

FH Series Vibration Testing System

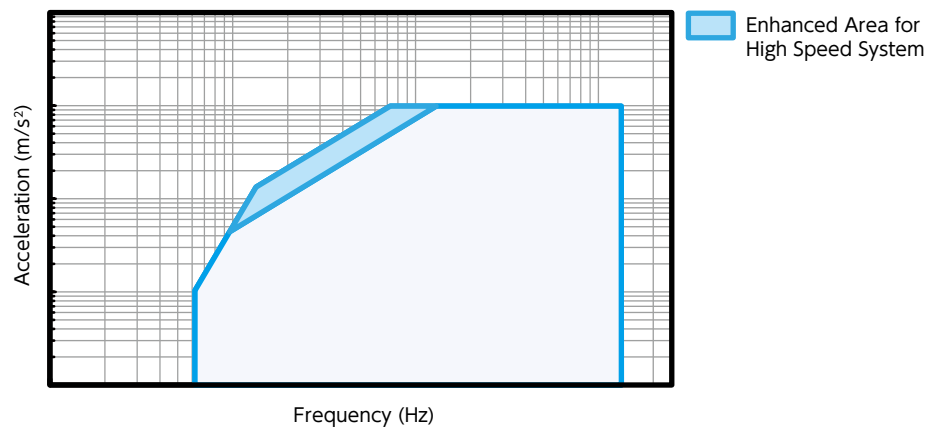
High Speed



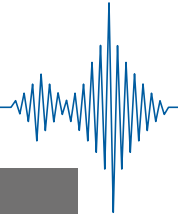
When higher acceleration levels are required, especially around the frequencies from 20 to 80 Hz, a vibration testing system that can simulate high velocity is necessary. The FH series system is suitable for such test condition.

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

■ Comparison of High Speed System with Standard System



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



FH Series Specifications

Model		FH-8K/51S	FH-10K/56	FH-15K/56	FH-08K/56	FH-12K/56	FH-16K/56
Rated Force	Sine	kN _{0-p} 8.5	10.0	15.0	8.0	12.0	16.0
	Random	kNrms 8.5	10.0	15.0	8.0	12.0	16.0
	Shock	kN _{0-p} 17	25	37.5	20	30	40
Frequency range		Hz to 3000	to 3000	to 2000	to 3000	to 3000	to 3000
Max. acceleration		m/s ² 850	667	1000	533	800	1000(★2)
Max. velocity		m/s 2.0	2.0	2.0	2.3	2.3	2.3
Max. displacement		mm _{p-p} 51	56	56	56	56	56
Max. payload		kg 350	200(300)(★1)	200(300)(★1)	200(300)(★1)	200(300)(★1)	200(300)(★1)
Input power		kVA 19.5	22.9	25.9	23.5	27.6	31.8
Armature Mass		kg 10.0	15.0	15.0	15.0	15.0	15.0
Allowable offset load		Nm 500	500	500	500	500	500
Cooling method		Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled
Model	Vibration Generator	S085-AW/LA	916-BW/LA	916-BW/LA	916-AW/LA	916-AW/LA	916-AW/LA
	Power Amplifier	369A-0202-085SF	369A-0502-16BW	369A-0503-16BW	369A-0502-16AW	369A-0503-16AW	369A-0504-16AW
	Console Rack	CRD-1500-085	CRD-2000-16	CRD-2000-16	CRD-2000-16	CRD-2000-16	CRD-2000-16
Size	Armature Size	mm φ230	φ230	φ230	φ230	φ230	φ230
	Vib. Generator	mm 797Wx775Hx635D	974Wx1035Hx700D	974Wx1035Hx700D	974Wx1035Hx700D	974Wx1035Hx700D	974Wx1035Hx700D
	Power Amplifier	mm 554Wx1502Hx814D	554Wx2000Hx1010D	554Wx2000Hx1010D	554Wx2000Hx1010D	554Wx2000Hx1010D	554Wx2000Hx1010D
	Blower	mm 411Wx810Hx525D	707Wx1681Hx908D	707Wx1681Hx908D	707Wx1681Hx908D	707Wx1681Hx908D	707Wx1681Hx908D
Mass approx.	Vib. Generator	kg 640	1200	1200	1200	1200	1200
	Power Amplifier	kg 300	520	520	430	440	520
	Blower	kg 60	220	220	220	220	220

