

ES-3-230

System Performance	Metric	American
Rated Sine Force	3 kN	660 lbf
Rated Random Force	3 kN	660 lbf
Rated Shock Force	6 kN	1320 lbf
Usable Frequency	DC-2500 Hz	DC-4000 Hz
Maximum Velocity	1.5 m/s	59.1 in/s
Maximum Acceleration	350 m/s ²	35 g
Maximum Static Payload	140 kg	308 lbs
Resonance Frequency	2700±5% Hz	2700±5% Hz
Maximum Displacement p-p	40 mm	1.6 in

Shaker: ET-3-230

Mass of Moving Elements	8.5 kg	18.7 lbs
Armature Diameter	230 mm	9 in
Weight	430 kg	948 lbs
Body Suspension Natural Frequency	<3 Hz	<3 Hz
Stray Flux Density	<10 Gauss	<10 Gauss
Dimension L×W×H	756×618×700 mm	29.8×24.3×27.5 in

Power Amplifier: SDA-3

Power	3 kVA	3 kVA
Power Supply Requirement	6.5 kVA	6.5 kVA
Dimension L×W×H	607×820×1593 mm	23.9×32.3×62.7 in
Weight Uncrated	200 kg	441 lbs

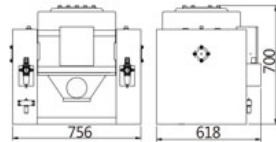
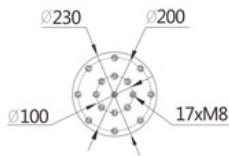
Blower: B-200

Power	0.75 kW	1 hp
Air Flow	0.1 m ³ /s	100 l/s
Air Pressure	1 kPa	0.145 psi
Weight Uncrated	30 kg	66 lbs

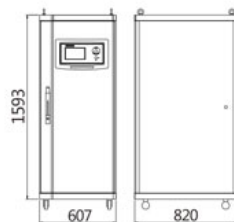
Options

- 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

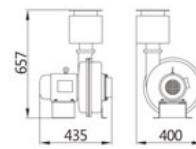
Outline Drawing



Shaker ET-3-230



Power Amplifier SDA-2



Blower B-200

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.