

## Electro-dynamic Shaker (Water Cooled)

EDL series water cooled shakers provide a superb testing platform for vibration testing on larger or heavier specimen, widely used for products of aerospace, aviation and defense, automotive and transportation. These shakers have unique multi-cycles water cooling technique on armature coil, and improved short-circuit protection design. This features EDL series with better cooling efficiency and higher reliability. And its armature has intensity strengthened design for higher reliability and long life service.

### Features

- Unique multi-cycles water cooling on armature coil
- Intensity strengthened armature with reinforced material
- Rugged suspension system and linear motion guidance
- Double magnetic circuit design
- IGBT Power Module with Digital Control and Higher Power Convert Efficiency
- High reliability with system MTBF> 10,000 hours
- Auto-centering control integrated
- Optional foundation-free design available
- Optional Multi-shaker and Multi-axis design available
- Optional climate chamber combined design available



Shaker Model	EDL-6000	EDL-7000	EDL-8000	EDL-10000
Rated Sine Force (kN)	60	70	80	100
Shoche Force (kN)	120	140	160	200
Usable Frequency Range (Hz)	1-2,500	1-2,500	1-2,500	1-2,500
Max. Acceleration (m/s <sup>2</sup> )	981	981	981	981
Max. Velocity (m/s)	1.8	1.8	1.8	1.8
Max. Displacement (mm, p-p)	51	51	51	76
Max. Static Payload (kg)	800	800	800	1200
Armature Diameter (mm)	445	445	480	480
Effective Moving Elements Mass (kg)	60	60	80	85
Power Amplifier Model	VSA-H643A	VSA-H803A	VSA-H963A	VSA-H1203A
Amplifier Type	Switching	Switching	Switching	Switching
Rated Power Output (kVA)	64	80	96	120
Power Supply Requirement (kVA)	100	120	140	160
Cooling Unit Model	PCU-W60	PCU-W70	PCU-W80	PCU-W100
Internal Circle Water Flow/Pressure	40/1	40/1	50/1	50/1
External Circle Water Flow/Pressure	100/0.25-0.4	100/0.25-0.4	160/0.25-0.4	160/0.25-0.4
Distilled Water Requirement	Hardness 30ppm, PH 7-8, Conductivity 1Us/cm			
Power Consumption (kW)	6	6	12	12

### System Options

- Head Expander/Slip Table
- Amplifier Remote Control
- Fixture or Jig Design
- Thermal Baffle Design
- Movable Guide Rail Design
- Climate Chamber Combination

Specifications subject to change without prior notice.

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