



Technical Parameters

Electro-dynamic Shaker

High Acceleration – DH Series



High acceleration electric vibration test system is mainly used in electronic components, automotive parts, aerospace, energy transportation and other fields. The acceleration of general electric vibration test systems without payload is no more than 100g. When actually performing the test, the acceleration will be reduced because of the weight of specimens and fixture, and can't do the vibration test above 50g. DH high acceleration electric vibration test systems can meet test specification requirements of sine 70g, 80g, random 55g refer to the standards of GJB360A, GJB1512.

Features

- Optimized structure design, light weight of armature but high strength.
- Composit material to wind the armature, to improve the winding strength and dielectric strength of armature.
- High strength conductive technology for high conductivity efficiency and high structural strength. The latest armature winding method for high acceleration vibration test.

Model	DH-3500-40	DH-6000-60	DH-8000-80
Max Acceleration (Sine) (m/s ²)	1470	1470	1470
Max Acceleration (Random) (m/s ²)	980	980	980
Usable Frequency Range (Hz)	2 ~ 2400	2 ~ 2500	2 ~ 2500
Rated Sine Force (kN)	34.3	58.8	78.4
Max Velocity (m/s)	2	2	2
Max Displacement (mm)	51	51	51
Max Static Payload (kg)	400	600	800
Vibrator	DH-3500	DH-6000	DH-8000
Effective Armature Mass (kg)	23.3	40	53
Armature Diameter (φmm)	320	340	445
Dimensions Uncrated (W x H xD) (mm)	1200*1120*900	1650*1160*1060	1160*1920*850
Vibrator Weight Uncrated (kg)	2500	3800	4500
Power Amplifier	SA-40	SA-60	SA-80
Rated Power Output (kVA)	40	60	80
Dimensions Uncrated (W x H xD) (mm)	550×1700×800	550×1700×800	1100×1700×800
Amplifier Weight Uncrated (kg)	450	650	680
Amplifier Required Power(kVA)	50	72	118
Cooling Method	FJ-3000	FJ-6000	DHE-150
Flow (m ³ /min)	40	78	250L/min
Pressure (Pa)	5390	9800	
Rated Power (kW)	7.5	22	2
Cooling Method	Air-cooled		Water-cooled
System Required Power(kVA)	57	94	120

Note: Parameters are subject to change upon request.