IMV VIBRATION TEST SYSTEMS **J series**

Air-cooled Vibration Test Systems J230/SA3HAG J230/EM3HAG

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.

ecs-shaker

2 User first principle

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



IMV CORPORATION

IMV VIBRATION TEST SYSTEMS Jseries

Air-cooled Vibration Test Systems
J230/SA3HAG
J230/EM3HAG

ator (J230)

17

200

2.200 700

1,800

2BGH3-

380

150

380/400/415/440

0.6 0-40

0-85

20

330

630/P2R1)

al Data



System Specification				Vibration Generato	
System Model		J230/ SA3HAG	J230/ EM3HAG	Armature Mass (kg)	
Frequency Range (Hz)		0-3,000	0-3,000	Armature Diameter (ϕ mm)	
Rated Force	Sine (kN)	16	16	Armature Resonance (Hz)	
	Random (kN rms) *1	16	16	Allowance Eccentric Moment (Nm)	
	Shock (kN)	40	40	Mass (kg)	
	High Velocity Shock (kN) *4	-	30		
Maximum Acc.	Sine (m/s ²)	941	941	Power Amplifier 1B	
	Random (m/s² rms)	658	658	J	
	Shock (m/s ²)	2,000	2,000	Maximum Output (kVA)	
	High Velocity Shock (m/s ² peak) ^{*4}	-	1,764	Mass (kg)	
Maximum Vel.	Sine (m/s)	2.4	2.4		
	Shock (m/s peak)	2.4	2.4	Cooling (VAPC 630/F	
	High Velocity Shock (m/s peak)*4	-	3.5	Mass (kg)	
Maximum Disp.	Sine (mmp-p)	100	100	Environmental Da	
	High Velocity Shock (mmp-p)	-	100	Input Voltage Supply $(3\phi, V)$	
Maximum Travel (mmp-p)		120	120	Compressed Air Supply (Mpa)	
Maximum Load (kg)		300	300	Working Ambient Temperature Shaker (°C) Amplifier (°C)	
Power Requirements (kVA)*2		28	28		
Breaker Capacity (A) ^{*3}		50	50		

*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.

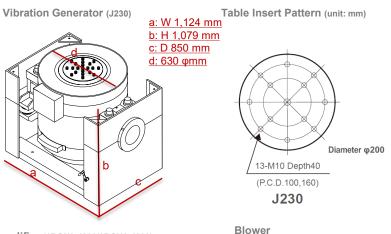
*4 For high velocity option

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

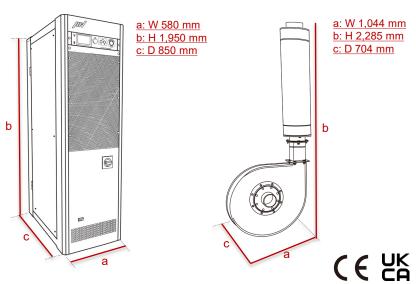
Continuous use at maximum levels may cause failure. Please contact IMV if your system operates at more than 70%.

*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.



Amplifier (1BGH3-J230/2BGH3-J230)



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