



DS16000/19-70

100% AIR COOLED

ELECTRO-DYNAMIC

VIBRATION TEST SYSTEM

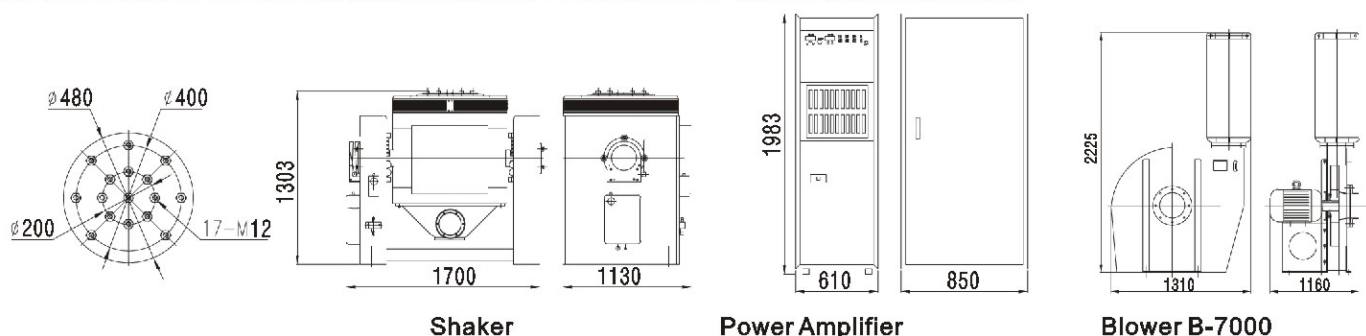
TECHNICAL SPECIFICATION

Shaker Specifications DS16000/19			
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	480 mm (19")
Usable Frequency	5 to 2,200 Hz	Armature Effective Nominal Weight	70 kg (154 lbs)
Maximum Displacement(p-p)	51mm (2")		
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	< 2 mT (20 gauss)
Fundamental Resonance Frequency (Bare table)	1,900 Hz (nom.) ± 5%		
Vertical Load Support	1,000 kg (2,200 lbs)	Overall Dimensions	1700mmL×1130mmD×1303mmH (66.9" L×44.5." D×51.3" H)
		Weight of Shaker(Uncrated)	4,500 kg(9,900 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	1.6 m³/s (3398 CFM)
Amplifier Efficiency	Greater than 90%	Air Pressure	7.5 kpa (1.09 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	380 VAC, 50 Hz, 3Ph, 118 kVA (All kinds of Power supply are optional)	• V-Groove Caster and Rail System	• Thermal Barrier
Compressed Air Requirement	0.6 Mpa (87 psi)		
System Continuous Duty	<ul style="list-style-type: none"> • Not less than 7 hours at the 85% rating's sweeping • Maximum duration 30 minutes on, 30 minutes off at full rated force and fixed frequency 	• 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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