

PRODUCT CATALOG



We know Compaction





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THIS IS WEBER MT

Weber Maschinentechnik GmbH specializes in making hand-guided compacting equipment. Founded in 1952, our family business is now managed by the third generation with ardent passion for technology and a deep commitment to superior quality. We owe our success and the long years of customer confidence in no small part to our innovative prowess and dependability.

The key factors for the long-term success of any business are quality, know-how and customer service. Our cooperation as partners with customers and suppliers has put us in a position to develop highly advanced and innovative machines and technologies while striving to optimize them in an ongoing basis.

Digital solutions designed to enhance the safety of the machines and ease the daily workload on countless construction sites round off Weber MT's product selection. What is more, 10 % of our workforce specialize in product development.

This allows us to offer machines for the construction industry that are efficient, robust and on the cutting edge - with a promise of quality that we live up to day in and day out.







SPECIALISTS IN SERVICE

Our company headquarters in Bad Laasphe is the point of contact and home for 200 expertly trained specialists world-wide working in administration, product development, manufacturing, sales, and service. These employees are very special as they are paramount to the success of our company.

To satisfy the specific requirements of our customers, we manufacture our products at state-of-the-art production facilities and in accordance with standardized quality specifications.

Boasting many years of experience, our specialists in after-sales service are there for our customers even after they have made their purchase. Whether they require personal advice in ordering spare parts or seminars on the topics of machine application, repairs and maintenance, our customers are given genuine added value by our specialists.

Weber MT products – “Made in Germany” – have garnered a successful position on the international market. Our customers can trust in our dependable pre- and after-sales service thanks to our sales and distribution network that spans the globe with various sales offices and subsidiaries.





08

VIBRATORY PLATES / PAVER ROLLERS

VPR.....	10 – 11
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VIBRATORY PLATES / PAVER ROLLERS



PAVER ROLLER VPR 450 / VPR 700



There is an increasing popularity of using large-size slabs and pavers for Hardscape Projects. Weber MT has now come up with the perfect solution for compacting these materials in a gentle and efficient manner: The VPR 450 and VPR 700 paver rollers.

The rollers allow the machine to press delicate concrete slabs with relatively low thickness gently into their bedding. The machine is just as effective when it comes to vibrating the sealing sand into the joints.

As the VPR 700 is especially made for larger surfaces, the VPR 450 is more suitable for smaller surfaces and even smaller paving plates.



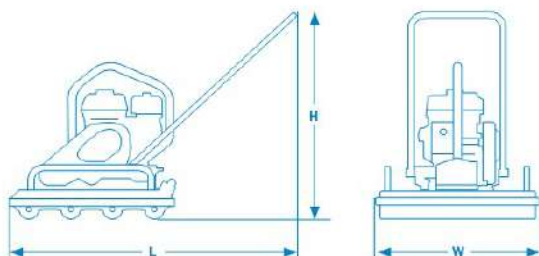


VPR 450



VPR 700

TYPE	VPR 450	VPR 700
Operating weight CECE, kg	108	175
Working width, cm	42	67
Centrifugal force, kN	8	14
Frequency, Hz	100	100
Engine	Honda GX 160 4-stroke, gasoline	Honda GX 160 4-stroke, gasoline
Engine output max., kW (HP)	3.6 (4.9)	3.6 (4.9)
Power output at operating speed	2.8 (3.8) at 3,200 kW (HP) at r.p.m.	2.8 (3.8) at 3,200 kW (HP) at r.p.m.
Working speed, m/min	Machine is advanced by the operator	Machine is advanced by the operator
Dimensions (L x W x H), cm	119 x 46 x 95	125 x 72 x 95



VIBRATORY PLATES CF / CFR



The vibratory plate compactors of the CF 2 and CF 3 series distinguish themselves by premium operating comfort, compact dimensions and optimum running characteristics. Their fields of application: compaction work in landscaping and repair work.

