



DS11000/18-50 ELECTRO-DYNAMIC SHAKER SYSTEM

TECHNICAL SPECIFICATION

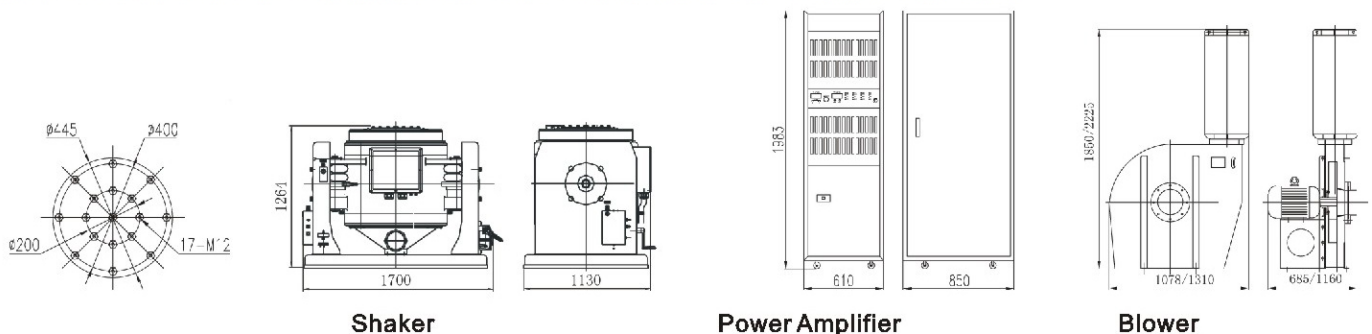
Shaker Specifications DS11000/18			
Sine (Pk)	5,000 kgf (11,000 lbf)	Body Suspension Natural Frequency (Thrust Axis)	2.5 Hz
Random (RMS)	5,000 kgf (11,000 lbf)		
Shock (Pk)	10,000kgf (22,000 lbf)	Table Diameter	445 mm (17.5")
Usable Frequency	5 to 2,700 Hz	Armature Effective Nominal Weight	50 kg (110 lbs)
Maximum Displacement(p-p)	51mm (2")		
Maximum Velocity	200 cm/s (78.7 in/s)	Load Attachment Points (Standard)	17 stainless steel M12 Inserts (UNC option)
Maximum Acceleration	80 g / 100 g / 100 g	Stray Flux Density @6 inch (152 mm) above table	< 1 mT (10 gauss)
Fundamental Resonance Frequency (Bare table)	2,400 Hz (nom.) ± 5%		
Vertical Load Support	800 kg (1,760 lbs)*	Overall Dimensions	1700mmL × 1130mmD × 1264mmH (66.9" L × 44.5." D × 49.8" H)
		Weight of Shaker (Uncrated)	4500 kg (9,900 lbs)

* Special requirements can achieve maximum load 1000 kg

Power Amplifier Specifications SA-50		Blower Specifications	
Rated Output Capacity	50 kVa	Blower Power (Full Load)	15 kW (20 HP)
Signal to Noise Ratio	Greater than 65 dB	Air Flow	1.1m³/s (2336 CFM)
Amplifier Efficiency	Greater than 90%	Air Pressure	7.7 kpa (1.12 PSI)
Interlock Protection (to prevent the output devices from working outside their specified limits)	<ul style="list-style-type: none"> • Logic Fault • Input Phase Loss • Over-Voltage • Control Power • External Fault • Input Under-Voltage • Over-Temp (Field Coil and Driving Coil) • Over-Current • Air Pressure • Over-Travel 	Air Duct length	4m

System Environmental Requirement		SYSTEM OPTIONS	
Operating Room Temperature	0 to 40 degree C	• Slip Table Configuration	• Head Expander
Humidity	0 to 90%, non condensing		
Power Supply Requirement	82 kVa at 380 VAC, 50 Hz, 3 PH (ALTERNATE SUPPLIES AVAILABLE)	• V-Groove Caster and Rail System	• Thermal Barrier
Compressed Air Requirement	0.6 Mpa (87 psi)		
		• Remote Control	• Fixture

✂ The standard cable length between Shaker and Power Amplifier is 6m.



NOTE: In keeping with our commitment to continuous product improvement, the information herein is subject to change.

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