



i-series Specifications

		System Model	i210/SA1M	i220/SA1M	i220/EM1AM
		Frequency Range (Hz)	0-4000	0-3300	0-3300
System Specifications	Rated Force	Sine (kN)	3	8	8
		Random (kN rms) ^{*1}	3	8	8
		Shock (kN)	9	16	16
		High Velocity Shock ^{*5} (kN)	-	-	10
	Maximum Acc.	Sine (m/s ²)	1000	1250	1250
		Random (m/s ² rms)	700	875	875
		Shock (m/s ² peak)	2000	2000	2000
		High Velocity Shock ^{*5} (m/s ² peak)	-	-	1562
	Maximum Vel.	Sine (m/s)	2.2	2.2	2.2
		Shock (m/s peak)	2.2	2.2	2.2
		High Velocity Shock ^{*5} (m/s peak)	-	-	3.5
	Maximum Dsp.	Sine (mmp-p)	30	51	51
		High Velocity Shock ^{*5} (mmp-p)	-	-	51
			Maximum Travel (mmp-p)	40	60
		Maximum Load (kg)	120	200	200
		Power Requirements (kVA) ^{*2}	6.8	16.4	16.4
		Breaker Capacity (A) ^{*3}	15	30	30
Vibration Generator	Model		i210	i220	i220
	Armature Mass (kg)		3	6.4	6.4
	Armature Diameter (φmm)		128	190	190
	Allowable Eccentric Moment (N·m)		160	294	294
	Dimensions (mm) W×H×D		868 × 700 × 458	1020 × 903 × 550	1020 × 903 × 550
	Shaker Body Diameter		458	550	550
	Mass (kg)		350	900	900
Power Amplifier	Model		SA1M-i10	SA1AM-i20	EM1AM-i20
	Maximum Output (kVA)		5	10	10
	Dimensions (mm) W×H×D		580 × 1950 × 850	580 × 1950 × 850	580 × 1950 × 850
	Mass (kg)		240	280	280
Controller	Vibration Controller		See Vibration Controller K2		
Cooling	Cooling Method		Air cooling		
	Blower	Dimensions (mm) W×H×D ^{*4}	600 × 1905 × 557	808 × 2085 × 733	808 × 2085 × 733
		Mass (kg)	45	85	85
		Wattage (kw)	0.4	1.5	1.5
		Duct Hose Diameter (φ)	125	125	125



- *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 400 V
- *4 Spec described above is in case of 50Hz. Dimension is changed in case of 60Hz.
- *5 In case of high velocity option

- * 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. Please contact IMV if you use more than 70 %.
- * 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.
- * Armature mass and acceleration may change when chamber is combined.