TREMIX®

TREMIX
Soil and Asphalt Compaction

When the going gets really tough, you want the best

TREMIX®

FORWARD SOIL COMPACTORS

MV52 / MV52T

MV58 / MV58T

- High speed 50-60 kg compactors
- Small, easy to manoeuvre
- Perfect size for small applications
- Honda GX100 engine
- Foldable handle for easy transportation
- Ventilated V-belt cover
- T-model machines are equipped with foldable transport wheels
- Low vibration handle and block paving set as an option

MV84T

MV135T

MV140T

- 85 -140 kg compactors for heavy-duty soil applications
- MV84T is the fastest compactor in the range and has high compaction efficiency
- Centrally located handle for easy and smooth manoeuvring
- MV84T and MV135T, equipped with Honda GX160 engine
- MV140DT, equipped with Hatz 1B20 engine
- Ventilated V-belt cover
- Transport wheels as standard
- Low vibration handle and block paving set as an option

TREMIX®

FORWARD ASPHALT COMPACTORS

MV90AT | MV100AT | MV115DAT

- High speed 87-115 kg asphalt compactors
- Bottom plate specially designed to avoid leaving marks on the asphalt
- Patented water distribution system* (no pipes or sprinklers to clean) provides 100% watering of the bottom plate regardless type of asphalt
- Removable 17 litres water tank with adjustable water distribution
- Centrally located handle for easy and smooth maneuovering
- MV90AT and MV100AT, equipped with Honda GX160 engine
- MV115DAT, equipped with Hatz 1B20 engine
- Ventilated V-belt cover
- Transport wheels as standard
- Low vibration handle and block paving set as an option

TREMIX®

ROUND SOIL COMPACTOR

KMR 11

The Tremix KMR 11 Vibratory Plate Compactor features a unique round base that allows flush compaction next to posts, pillars, guardrails, manholes, drainage inlets and foundations. The design of the KMR 11 makes it easy to manoeuvre around obstacles. Confined areas and corners are easily handled by turning the steering wheel and compacting your way back out.The Tremix KMR 11 develops 16 kN of centrifugal force and amplitude of 1,7 mm. It is an ideal tool to quickly reach high density compaction on soil and stone applications. The KMR 11 is powered by a Honda GX160 engine. Its convenient steering wheel, not only optimizes operator's comfort when manoeuvring in confined spaces, but also easy lifting from trenches, trucks and trailers. An extra lifting handle is fitted on the engine plate, therefore allowing balanced movements when lifting the machine. A remote throttle control is located on the operator's handle.

REVERSIBLE SOIL COMPACTORS

MV 165 MV 170 D

The Tremix MV 165 and MV 170 D are two relatively small forward and reversible compactors. The size of the machines makes them easy to manoeuvre, and specially suitable for work in confined areas, close to house foundation, building elements as well as for backfill in trenches. The compactors are a good complement to Tremix larger forward and reversible compactors. As for all forward and reversible Tremix compactors the forward/reversible movement is stepless and enables on-the-spot vibration. The open design makes the MV 165 and MV 170 D very servicefriendly. The V-belt is easy to replace on site and there is also a spare V-belt under the protection frame.

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REVERSIBLE SOIL COMPACTORS

MV 220 MV 230 D MV 245 DE

The Tremix MV220, MV230D and MV245DE forward/reversible compactors, intended for the compaction of sand and gravel at house foundations as well as in trenches, street and road jobs. The machines are well balanced performing outstanding compaction. The vibration-dampered handle is of ergonomically proper design. The forward/reversing movement is controlled hydraulically with an easily accessible lever on the handle. The movements are stepless. The compactors are designed for ease of service and maintenance. An important feature is the plastic cover that can be tipped up without any tool.
There are three models available: The MV 220 with Honda petrol engine, MV 230 D with Hatz diesel engine and MV 245 DE with Hatz diesel engine and electric start.

TREMIX®

REVERSIBLE SOIL COMPACTORS

MV 305

MV 320 DE

The Tremix MV 305 and MV 320 DE are compact forward and reversing vibratory plates with excellent compaction properties. The speed and compaction depth are regulated steplessly througt hydraulic servo-controlled resetting of the eccentric element. This ensures smooth operation and makes the plates easy to operate. The plates can be used for most applications in its weight class, around cast foundations and building elements, for floor filling and other foundations, as well as for backfill in trenches. The handle is suspended in special rubber elements to dampen vibrations to a minimum. A protective frame with a single-point lifting lug covers all the vital parts of the machine. The MV plates are designed for operation in well ventilated spaces, as is the case with all combustion engine machines.

MV 480 DE

TREMIX MV 480 is a compact forward and reversing vibratory plate with excellent compaction properties. The speed and compaction depth are regulated stepless through hydraulic servo-controlled resetting of the eccentric element. This ensures smooth operation and makes the plate easy to operate. The plate can be used for most applications in its weight class, around cast foundations and building elements, for floor filling and other foundations, as well as for backfill in trenches. The bottom plate is made of Hardox 400, an extremely durable steel material. The handle is suspended in special rubber elements to dampen vibrations to a minimum. A protective frame with a single-point lifting lug covers all the vital parts of the machine.

