

IMV VIBRATION TEST SYSTEMS

J series

Air-cooled Vibration Test Systems J260S/SA16HAG



Long duration shock tests require high velocity and large displacement. J-series is a high-frequency system that offers usability and durability furnished with functions that accommodates high velocity and displacement testing.

[Expanded maximum test range]

- Maximum velocity of Sine force: 2.4 m/s
- Maximum velocity of Shock force: 4.6 m/s
- Maximum displacement: 100 mmp-p

[Patented upper (armature) support system PS Guide] Parallel Slope Guide is standard.

[All models can be directly coupled to a climatic chamber.]



① High Velocity and Large Displacement

High velocity of 2.4 m/s and Large displacement of 100 mmp-p (4 inch).



■ PSG guide system

② Improvement of Testing Environment

With the operation of Intelligence Shaker Management (ISM), EM range can reduce power consumption and CO2 emissions automatically.

eco-shaker

② User first principle

Compatible with K2 vibration controller. Intuitive interface leads The operator with user-friendly guidance.





| System Specification | | |
|-----------------------------|---|-------|
| System Model | J260S/SA16HAG | |
| Frequency Range (Hz) | 0-2,000 | |
| Rated Force | Sine (kN) | 54 |
| | Random (kN rms) *1 | 54 |
| | Shock (kN) | 196 |
| | High Velocity Shock (kN) | - |
| Maximum Acc. | Sine (m/s ²) | 857 |
| | Random (m/s ² rms) | 600 |
| | Shock (m/s ²) | 2,000 |
| | High Velocity Shock (m/s ² peak) | - |
| Maximum Vel. | Sine (m/s) | 2.4 |
| | Shock (m/s peak) | 4.6 |
| | High Velocity Shock (m/s peak) | - |
| Maximum Disp. | Sine (mmp-p) | 100 |
| | High Velocity Shock (mmp-p) | - |
| Maximum Travel (mmp-p) | 116 | |
| Maximum Load (kg) | 1,000 | |
| Power Requirements (kVA) *2 | 127 | |
| Breaker Capacity (A) *3 | 225 | |

| Vibration Generator (J260S) | |
|-----------------------------------|-------|
| Armature Mass (kg) | 63 |
| Armature Diameter (φ mm) | 432 |
| Armature Resonance (Hz) | 1,700 |
| Allowance Eccentric Moment (N·in) | 1,550 |
| Mass (kg) | 5,000 |

| Power Amplifier (SA16HAG-J60S) | |
|--------------------------------|-------|
| Maximum Output (kVA) | 76 |
| Mass (kg) | 3,200 |

| Cooling (VAPE 710/N2) | |
|-----------------------|-----|
| Mass (kg) | 250 |

| Environmental Data | | |
|-------------------------------|-----------------|------|
| Input Voltage Supply (3 φ, V) | 380/400/415/440 | |
| Compressed Air Supply (Mpa) | 0.7 | |
| Working Ambient Temperature | Shaker (°C) | 0-40 |
| | Amplifier (°C) | 0-85 |

*1 Random force ratings are specified in accordance with ISO5344 conditions. Please contact IMV or your local distributor with specific test requirements..

*2 Power supply: 3-phase 380/400/415/440 V, 50/60 Hz. A transformer is required for other supply voltages.

*3 Breaker capacity for 480 V.

*The specification shows the maximum system performance. For long-duration tests, system must be de-rated up to 70%.

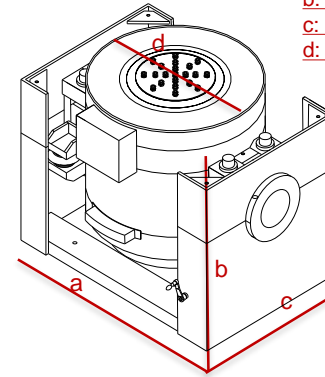
Continuous use at maximum levels may cause failure. Please contact IMV if your system operates at more than 70%.

*For random vibration tests, please set the test definition of the peak value of acceleration waveform to operate at less than the maximum acceleration of shock.

*Frequency range values vary according to the sensor and vibration controller.

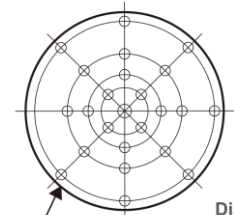
*Armature mass and acceleration may change when a chamber is added.

Vibration Generator (J260S)



a: W 1,632 mm
b: H 1,388 mm
c: D 1,130 mm
d: 920 φmm

Table Insert Pattern (unit: mm)

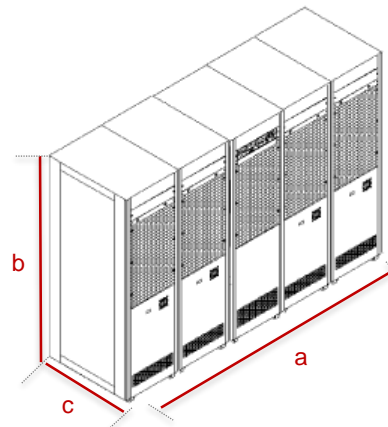


Diameter φ446

25-M10 Depth 40
(P.C.D.100,160, 250, 400)

J260

Amplifier (SA16HAG-J60S)



a: W 2,900 mm
b: H 1,950 mm
c: D 850 mm

Blower

a: W 1,160 mm
b: H 2,405 mm
c: D 787mm

