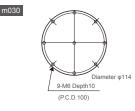
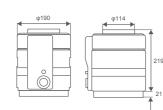
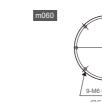
Specifications

		System Model	m030 / MA1	m060/MA1	m120/MA1	m030H/MA1(High frequency type)	
Image Picture				jul .	Just 1		
	Fre	equency Range (Hz) *1	0 to 3000	0 to 3000	0 to 2000	1000 to 10000	
	Force	Sine (N)	300	600	1200	380	
	ed Fc	Random (N rms)	210	420	840	266	
Suc	Rated	Shock (N)	300	600	1200	380	
Specifications	Acc.	No load (m/s²)	500	500	500	200	
ecifi	mnm	0.5kg Load (m/s ²)	272	352	413	158	
Sp	Maxi	1.0kg Load (m/s ²)	187	272	352	131	
System	Ма	aximum Velocity (m/s)	1.6	1.6	1.6	- *2	
Sys	Ма	aximum Displacement (mmp-p)	26	30	30	_*2	
		aximum Load(kg)	15	15	120	15	
	Po	wer Requirements(kVA) *3	0.4	0.7	1.1	0.2	
_	Мо	odel	m030	m060	m120	m030H	
Generator	Arr	mature Support Method	Diaphragm spring	Diaphragm spring	Diaphragm spring	Rubber spring	
3ene	Arr	mature Mass(kg)	0.6	1.2	2.4	1.9	
tion	Arr	mature Diameter(φmm)	114	114	174	65 φ190 x H274	
/ibration	Dir	mensions(mm)	φ190 x H240	φ230 x H281	410 x 410 x H372		
	Ма	ass(kg)	22	40	110	22	
	М	odel	MA1	MA1	MA1	MA1	
Amplifier	Ма	aximum Output(kVA)	1.0	1.0	1.0	1.0	
	Dir	mensions(mm) W x H x D	430 x 149 x 430				
Power	Ма	ass(kg)	25	25	25	25	
	Со	oling Method	Air cooling	Air cooling	Air cooling	Air cooling	
Coding	Blo	ower	Housed in vibration generator				





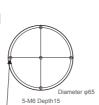




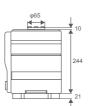




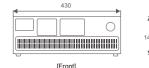
















http://www.imv-global.com/









m-series supports your mechanical design and development

Low Acoustic Noise and Compact Range M-series **Silent** Multi-**Small** purpose type

Silent type appropriate for abnormal noise inspection

^{*1)} Frequency range values vary according to sensor and vibration controller.
*2) The displacement at the lower limit of frequency (1000Hz) and maximum acceleration (200m/s2) is so small that there is no certified value
*3) Power supply: single-phase 100V or 200-240V, 50/60Hz. A transformer is required for other supply voltages.

m-series system composition





Vibration generator

Power amplifier MA1

Accessories

A pair of carrying handle Easily moved safely by one or tw operators. movable m030 and m060 only

▶ Air pump

The vibration table height is adjusted to compensate for payload weight using an





Option



Model	Dimensions (mm)					m120
TBV-125-□-A	125×125×t20	0.9	~2000	0	0	
TBV-200-□-A	200×200×t20	2.5	~1500	0*	0	0
TBV-315-□-A	315×315×t30	8.5	~1000		0*	0
)TBV-400-□-A	400×400×t35	14.4	~600			O

- "-A" at the end of model number shows that material is aluminum allow.
- Add the vibration generator type where "

 " is shown. * The supplementary guidance system using linear bearings is used with the vibratio generator when combined with the head expander.



▶ Slip table 7.5 7.5 315×315

Vibration controller



The K2 controller provides the precision and repeatability required to test with confedence during both product development and series production



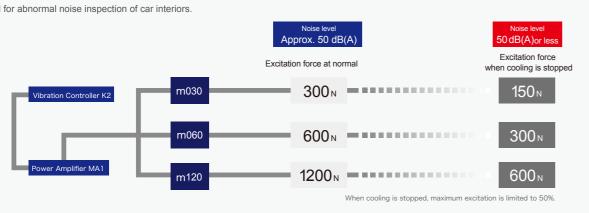
Function Generator



System which generate AC voltage signal which obtains frequency and waveform. Normally it is used for the case without feedback control.

> Silent design employing a built-in cooling fan

With changing over switch on power amplifier MA1, DC powered cooling fan build in shaker can be stopped. By stopping a cooling fan, it can be used for abnormal noise inspection of car interiors.



Compact and silent design, but also powerful for full-scale test

Case study with m-series



Automotive parts test

Vibration testing for automotive parts is possibile.



Squeak & Rattle test

When combining the shaker with a half anechoic room, 3D squeak rattle testing in an environment with a background noise level of less than 30dB is



Seat test

Evaluation test for squeak and



Rattle test for instrument panels

6-DOF vibration test system with 8 compact silent type. Shakers for squeak and rattle acoustic noise evaluation of instrument



High frequency vibration testing for EV·HV related products



Electric parts test

Drive shaft

through gear

Acoustic noise testing at the same

frequency range as real field by

Vibration testing for small electronic product such as connecter, condenser, sensor, resistance, LED



Vibration analysis by

applying vibration with

Fatigue test of copper plate

Especially developed for the fatigue testing of copper plate by customising a compact shaker from IMV's m-series. Simultaneous testing of 12 sheets of copper plate is possible with this compact system.



Earthquake resistance test

Vibration testing with specimen for earthquake resistance testing mounted on a 400mm×400mm slip table.



Transport test

Transportation testing for small and packaged product (Standard: JIS, IEC, MIL, ASTM etc)