The special low-vibration guide bar (CF 2 and CF 3) reduces the hand/arm vibrations and ensures comfortable work. In addition, the guide bar features a soft, user-friendly plastic coating.

The CF 1 A Hd and CF 2 A Hd were specially designed for asphalt compaction.

The CFR 90 is an alternative to the "standard" vibratory plates. The almost round base plate allows for high maneuverability in confined areas, for example in cable trenches or along curbs.





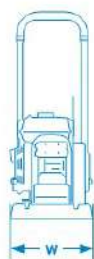
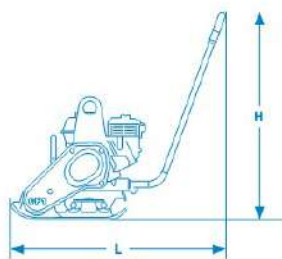
CFR 90



Picture with accessories

CF 1 Hd / CF 1 A Hd

TYPE	CFR 90	CF 1 Hd / CF 1 A Hd
Operating weight CECE, kg	90	63 / 65
Working width, cm	43	35
Centrifugal force, kN	14	10
Frequency, Hz	85	95
Engine	Honda GX 160 4-stroke, gasoline	Honda GX 120 4-stroke, gasoline
Engine output max., kW (HP)	3.6 [4.9]	2.4 [3.3]
Power output at operating speed	2.7 [3.7] at 3,000 kW (HP) at r.p.m.	1.8 [2.5] at 3,000 kW (HP) at r.p.m.
Working speed, m/min	26	26
Dimensions (L x W x H), cm	46 x 43 x 98	113 x 35 x 96





CF 2 Hd



Picture with accessories

CF 2 A Hd



Picture with accessories

CF 3

TYPE	CF 2 Hd	CF 2 A Hd	CF 3 Hd / CF 3 / 60 Hd	CF 3 / CF 3 / 60
Operating weight CECE, kg	83	82	94 / 107	108 / 122
Working width, cm	45	45	50 / 60	50 / 60
Centrifugal force, kN	15	15	20	20
Frequency, Hz	95	95	95	95
Engine	Honda GX 160 4-stroke, gasoline	Honda GX 160 4-stroke, gasoline	Honda GX 160 4-stroke, gasoline	Hatz 1B20 Diesel
Engine output max., kW [HP]	3.6 [4.9]	3.6 [4.9]	3.6 [4.9]	3.5 [4.8]
Power output at operating speed	2.7 [3.7] at 3,000 kW [HP] at r.p.m.	2.7 [3.7] at 3,000 kW [HP] at r.p.m.	2.7 [3.7] at 3,000 kW [HP] at r.p.m.	3.1 [4.2] at 3,000 kW [HP] at r.p.m.
Working speed, m/min	26	26	26	24
Dimensions (L x W x H), cm	113 x 45 x 96	113 x 45 x 96	116 x 50 / 60 x 96	116 x 50 / 60 x 106

→ AVAILABLE ACCESSORIES

- Integrated wheel kit.
- Water sprinkler system (for asphalt compaction).
- Polyurethane pad.



VIBRATORY PLATE CF 2 HD

A powerful light-weight



ADVANTAGES

- Compact machine dimensions.
- Durable and rugged construction.
- High working speed, good operating characteristics.
- Foldable, low-vibration guide bar.
- Work without getting tired thanks to a low hand-arm vibration.
- Remote control throttle, throttle lever on the guide bar.
- Water sprinkler system with 12 liter tank (optional).



AREAS OF APPLICATION

- Landscape.
- Compacting asphalt or pavers for maintenance.



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SOIL COMPACTORS

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SOIL COMPACTORS CR

The reversible CR soil compactors stand out above the competition with their superb compacting capacity and superior efficiency. Machines made by Weber MT are always the number one choice - whether they are needed for classic applications in road building and civil engineering or for embedding paving stones.

Their balanced operating characteristics and exceptionally smooth operation with low hand-arm vibrations provide for superb ease of use.



