



# DS8800/18-40 SHAKER SYSTEM TECHNICAL SPECIFICATION

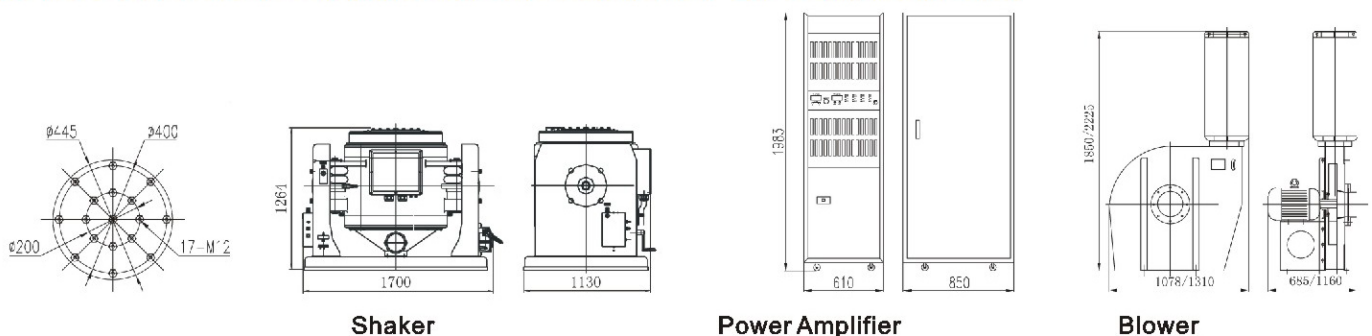
Shaker Specifications DS8800/18			
Sine (Pk)	4,000 kgf (8,800 lbf)	Body Suspension Natural Frequency (Thrust Axis)	2.5 Hz
Random (RMS)	4,000 kgf (8,800 lbf)		
Shock (Pk)	8,000 kgf (17,600 lbf)	Table Diameter	445 mm (17.5" )
Usable Frequency	5 to 2,700 Hz	Armature Effective Nominal Weight	50 kg (110 lbs)
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-40		Blower Specifications	
Rated Output Capacity	40 kVa	Blower Power (Full Load)	15 kW (20 HP)
Signal to Noise Ratio	Greater than 65 dB	Air Flow	1.1m <sup>2</sup> /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"> <li>• Logic Fault</li> <li>• Input Phase Loss</li> <li>• Over-Voltage</li> <li>• Control Power</li> <li>• External Fault</li> <li>• Input Under-Voltage</li> <li>• Over-Temp (Field Coil and Driving Coil)</li> <li>• Over-Current</li> <li>• Air Pressure</li> <li>• Over-Travel</li> </ul>	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		• V-Groove Caster and Rail System
Power Supply Requirement	380 VAC, 50 Hz, 3 Ph, 73 kVa All Voltages OPTIONAL	• Remote Control	
Compressed Air Requirement	0.6 Mpa (87 psi)		

✂ 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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