

Facts about TREMIX

TREMIX products are successfully used in the construction industry and in civil engineering projects. The Tremix System is used for the production of strong and durable concrete for industrial floors, parking decks, bridges, etc.

PRODUCT RANGE

Vibratory tampers, forward and reversible soil compactors, duplex rollers, immersion vibrators, surface vibrators (screeds), bull floats, power-trowels and equipment for the dewatering of concrete by the vacuum process. The production plants are located in Sweden and France. The TREMIX products are distributed by local distributors or agents in many countries.



Tremix Poker Vibrators and Frequency Converters



TREMIX 102-1 ENG/06/2004-1000

POKER VIBRATORS AND FREQUENCY CONVERTERS

TECHNICAL DATA

- Built-in converter
- Run by 1-phase, 230 V
- Big and comfortable start/stop knobs
- Several built-in protective functions
- Strong converter casing of aluminium

✓ Please refer to technical data, page 7



ELECTROVIB

The Tremix poker vibrator Electro vib is provided with a built-in converter in the switch box that converts the frequency 50 Hz to 200 Hz, and 1-phase 230 V to 3-phase 210 V which runs the 3-phase motor in the poker. As the poker vibrator is connected to a 1-phase wall socket it can be used everywhere. At the same time the advantages of a strong 3-phase motor can be utilized.

The comfortable start/stop knobs on the front side of the switch box are easily reached. The converter in the switch box has built-in functions that protect the equipment and the user against operation hazards.

ELEKTROVIB

Vibration unit (tube)				
Type (Diameter)	40	48	56	65
Poker diameter (mm)	40	49	56	65
Poker Length (mm)	320	350	380	410
Power (kW)	0.4	0.92	1.17	1.8
Voltage (V)	230	230	230	230
Amperage (A)	2.5	4.5	6.4	10
Frequency (Hz)	200	200	200	200
Amplitude (mm)	2.5	2.7	3.1	3.4
Weight poker(kg)	2.3	4.2	5.2	7.9
Total weight (kg)	14.7	16.6	17.6	20.3

EL

Vibration unit (tube)				
Type (Diameter)	EL 40	EL 48	EL56	EL65
Length (mm)	320	350	380	410
Power (W)	280	650	850	1300
Voltage (V)	42/115	42/115	42/115	42/115
Amperage (A)	5/1.9	11/4.1	13/5.5	21/7.8
Frequency (Hz)	200	200	200	200
Amplitude (mm)	2.6	2.8	3.2	3.5
Weight (kg)	2.3	4.2	5.2	7.9
Revolutions (r.p.m.)	12000	12000	12000	12000
Poker vibrator complete				
Type	EL40	EL48	EL56	EL65
Weight, model B (kg)	13	15	16	19
Weight, model C excluding electric cable (kg)*	3.6	5.5	6.5	9.2
Weight electric cable	5.0	5.0	5.0	5.0
Length, electric cable (m)	15	15	15	15
Length, protective hose B (m)	5	5	5	5
Length, protective hose C (m)	0.45	0.45	0.45	0.45
* Working weight				
Model B= Poker vibrator with switch built into an aluminium casing				
Model C= Poker vibrator with an antivibration handle				

EX

Vibration unit (tube)				
Type (Diameter)	EX40	EX 48	EX56	EX65
Length (mm)	320	350	380	410
Power (W)	240	560	770	1160
Voltage (V)	42	42	42	42
Amperage (A)	4.5	9.4	11.7	19
Frequency (Hz)	200	200	200	200
Amplitude (mm)	2.5	2.7	3.1	3.4
Weight (kg)	2.1	4.1	5.1	7.7
Revolutions (r.p.m.)	12000	12000	12000	12000
Poker vibrator complete				
Type	EX40	EX48	EX56	EX65
Weight, model (kg)	13	15	16	19
Length, electric cable (m)	10	10	10	10
Length, protective hose B (m)	5	5	5	5

MINIVIB

Immersion Vibrator				
Type (Diameter)	26	36	45	
Length (m)	1/ 2/ 3	1/ 2/ 3	1/ 2	
Weight (kg)	2.8/ 4.1/ 5.4	4.4/6.0/ 7.6	5.8/ 7.4	
Revolutions (r.p.m.)	12000	12000	12000	
Drive unit				
Double insulated, splash-tight				
Voltage	230 V, single phase 50/60 Hz			
Power	0.6 kW			
Rated current	3 A			
Number of revolutions	3300 r.p.m.			
Weight	2.7 kg			

MAXIVIB

Immersion Vibrator				
Type (Diameter)	25	38	48	58
Length (mm)	300	345	370	410
Weight (kg)	2.1	4.1	5.1	7.7
Revolutions (r.p.m.)	14000	13500	12500	12000
Drive unit				
Double insulated, splash-tight				
Voltage	110 V or 220 V, single phase 50/60 Hz			
Power	2.3 kW			
Rated current	10 A			
Number of revolutions	12000 r.p.m.			
Weight	5 kg			

Frequency Converter OM 750/ 1800/ 6000

Frequency Converter OM 750/ 1800/ 6000			
Type (Diameter)	OM 750	OM 1800	OM 6000
Length (mm)	370	195	680
Width (mm)	195	190	440
Height (mm)	350	350	630
Cablelength (m)	1.6	1.6	2.5
Phase	1	3	3
Input Voltage			
Voltage (V)	42	42	42
Amperage (A)	4.9	4.0	6.3
Frequency (Hz)	50	50	50
Output Voltage			
Voltage (V)	42	42	42
Amperage (A)	9.6	24.7	82.5
Frequency (Hz)	200	200	200
Nos	1	2	4
Weight (kg)	14.5	22.0	87.0

- For vibrating columns, plinths and for smaller jobs
- Low noise level
- Devibrated handle
- Quick-action coupling
- Low weight
- 1-phase, 230 V

✓ Please refer to technical data, page 7



MINIVIB

The Tremix Minivib is the lightest poker vibrator in the Tremix range.

