

NEEDLE Vibrator



www.jaypeeconcretevibrators.com

GENERATORS FOR HIGH FREQUENCY VIBRATORS

Standard Features :

- Suitable to work with all type of high frequency vibrators 42V-200 Hz
- Available with Honda (Petro) or Lombardini (Diesel) – 2.5 KVA and 5 KVA
- Sturdy and unique design ensures maintenance free use for longer run
- Double insulated and thermal protected



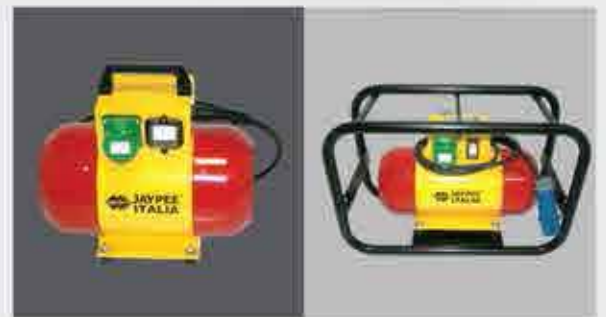
TECHNICAL DATA

Code	Engine	Continuous Power HP	Power KVA	Number of Outlets	Output power A	Capacity	Weight kg
GT2500H	Honda GX160	4,8	2,5	3	35	3 X Ø 38/50 2 X Ø 60/70	32
GT2500L	Lombardini Diesel 15LD225	4,5	2,5	3	35	3 X Ø 38/50 2 X Ø 60/70	50
GT5000L	Lombardini Diesel 15LD350	7	5	4	70	4 Ø 38/50 4 Ø 60/70	85

HIGH FREQUENCY ELECTRIC CONVERTERS

Standard Features :

- Exclusive range from 1 KVA to 5 KVA
- Special aluminium extrusion casing with protection frame
- Compatible with any make of High Frequency vibrators
- H class winding (180°); alternator with permanent synthesized magnets
- All models come with 10 m cable
- Easy to transport and flexible to operate during concreting applications on the job site
- Electrically isolated Motor and generator for safer operation
- The stable construction and the splash water protection (IP 44) make the converter ideal for harsh job site applications



TECHNICAL DATA

Model	HF 10 S 1 H	HF 15 S 2 F	HF 25 S 3 W	HF 20 T 2 F	HF 30 T 3 F	HF 50 T 4 W
Input Voltage	230 V	415 V	230 V	230 V	415 V	415 V
Output power	1 Kva 14A	1.5 Kva 21A	2.5 Kva 35A	2 Kva 28A	3 Kva 42A	5Kva 70A
Output frequency / Voltage	200Hz - 42V					
No. of outlets	1	2	3	2	3	4
Weight (kg)	16	24	32	24	32	75
Fitted with	Easy Handle	Steel frame	Wheeled trolley	Steel frame	Steel frame	Wheeled trolley
Vibrators that can work with	1 no Ø 38 / 50	2 nos Ø 38 / 50 or 1 no Ø 60 / 70	3nos Ø 38/50 or 2 nos Ø 60/70	2 nos Ø 38 / 50 or 1 no Ø 60 / 70	3 nos Ø 38 / 50 or 2 nos Ø 60 / 70	4 nos Ø 38 / 50 Or 4 nos Ø 60 / 70

HIGH FREQUENCY ECCENTRIC VIBRATORS

Standard Features :

- HV series High Frequency vibrators can be operated with HF Electric series, TR series Electronic or GT series Engine driven electric converters
- High torque, constant speed electric motor suitable for all type of concrete jobs
- Special thermoplastic material used for switch housing box
- Special rubber hose - water and oil resistant
- Hardened end-cap
- Spiral wiring available in all pokers
- Vibrators are compatible with any make converter
- All vibrators equipped with thermal circuit breakers that prevent the motor from being damaged due to overheating
- Heavy-duty roller bearings oil-bath lubricated for high performance and longer life



Optional: Hose length's extension up to 10 meters.

Rubber head for all diameters.

TECHNICAL DATA

Code		HV 38 Ø 38	HV 50 Ø 50	HV 60 Ø 60	HV 70 Ø 70
Amplitude	mm	1.3	1.5	1.8	2
Compacting	m/h	6 - 8	9 - 12	18 - 23	20 - 25
Needle length	mm	320	330	410	410
Centrifugal force	Kg	98	275	460	470
Input Current	A	6	8	14	20
Rubber hose	m.	5 mt			
Vibrations	VPM	12,000			
Feed cable	m.	10			
Frequency / Volts		200Hz / 42 V			
Standard Weight	Kg.	8.5	12.0	16.5	18.0

HIGH FREQUENCY VIBRATOR WITH INTEGRATED ELECTRONIC CONVERTERS

Standard Features :

- No need of separate converter
- Safe, durable and easy to handle Vibrators with thermal protection
- The Electronic converter assures good vibration, stability in frequency and reliability of vibrations
- Resistant to short circuit, over heating, over voltage and under voltage
- Useful for all types of concrete jobs, long term use, and maintenance free
- Earthing required



TECHNICAL DATA

ELECTRONIC CONVERTER:		TR1500
Input Voltage	V.	230 V
Input frequency	Hz.	47-63
Power	KVA	1.8
Input current	A	3.5
Protection		IP 65
Weight	Kg.	5
Overload capacity		200% x 180 sec.
Output frequency	Hz.	200Hz.
Generator input		no
Output voltage	V	230
Output power	Kw	1.5
Overload capacity		100-150%
Overload time		10-60 seconds
Technology		Rohs

Protections against :

- Over voltage
- Under voltage
- Over current
- Over load
- Over temperature
- Absence of earth-wire
- Phase short circuit / earth
- Short circuit between the phases

ECCENTRIC WEIGHT FLEXIBLE SHAFT NEEDLE VIBRATORS AND DRIVE UNIT

Standard Features :

Drive unit :

- Durable, High performance drive unit (2300W / 3 HP) with double insulation
- Light weight, shock resistant and easy to operate
- Shoulder strap to mount on shoulders for easy handling

Eccentric shaft vibrators :

- Power transmission shaft : length available 2 m, 4 m & 6 m
- Needle vibrators available in different diameters
- 25 mm – 38 mm – 50 mm – 60 mm
- Quick disconnect coupler for easy assembly and dismantle
- Best suitable to work on any type of concrete

Optional : Poker vibrator also available with rubber tip.



TECHNICAL DATA

Drive unit	HS 2500	Model	Amplitude A	Needle length mm	Centrifugal force Kn	VPM	Shaft length M	Weight Kg.
Input Voltage	230 V	FS 2502	0.9	315	55	13,800	2	10
R.P.M. (empty load)	17,800	FS 2504					4	10.5
		FS 2506					6	11
Power	2300 W 3 HP	FS 3802	1.7	355	200	13,000	2	11
		FS 3804					4	11.5
		FS 3806					6	12
Weight	5.2 Kg.	FS 5002	2.2	365	275	12,500	2	12
		FS 5004					4	12.5
		FS 5006					6	13
		FS 6002	2.4	370	310	12,000	2	13
		FS 6004					4	13.5
		FS 6006					6	14

Sales & Service

Jaypee India Ltd.

Trinity, 5th Floor
226/ 1 A.J.C. Bose Road, Kolkata – 700 020

T : +91 33 2289 0496/7/8, F: +91 33 2289 0859

E : solutions@jaypee.in, W : www.jaypee.in

 **+91 90512 34444**