

FL Series Vibration Testing System

Large Displacement



The FL series system expands the maximum displacement to 100 mm_{p-p}. In particular, it responds to the test condition of large displacement of less than 10 Hz.

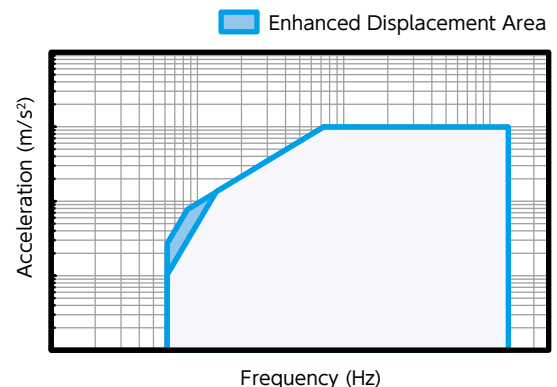
※The vibration controller is mounted in the console rack. (Optional)

FL Series Specifications

Model		FL-08K/100	FL-12K/100	FL-16K/100	FL-22K/100	FL-26K/100	FL-28K/100
Rated Force	Sine	kN _{0-p} 8.0	12.0	16.0	22.0	26.0	28.0
	Random	kN _{rms} 8.0	12.0	16.0	22.0	26.0	28.0
	Shock	kN _{0-p} 20	30	40	55	65	70
Frequency range		Hz to 2000	to 2000	to 2000	to 2000	to 2000	to 2000
Max. acceleration		m/s ² 320	480	640	647	765	667
Max. velocity		m/s 2.0	2.0	2.0	2.0	2.0	2.0
Max. displacement		mm _{p-p} 100	100	100	100	100	100
Max. payload		kg 200(300)(★1)	200(300)(★1)	200(300)(★1)	200(300)(★1)	200(300)(★1)	200(300)(★1)
Input power		kVA 23.5	27.6	31.8	35.9	39.0	45.3
Armature Mass		kg 25.0	25.0	25.0	34.0	34.0	42.0
Allowable offset load		Nm 350	350	350	500	500	700
Cooling method		Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled
Vibration Generator		916-AW/SLS	916-AW/SLS	916-AW/SLS	926-AW/SLS	926-AW/SLS	936-AW/SLS
Power Amplifier		369A-0502-16SLS	369A-0503-16SLS	369A-0504-16SLS	368A-0503-26SLS	368A-0504-26SLS	368A-0504-36SLS
Console Rack		CRD-2000-16	CRD-2000-16	CRD-2000-16	CRD-2000-26	CRD-2000-26	CRD-2000-36
Armature Size		mm φ230	φ230	φ230	φ270	φ270	φ330
Vib. Generator		mm 974W×1035H×700D	974W×1035H×700D	974W×1035H×700D	1082W×1163H×866D	1082W×1163H×866D	1125W×1200H×965D
Power Amplifier		mm 554W×2000H×1010D	554W×2000H×1010D	554W×2000H×1010D	554W×2000H×1010D	554W×2000H×1010D	554W×2000H×1010D
Blower		mm 707W×1681H×996D	707W×1681H×908D	707W×1681H×908D	707W×1681H×908D	707W×1681H×908D	869W×1856H×1094D
Mass approx.	Vib. Generator	kg 1300	1300	1300	2500	2500	3400
	Power Amplifier	kg 430	440	450	600	600	600
	Blower	kg 255	220	220	220	220	325

Model		FL-35K/100	FL-60K/100
Rated Force	Sine	kN _{0-p} 35.0	60.0
	Random	kN _{rms} 35.0	60.0
	Shock	kN _{0-p} 87.5	150
Frequency range		Hz to 2000	to 2000
Max. acceleration		m/s ² 833	750
Max. velocity		m/s 2.0	1.78
Max. displacement		mm _{p-p} 100	100
Max. payload		kg 200(300)(★1)	300
Input power		kVA 55.9	82.6
Armature Mass		kg 42.0	80.0
Allowable offset load		Nm 700	1000
Cooling method		Air-cooled	Air-cooled
Vibration Generator		936-AW/SLS	960-AW/SLS
Power Amplifier		368A-0505-36SLS	368A-1007-60SLS
Console Rack		CRD-2000-36	CRD-2000W-60
Armature Size		mm φ330	φ430
Vib. Generator		mm 1125W×1200H×965D	1452W×1297H×1231D
Power Amplifier		mm 554W×2000H×1010D	1108W×2000H×1010D
Blower		mm 869W×1856H×1094D	869W×2016H×1147D
Mass approx.	Vib. Generator	kg 3400	5000
	Power Amplifier	kg 600	1800
	Blower	kg 325	400

Comparison of Large Displacement System with Standard System



※This performance curve is how you look at each system for comparison.

※ Input power specification is for 3φ AC200 V 50/60 Hz.
 ※ Lower limit frequency should be determined by a performance of an available vibration control system.
 (★1) We will customize per your instructions.