CR 2

Apart from the standard features including E-start, other features are also offered for CR 6 to CR 9 soil compactors with Hatz diesel engine. The features available in the "MDM" and the "CCD 2.0" versions of these models include, respectively, an engine data management system and the COMPATROL® compaction control system.



CR 7



CR 1 Hd



CR 2



CR 2 Hd

TYPE	CR 1 Hd	CR 2 Hd / CR 2 / 55 Hd	CR 2 / CR 2 / 55
Operating weight CECE, kg	92	143 / 150	156 / 164
Working width, cm	35	45 / 55	45 / 55
Centrifugal force, kN	15	25	25
Frequency, Hz	100	100	100
Engine	Honda GX 120 4-stroke, gasoline	Honda GX 160 4-stroke, gasoline	Hatz 1B20 Diesel
Engine output max., kW [HP]	2.4 [3.3]	3.6 [4.9]	3.5 [4.8]
Power output at operating speed	1.8 [2.5] at 3,000 kW [HP] at r.p.m.	2.7 [3.7] at 3,350 kW [HP] at r.p.m.	3.1 [4.2] at 3,000 kW [HP] at r.p.m.
Working speed, m/min	0–20	0–21	0–21
Dimensions (L x W x H), cm	95 x 35 x 102	122 x 45 / 55 x 95	122 x 45 / 55 x 95

→ AVAILABLE ACCESSORIES

- Polyurethane pad for pavers.
- Water tank for asphalt compaction.
- Integrated wheel kit (CR 2 - standard).

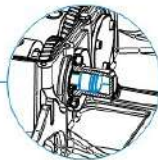


REVERSIBLE SOIL COMPACTOR CR 2

The light all-rounder

ADVANTAGES

- Infinitely variable forward and reverse travel.
- Variable hydraulic shifting allows for superior accuracy even when working in challenging areas.
- Work without getting tired thanks to a height-adjustable guide bar and low hand-arm vibration handles.
- Engine protection frame and cover to protect life of machine and engine.
- Standard feature: integrated and rugged wheel kit.



AREAS OF APPLICATION

- Landscape.
- Compacting asphalt or pavers for maintenance.
- Sand, gravel, pavement and asphalt compaction applications.



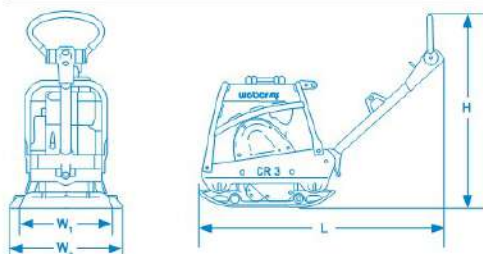


CR 3 Hd

CR 3

CR 5 E

TYPE	CR 3 Hd / CR 3/60 Hd	CR 3 / CR 3/60 CR 3 E / CR 3/60 E	CR 5 Hd	CR 5 / CR 5 E / CR 5 CCD
Operating weight CECE, kg	204 / 209	207 / 212 / 225 / 230	280	296 / 311 / 315
Working width, cm	50 / 60	50 / 60	55 (70)	55 (70)
Centrifugal force, kN	35	35	42	42
Frequency, Hz	80	80	75	77
Engine	Honda GX 270 4-stroke, gasoline	Hatz 1B20 Diesel	Honda GX 270 4-stroke, gasoline	Hatz 1B30 Diesel
Engine output max., kW (HP)	6.3 (8.6)	3.5 (4.8)	6.3 (8.6)	5.4 (7.4)
Power output at operating speed	5.1 (7.0) at 3,000 kW (HP) at r.p.m.	3.1 (4.2) at 3,000 kW (HP) at r.p.m.	5.1 (7.0) at 3,000 kW (HP) at r.p.m.	4.6 (6.2) at 3,000 kW (HP) at r.p.m.
Working speed, m/min	0 – 20	0 – 20	0 – 22	0 – 22
Dimensions (L x W x H), cm	135 x 50 x 106	135 x 50 / 60 x 106	155 x 55 x 107	155 x 55 x 107



