## IMV VIBRATION TEST SYSTEMS **J series**

## IMV-Smart<sup>™</sup> ECO-Shaker

# Air-cooled Vibration Test Systems J250/EM5HAG

Long-duration shock tests require high velocity and large displacement. J-series is a high-frequency system that offers usability and durability while accommodating high velocity and displacement testing.

[Expanded maximum test range]

Maximum velocity of Sine force: 94 in/s, Maximum velocity of Shock force 137 in/s, Maximum displacement: 4.0 inp-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 94 in/s and arge displacement of 4.0 inp-p.



#### PS guide system

## 2. Improvement of testing environment

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

ec<sub>s</sub>-shaker

#### 3. User first principle

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



#### **IMV CORPORATION**

## **IMV VIBRATION TEST SYSTEMS** Jseries

	System Specification	
Frequency Range (Hz)		0-2,200
Rated Force	Sine (lbf)	7,900
	Random (lbf rms) <sup>*1</sup>	7,900
	Shock (lbf)	15,800
	High Velocity Shock (lbf)*4	15,300
Maximum Acc.	Sine (g)	79
	Random (g rms)	55
	Shock (g peak)	159
	High Velocity Shock (g peak)*4	154
Maximum Vel.	Sine (in/s)	94
	Shock (in/s peak)	94
	High Velocity Shock (in/s peak)*4	137
Maximum Disp.	Sine (inp-p)	4.0
	High Velocity Shock (inp-p)*4	4.0
Maximum Travel (inp-p)		4.7
Maximum Load (lbs)		1,320
Power Requirements (kVA)*2		53
Breaker Capacity (A) <sup>*3</sup>		100

IMV-Smar	t™
ECO-Shaker	

### **Air-Cooled Vibration Test Systems** J250/EM5HAG

b

Vibratio	on Generator (J250)	
Armature Mass (lbs)	99.2	
Armature Diameter (	17.3	
Armature Resonance	1,700	
Allowance Eccentric I	13,730	
Mass (lbs)	7,720	
Denner		-0)
Power An	nplifier (2□GH5-J2	50)
Maximum Output (kV	50	
Amplifier Bay	2	
Mass (lbs)	2,050	
Cooling B	lower (VAPE 710/P	2R)
Mass (lbs)	617	
Env	ironmental Data	
Input Voltage Supply	220/480	
Compressed Air Sup	102	
Working Ambient	Shaker (°F)	32-104
Temperature	Amplifier (°F)	32-104

\*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 220/480 V, 60 Hz. A transformer is required for other supply voltages.

\*3 Breaker capacity for 480 V.

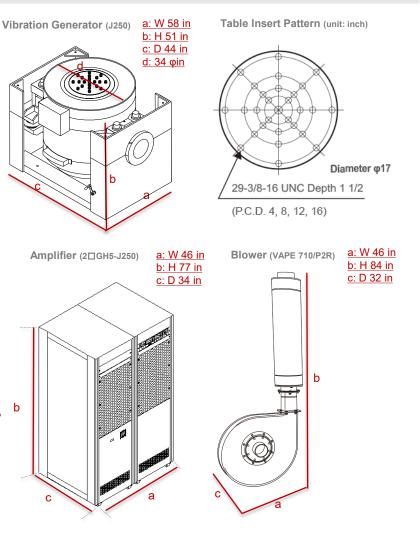
\*4 For high-velocity option

\*The alphabet of A, B, or C can be entered in D. A: Voltage AC200V system (200 to 230), B: Voltage AC400V system (380A to 440V), C: 480V system (480V to 520V)

\*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





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