



Technical Parameters

Electro-dynamic Shaker

Standard Model - DC Series (Air-cooled)



Standard air-cooled electro-dynamic vibration system is suitable for a variety of typical vibration for auto parts, electronic components, aerospace products stress screening, and simulation test requirements.

Features

- Upper and lower guidance structure, high anti-overturning, good guidance ability, wide working frequency
- Center spring loading structure, high payload capacity
- Air-spring isolation design, lower resonance frequency of shaker body
- Dual magnetic structure, lower stray flux density
- Frameless armature, much lighter, good rigid, high first-resonance frequency
- A full range of protection function, convenient repair and maintenance

Model	DC-100-2	DC-200-3	DC-300-3	DC-600-6	DC-1000-15	DC-2200-26	DC-3200-36	DC-4000-40	DC-5000-50	DC-6000-60	DC-7500-80
Usable Frequency Range (Hz)	2 ~ 4500	2 ~ 4500	2 ~ 5000	2 ~ 5000	2 ~ 3500	2 ~ 3000	2 ~ 2500	2 ~ 2800	2 ~ 2700	2 ~ 2500	2 ~ 2400
Rate Sine Force (kN)	0.98	1.96	2.94	5.88	9.8	21.56	31.36	39.2	49	58.8	73.5
Max Acceleration (m/s ²)	490	980	980	980	980	980	980	980	980	980	980
Max Velocity (m/s)	2	2	2	2	2	2	2	2	2	2	2
Max Displacement (mm)	25	25	40	51	51	51*	51*	76	51*	51*	76
Max Static Payload (kg)	70	70	120	200	200	300	500	500	1000	1000	1000
Vibrator	DC-100	DC-200	DC-300	DC-600	DC-1000	DC-2200	DC-3200	DC-4000	DC-5000	DC-6000	DC-7500
Effective Armature Mass (kg)	2	2	3	6	10	22	32	40	49	58	75
Armature Diameter (φmm)	110	110	150	200	240	320	400	400	445	445	445
Cross-axial Allowable Eccentric moment (N×m)	196	196	196	300	300	490	490	490	980	980	980
Dimensions uncrated (W x H x D) (mm)	660×630×530		720×660×540		900×810×570		1200×1120×900		1650×1180×1060		1580*980*1220
Amplifier weight uncrated (kg)	410	410	454	620	1150	1600	2150	3000	3800	3800	5500
Power Amplifier	SA-2	SA-3	SA-3	SA-6	SA-15	SA-26	SA-36	SA-40	SA-50	SA-60	SA-80
Rated Power Output (kVA)	2	3	3	6	15	30	40	40	50	60	80
Dimensions uncrated (W x H x D) (mm)	550×950×850					550×1750×850			550×1850×850		
Amplifier weight uncrated (kg)	230	230	230	240	290	410	450	450	650	680	850
Working Method	Switching					Switching					
Amplifier Required Power (kVA)	3.5	4.5	5.5	12	19	35	45	52	65	72	90
Cooling Method	Air-cooled										
Blower Model Number	FJ-200			FJ-1000		FJ-3000		FJ-5000		FJ-6000	FJ-8000
Flow (m ³ /min)	4			20		40		56		78	90
Pressure (Pa)	2100			3102		5390		5816		9800	12000
Power Requirements (kW)	0.75			4		7.5		15		22	37
System Required Power (kVA)	4.2	5.2	6.2	16	23	42	52	67	80	94	115

Note: 1. “*” indicates the system displacement can be expand to 76mm (p-p).

2. Parameters are subject to change upon request.