DS-9000/14-40

TECHNICAL SPECIFICATION

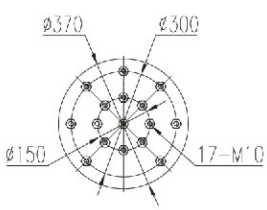
100% Air Cooled Shaker System

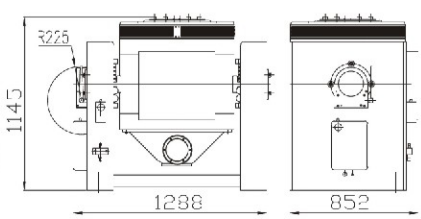
Shaker Specifications DS-9000/14			
Sine (Pk)	4,000 kgf (8,800 lbf)	Body Suspension Natural Frequency (Thrust Axis)	2.5 Hz
Random (RMS)	4,000 kgf (8,800 lbf)		
Shock (Pk)	8,000 kgf (17,600 lbf)	Table Diameter	370 mm (14.6")
Usable Frequency	5 to 2,800 Hz	Armature Effective Nominal Weight	35 kg (77 lbs)
Maximum Displacement(p-p)	51mm (2")		
Maximum Velocity	200 cm/s (78.7 in/s)	Load Attachment Points (Standard)	17 stainless steel M10 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%	Overall Dimensions	1288mmL×852mmD×1145mmH (50.7" L×33.5." D×45.1" H)
Vertical Load Support	500 kg (1,100 lbs)	Weight ofShaker(Uncrated)	2490 kg(5,478 lbs)

Power Amplifier Specifications SA40		Blower Specifications B-5000	
Rated Output Capacity	40 kVA	Blower Power (Full Load)	15 kW (20 HP)(Based on 380VAC,50Hz)
Signal to Noise Ratio	Greater than 65 dB	Air Flow	1.1 m³/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)	• Logic Fault • Over-Current • Input Phase Loss • Air Pressure • Over-Voltage • Over-Travel • Control Power • External Fault • Input Under-Voltage • Over-Temp (Field Coil and Driving Coil)	Air Duct length	4m

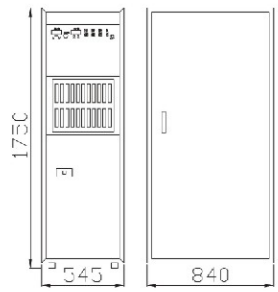
System Environmental Requirement		SYSTEM OPTIONS	
Operating Room Temperature	0 to 40 degree C	• Slip Table Configuration	• Head Expander
Humidity	0 to 90%, non condensing	• V-Groove Caster and Rail System	• Thermal Barrier
Power Supply Requirement	380 VAC, 50 Hz, 3Ph, 64 kVA (All kinds of Power supply are optional)		
Compressed Air Requirement	0.6 Mpa (87 psi)	• Remote Control	• Fixture
System Continuous Duty	Not less than 7 hours at the 65% rating`s sweeping Maximum duration 30 minutes on,30 minutes off at full rated force and fixed frequenty		

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

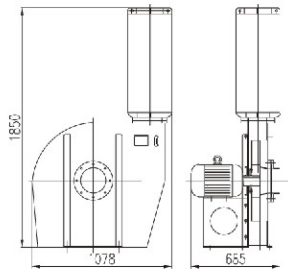




Shaker



Power Amplifier



Blower B-5000

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