



# DS-16000LS/21-70 AIR COOLED SHAKER SYSTEM TECHNICAL SPECIFICATION

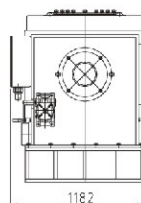
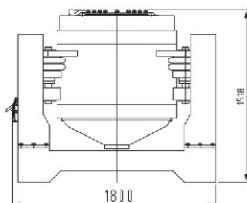
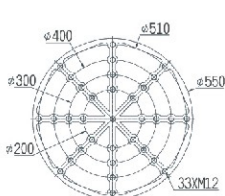
## WITH 3" PEAK TO PEAK DISPLACEMENT!!

Shaker Specifications - DS-16000LS/21			
Sine (Pk)	7,000 kgf (15,400 lbf)	Body Suspension Natural Frequency (Thrust Axis)	2.5 Hz
Random (RMS)	7,000 kgf (15,400 lbf)		
Shock (Pk)	14,000 kgf (30,800 lbf)	Table Diameter	550 mm (21.7" )
Usable Frequency	5 to 2,500 Hz	Armature Effective Nominal Weight	80 kg (176 lbs)
Maximum Displacement(p-p)	76mm (3" )	Load Attachment Points (Standard)	33 stainless steel M12 Inserts (UNC option)
Maximum Velocity	180 cm/s (70.9 in/s)	Stray Flux Density @6 inch (152 mm) above table	< 1 mT (10 gauss)
Maximum Acceleration	85 g	Overall Dimensions	1750mmL × 1050mmD × 1518mmH (66.9" L × 44.5." D × 59.7" H)
Fundamental Resonance Frequency (Bare table)	2,000 Hz (nom.) ± 5%	Weight of Shaker (Uncrated)	4500 kg (9,900 lbs)
Vertical Load Support	1,000 kg (2,200 lbs)		

Power Amplifier Specifications SA-70		Blower Specifications B-7000	
Rated Output Capacity	70 kVA	Blower Power (Full Load)	30 kW (40 HP)(Based on 380VAC,50Hz)
Signal to Noise Ratio	Greater than 65 dB	Air Flow	1.6m³/s (3,398 CFM)
Amplifier Efficiency	Greater than 90%	Air Pressure	7.5 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	• Thermal Barrier
Power Supply Requirement	380 VAC, 50 Hz, 3Ph, 118kVA (All kinds of Power supply are optional)	• Remote Control	• Fixture
Compressed Air Requirement	0.6 Mpa (87 psi)		

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



Combo Slip Table

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