

Air cooled Vibration Test Systems A74 / EM8HAM A74 / EM10HAM

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.

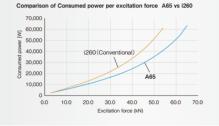
① Improvement of performance

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.



③User first principle

Intuitive interface leads the operator with user-friendly guidance.



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Air cooled Vibration Test Systems

A74 / EM8HAM A74 / EM10HAM



System Specifications					
System Model			A74/EM8HAM	A74/EM10HAM	
Frequency Range (Hz)			0-2600*3	0-2600*3	
Rated Force	Sine	(kN)	74	74	
	Random	(kN rms) *1	74	74	
	Shock	(kN)	148 (120) ^{*4}	180 (160) ^{*4}	
Maximum Acc.	Sine	(m/s ²)	1000	1000	
	Random	(m/s²rms)	630	630	
	Shock	(m/s ²)	1500	1500	
Maximum Vel.	Sine	(m/s)	2.0	2.0	
	Shock	(m/s peak)	2.5 (3.5) ^{*4}	2.5 (3.5) *4	
Maximum Disp.	Sine	(mm p-p)	76.2	76.2	
	Maximur	n Travel (mm p-p)	82	82	

Vibration Generator (A74)				
Armature Mass	(kg)	74		
Armature Diameter	(<i>ф</i> mm)	446		
Shaker Body Diameter	(<i>ф</i> mm)	925		
Armature Resonance	(Hz)	1770		
Allowance Eccentric Morr	1550			
Maximum Payload	(kg)	1000		
Stray Field	(mT)	80		
Mass	(kg)	3500		

*1) Force ratings are specified in accordance with ISO5344 conditions.

*2) Power supply: 3-phase 380/400/415/440 V, 50/60 Hz. A transformer is required for other supply voltages.

*3) Above 2000 Hz, the force rolls-off at a rate of -12 dB/oct.

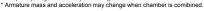
*4) Maximum velocity 4.6 m/s. High velocity restricts maximum Shock force

* The specification shows the maximum system performance.

F or long-duration tests, de-rating by up to 70 % must be applied. Continuous use at maximum levels may cause failure. * In the case of Random vibration test, please set the test definition of the peak value of acceleration

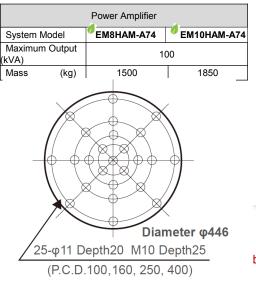
waveform to be operated less than the maximum acceleration of Shock.

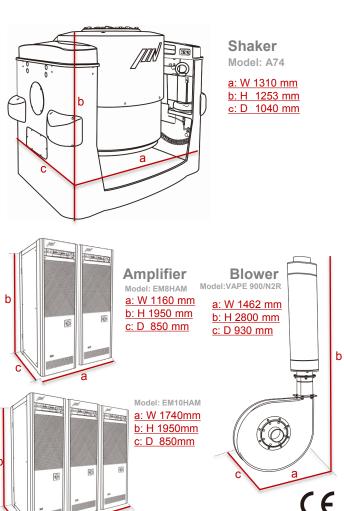
* Frequency range values vary according to sensor and vibration controller.



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Cooling					
System Model		VAPE 900/N2R			
Mass	(kg)	320			
Cooling Air Flow	(m³/min)	70			
Envionmental Data					
Power Requiremen	t (kVA) *2	100			
Input Voltage Supp	ly $(3\phi, V)$	380/400/415/440			
Compressed Air Su	0.7				
Working Ambient Temperature	Shaker (°C)	0 - 40			
	Amplifier (°C)	0 - 40			





unit: mm

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