

ES-30-550

| System Performance | Metric | American |
|--------------------------|----------------------|------------------|
| Rated Sine Force | 30 kN | 6600 lbf |
| Rated Random Force | 30 kN | 6600 lbf |
| Rated Shock Force | 60/90* kN | 13200/19800* lbf |
| Usable Frequency | DC-2000 Hz | DC-2000 Hz |
| Maximum Velocity | 2/2.5*m/s | 78.7/98.4* in/s |
| Maximum Acceleration | 545 m/s ² | 54.5g |
| Maximum Static Payload | 500 kg | 1100 lbs |
| Resonance Frequency | 2200±5% Hz | 2200±5% Hz |
| Maximum Displacement p-p | 51 mm | 2 in |

Shaker: ET-30-370

| | | |
|-----------------------------------|------------------|-------------------|
| Mass of Moving Elements | 55 kg | 121 lbs |
| Armature Diameter | 550 mm | 21.7 in |
| Weight | 2540 kg | 5600 lbs |
| Body Suspension Natural Frequency | <2.5 Hz | <2.5 Hz |
| Stray Flux Density | <10 Gauss | <10 Gauss |
| Dimension L×W×H | 1328×854×1158 mm | 52.3×33.6×45.6 in |

Power Amplifier: SDA-30

| | | |
|--------------------------|------------------|-------------------|
| Power | 30 kVA | 30 kVA |
| Power Supply Requirement | 54 kVA | 54 kVA |
| Dimension L×W×H | 620×1010×2106 mm | 24.4×39.8×82.9 in |
| Weight Uncrated | 500 kg | 2202 lbs |

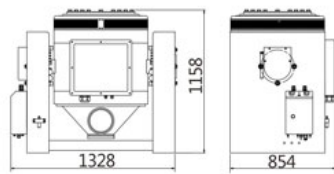
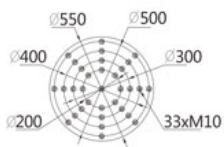
Blower: B-3000

| | | |
|-----------------|------------------------|-----------|
| Power | 7.5 kW | 10.06 hp |
| Air Flow | 0.46 m ³ /s | 460 l/s |
| Air Pressure | 8.8 kPa | 1.276 psi |
| Weight Uncrated | 180 kg | 397 lbs |

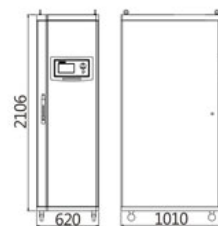
Options

- 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

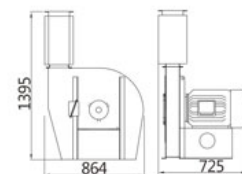
Outline Drawing



Shaker ET-30-550



Power Amplifier SDA-30



Blower B-3000

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.