



IMV VIBRATION
TEST SYSTEMS

A series

Air cooled Vibration Test Systems

A22/SA2HAM
A22/EM2HAM



A series is the “new standard” in vibration testing, with a solid test performance. A series increases the relative excitation force and has a displacement of 76.2 mmp-p (3 inch stroke) which gives good balance between specification of velocity, acceleration and displacement. It also provides a maximum of 3.5m/s shock velocity testing, which responds to the demand in lithium battery testing. Rapid creation of a test from a set of pre-defined templates conforming to most international test standards. Simply select the standard required to generate the main test settings.

① Improvement of performance

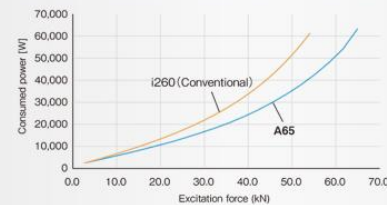
Expansion of test case and respond to high spec. test
Meet the needs for versatile test use.

- Improvement in excitation force
- Standard 76.2mm displacement
- Expansion in frequency range
- Crosstalk reduction
- High velocity shock test

② User friendly and security

Aware of security and functionality and realizes more energy-saving.

Comparison of Consumed power per excitation force A65 vs I260



③ User first principle

Intuitive interface leads the operator with user-friendly guidance.





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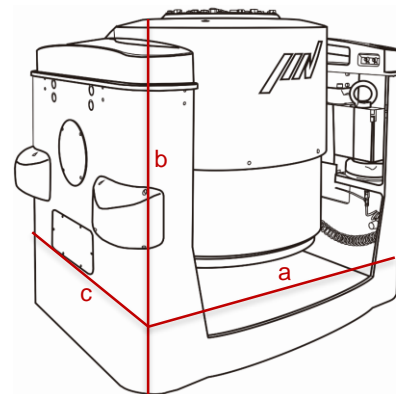


System Specifications			
System Model	A22/SA2HAM	A22/EM2HAM	
Freq. Range (Hz)	0-3300	0-3300	
Force	SINE (kN)	22	22
	RANDOM (kN rms)	22	22
	SHOCK (kN)	44	44
	High Velocity SHOCK (kN)	-	36
Max. Acc.	SINE (m/s ²)	1000	1000
	RANDOM (m/s ² rms)	630	630
	SHOCK (m/s ²)	2000	2000
	High Velocity SHOCK (m/s ²)	-	1636
Max. Vel.	SINE (m/s)	2.0	2.0
	SHOCK (m/s peak)	2.5	2.5
	High Velocity SHOCK (m/s peak)	-	3.5
Max. Disp.	SINE (mmp-p)	51	51
	High Velocity SHOCK (mmp-p)	-	55
	MAX. TRAVEL (mmp-p)	64	64

Vibration Generator (A10)	
Armature Mass (kg)	22
Armature Diameter (φ mm)	280
Armature Resonance (Hz)	2600
Allowance eccentric moment (N.m)	700
Maximum Payload (kg)	300
Mass (kg)	1600

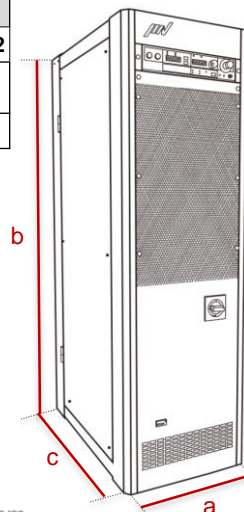
Cooling			
Model	VAPE/N 560/2R		
Mass (kg)	150		
Cooling Air Flow (m ³ /min)	20		
Environmental Data			
Power Requirement (kVA)	30		
Input voltage supply (3 φ, V)	200/220 or 380/400/415/440		
Compressed Air Supply (Mpa)	0.6		
Working Ambient Temperature	Shaker (°C)	0 - 40	
	Amplifier (°C)	0 - 40	

Power Amplifier			
Model	SA2HAM-A22	EM2HAM-A22	
Max. Output [kVA]	24	24	
Mass [kg]	350	410	



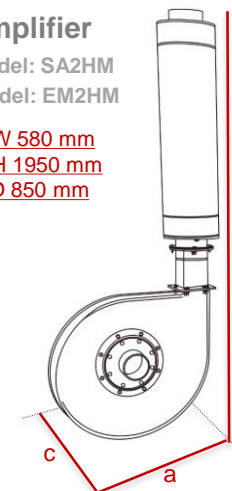
Shaker
Model: A20

a: W 1038 mm
b: H 920 mm
c: D 775 mm



Amplifier
Model: SA2HM
Model: EM2HM

a: W 580 mm
b: H 1950 mm
c: D 850 mm



Blower
Model: VAPE/N 560/2R

a: W 929 mm
b: H 2175 mm
c: D 534 mm

