FT Series
Vibration Testing System

Transportation

The FT series vibration testing system is specialized for "Safe Transportation of Packaged Products". It can be equipped with a reinforcement mechanism against the offset or heavy load so that a stacked or large product may be mounted. In order to easily attach the packaged products with fixing bands, the fixture of honeycomb structure and or slip table with hooks are available. Moreover, the oilless slip table reduces the burden of maintenance.

FT Series Specifications

	Model		FT-3K/30	FT-8K/51	FT-10K/80	FT-16K/80	FT-18K/80	FT-26K/80
Rated Force	Sine	kN_{0-p}	3.0	8.5	10.0	16.0	18.0	26.0
	Random	kNrms	3.0	8.5	10.0	16.0	18.0	26.0
	Shock	kN_{0-p}	6.0	17.0	20.0	32.0	45.0	65.0
Frequency range(★1)		Hz	to 2500	to 3000	to 2000	to 2000	to 2000	to 2000
Max. acceleration		m/s^2	667	850	400	640	529	764
Max. velocity		m/s	1.6	2.0	1.0	1.0	1.0	1.0
Max. displacement		mm_{p-p}	30	51	80	80	80	80
Max. payload(★2)		kg	200+α	350+α	200+α	200+α	200+α	200+α
Input power		kVA	7.3	19.5	22.6	27.8	26.8	32.0
Armature Mass		kg	4.5	10	25	25	34	34
Allowable offset load		Nm	60	500	350	350	500	500
Cooling method			Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled
Model	Vibration Generator		903-FN/FA	S085-AW/LA	916-AP/SLA	916-AP/SLA	926-AP/SLA	926-AP/SLA
	Power Amplifier		369A-0101-03	369A-0202-085SF	369A-0502	369A-0503	369A-0503	369A-0504
	Console Rack		CRD-1500-03	CRD-1500-085	CRD-2000-16	CRD-2000-16	CRD-2000-26	CRD-2000-26
Size	Armature Size	mm	ϕ120	ϕ230	ϕ230	ϕ230	ϕ270	ϕ270
	Vib. Generator	mm	630W×693H×588D	797W×775H×625D	950W×1029H×665D	950W×1029H×665D	1082W×1163H×866D	1082W×1163H×866D
	Power Amplifier	mm	554W×1462H×920D	554W×1500H×1010D	554W×2009H×1010D	554W×2009H×1010D	554W×2009H×1010D	554W×2009H×1010D
	Blower	mm	474.5W×1040H×753D	411W×810H×525D	707W×1681H×850D	707W×1681H×850D	707W×1681H×850D	707W×1681H×850D
Mass approx.	Vib. Generator	kg	350	640	1300	1300	2500	2500
	Power Amplifier	kg	290	300	430	440	520	530
	Blower	kg	39	60	220	220	220	220
Compatible Fixture	VHT-060		●	●	●	●	●	●
	VHT-080		●	●	●	●	●	●
	VHT-100		-	●	●	●	●	●
	VHT-120		-	-	●	●	●	●

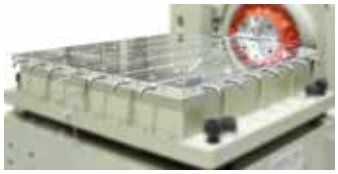
	Model		FT-28K/80	FT-35K/80	FT-60K/80
Rated Force	Sine	kN_{0-p}	28.0	35.0	60
	Random	kNrms	28.0	35.0	60
	Shock	kN_{0-p}	70.0	87.5	150
Frequency range(★1)		Hz	to 2000	to 2000	to 2500
Max. acceleration		m/s^2	667	833	750
Max. velocity		m/s	1.0	1.0	1.0
Max. displacement		mm_{p-p}	80	80	80
Max. payload(★2)		kg	200+α	200+α	200+α
Input power		kVA	37.5	47.8	68.3
Armature Mass		kg	42	42	80
Allowable offset load		Nm	700	700	1000
Cooling method			Air-cooled	Air-cooled	Air-cooled
Model	Vibration Generator		936-AP/SLA	936-AP/SLA	960-AP/SLA
	Power Amplifier		369A-0504	369A-0505	369A-1007
	Console Rack		CRD-2000-36	CRD-2000-36	CRD-2000W-60
Size	Armature Size	mm	ϕ330	ϕ330	ϕ430
	Vib. Generator	mm	1186W×1255H×971D	1186W×1255H×971D	1461W×1375H×1115D
	Power Amplifier	mm	554W×2009H×1010D	554W×2009H×1010D	1108W×2009H×1010D
	Blower	mm	707W×1681H×946D	869W×1856H×1094D	1461W×1375H×1115D
Mass approx.	Vib. Generator	kg	3400	3400	5000
	Power Amplifier	kg	570	580	800
	Blower	kg	245	325	450
Compatible Fixture	VHT-060		●	●	●
	VHT-080		●	●	●
	VHT-100		●	●	●
	VHT-120		●	●	●

※ 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)The highest usable frequency depends on an available fixture. As for the details, ask your local.
(★2)The maximum payload can be increased using options, a reinforcing mechanism against offset load, load support enhancement mechanism. Contact us if any.

Option

● VHT Series Honeycomb Table

Model		VHT-060-XX	VHT-080-XX	VHT-100-XX	VHT-120-XX
Size	mm	600×600	800×800	1000×1000	1200×1200
Freq. range	Hz	to 200	to 200	to 200	to 200
Table mass	kg	33	53	115	230



● Bearing Line Slip Table

Model		BT-060-XX	BT-080-XX	BT-100-XX	BT-120-XX
Size	mm	600×600	800×800	1000×1000	1200×1200
Freq. range	Hz	to 200	to 200	to 200	to 200
Table mass	kg	42	65	93	150

※Table mass changes with the available vibration generator.
※Frequency range and max. payload can be enhanced by a special order.

● Reinforcing Mechanism against Offset Load (Page No. 34)
● Load Support Enhancement Mechanism (Page No. 34)

● Data Logger