

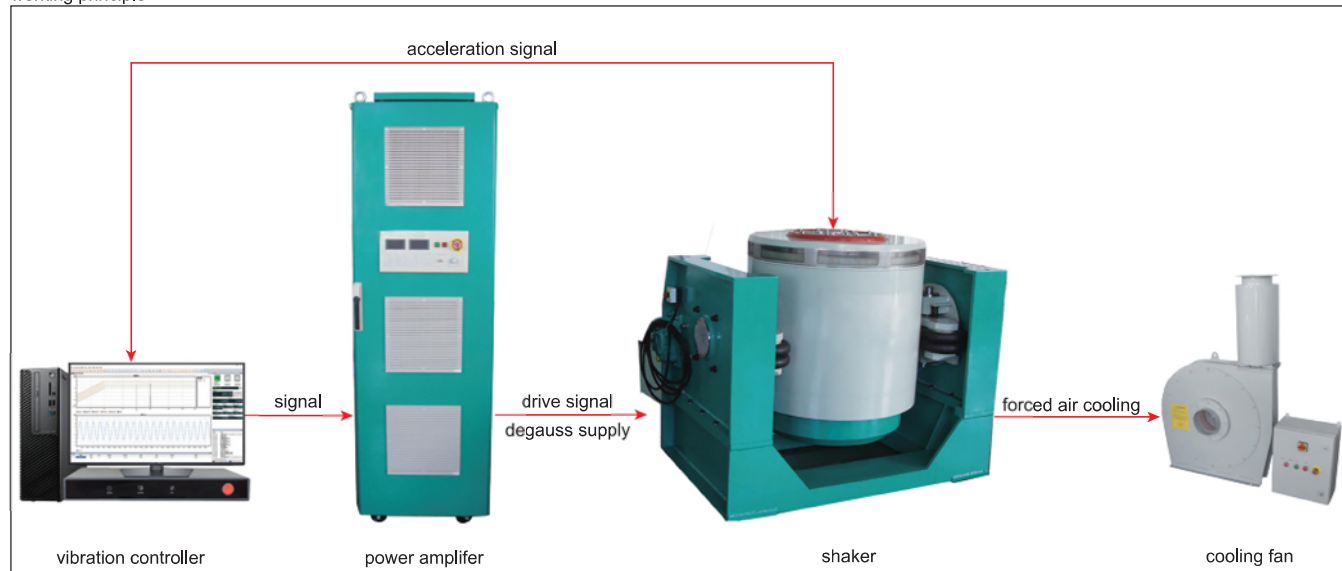
ELECTRODYNAMIC VIBRATION SYSTEMS

- According to ISO 5344
- Suitable for a variety of typical vibration and simulated transport tests for small and medium-sized automotive part, electronic component, household appliance and so on
- Light weight and good rigidity, high first-order resonant frequency
- High-efficiency, low-noise fan cooling, long-time continuous operation
- Power amplifier modular design, complete system interlocking protection function

