

### ES-200LS3-650

System Performance	Metric	American
Rated Sine Force	200 kN	44000 lbf
Rated Random Force	200 kN	44000 lbf
Rated Shock Force	400/600* kN	88000/13200* lbf
Usable Frequency	DC-2100 Hz	DC-2100 Hz
Maximum Velocity	2 m/s	78.7 in/s
Maximum Acceleration	1000 m/s <sup>2</sup>	100 g
Maximum Static Payload	2500 kg	5500 lbs
Resonance Frequency	1700±5% Hz	1700±5% Hz
Maximum Displacement p-p	76 mm	3 in

### Shaker: ET-200LS3-650

Mass of Moving Elements	150 kg	331 lbs
Armature Diameter	650 mm	25.6 in
Weight	11000 kg	24250 lbs
Body Suspension Natural Frequency	<2.5 Hz	<2.5 Hz
Stray Flux Density	<10 Gauss	<10 Gauss
Dimension L×W×H	2130×1480×1553 mm	83.9×58.3×61.1 in

### Power Amplifier: SDA-200

Power	200 kVA	200 kVA
Power Supply Requirement	250 kVA	250 kVA
Dimension L×W×H	3000×1010×2070 mm	118×39.8×81.5 in
Weight Uncrated	3300 kg	7275 lbs

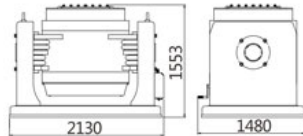
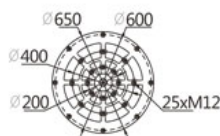
### Water Cooling: CU-2

Internal Circle Water Flow (Distilled Water)	80 L/min	17.6 gal/min
Internal Circle Water Pressure (Distilled Water)	1 Mpa	145 psi
External Circle Water Flow (City Water)	160 L/min	35.2 gal/min
External Circle Water Pressure (City Water)	0.25-0.4 Mpa	36-58 psi
Water Pump Power (Internal/External)kW	8/4 kW	8/4 kW
Distilled Water Requirement	Hardness 30ppm, PH7~8, Conductivity 1Us/cm	
Unit Weight ( kg )	300 kg	661 lbs
Dimension L×W×H	607×1010×2070 mm	23.9×39.8×81.5 in

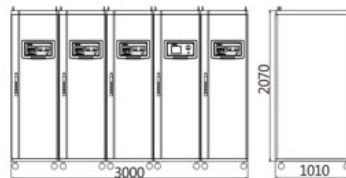
### Options

- Magnesium or Aluminum Armature
- Customized Fixtures (T, L, Cube)
- Combo or Standalone Slip Table
- Pneumatic Isolators or Free Foundation Isolation Base
- Motorized Shaker Body Rotation System
- Air Caster or Glide Rail
- Head Expanders and Vertical Support Platforms
- Cooling tower
- Thermal barrier
- Remote control

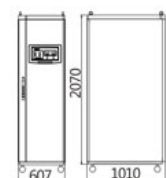
### Outline Drawing



ET-200LS3-650



Power Amplifier SDA-200



Water Cooling CU-2

### Water-cooled Series

Water-cooled Vibration test system features with the large force, large bearing capacity and high cooling efficiency, to complete the tri-axial sinusoidal vibration test, broadband random vibration test and classical (semi-sinusoidal, trapezoidal, and postpeak sawtooth) pulse and shock response spectrum test. The multi-environment combined test can be completed with the equipped climate chamber. At present, this series has a variety of models to choose. The exciting force range is from 50 kN to 500 kN and maximum load is from 800 kg to 10000 kg.

### Performance characteristics

- Random to sinusoidal excitation force ratio: 1:1
- Two-times-of-sine shock force (Three times optional)
- Displacement peak-to-peak: 51mm, 76mm or 100mm
- Lightweight armature and large working table
- Better vibration isolation effect of air spring at trunnion position
- Large bearing capacity of air spring in central room, and good low-frequency performance
- Equipped with an automatic centering system, to control the armature is always in the balance position during movement
- Double magnetic circuit design, with low flux leakage and uniform magnetic field

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