



# DS13000LS3/18-60

## THREE INCH STROKE ELECTRO-DYNAMIC SHAKER SYSTEM AIR COOLED!

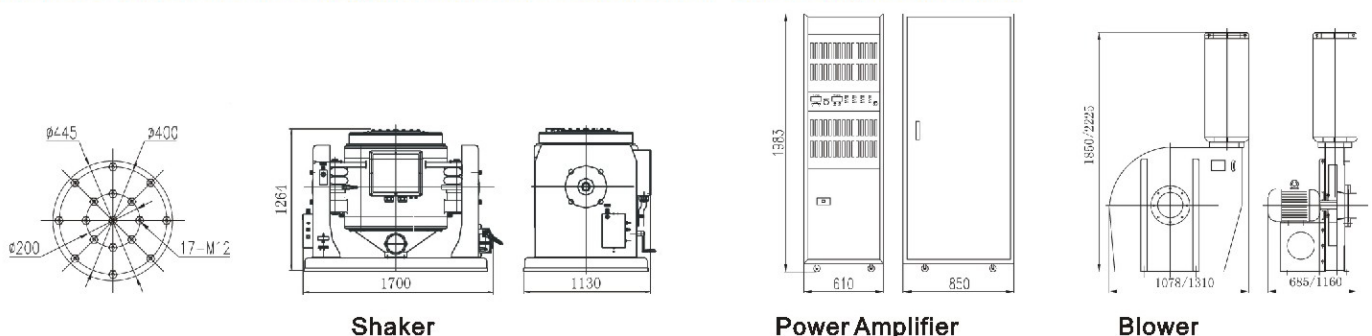
### TECHNICAL SPECIFICATION

Shaker Specifications DS13000LS3/18			
Sine (Pk)	6,000kgf(13,200lbf)	Body Suspension Natural Frequency (Thrust Axis)	2.5 Hz
Random (RMS)	6,000kgf(13,200lbf)		
Shock (Pk)	12,000kgf(26,400lbf)	Table Diameter	445 mm (17.5" )
Usable Frequency	5 to 2,600 Hz	Armature Effective Nominal Weight	60 kg(132 lbs)
Maximum Displacement(p-p)	76mm (3" )		
Maximum Velocity	180 cm/s (70.9 in/s)	Load Attachment Points (Standard)	17 stainless steel M12 Inserts (UNC option)
Maximum Acceleration	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)

Power Amplifier Specifications		Blower Specifications	
Rated Output Capacity	60kVA	Blower Power (Full Load)	30 Kw (40 hp)
Signal to Noise Ratio	Greater than 65 dB	Air Flow	1.6 m <sup>3</sup> /s (3398 CFM)
Amplifier Efficiency	Greater than 90%	Air Pressure	8 kpa (1.16 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	• Thermal Barrier
Power Supply Requirement	380 VAC, 50 Hz, 3Ph, 95kVA (All kinds of Powersupply are optional)		
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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