

# Electro-dynamic Shaker (Air Cooled)

EDS/EDM series electro-dynamic shakers provide a superb testing platform for vibration testing of product design, fatigue and durability, packing and transportation, reliability mission profile, and more real-world environmental simulation. These tests are widely needed among most of industries, from automotive to IT, from household electrical appliances to satellite, from civil to defense labs.

## Features

- Sine Force Range from 300kgf to 6,000kgf.
- System MTBF >10,000 Hours
- Double Magnetic Circuit Design and Advanced Trunnion Isolation Design
- IGBT Power Module with Digital Control and Higher Power Convert Efficiency
- Dedicated System Interlocks
- Auto-Centering Control Optional
- Automatic Rotating Mechanism Optional
- Amplifier Remote Control Optional
- Foundation-free design Optional



Shaker Model	EDS-300	EDS-600	EDM-1000	EDM-2000	EDM-2200	EDM-3200	EDM-3200LT	EDM-3200LS	EDM-4000	EDM-5000	EDM-5000LS
Rated Sine Force (kN)	2.94	5.88	9.8	19.6	21.56	31.36	31.36	30	39.2	49.1	49.1
Shoec Force (kN)	5.88	11.76	19.6	39.2	43.12	62.72	62.72	60	78.4	98.2	98.2
Usable Frequency Range (Hz)	1-4,000	1-3,500	1-3,000	1-3,000	1-3,000	1-2,500	1-2,500	1-2,500	1-2,500	1-2,500	1-2,500
Max. Acceleration (m/s <sup>2</sup> )	981	981	981	981	981	981	981	750	981	981	800
Max. Velocity (m/s)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Max. Displacement (mm, p-p)	25.4	51	51	51	51	51	51	100	51	51	100
Max. Static Payload (kg)	120	300	300	300	300	500	500	500	800	1000	800
Armature Diameter (mm)	150	200	240	320	320	320	370	350	445	445	445
Effective Moving Elements Mass (kg)	3	6	10	20	20	32	32	40	50	50	63
Power Amplifier Model	VSA-H402A	VSA-H802A	VSA-H123A	VSA-H243A	VSA-H243A	VSA-H323A	VSA-H323A	VSA-H323B	VSA-H483A	VSA-H563A	VSA-H563B
Amplifier Type	Switching	Switching	Switching	Switching	Switching	Switching	Switching	Switching	Switching	Switching	Switching
Rated Power Output (kVA)	4	8	12	24	24	32	32	32	48	56	56
Power Supply Requirement (kVA)	7	16	26	40	40	65	65	65	90	90	90
Air Blower Model	PBL-W03	PBL-W06	PBL-W10	PBL-W20	PBL-W20	PBL-W30	PBL-W30	PBL-W30	PBL-W40	PBL-W50	PBL-W50
Blower Power (kW)	0.75	4	4	7.5	7.5	7.5	7.5	7.5	22	22	22
Air Flow (m <sup>3</sup> /s)	0.2	0.3	0.356	0.66	0.66	0.66	0.66	0.66	1.36	1.36	1.36
Air Pressure (kgf/cm <sup>2</sup> )	0.015	0.048	0.058	0.075	0.075	0.075	0.075	0.075	0.08	0.08	0.08
Hose Diameter (mm)	120	120	120	200	200	200	200	200	200	200	200

Specifications subject to change without prior notice.

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