REVERSIBLE SOIL COMPACTOR CR 3

The all-rounder

ADVANTAGES

- Hydraulic control for infinitely variable forward and reverse travel.
- Low hand/arm vibrations.
- Work without getting tired thanks to a height-adjustable guide bar and low hand-arm vibration handles.
- The engine is protected against external damage by a rugged protection frame and engine cover.
- Low maintenance requirements thanks to the centrifugal clutch with automatic tensioning feature.
- Simple maintenance as all maintenance components are easily accessible.
- Safe and quick loading thanks to the large, folding lifting eye.
- Higher operating convenience with electric starter.

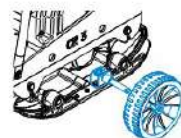


AREAS OF APPLICATION

- Landscape.
- Sand and gravel compaction applications.
- Compaction of paving stones.

→ AVAILABLE ACCESSORIES

- Polyurethane pad.
- Wheel kit.





CR 6 Hd

CR 6

TYP	CR 6 Hd / CR 6 Hd E / CR 6 Hd CCD	CR 6 / CR 6 MDM / CR 6 CCD
Operating weight CECE, kg	360 / 386 / 388	412 / 414 / 414
Working width, cm	(45) 59 [74]	(45) 59 [74]
Centrifugal force, kN	55	55
Frequency, Hz	72	72
Engine	Honda GX 390 4-stroke, gasoline	Hatz 1B40 Diesel
Engine output max., kW [HP]	8.7 [11.9]	7.5 [10.3]
Power output at operating speed	7.0 [9.6] at 2,750 kW [HP] at r.p.m	5.8 [7.9] at 2,750 kW [HP] at r.p.m
Working speed, m/min	0 – 24	0 – 24
Dimensions (L x W x H), cm	171 x 59 x 116	171 x 59 x 116

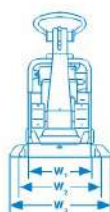




CR 7 Hd

CR 7

TYPE	CR 7 Hd / CR 7 Hd E / CR 7 Hd CCD	CR 7 / CR 7 MDM / CR 7 CCD
Operating weight CECE, kg	397 / 423 / 425	475 / 477 / 477
Working width, cm	65 [80]	65 [80]
Centrifugal force, kN	65	65
Frequency, Hz	74	74
Engine	Honda GX390 4-stroke, gasoline	Hatz 1B40 Diesel
Engine output max., kW (HP)	8.7 [11.9]	7.5 [10.3]
Power output at operating speed	7.0 [9.6] at 2,750 kW [HP] at r.p.m.	5.8 [7.9] at 2,750 kW [HP] at r.p.m.
Working speed, m/min	0–24	0–24
Dimensions [L x W x H], cm	171 x 65 x 116	171 x 65 x 116



REVERSIBLE SOIL COMPACTOR CR 7

Performance and comfort in perfection



ADVANTAGES

- Infinitely variable hydraulic shifting mechanism used for forward and reverse travel.
- Low hand-arm vibrations.
- To ensure they are protected, hydraulic hoses are located inside the guide bar.
- Work without getting tired thanks to a height-adjustable guide bar.
- The engine is protected against external damage by a rugged protection frame and engine cover.
- Low maintenance requirements thanks to the centrifugal clutch with automatic tensioning feature.
- Simple maintenance as all maintenance components are easily accessible.
- Quick and safe loading thanks to large, hinged lifting eye.
- Can be lashed securely for transport thanks to additional eyelets in the engine console.
- Flexible operation with regards to working widths thanks to extension plates.
- E-start with operating hour meter as well as oil and voltage control.
- Improved operational safety thanks to MDM engine management for air filter, oil pressure, battery voltage, etc.

