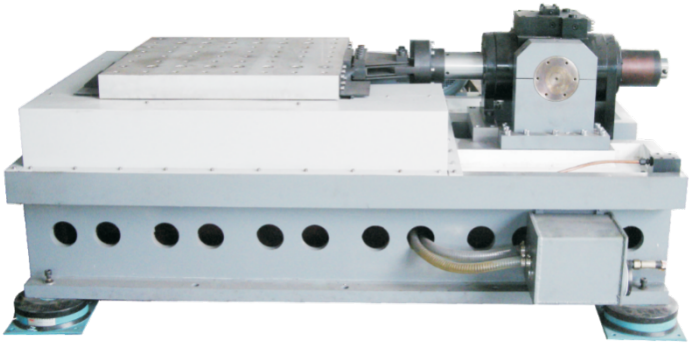
Technical Parameters

Hydraulic Vibration System



Hydraulic vibration system is widely used in the vibration test of automobile road simulation, large mechanical and electrical products, vibration characteristics and modal testing research of buildings, dams and bridges, earthquake research.

Main use feature

- Has Low working frequency, large carrying capacity, and long-stroke. Main technical features
- Large vertical working table uses load auxiliary guide structure, has strong resistance of deflecting load
- Slip table adopts hydrostatic bearings, has large payload capacity and good anti-overturning performance
- Horizontal connector is multilayer spring steel plates, and has excellent capability of self-adjusting gap.
- Servo cylinder is a hydrostatic guide double rob servo cylinder with the advantages of smaller damping, more sensitive response, less wear and longer service life. Compared with the single rob cylinder, double rob cylinder have better waveform reproduction capability and higher resistance of deflection load performance.

Parameters & Model	ES-1	ES-3	ES-5	ES-10	ES-15	ES-30
Max. Sine Force (kN)	10	30	50	100	150	300
Frequency Range (Hz)	0.1 ~ 180	0.1 ~ 160	0.1 ~ 150	0.1 ~ 130	0.1 ~ 120	0.1 ~ 80
Max. Payload (kg)	300	500	1000	2000	3000	6000
Max. Acceleration (Vertical) (m/s²)	40	40	40	40	40	40
Max. Acceleration (Horizontal) m/s²)	40	40	40	40	40	40
Max. Velocity (m/s)	0.5	0.5	0.5	0.5	0.5	0.5
Max. Displacement (mm)	100	100	100	100	100	100
Working Table Dimensions (mm)	600×600	600×600	800×800	1000×1000	1200×1200	1500×1500
Vertical system Dimensions (L×W×H) (mm)	600×600×700	600×600×700	800×800×1000	1000×1000×1250	1200×1200×1350	1500×1500×1500
Uncrated Weight (Vertical) (kg)	800	1500	2500	3000	3500	4500
Horizontal system Dimensions (L×W×H) (mm)	1850×850×850	1850×850×850	2050×1000×850	2300×1300×850	2800×1500×1000	3000×1800×1200
Uncrated Weight (Horizontal) (kg)	3000	3500	5500	8000	9000	10000
Consumed Power (kw)	15	30	45	90	130	235
Cooling Water Volume (t)	3	6	10	20	30	50

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Parameters & Model	EY-1	EY-3	EY-5	EY-10
Max. Sine Force (kN)	10	30	50	100
Frequency Range (Hz)	0.1 ~ 180	0.1 ~ 160	0.1 ~ 150	0.1 ~ 130
Max. Payload (kg)	300	500	1000	2000
Max. Acceleration (Vertical) (m/s²)	40	40	40	40
Max. Acceleration (Horizontal) (m/s²)	40	40	40	40
Max. Velocity (m/s)	0.5	0.5	0.5	0.5
Max. Displacement (mm)	100	100	100	100
Working Table Dimensions (mm)	600×600	600×600	1000×1000	1200×1200mm
Dimensions (L×W×H) (mm)	2000×850×1600	2500×850×1700	2800×1300×1700	3300×1500×1700
Uncrated Weight (kg)	4000	6000	8000	10000
Consumed Power (kw)	15	30	45	75
Cooling Water Volume (t)	3	6	10	20

Note: Parameters are subject to change upon request.

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