



M1528A-PA118 SYSTEM DATASHEET



SYSTEM PERFORMANCE	METRIC	IMPERIAL
Sine Force Peak kN (lbf)	14.70	3,304
Random Force rms kN (lbf)	14.70	3,304
Shock Force (6ms) kN (lbf)	29.40	6,609
Useful Frequency Range Hz	5 - 3000	5 - 3000
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)	784	80

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

- Continuous displacement 51 mm (2.0 in)
- Useable frequency range 5 - 3000 Hz
- Max static payload 300 kg (661 lb)
- Air-cooled amplifier efficiency > 90%
- Rugged air-isolated trunnion

M1528A SHAKER	METRIC	IMPERIAL
Armature Diameter mm (in)	280	11.0
Armature Material	Al	Al
Effective Armature Mass kg (lb)	18	39.7
Armature Insert Pattern PCD mm (in)	4-100/8-200	4-4/8-8
Armature Insert Threads	M10	3/8-16UNC
First Resonant Frequency (bare table) ±5% Hz	2,450	2,450
Max Static Payload kg (lb)	300	661
Natural Frequency Thrust Axis Hz	< 5	< 5
Stray Flux Density gauss	< 10	< 10
Shaker Weight Uncrated kg (lb)	1,600	3,527
Dimensions Uncrated (W x D x H) mm (in)	1090 x 820 x 1075	42.9 x 32.3 x 42.3

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

PA118 POWER AMPLIFIER	METRIC	IMPERIAL
Number of Sub-modules Supplied	4	4
Rated Power Output kVA	18	18
Rated Output Voltage V rms	95	95
Rated Output Current A rms	184	184
Number of Cabinets	1	1
System Required Power kVA	28	28
Amplifier Weight Uncrated kg (lb)	390	860
Dimensions Uncrated (W x D x H) mm (in)	580 x 850 x 1840	22.8 x 33.5 x 72.4

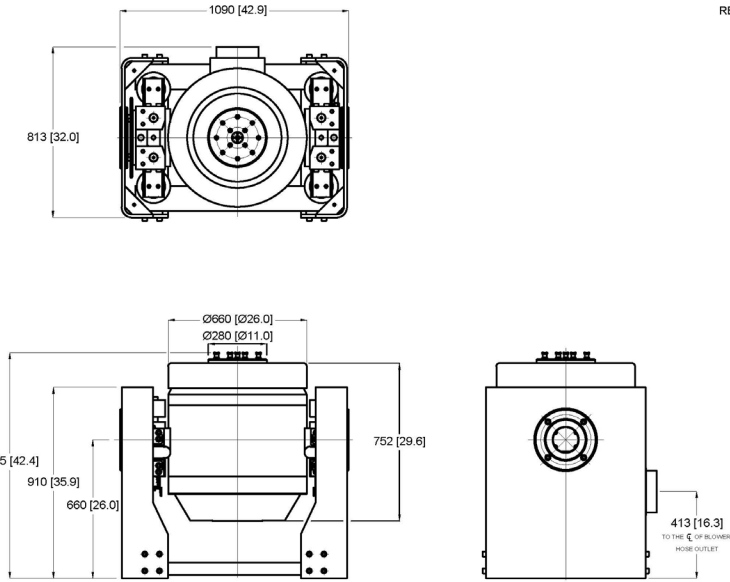
OPTIONS & ACCESSORIES
Sentek Dynamics offers a wide selection of options and accessories for unique applications and complete turn-key systems.

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

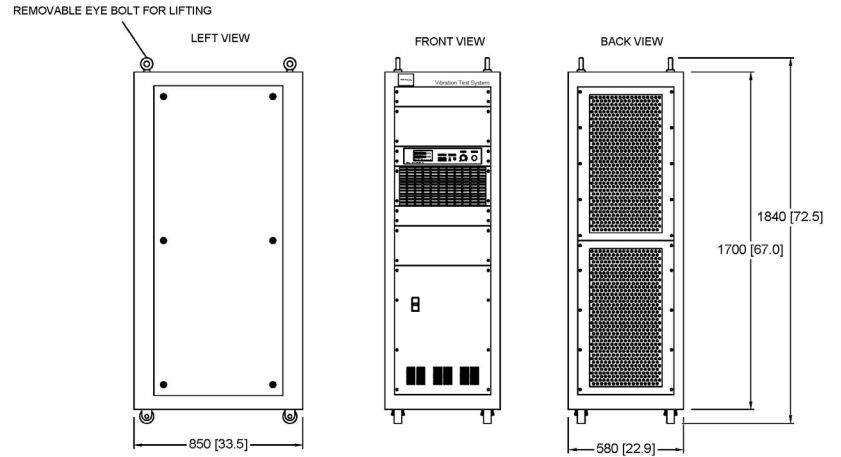
BU-3 BLOWER	METRIC	IMPERIAL
Standard Air Hose Length m (ft)	5	16.4
Hose Diameter mm (in)	200	7.9
Blower Unit Weight Uncrated kg (lb)	260	573
Dimensions (W x D x H) mm (in)	800 x 1100 x 1900	31.5 x 43.3 x 74.8



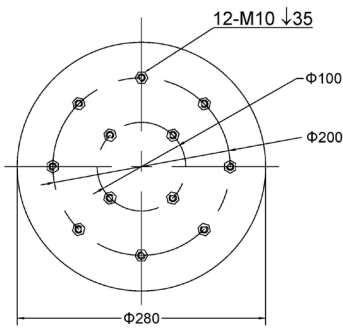
SHAKER MODEL M1528A



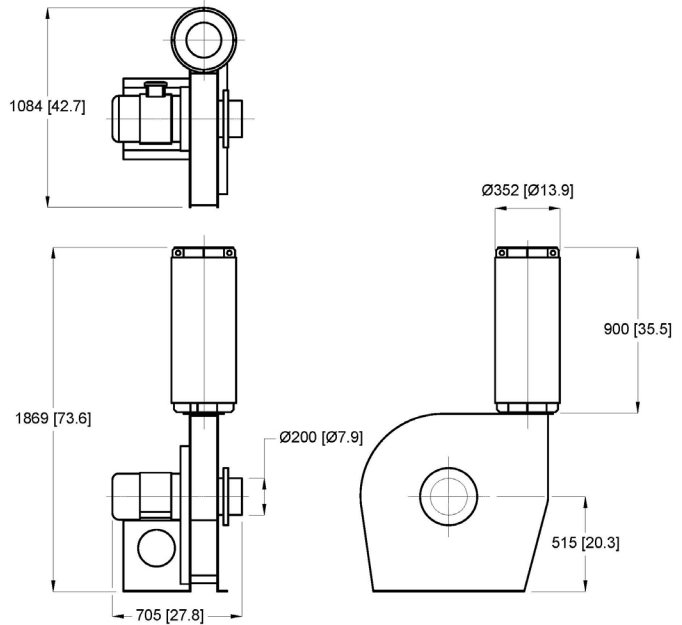
POWER AMPLIFIER MODEL PA118



ARMATURE INSERT PATTERN



BLOWER UNIT MODEL BU-3



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