→ EQUIPMENT



Standard



MDM Engine protection



Compaction control system
COMPATROL® 2.0



AREAS OF APPLICATION

- Road building, civil engineering, landscape/Hardscape and building construction.
- Compaction of paving stones.
- Sand and gravel compaction applications.

→ AVAILABLE ACCESSORIES

- Extension plates.
- Polyurethane pad.



CR 8

TYPE	CR 8 Hd E / CR 8 Hd CCD	CR 8 / CR 8 MDM / CR 8 CCD
Operating weight CECE, kg	550 / 552	601 / 605 / 605
Working width, cm	70 [85]	70 [85]
Centrifugal force, kN	75	75
Frequency, Hz	67,5	67,5
Engine	Honda GX 390 4-stroke, gasoline	Hatz 1D81S Diesel
Engine output max., kW (HP)	8.7 [11.9]	10.3 [14.1]
Power output at operating speed	7.0 [9.6] at 2,700 kW (HP) at r.p.m	9.1 [12.5] at 2,700 kW (HP) at r.p.m
Working speed, m/min	0 – 24	0 – 24
Dimensions [L x W x H], cm	185 x 70 x 115	183 x 70 x 116

AREAS OF APPLICATION

- Road building and civil engineering.
- Foundation base prep.
- Sand and gravel compaction applications.



Intuitive, easy operation.



CR 9 Hd E

CR 9

TYP	CR 9 Hd E / CR 9 Hd CCD	CR 9 / CR 9 MDM / CR 9 CCD
Operating weight CECE, kg	670 / 671	736 / 740 / 740
Working width, cm	75 (90)	75 (90)
Centrifugal force, kN	100	100
Frequency, Hz	65	65
Engine	Honda GX 630 4-stroke, gasoline	Hatz 1D90S Diesel
Engine output max., kW (HP)	15.5 (21.2)	11.2 (15.3)
Power output at operating speed	11.0 (15.0) at 3,000 kW (HP) at r.p.m	11.0 (15.0) at 2,900 kW (HP) at r.p.m
Working speed, m/min	0–28	0–28
Dimensions (L x W x H), cm	187 x 75 x 117	187 x 75 x 117



Optional: Compaction
control system / engine
protection.

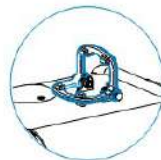
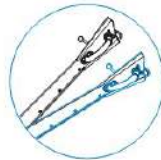
REVERSIBLE SOIL COMPACTOR CR 9

The premium class



ADVANTAGES

- Infinitely variable hydraulic shifting mechanism used for forward and reverse travel.
- Precise, reliable and convenient switch between forward and reverse travel.
- Low hand/arm vibration.
- To ensure they are protected, hydraulic hoses are located inside the guide bar.
- Work without getting tired thanks to a height-adjustable guide bar.
- The engine is protected against external damage by a rugged protection frame and engine cover.
- Low maintenance requirements thanks to the centrifugal clutch with automatic tensioning feature.
- Simple maintenance as all maintenance components are easily accessible.
- Quick and safe loading thanks to large, hinged lifting eye.
- Flexible operation with regards to working widths thanks to extension plates.
- E-start with operating hour meter as well as oil and voltage control.
- Improved operational safety thanks to MDM engine management for air filter, oil pressure, battery voltage, etc.



→ EQUIPMENT



Standard



MDM Engine protection



Compaction control system
COMPATROL® 2.0



→ AVAILABLE ACCESSORIES

- Extension plates.

BATTERY TECHNOLOGY



SRE 590 DC



VPR 700 DC



CF 2 DC



CF 3 DC



CFR 90 DC



CR 2 DC

Weber MT offers new opportunities for emission sensitive and restricted areas: Machines with Battery and DC-engine technology.

This makes it possible to work in closed rooms, deeper trenches, and in emission-regulated cities.



→ FOR MORE INFORMATION:

See our special flyer.