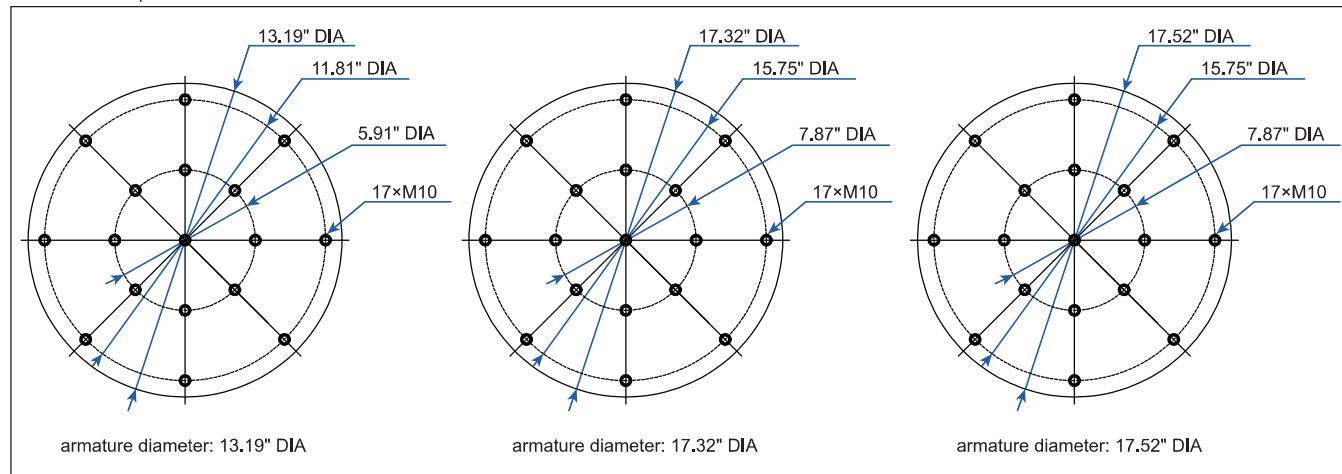


EDV-AC2400-U

working principle



armature insert pattern



SPECIFICATION*

Part No.		EDV-AC1100-U	EDV-AC2400-U	EDV-AC3000-U	EDV-AC4000-U	EDV-AC5000-U
System parameter	rated sine/random force	1100kgf	2400/2200kgf	3000kgf	4000kgf	5000kgf
	shock force	3300kgf	4800kgf	6000kgf	8000kgf	10000kgf
	frequency range	5Hz~3500Hz				5Hz~2800Hz
	Max. acceleration	85g	100g			
	Max. velocity	2.0m/s				
	Max. displacement (P-P)	51mm				
	Max. load	661.4lb			1102.3lb	2204.6lb
Shaker	armature diameter	13.19" DIA			17.32" DIA	17.52" DIA
	armature resonance	3000Hz±5%	2600Hz±5%	2500Hz±5%		2400Hz±5%
	effective armature mass	28.7lb	52.9lb	66.1lb	110.2lb	
	inserts size	M10				
	load attachment points	17				
	natural frequency	<3Hz (thrust axis)				
	stray magnetic field	≤1mT (at 5.98" above table)				
	dimension	37.0×28.1×30.7"	45.7×34.6×41.3"	50.0×38.6×44.7"		50.0×44.5×50.4"
Power amplifier	weight	2204.6lb	3747.8lb	5511.6lb		9920.8lb
	rated output capacity	10KVA	20KVA	30KVA	40KVA	50KVA
	signal to noise ratio	≥75dB	≥65dB			
	amplifier efficiency	≥90%				
	system protection	multiple				
	dimension	24.0×35.4×61.0"	24.0×35.4×78.7"			
Cooling fan	weight	881.8lb	1014.1lb	1102.3lb	1146.4lb	1234.6lb
	power	4KVA	7.5KVA		15KVA	
	air flow	699.2CFM	974.7CFM		2330.8CFM	
	air pressure	.51psi	1.28psi		1.12psi	
	air duct diameter/length	4.72" DIA×157.5"	7.87" DIA×177.2"			
	dimension	24.0×29.5×57.1"	27.6×37.4×59.1"		41.3×35.3×77.6"	
	weight	264.6lb	396.8lb		705.5lb	
Operation temperature		temperature: 32°F~104°F				
Operation humidity		humidity: 0%RH~90%RH (non-condensing)				
System power supply		3φ, AC 480V±10%, 60Hz				
System power		22KVA	42KVA	56KVA	76KVA	95KVA
Compressed air requirement		87.0psi				

*Can be customized according to test requirements

STANDARD DELIVERY

Main unit	shaker	1 pc
	amplifier	1 pc
	cooling fan	1 pc

OPTIONAL ACCESSORY**

Vibration controller	customizable
Accelerometer	
Head expander	
Slip table	
Automatic reversing device	
Fixture	
Heat insulation board	
Temperature and humidity chamber	

**Can be customized according to test requirements