

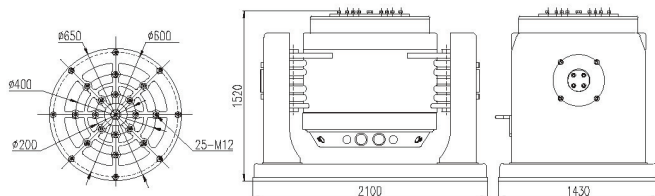
ES-200LS3-650 TECHNICAL SPECIFICATIONS

Shaker ET-200LS3-650					
Specifications	Metric	British	Specifications	Metric	British
Sine Force (Pk)	20,000 kgf	44,000 lbf	Vertical Load Support	1,600kg	3,520 lbs
Random Force (RMS)	20,000 kgf	44,000 lbf	Body Suspension Natural Frequency (Thrust Axis)	2.5 Hz	
Shock Force (Pk)	40,000 kgf	88,000 lbf	Table Diameter	650 mm	25.6"
★ Shock Force (Pk)-Optional	60,000 kgf	132,000 lbf	Mass of Moving Element	150 kgs	330 lbs
Usable Frequency	1 to 2,100 Hz		Armature Insert Pattern (standard)	25 stainless steel M12 Inserts (UNC option)	
Maximum Displacement(p-p)	76 mm	3"	Stray Flux Density @6 inch (152 mm) above table	< 1 mT	< 10 gauss
Maximum Velocity	2 m/s	78.7 in/s	Overall Dimensions (L×D×H)	2100×1430×1520mm	82.7"×56.3"×59.8"
★ Maximum Velocity-Optional	2.5 m/s	98.4 in/s	Cross Axial Stiffness	25,000 N/mm	142,551 lbf/in
Maximum Acceleration	100 g		Axial Stiffness	120 N/mm	684 lbf/in
Armature Resonance (Bare Table)	1,700 Hz (nom.) ± 5%		Weight of Shaker(Uncrated)	11,000 kgs	24,200 lbs

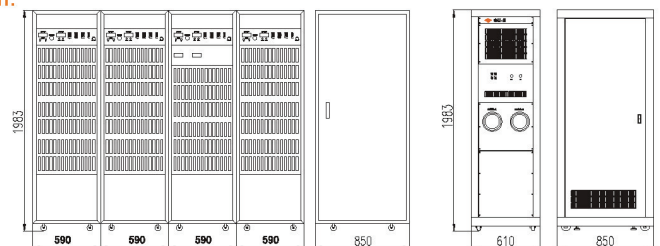
Power Amplifier DA-200			Water Cooling Unit CU-2		
Specifications	Metric	British	Specifications	Metric	British
Rated Output Capacity	200 kVA		Internal Cooling Circle (Water Flow)	80 L/min	2.8 CFM
Signal to Noise Ratio	> 65 dB		Internal Cooling Circle (Water Pressure)	1 Mpa	145 PSI
Amplifier Efficiency	> 90%		External Cooling Circle (Water Flow)	160 L/min	5.7 CFM
Interlock Protections	<ul style="list-style-type: none"> Water Cooling Unit Field Water Temp Shaker Water Temp Field Coil Power External Control(1,2) Horizontal Oil Power Output Over Current 	<ul style="list-style-type: none"> Output Over Voltage Control Power Over-Travel Cabinet Fault Door Interlock Air Flow 	External Cooling Circle (Water Pressure)	0.25~0.4 Mpa	36~58 PSI
			Distilled Water Requirements	Hardness: 30 ppm, PH7~8, Conductivity 1 Us/cm	
			Pump power	Internal Circle 8kW External Circle 4kW	
Weight	3,300 kgs	7,260 lbs	Weight	300 kgs	660 lbs

System Environmental Requirement			SYSTEM OPTIONS	
Specifications	Metric	British		
Room Temperature	5 to 40 °C	41-104 F	• Slip Table Configuration	• Head Expander
Room Humidity	0 to 90%, non condensing		• Air Casters	• Remote Control
Power Supply Requirement	380 VAC, 50Hz, 3Ph, 250 kVA (Or customer specified power supply)		• V-Groove Caster and Rail System	• Thermal Barrier
Compressed Air Requirement	0.6 Mpa	87 PSI	• Pneumatic Isolation	• Fixture

※The standard cable length between Shaker and Power Amplifier is 10m.
 ※The standard water pipe length between Shaker and Water Unit is 10m.



Shaker ET-200LS3-650



Power Amplifier DA-200

Water Cooling Unit CU-2

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