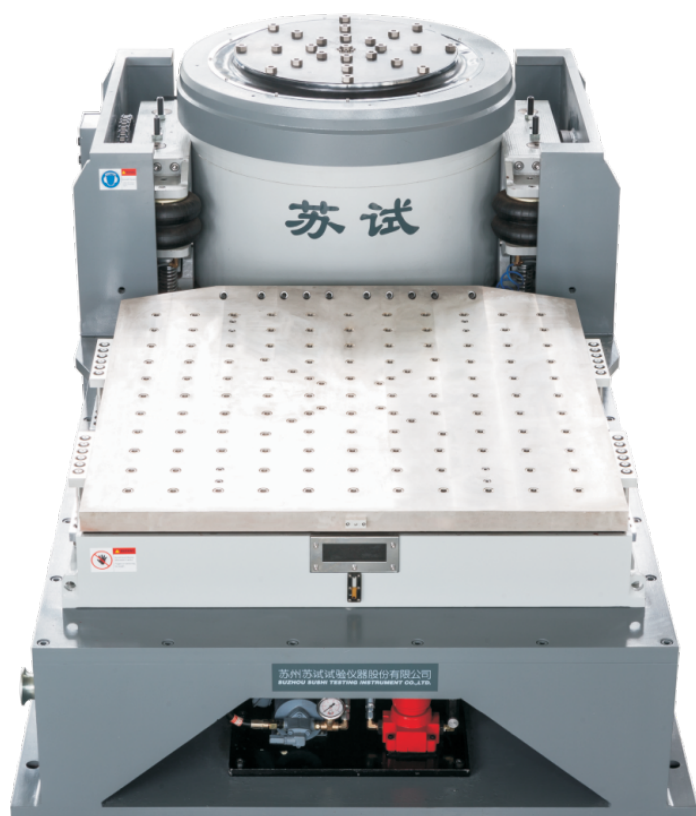




Technical Parameters

Electro-dynamic Shaker

Large Working Table – DT Series



DT series large working-table vibration test system can meet the vibration test with large specimen and high test frequency.

Features

- Using the new inversed-conical structure of armature for high stiffness and good frequency response
- The diameter of working-table is $\Phi 640\text{mm}$, much larger than the other series of systems.
- Adopt the optimization design of field coils and cooling duct structure.
- The armature is made of Magnesium alloy, which can reduce the weight of armature, no-load acceleration of DT series system can up to 80g.

Model	DT-3200-36	DT-5000-60
Usable Frequency Range (Hz)	2 ~ 2000	2 ~ 2300
Rated Sine Force (kN)	31.36	49
Max Acceleration (m/s^2)	784	784
Max Velocity (m/s)	1.8	1.8
Max Displacement (mm)	51	51
Max Static Payload (kg)	500	1000
Vibrator	DT-3200	DT-5000
Effective Armature Mass (kg)	40	62.5
Armature Diameter (ϕ mm)	640	640
Cross-axial Allowable Eccentric Moment ($\text{N}\times\text{m}$)	490	980
Dimensions Uncrated (W x H x D) (mm)	1190×1100×890	1516×1124×1043
Vibrator Weight Uncrated (kg)	2200	4200
Power Amplifier	SA-36	SA-60
Rated Power Output (kVA)	40	60
Dimensions Uncrated (W x H x D) (mm)	550×1750×850	550×1850×850
Amplifier Weight Uncrated (kg)	450	650
Amplifier Cooling Method	Switching	
Amplifier Required Power (kVA)	45	65
Cooling Method	Air-cooled	
Blower Model	FJ-3000	FJ-6000
Flow (m^3/min)	40	78
Pressure (Pa)	5390	9800
Rated Power (kW)	7.5	22
System Required Power (kVA)	52	87

Note: The parameters are subject to change upon request.