Model		FH-22K/60	FH-26K/60	FH-28K/60	FH-33K/60	FH-35K/60	FH-40K/60
Rated Force	Sine	kN _{0-p} 22.0	26.0	28.0	33.0	35.0	40.0
	Random	kNrms 22.0	26.0	28.0	33.0	35.0	40.0
	Shock	kN _{0-p} 55	65	70	82.5	87.5	100
Frequency range		Hz to 2500	to 2500	to 2200	to 2200	to 2200	to 2200
Max. acceleration		m/s ² 846	1000	848	1000	1000(★2)	1000(★2)
Max. velocity		m/s 2.3	2.3	2.0	2.0	2.0	2.0
Max. displacement		mm _{p-p} 60	60	60	60	60	60
Max. payload		kg 400(500)(★1)	400(500)(★1)	400(500)(★1)	400(500)(★1)	400(500)(★1)	400(500)(★1)
Input power		kVA 35.9	39.0	45.3	49.6	55.9	64.6
Armature Mass		kg 26.0	26.0	33.0	33.0	33.0	36.0
Allowable offset load		Nm 700	700	900	900	900	900
Cooling method		Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled
Model	Vibration Generator	926-AW/LA	926-AW/LA	936-AW/LA	936-AW/LA	936-AW/LA	936-AW/LA
	Power Amplifier	368A-0503-26AW	368A-0504-26AW	368A-0504-36AW	368A-0505-36AW	368A-0505-36AW	368A-0606-36AW
	Console Rack	CRD-2000-26	CRD-2000-26	CRD-2000-36	CRD-2000-36	CRD-2000-36	CRD-2000-36
Size	Armature Size	mm φ270	φ270	φ330	φ330	φ330	φ330
	Vib. Generator	mm 1106Wx1135Hx880D	1106Wx1135Hx880D	1106Wx1135Hx880D	1125Wx1200Hx965D	1125Wx1200Hx965D	1125Wx1200Hx965D
	Power Amplifier	mm 554Wx2000Hx1010D	554Wx2000Hx1010D	554Wx2000Hx1010D	554Wx2000Hx1010D	554Wx2000Hx1010D	554Wx2000Hx1010D
	Blower	mm 707Wx1681Hx908D	707Wx1681Hx908D	946Wx1681Hx908D	946Wx1681Hx908D	869Wx1856Hx1094D	869Wx1856Hx1094D
Mass approx.	Vib. Generator	kg 2200	2200	3500	3500	3500	3900
	Power Amplifier	kg 600	600	600	600	600	600
	Blower	kg 220	220	260	245	325	325

Model		FH-43K/60	FH-51K/60	FH-60K/60
Rated Force	Sine	kN _{0-p} 43.0	51.0	60.0
	Random	kNrms 43.0	51.0	60.0
	Shock	kN _{0-p} 107.5	127.5	150
Frequency range		Hz to 2500	to 2500	to 2500
Max. acceleration		m/s ² 623	739	869
Max. velocity		m/s 1.78	1.78	1.78
Max. displacement		mm _{p-p} 60	60	60
Max. payload		kg 500	500	500
Input power		kVA 68.2	72.2	82.6
Armature Mass		kg 69.0	69.0	69.0
Allowable offset load		Nm 1200	1200	1200
Cooling method		Air-cooled	Air-cooled	Air-cooled
Model	Vibration Generator	960-AW/LA	960-AW/LA	960-AW/LA
	Power Amplifier	368A-1005-60AW	368A-1006-60AW	368A-1007-60AW
	Console Rack	CRD-2000W-60	CRD-2000W-60	CRD-2000W-60
Size	Armature Size	mm φ430	φ430	φ430
	Vib. Generator	mm 1452Wx1297Hx1231D	1452Wx1297Hx1231D	1452Wx1297Hx1231D
	Power Amplifier	mm 1108Wx2000Hx1010D	1108Wx2000Hx1010D	1108Wx2000Hx1010D
	Blower	mm 1021Wx2170Hx1149D	1021Wx2170Hx1149D	869Wx2016Hx1147D
Mass approx.	Vib. Generator	kg 5000	5000	5000
	Power Amplifier	kg 700	750	800
	Blower	kg 450	450	450

※ 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.