



# Environmental Test Solutions

- ◆ Double magnetic circuit, Non-frame moving coil
- ◆ High acceleration low distortion
- ◆ Air-spring supporter
- ◆ Suitable for matching slip tables and temperature test chambers



## Specifications of General Purpose Electrodynamic Vibrators

System Model	ST-1000-13	ST-1500-16	ST-2200-26	ST-3000-35	ST-4000-40	ST-5000-50	ST-5000-50(C)	ST-6500-65(C)	ST-8000-80(C)	ST-10000-100(C)
Max, sine force(kg)	1000	1500	2200	3000	4000	5000	5000	6500	8000	10000
Max, Random force(kg)	1000	1500	2200	3000	4000	5000	5000	6500	8000	10000
Rated frequency range(Hz)	5-3000	5-3000	5-3000	5-2500	5-2500	5-2500	2-2500	2-2500	2-2500	2-2200
Max, velocity(m/s)	1.8	2	2	2	2	2	1.8	1.8	1.8	1.8
Max, acceleration (m/s <sup>2</sup> )	1000	784	980	980	882	980	980	980	980	980
Max, displacement (mmp-p)	51	51	51	51	51	51	51	51	51	51
Max,load(kg)	150	300	300	500	800	1000	1000	1000	1500	2000
Shaker Model	DC-1000	DC-2200	DC-2200	DC-3000	DC-4000	DC-5000	DC-6000	DC-6000	DC-8000	DC-10000
Mass of moving elements(kg)	10	22	22	32	38	50	50	52	80	100
Size of table(mm)	240	320	320	445	445	445	445	445	445	445
Dimensions (W x H x D)(mm)	980× 785× 620	900× 990× 790	900× 990× 790	1000× 1060× 880	1420× 1100× 1210	1510× 1170× 1310	1580× 1200× 1000	1580× 1200× 1000	1650× 1170× 1310	1510× 1170× 1130
Weight of shaker(kg)	1000	1600	1600	2000	3200	3800	4000	4000	5500	7500
Power Amplifier Model	SA-13	SA-16	SA-26	SA-35	SA-40	SA-50	SA-50	SA-65	SA-80	SA-100
Max, power output(KVA)	15	20	30	40	50	65	65	80	90	120
Dimensions of power amplifier (W x H x D)(mm)	560× 1720× 810	550× 1700× 800	550× 1700× 800	550× 1700× 800	1100× 1700× 800	1100× 1700× 800	1100× 1700× 800	1100× 1700× 800	1650× 1700× 800	1650× 1700× 800
Weight of power amplifier (kg)	300	390	410	410	900	920	1100	1200	1650	2000
Power Requirement (KVA)	20	28	33	42	72	90	85	95	110	150

The general model of the Electro-dynamic shaker with Double Magnetic Circuit, Non-frame Moving Coil, Air-spring Support Trunnion Isolation, Roller Suspension System and Liner Bearing Guidance. The shakers have advantage of low distortion, strong load capacity good guidance and protection, small volume and easy to match other test facilities

General Purpose Electrodynamic Vibrators are in a full series from 1000N to 10000N Thrust Force, Frequency range from 5Hz-4500Hz, Max Displacement 25mm(p-p), Max load 200kg.

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