

FC Series Vibration Testing System

Large Water-cooled



The FC series is a large system most suitable for testing a large specimen with high rated force. Because the water-cooled type is more efficient than the air-cooled, a larger rated force can be generated. It copes with vibration tests for large electronic equipment, automobile parts, airplane parts, airborne electronic apparatus, artificial satellites, aerospace and defense system. This series is designed to perform the vibration test specified in the military or international standards including MIL, NDS, ASTM, IEC, ISO, BS, JIS.



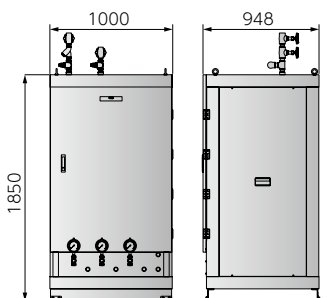
FC Series Specifications

Model	FC-060K/60	FC-080K/60	FC-100K/60	FC-200K/60
Rated Force	Sine	60	80	100
	Random	60	80	100
	Shock	150	200	250
Frequency range	Hz to 2000	to 2000	to 2000	to 2000
Max. acceleration	m/s ² 667	889	1000(★1)	1000(★1)
Max. velocity	m/s 1.8	1.8	1.8	1.78
Max. displacement	mm-p 60	60	60	51
Max. payload	kg 1000	1000	1000	2000
Input power	kVA 88	100	154	351.5
Armature Mass	kg 90	90	90	130
Allowable offset load	Nm 1500	1500	1500	5000
Cooling method	Water-cooled		Water-cooled	Water-cooled
Cooling water flow	L/min 140(★2)	162(★2)	305(★2)	688(★2)
Vibration Generator	9100-AWW/LA	9100-AWW/LA	9100-AWW/LA	9200-AWW/LA
Power Amplifier	368A-1610-3BAY100	368A-1612-3BAY100	368A-1614-3BAY100	368A-3232-200K
Console Rack	CRD-2000T	CRD-2000T	CRD-2000T	CRD-2000F-200K
Armature Size	mm φ450	φ450	φ450	φ590
Vib. Generator	mm 1489W×1338H×1149D	1489W×1338H×1149D	1489W×1338H×1149D	1905W×1348H×1473D
Power Amplifier	mm 1662W×2059H×1030.3D	1662W×2059H×1030.3D	1662W×2059H×1030.3D	3324W×2059H×1030.3D
Vib. Generator	kg 4800	4800	4800	8182
Power Amplifier	kg 1650	1650	1650	3950
Cooling Unit	kg 700	700	700	700

* Input power specification is for 3φ AC400 V 50/60 Hz. * Lower limit frequency should be determined by a performance of an available vibration control system.
(★1) Not a theoretical value, for limiting the maximum acceleration. (★2) The water temperature is 32°C.

Dimensions (approx.) mm

- Cooling Unit



Option

200 VAC 3-phase 50/60 Hz Input Power
Hydraulic Power Supply

- Chiller
- Transformer for Chiller