TREMIX®

TAMPERS

MS 580 / MS 590 MT

The Tremix tampers are suitable for compaction of soil in trenches, around pillars and confined spaces. MS 580 and MS 590 MT are provided with Honda GX100 petrol engine which ensures a good operation economy and a trouble-free running. The footplate for MS 580 and MS 590 MT is interchangeable in shoe width 6” and 9”.

TAMPERS

MS 620 | MS 680

The Tremix MS 620 and MS 680 tampers combine latest 4-stroke engine technology with low exhaust emissions and low noise with high working speed for high compaction performance. MS 620 is equipped with the new Honda GX100 engine developed for tamper application and MS 680 is equipped with Honda GX120 engine. Well balanced, the MS 620/680 are suitable for applications on both granular and cohesive soils, where strict requirements are imposed for compaction in confined areas, trenches and repair work. The new tampers feature a very good working speed, which combined with a high amplitude results in an optimized in-depth compaction effect: down to 60 cm on sand and gravel, and 15 to 20 cm on clay. With few moving parts, maintenance is made easier and reliability maximized. Strong and high-positioned shock absorbers, and plastic fuel tank ensure long and trouble-free working life. The engine is protected against shocks by a strong metal frame.

MS 690 MT | MS 780 MT | MS 840 D

Tremix now offers a wide choice of alternatives to contractors for the compaction of granular and cohesive soils.

The Tremix MS 690 MT-, MS 780 MT- and MS 840 D tampers combine the latest Honda 4-stroke engine technology with low exhaust emissions and low noise with high working speed for high compaction performance. The MS 690 MT is equipped with the new Honda GX100 engine developed for rammer applications and the MS 780 MT is equipped with the Honda GX120 engine. The well balanced Tremix tampers are excellent for applications on both granular and cohesive soils, where strict requirements are imposed for compaction in confined areas, trenches and repair work. The new tampers strike fast and hit hard providing a high compactive effort. The high amplitude provides the ability to climb grades.

MR 7000

The Tremix MR 7000 features a compact design and a low weight. Still, it ensures a high compaction effect and a long life.

The Tremix MR7000, a 650-mm wide drum machine, is a fully hydraulic roller combining both drive and vibration. It is intended for compaction on both soil and asphalt. Therefore, it is equipped with a powerful engine, Hatz 1D50S, and a 71-liter water tank. The engine is well protected, and the large water tank keeps the hydraulic components safe.The machine combines high capacity and a robust design with smoothness in handling and operation.
The hydraulic components, such as coolers and connectors, are reliable and the protecting frame with one lifting point is light, but yet very strong and durable.
Thanks to the hydrostatic propulsion, the MR7000 has a minimum overhang on both sides. Its ergonomic handle design guarantees low hand/ arm vibration and easy operation.
The modern design of the new pedestrian double drum roller keeps the net weight as low as 660 kg. The fold-up handle and four tie down points simplify transportation. Even though the design is extremely compact, service friendliness regarding the engine, the hydraulic system is maintained on a high level.

Technical data

FORWARD SOIL- AND ASPHALT COMPACTORS

Model	Engine	Fuel	Net Weight	Max engine output	Trans-mission	Working-speed	Vibration frequency	Centrifugal force	Bottom plate dimensions LxW
MV52	Honda GX100	Petrol	51.4 kg	2.2 kW	V-belt	25 m/min	95 Hz	7.5 kN	505x320 mm
MV52T	Honda GX100	Petrol	54.9 kg	2.2 kW	V-belt	25 m/min	95 Hz	7.5 kN	505x320 mm
MV58	Honda GX100	Petrol	56.4 kg	2.2 kW	V-belt	26 m/min	95 Hz	9.5 kN	505x350 mm
MV58T	Honda GX100	Petrol	59.9 kg	2.2 kW	V-belt	26 m/min	95 Hz	9.5 kN	505x350 mm
MV84T	Honda GX160	Petrol	85.1 kg	4.1 kW	V-belt	34 m/min	95 Hz	16.5 kN	570x420 mm
MV90AT	Honda GX160	Petrol	87.0 kg	4.1 kW	V-belt	27 m/min	95 Hz	11.6 kN	595x500 mm
MV100AT	Honda GX160	Petrol	97.6 kg	4.1 kW	V-belt	25 m/min	95 Hz	15.5 kN	595x500 mm
MV115DAT	Hatz 1B20	Diesel	114.1 kg	3.0 kW	V-belt	25 m/min	95 Hz	14.5 kN	595x500 mm
MV135T	Honda GX160	Petrol	130.9 kg	4.1 kW	V-belt	25 m/min	95 Hz	19.4 kN	580x500 mm
MV140DT	Hatz 1B20	Diesel	136.9 kg	3.0 kW	V-belt	25 m/min	95 Hz	19.4 kN	580x500 mm
D= Diesel	A= Asphalt soil compactor		T=Transport wheels						
KMR11	Honda GX160	Petrol	93 kg	4.1 kW	V-belt	22 m/min	75 Hz	16 kN	Ø 450

