IMV VIBRATION TEST SYSTEMS

m series

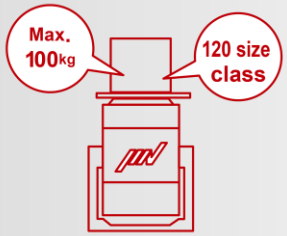
Low Acoustic Noise
Air-Cooled Vibration Test Systems

m130LS/MA1-CE

m130LS is easy to operate and can be installed by yourself.
Test file will be automatically generated just on selection of the test condition defined by the test standard when you use “Launcher software”.*
When you use Non-Gaussian software you can precisely reproduces non-Gaussian vibration such as transportation vibration with large spikes.* * When using K2 controller

1. Supports a wide range of tests despite its small size

Despite its small size, it is possible to test packages of Maximum 100 kg, 120 size class under various conditions defined by official standards such as ISO, JIS, ASTM, and Amazon transportation test standards. The amplitude is larger than the conventional m-series.

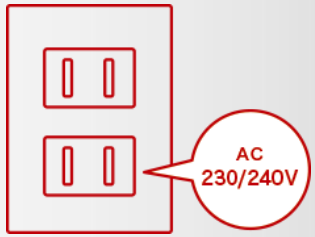


2. Realization of testing time reduction

With the launcher software, a test file is automatically generated just on selection of the test condition defined by the test standard. Similarly, in the case of specified test conditions, the test conditions can be saved and reproduced easily, and the test time can be shortened.
* When using K2 contoller

3. Can be installed anywhere

It is available in single-phase AC230 V or 240V.



IMV CORPORATION

 Revision March 2023

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System Specification		
Frequency Range (Hz) *1		2-1,000
Rated Force	Sine (N)	1,300
	Random (N rms)	650
	Shock (N)	1.300
Maximum Acc.	No Load (m/s^2)	130
	0.5 kg Load (m/s^2)	123
	1.0 kg Load (m/s^2)	118
Maximum Velocity (m/s)		1.0
Maximum Displacement (mmp-p)		51
Maximum Load (kg)		100
Power Requirements (kVA) *2		1.1

Vibration Generator (m130LS-CE)	
Armature Support Method	Air Suspension
Armature Mass (kg)	10
Armature Diameter (ϕmm)	180
Mass (kg)	250

Power Amplifier (MA1-CE)	
Maximum Output (kVA) *2	1.0
Mass (kg)	25
Cooling Method	Air cooling
External Cables (m) *3	3

Cooling	
Blower	Housed in vibration generator

Environmental Data		
Power Requirement (kVA) *2		1.1
Input Voltage Supply (1ϕ, V) *2		100V or 200-240 V ±10% 50/60 Hz
Working Ambient Condition	Temperature (℃)	0-24
	Humidity (%RH)	0-85

*1) Frequency range values vary according to sensor and vibration controller.
*2) Power supply: single-phase 100 V or 200-240 V, 50/60 Hz. A transformer is required for other supply voltages.
*3) Longer external cables are provided as an option.

Vibration Generator (m120-CE)

a: W 410 mm
b: H 592 mm
c: D 460 mm
d: 180 φmm

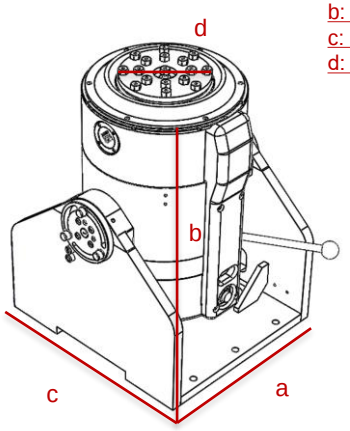
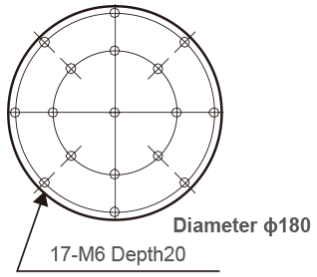


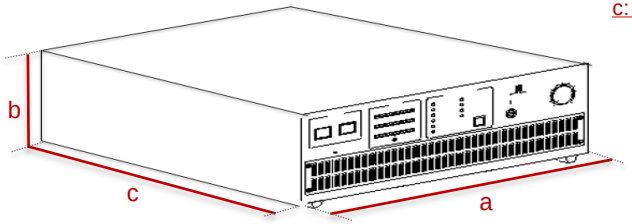
Table Insert Pattern (unit: mm)



m130LS-CE

Amplifier (MA1-CE)

a: W 430mm
b: H 149mm
c: D 430mm



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