It is particularly suitable for vibrating thin concrete layers with light reinforcement, for columns, foundations and all kind of supplemental work. The Tremix Minivib is very easy to run.

The vibrator is powered by a single-phase electric motor, connected to a normal wall socket-outlet for 230 V.

A combination of high frequency and great centrifugal force ensures quick and efficient vibration of the concrete.

The change of flexible shaft is quickly made by means of a quick-action coupling. Plain design for easy service. Permanent-greased bearings. The vibrations in the handle are very low thanks to a unique devibrated drive unit.



- Powerful drive unit
- Easy-to-use poker vibrator
- 230 V, 1-phase
- For all small and medium size castings
- Different lengths and dimensions of flexible shafts and poker heads

✓ Please refer to technical data, page 7



MAXIVIB

The Tremix Maxivib is a handy poker vibrator, particularly suitable for vibrating thin concrete layers with light reinforcement, columns and for a wide range of concrete jobs.

Maxivib consists of an electric drive unit, a flexible shaft and a vibrator head with a rotating eccentric weight.

The robust drive unit is safely insulated and powered by a single-phase electric motor, connected to a normal, earthed wall socket outlet for 230 V, or 110 V single phase.

The flexible drive consists of a strong rubber casing with a rotating flexible inner core. The inner core is greased with a special heatresistant grease.

The eccentric shaft of the poker head is journalled with two over-dimensioned, grease-lubricated ball bearings. The end cap of the poker is exchangeable.

The change of the flexible shaft is easy. Thanks to the quick-action coupling, no tool is required. The Tremix Maxivib is service-friendly.



- High centrifugal force
- Oil cooled vibrator head
- Flexible and strong electric cable
- Handle for floor casting
- High insulation class for the motor winding

✓ Please refer to technical data, page 7



EL

The Tremix EL motor-in-head poker vibrators are reliable and easy to service. Having few components, the EL poker vibrators can be easily serviced in your own workshop. It is possible to supply special cable lengths up to 25 m.

The pokers are available in diameters: 40, 48, 56 and 65 mm. The poker and the end cap are made of induction hardened special steel. The poker vibrators are provided with overdimensioned, oil lubricated ball bearings.

Oil lubrication ensures a better durability than lubrication with grease.

A unique electric motor with extra strong eccentric weights produces high centrifugal force and amplitude. The high values give a

good compaction effect in concrete. Thermic protection on all phases protects the winding of the electric motor against damage caused by overheating.

In addition to that the insulation class of the winding is high. The input cables are sealed in order to prevent water from entering the poker. The cable is flexible, multi-wired, cold-resistant and durable.



OM 1800
The electric poker vibrator is connected to a converter

- Oil cooled vibrator head
- Flexible and strong electric cable
- Handle for floor casting
- High insulation class for the motor winding

✓ Please refer to technical data, page 7



EX

The Tremix electric motor-in-head poker vibrators are reliable and easy to service. The components, few in number, are easy to replace in your own workshop. The vibrator heads are available in four diameters: 40, 48, 56 and 65 mm. The pokers may be supplied with special cable length up to 25 m. The poker head and the end cap are made of induction hardened, special steel. The EX poker vibrators are equipped with oil-lubricated ball bearings. Oil lubrication ensures a better durability than lubrication with grease. Thermic protection on all phases protects the winding of the electric motor against damage caused by overheating. In addition to that, the insulation class of the winding is high.

The input cables to the poker are sealed in order to prevent water from entering the poker. The special cable is flexible, light, multi-wired, cold-resistant and durable. As the switch box is round it does not stick to obstacles during casting. The rubber protection of the switch prevents water and concrete from entering the switch box.



OM 750
The electric poker vibrator is connected to a converter.

- Heavy duty housing
- Protective frame with lifting eye
- Winding with high heat resistance
- Easy to clean
- Uncomplicated and reliable
- Thermal protection integrated in the switch

✓ Please refer to technical data, page 7



OM 750/ 1800/ 6000

The Tremix Converter series is simple and of robust design. The new series consists of three models covering the need of converters for electric vibrators. All models are of a high winding insulation class (H) which means the winding has a good margin when maximal power is used. Thermal protection in the mains switch prevents unnecessary damage if the converter is wrongly used. The OM 750 is the smallest model and handy to use. It is connected to single phase 230 V. The handle's design is ergonomic. It facilitates transportation and protects the housing. The OM 1800 is the middle model. It is connected to 3-phase 400 V. Through its combination of high capacity and low weight the converter is a good alternative when two poker vibrators are used simultaneously.

The robust housing withstands heavy duty environment. The OM 6000 is the biggest Tremix converter. It is connected to 3-phase 400 V. Four pokers can be connected and run at the same time. The converter is equipped with transport wheels and a foldable handle for comfortable transportation at the construction site. A robust frame with a top cover efficiently protects against damage and wear.

