

### ES-10D-240

System Performance	Metric	American
Rated Sine Force	10 kN	2200 lbf
Rated Random Force	10 kN	2200 lbf
Rated Shock Force	20 kN	4400 lbf
Usable Frequency	DC-5000 Hz	DC-5000 Hz
Maximum Velocity	2 m/s	78.7 in/s
Maximum Acceleration	1000 m/s <sup>2</sup>	100 g
Maximum Static Payload	300 kg	660 lbs
Resonance Frequency	3300±5% Hz	3300±5% Hz
Maximum Displacement p-p	51 mm	2 in

### Shaker: ET-10D-240

Mass of Moving Elements	10 kg	22 lbs
Armature Diameter	240 mm	9.4 in
Weight	900 kg	1984 lbs
Body Suspension Natural Frequency	<2.5 Hz	<2.5 Hz
Stray Flux Density	<10 Gauss	<10 Gauss
Dimension L×W×H	980×688×813 mm	38.6×27.1×32 in

### Power Amplifier: SDA-10

Power	10 kVA	10 kVA
Power Supply Requirement	21 kVA	21 kVA
Dimension L×W×H	607×820×1593 mm	23.9×32.3×62.7 in
Weight Uncrated	400 kg	882 lbs

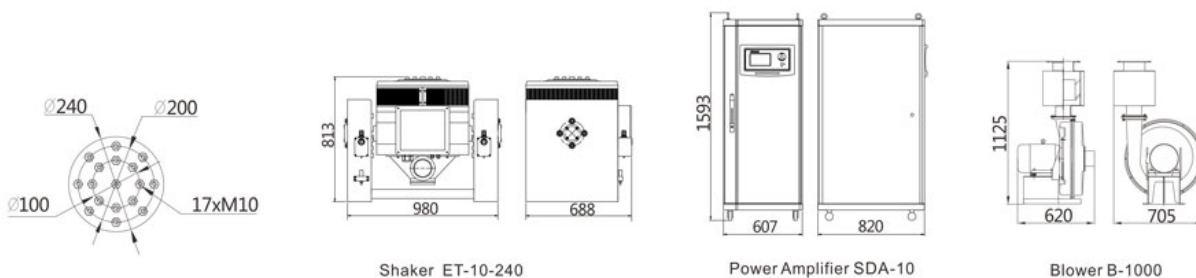
### Blower: B-1000

Power	4 kW	5.36 hp
Air Flow	0.33 m <sup>3</sup> /s	330 l/s
Air Pressure	3.5 kPa	0.508 psi
Weight Uncrated	115 kg	254 lbs

### Options

- Magnesium or Aluminum Armature
- Customized Fixtures (T, L, Cube)
- Combo or Standalone Slip Table
- Pneumatic Isolators or Free Foundation Isolation Base
- Motorized Shaker Body Rotation System
- Air Caster or Glide Rail
- Head Expanders and Vertical Support Platforms
- Enclosed Air Inlet and Outlet Ducts
- Thermal barrier
- Remote control

### Outline Drawing



### Air-cooled Series

The air-cooled series electro-dynamic vibration test system has the advantages, such as wide frequency range, excellent indicators, high reliability, small floor space, easy to move, and easy to operate. At present, this series has a variety of models of vibration generators to choose. The exciting force range is from 1kN to 70kN and maximum load is from 70 kg to 1000 kg. Also, the climate and mechanics environmental testing equipments are provided.

### Performance characteristics

- Sinusoidal excitation force range: 1kN ~ 70kN
- Random to sinusoidal excitation force ratio 1:1
- Two-times-of-sine shock force (Three times optional)
- Displacement peak-to-peak value of 25mm, 40mm, 51mm, 76mm or 100mm
- Lightweight armature with optimization design and strong vibration-resistant performance, and with better vibration isolation effect of air spring at trunnion position
- Strong bearing capacity of air spring in central room, and good low-frequency performance
- Double magnetic circuit design, with low flux leakage and uniform magnetic field
- Sine, Random and Shock etc. test function
- Good cooling effect and low noise fan

NOTE: In keeping with our commitment to continuous product improvement, the information herein is subject to change.