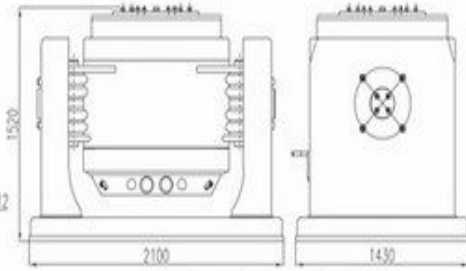
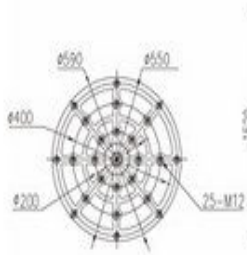
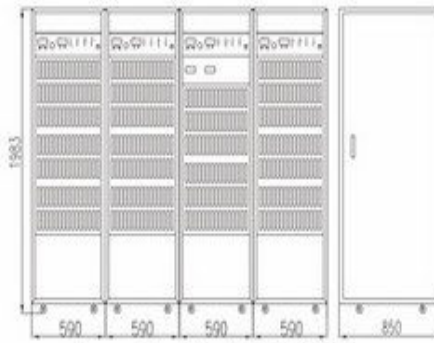


<b>System Model</b>	<b>ES-180-590</b>	
<b>System Performance</b>	<b>Metric</b>	<b>British</b>
<b>Rated Random/Sine Force</b>	180 kN	40000 lbf
<b>Rated Shock Force</b>	360/540* kN	80000/121000* lbf
<b>Usable Frequency</b>	2-2200 Hz	
<b>Maximum Velocity</b>	2/2.5* m/s	78.7/98.4* in/s
<b>Maximum Acceleration</b>	1000 m/s <sup>2</sup>	100 g
<b>Maximum Payload</b>	1600 kg	3527 lbs
<b>Maximum Displacement p-p</b>	51 mm	2 in
<b>Resonance Frequency</b>	1800Hz±5%	
<b>Shaker Model</b>	<b>ET-180</b>	
<b>Mass of Moving Elements</b>	140 kg	308 lbs
<b>Armature Diameter</b>	590 mm	23.2 in
<b>Weight</b>	About 11000 kg	About 24251 lbs
<b>Body Suspension Natural Frequency</b>	2.5 Hz	2.5 Hz
<b>Dimension L×W×H</b>	2100×1430×1520 mm	82.7×56.3×59.8 in
<b>Power Amplifier Model</b>	<b>DA-180</b>	
<b>Power</b>	180 kVA	
<b>Power Supply Requirement</b>	250kVA	
<b>Weight</b>	About 2600 kg	About 5732 lbs
<b>Dimension L×W×H</b>	2360×850×1983 mm	92.9×33.5×78 in
<b>Cooling Type</b>	<b>Water Cooling</b>	
<b>Cooling Unit Model</b>	<b>CU-2</b>	
<b>Internal Circle Water Flow (Distilled Water)</b>	80 L/min	17.6 gal/min
<b>Internal Circle Water Pressure (Distilled Water)</b>	1 Mpa	145 psi
<b>External Circle Water Flow (City Water)</b>	160 L/min	35.2 gal/min
<b>External Circle Water</b>	0.25~0.4 Mpa	36-58 psi

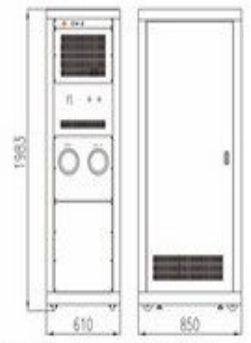
<b>Pressure (City Water)</b>		
<b>Water Pump Power (Internal/External)kW</b>	8/4 kW	
<b>Distilled Water Requirement</b>	Hardness 30ppm, PH7~8, Conductivity 1Us/cm	
<b>Unit Weight (kg)</b>	About 300 kg	About 661 lbs
<b>Dimension L×W×H</b>	610×850×1983 mm	24×33.5×78 in



Shaker ET-160/180-590



Power Amplifier DA-160/180



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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