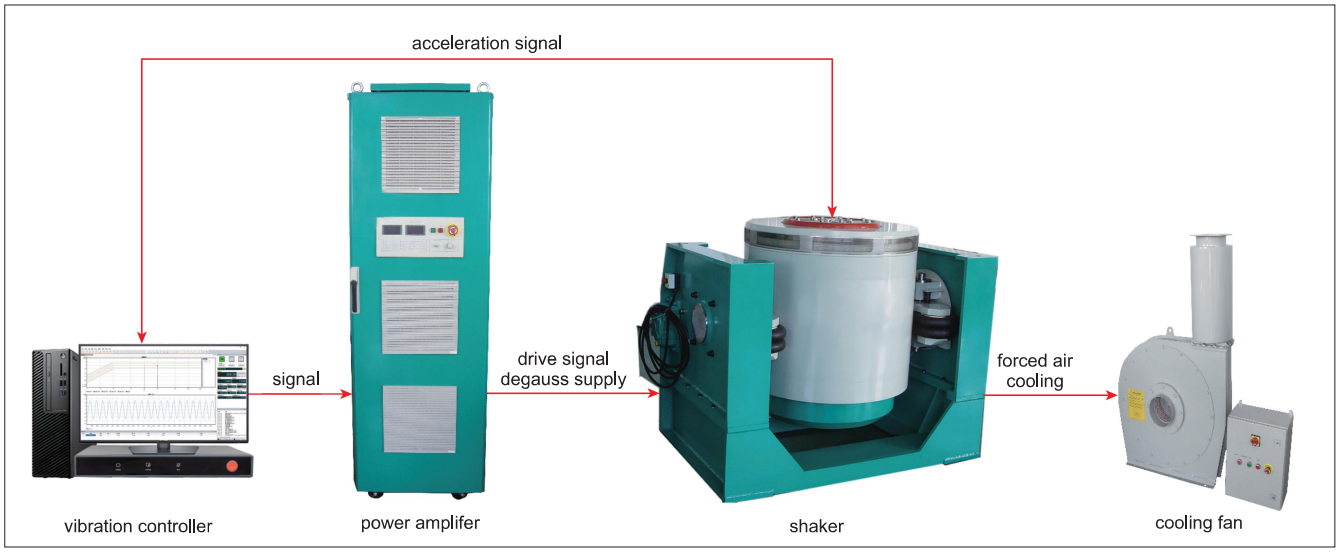
ELECTRODYNAMIC VIBRATION SYSTEMS

- 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

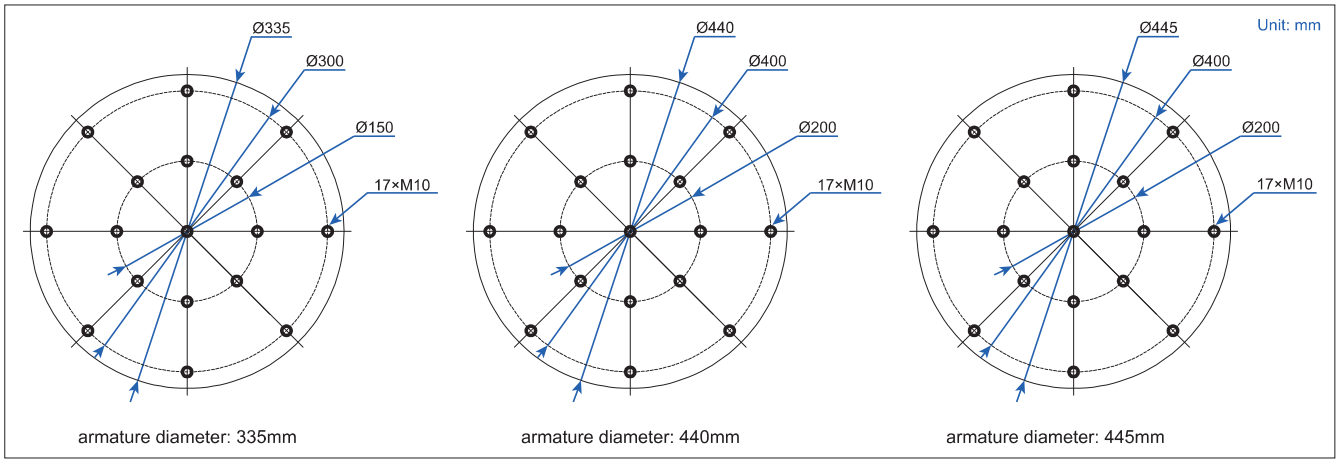


EDV-AC2400

working principle



armature insert pattern



SPECIFICATION*

Code		EDV-AC1100	EDV-AC2400	EDV-AC3000	EDV-AC4000	EDV-AC5000
System parameter	rated sine/random force	1100kgf	2400/2200kgf	3000kgf	4000kgf	5000kgf
	shock force	3300kgf	4800kgf	6000kgf	8000kgf	10000kgf
	frequency range	5Hz~3500Hz	5Hz~3000Hz			5Hz~2800Hz
	Max. acceleration	85g	100g			
	Max. velocity	2.0m/s				
	Max. displacement (P-P)	51mm				
	Max. load	300kg		500kg		1000kg
Shaker	armature diameter	335mm		440mm		445mm
	armature resonance	3000Hz±5%	2600Hz±5%	2500Hz±5%		2400Hz±5%
	effective armature mass	13kg	24kg	30kg		50kg
	inserts size	M10				
	load attachment points	17				
	natural frequency	<3Hz (thrust axis)				
	stray magnetic field	≤1mT (at 152mm above table)				
	dimension	940×715×780mm	1160×880×1050mm	1270×980×1135mm		1650×1130×1280mm
	weight	1000kg	1700kg	2500kg		4500kg
Power amplifier	rated output capacity	10KVA	20KVA	30KVA	40KVA	50KVA
	signal to noise ratio	≥75dB	≥65dB			
	amplifier efficiency	≥90%				
	system protection	multiple				
	dimension	610×900×1550mm	610×900×2000mm			
	weight	400kg	460kg	500kg	520kg	560kg
Cooling fan	power	4KVA	7.5KVA		15KVA	
	air flow	0.33m^3/s	0.46m^3/s		1.1m^3/s	
	air pressure	0.0035 (MPa)	0.0088 (MPa)		0.0077 (MPa)	
	air duct diameter/length	Ø120×4000mm	Ø200×4500mm			
	dimension	610×750×1450mm	700×950×1500mm		1050×897×1970mm	
	weight	120kg	180kg		320kg	
Operation temperature		temperature: 0°C~40°C				
Operation humidity		humidity: 0%RH~90%RH (non-condensing)				
System power supply		3Ø AC 400V±10%, 50/60Hz				
System power		22KVA	42KVA	56KVA	76KVA	95KVA
Compressed air requirement		0.6MPa				

*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