trunnion

M5064M SHAKER	METRIC	IMPERIAL
Armature Diameter mm (in)	640	25.2
Armature Material	Mg	Mg
Effective Armature Mass kg (lb)	62.5	137.8
Armature Insert Pattern PCD mm (in) plus 1 in center	8-200/8-400/8-600	8-8/8-16/8-24
Armature Insert Threads	M16	5/8 - 11 UNC
First Resonant Frequency (bare table) ±5% Hz	2,200	2,200
Max Static Payload kg (lb)	1,000	2,204
Natural Frequency Thrust Axis Hz	< 10	< 10
Shaker Weight Uncrated kg (lb)	4,200	9,260
Dimensions Uncrated (W x D x H) mm (in)	1516 x 1124 x 1048	59.7 x 44.3 x 41.3

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

PA155 POWER AMPLIFIER	METRIC	IMPERIAL
Number of Sub-modules Supplied	12	12
Rated Power Output kVA	55	55
Rated Output Voltage V rms	105	105
Rated Output Current A rms	525	525
Number of Cabinets	1	1
System Required Power kVA	75	75
Amplifier Weight Uncrated kg (lb)	650	1,433
Dimensions Uncrated (W x D x H) mm (in)	580 x 850 x 1840	22.8 x 33.5 x 72.4

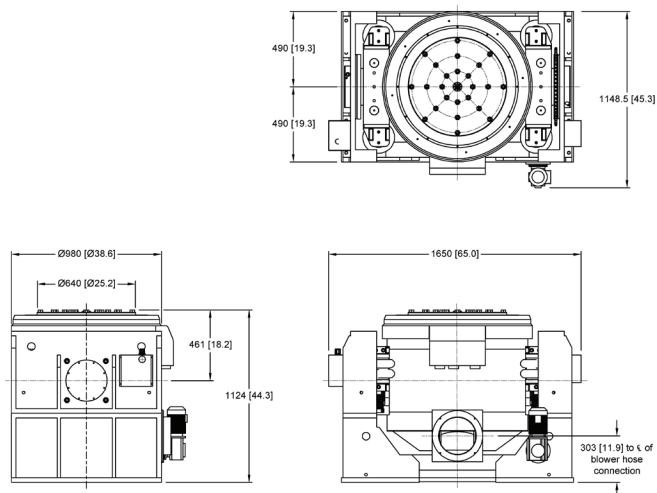
**OPTIONS & ACCESSORIES**  
Sentek Dynamics offers a wide selection of options and accessories for unique applications and complete turn-key systems.

- 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

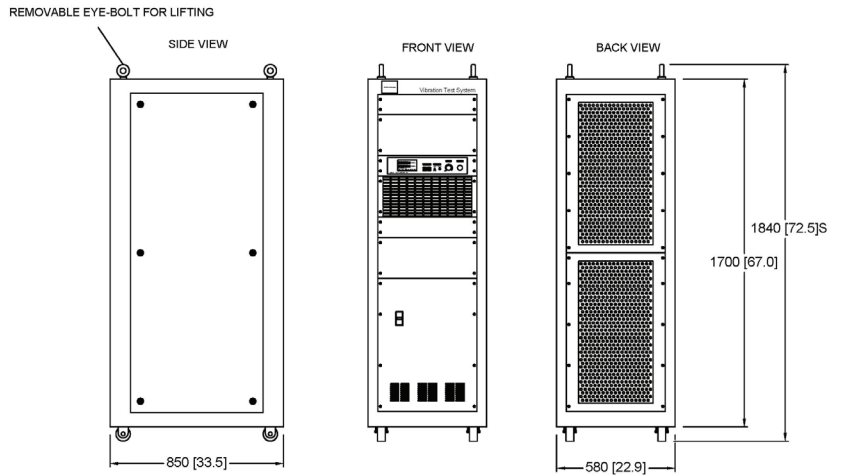
BU-5 BLOWER	METRIC	IMPERIAL
Standard Air Hose Length m (ft)	5	16.4
Hose Diameter mm (in)	200	7.9
Blower Unit Weight Uncrated kg (lb)	390	860
Dimensions (W x D x H) mm (in)	1300 x 1100 x 1960	59.2 x 43.3 x 77.2



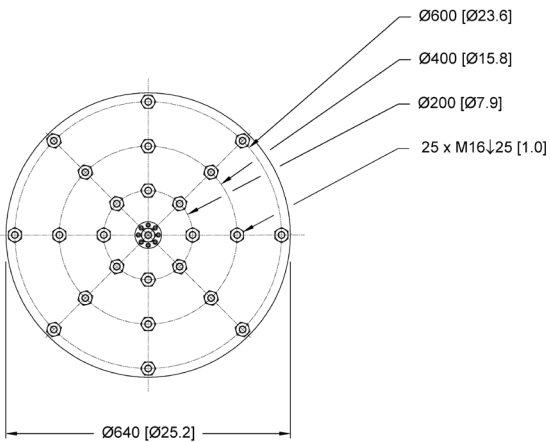
**SHAKER MODEL M5064M**



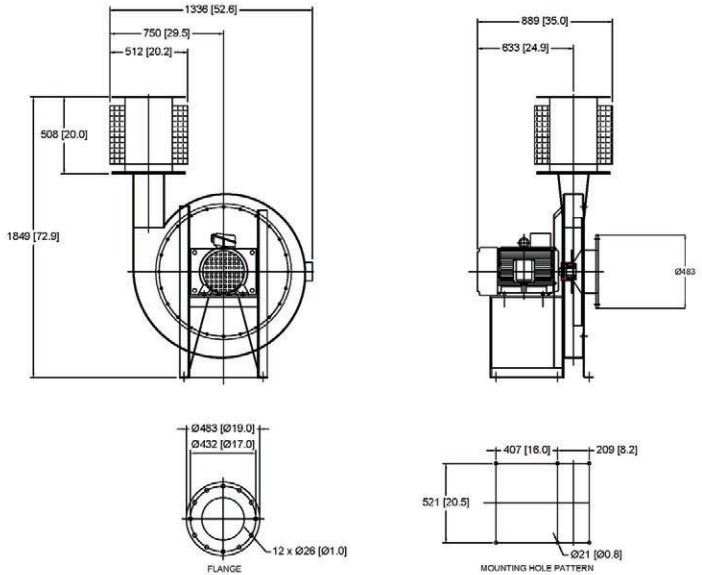
**POWER AMPLIFIER MODEL PA155**



**ARMATURE INSERT PATTERN**



**BLOWER UNIT MODEL BU-5**



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