REVERSIBLE SOIL COMPACTORS

Model	Engine	Fuel	Net Weight	Max engine output	Trans-mission	Working-speed	Vibration frequency	Centrifugal force	Bottom plate dimensions LxW
MV165	Honda GX160	Petrol	156 kg	4.1 kW	V-belt	25 m/min	82 Hz	28 kN	654x450 mm
MV170D	Hatz 1B20	Diesel	171 kg	3.1 kW	V-belt	25 m/min	82 Hz	28 kN	654x450 mm
MV220	Honda GX200	Petrol	215 kg	4.8 kW	V-belt	25 m/min	65 Hz	36 kN	700x500 mm
MV230D	Hatz 1B20	Diesel	229 kg	3.1 kW	V-belt	25 m/min	65 Hz	36 kN	700x500 mm
MV245DE	Hatz 1B20	Diesel	245 kg	3.1 kW	V-belt	25 m/min	65 Hz	36 kN	700x500 mm
MV305	Honda GX270	Petrol	263 kg	5.8 kW	V-belt	25 m/min	68 Hz	40 kN	768x600 mm *
MV320DE	Hatz 1B30	Diesel	300 kg	4.2 kW	V-belt	25 m/min	68 Hz	40 kN	768x600 mm *
									* alternative 500 mm
MV480DE	Hatz 1D50S	Diesel	504 kg	6.6 kW	V-belt	25 m/min	60 Hz	60 kN	939x700

TAMPERS

Model	Engine	Fuel	Net Weight	Max engine output	Trans-mission	Working-speed	Vibration frequency	Centrifugal force	Bottom plate dimensions LxW
MS580	Honda GX100	Petrol	61 kg	2.2 kW	Gear box	15-18 m/min	12 Hz	-	330x230 mm
MS590MT	Honda GX100	Petrol	62 kg	2.2 kW	Gear box	15-18 m/min	12 Hz	-	330x280 mm
MS620	Honda GX100	Petrol	63 kg	2.2 kW	Gear box	15-18 m/min	12 Hz	-	330x230 mm
MS680	Honda GX120	Petrol	73 kg	2.9 kW	Gear box	15-18 m/min	12 Hz	-	330x280 mm
MS690MT	Honda GX100	Petrol	67 kg	2.2 kW	Gear box	15-18 m/min	12 Hz	-	330x230 mm
MS780MT	Honda GX120	Petrol	77 kg	2.9 kW	Gear box	15-18 m/min	12 Hz	-	330x280 mm
MS840D	Hatz 1B20	Diesel	83 kg	3.0 kW	Gear box	13-16 m/min	12 Hz	-	330x280 mm

ROLLERS

Model	Engine	Fuel	Net Weight	Max engine output	Trans-mission	Working-speed	Vibration frequency	Centrifugal force	Drum length
MR7000	Hatz 1D50S	Diesel	658 kg	6.8 kW	Hydraulic	0-3.6/0-2.3km/h	61 Hz	21 kN	650 mm / Ø 400

The right machine for the right application

1. *In order to achieve a good result, a machine should have the characteristics which correspond to the actual conditions at the building site. It is important to take into consideration the forward/reverse function, traction and mechanical reliability.*
2. *The most important factors that determine the compaction efficiency of a machine are: static weight, area of the bottom plate, amplitude and frequency. For example a MV 480 has the same compaction depth as a large 10 ton vibratory roller.*
3. *Normally, at least 3-4 passes are required in order to achieve a fully good compaction. If the number of passes in order to achieve a sufficient compaction exceeds six, another machine or a thinner layer should be considered.*
4. *When planning a site it is important to consider the surface capacity in order to make the right choice regarding the type and number of machine/s.*

APPLICATION	SUITABLE MACHINE	
CLAY	● Tampers	MS580, MS590MT, MS620, MS680, MS690MT, MS780MT, MS840D
SILT	● Heavy Plate Compactors	MV305, MV320DE, MV480
	● Tampers	MS580, MS590MT, MS620, MS680, MS690MT, MS780MT, MS840D
SAND / GRAVEL	● All Plate Compactors	MV52, MV58, MV84T, MV90AT MV100AT, MV115DAT, MV135T, MV140DT, KMR11, MV165, MV170D, MV220, MV230D, MV245DE, MV305, MV320DE, MV480
	● Roller	MR 7000
	● Tampers	MS580, MS590MT, MS620, MS680, MS690MT, MS780MT, MS840D
ROCKFILL Ø ≤ 15cm	● Heavy Plate Compactor	MV480
ASPHALT	● Plate with water sprinkler system	MV70, MV92
	● Roller	MR 7000
CONCRETE BLOCK	● Plate with optional vulcolan rubber protection	MV65, MV80, MV92, MV165, MV170D, MV220, MV230D, MV245DE, MV480

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