

IMV VIBRATION TEST SYSTEMS

J series

Air cooled Vibration Test Systems J260S / SA30AM



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]

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

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

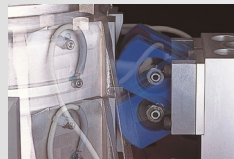
[Low noise] Optimised design of the air intake based on fluid dynamics has reduced the air-intake noise.

[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.





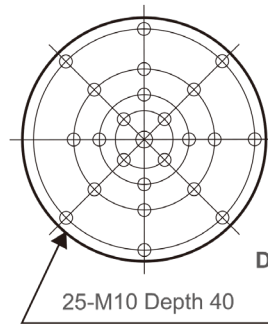
System Specifications		
System Model		J260S/SA30AM
Frequency Range (Hz)		0-2000
Rated Force	Sine (kN)	54
	Random (kN rms) *1	54
	Shock (kN)	196
Maximum Acc.	Sine (m/s ²)	857
	Random (m/s ² rms)	600
	Shock (m/s ²)	2500
Maximum Vel.	Sine (m/s)	2.4
	Shock (m/s peak)	4.6
Maximum Disp.	Sine (mmp-p)	100
	Maximum Travel (mmp-p)	116

Vibration Generator (J260S)	
Armature Mass (kg)	63
Armature Diameter (φ mm)	446
Armature Resonance (Hz)	1700
Allowance Eccentric Moment (N·m)	1550
Maximum Payload (kg)	400
Mass (kg)	5000

*1) Random force ratings are specified in accordance with ISO5344 conditions.
 *2) Power supply: 3-phase 380/400/415/440 V, 50/60 Hz. A transformer is required for other supply voltages. Please contact IMV or your local distributor with specific test requirements.
 * The specification shows the maximum system performance.
 For long-duration tests, de-rating by up to 70 % must be applied.
 Continuous use at maximum levels may cause failure.
 * In the case of Random vibration test, please set the test definition of the peak value of acceleration waveform to be operated less than the maximum acceleration of Shock.
 * Frequency range values vary according to sensor and vibration controller.

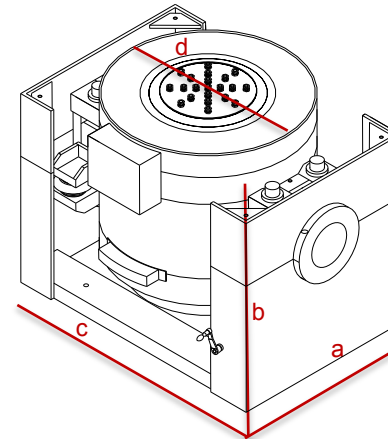
Cooling Blower		
Model		VAPE 710/N2
Mass (kg)		250
Environmental Data		
Power Requirement (kVA) *2		52
Input voltage supply (3φ, V)		380/400/415/440
Compressed Air Supply (Mpa)		0.7
Working Ambient	Temperature (°C)	0 - 40
	Humidity (%RH)	0 - 85

Power Amplifier	
System Model	SA7AM-J60S
Maximum Output [kVA]	76
Mass [kg]	3200



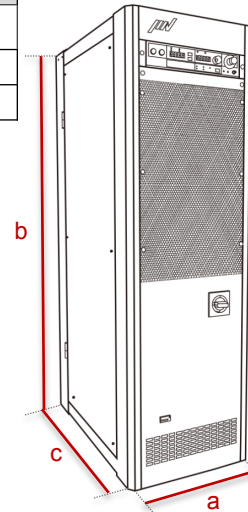
(P.C.D.100,160, 250, 400)

J260



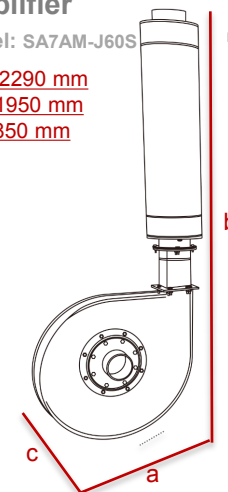
Shaker
Model: J260S

a: W 1657 mm
b: H 1319 mm
c: D 1100 mm
d: 920 φmm



Amplifier
Model: SA7AM-J60S

a: W 2290 mm
b: H 1950 mm
c: D 850 mm



Blower
Model:VAPE 710/N2

a: W 1160 mm
b: H 2405 mm
c: D 787mm