



















- Ultimate energy saving vibration generator without field coil and power supply
- Industry's first adoption of permanent magnet for more than 10 kN sine force system

"Ultimate Energy Saving" for a conventional medium-sized vibration testing system can be realized by eliminating the field coil and power supply. In addition, the cooling blower is downsized approximately 70% and its rotating speed is controlled according to the temperature of the vibration generator to drastically reduce the required input power and sound level.

[Energy-saving Effect]

Reduction of electric charge:

Approx. \$13820.00/year at 25% of rated output (Approx. JPY1,520,000.00/year at 25% of rated output) Approx. \$14550.00/year at 10% of rated output (Approx. JPY1,600,000.00/year at 10% of rated output)

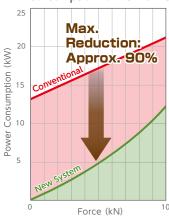
Reduction of CO2:

Approx. 42,200 kg/year at 25% of rated output Approx. 79,716 kg/year at 10% of rated output

*Compared to our 916 series system for 70% of operating time *The discharge of CO₂ emission assumes it to be 0.555 kg-CO₂/kWh. (according to law enforcement order about the promotion of global warming countermeasures, Article 3)

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

Reduction effect of power consumption for new drive system



FP Series Specifications							
Model		FP-01K/30	FP-02K/25	FP-02K/30A	FP-10K/51	FP-10K/76	FP-20K/51
Sine Shock	kN _{0-p}	1.2	2.0	2.0	10	10	20
ਜ਼ੂ ਨੂੰ Random	kNrms	0.48	1.4	1.4	10	10	20
Shock	kN _{0-P}	1.5	3.0	3.0	25	20	36
Frequency range	Hz	to 2500	to 3000	to 2500	to 3000	to 2500	to 2500
Max. acceleration	m/s²	500	800	444	1000	606	833
Max. velocity	m/s	1.6	1.5	1.5	2.0	2.0	2.0
Max. displacement	mm _{p-p}	30	25	30	51	76.2	51
Max. payload	kg	150	40	100	350	300	350
Input power	kVA	1.4	6.2	6.2	11.5	16	27
Armature Mass	kg	2.4	2.5	4.5	10	16	24
Allowable offset load	Nm	3	5	4	500	500	500
Cooling method		Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled	Air-cooled
Vibration Generator Power Amplifier		P01-AB/AS	Σ9515-AB/SD	Σ9515-AB/AS	P10-AW/LA	P10-AW/SLS	P20-A
8 Power Amplifier		375-D/P012	369A-0101-Σ15	369A-0101-Σ15	369A-0202-P10	369A-0202-P10SLS	369A-0606-P20
≥ Console Rack		-	CRD-1500-Σ15	CRD-1500-Σ15	CRD-1500-P10	CRD-1500-P10	CRD-2000-P20
Armature Size	mm	φ120	φ120	φ120	φ230	φ230	φ330
พู Vib. Generator	mm	384W×391.5H×360D	442W×360H×340D	442W×360H×340D	702W×763H×572D	702W×948H×625D	982W×1000H×750D
Power Amplifier	mm	480W×189H×450D	554W×1462H×1010D	554W×1462H×1010D	554W×1462H×1010D	554W×1462H×1010D	554W×2000H×1010D
Blower	mm	365.5W×700H×434D	474.5W×1040H×495D	474.5W×1040H×495D	411W×810H×525D	411W×810H×525D	707W×1681H×946D
Vib. Generator	kg	75	160	165	690	760	1650
Vib. Generator Power Amplifier	kg	35	290	290	300	300	600
8 Blower	kø	16	31	31	60	60	245

Input power specification is for 1¢ AC100 V 50/60 Hz. or 3¢ AC200 V 50/60 Hz.
 Lower limit frequency should be determined by a performance of an available vibration control system.