ADVANTAGES

- One battery fits all machines of the new Weber MT DC-Line.
- Combination of Battery and DC-Engine are especially designed for small construction machines.
- Simple and convenient push button Start/Stop of the engine.
- Direct feedback about state of charge on each battery, as well as self-diagnostic with fault indication. Intuitive and self-explanatory operating of the engine.
- Battery and engine requires less maintenance compared to conventional gasoline engines.
- No direct CO₂-emission, no petrol fumes, no contamination of soil or paved surfaces with gasoline.

ENGINE PROTECTION MDM

Reversible soil compactors CR 6 MDM, CR 7 MDM, CR 8 MDM, CR 9 MDM

To increase safety in every-day life at the construction site, Weber MT will rely on comprehensive engine data management system from now on. MDM-engine protection constantly checks all essential parameters of the engine: The engine will shut-off automatically if the MDM discovers that the engine oil pressure / oil level is too low, the engine temperature is too high or the air filter is full. If this happens, the operator is notified accordingly by an LED indicator. This safeguard makes disastrous engine failures caused by insufficient maintenance a thing of the past. Better still, the system also indicates when the engine needs to be serviced. E-start and hour meter are standard.



Warning light indicating
insufficient battery
voltage.



Low oil pressure warning.
Cutoff when oil pressure
is too low.



Meter indicating hours
until next servicing.



Engine cutoff after
3 minutes when the
engine temperature
exceeds permissible
limits.



Engine cutoff after
10 minutes when the
air filter is dirty.



WETRAC – ENGINE PROTECTION PLUS TELEMATICS

Safety and control with engine protection and telematics – WEtrac

Designated as „WEtrac“ Weber MT offers the MDM engine protection with telematics as an option. Operating status, which is registered and displayed by the MDM engine protection, is transmitted via GSM / GPRS to a web portal. As a result, upcoming maintenance work can be planned more easily and operating hours can be monitored at any time.

A GPS satellite mapping of the machine informs about their current location almost in real time. Motion detection with alarm function provides active theft protection.



COMPATROL® 2.0

The continuous compaction control system



Reversible soil compactors CR 6 CCD 2.0, CR 7 CCD 2.0, CR 8 CCD 2.0, CR 9 CCD 2.0

The compaction control COMPATROL® CCD 2.0 enables even more constant and comprehensive compaction. Weak points can be easily recognized and – what is important – repaired in time. Therefore, less passes are necessary. That saves time and money. Up to 25 % of time can be saved with the help of COMPATROL® CCD 2.0.

The MDM engine protection is already included in COMPATROL® CCD 2.0. Thereby it offers double safety.

ADVANTAGES

MDM version plus the following features

- COMPATROL® 2.0 allows for uniform compaction across the entire compacted surface.
- Weak points in the soil can be detected and corrected quickly.
- Easy-to-understand and self-explanatory LED display.
- Savings in cost/time of up to 25 % due to fewer passes.



How the compaction control COMPATROL® 2.0 works: !

The base plate of the soil compactor is fitted with a sensor. This sensor measures the changes in vibration characteristics during compacting to calculate the soil stiffness. The result is indicated to the operator with an LED scale on the display. If no additional diodes turn on while the next pass, that means: Maximum compaction has been achieved.



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VIBRATORY RAMMERS

SRV 300	34
SRV 590	34, 36 – 37
SRX 750 D	35
SRV 620	36
SRV 660 Hd	36



VIBRATORY RAMMERS SRV / SRX



SRV 300

Excellent compaction results, exemplary operating comfort and rugged design are the essential requirements vibratory rammers must meet. Customers looking to purchase a premium quality rammer need to look no further than the powerful machines being offered by Weber MT.

Regardless of the job requirements Weber MT has a rammer to meet the customer's needs, from earth compaction in sewage and trench construction, backfill, shoulder compaction or patching repairs in road construction or hardscape and landscape projects.



SRV 590



SRV 300



SRX 750 D

TYP	SRV 300	SRX 750 D
Operating weight CECE, kg	32	85
Shoe width, cm	14	28
Percussion rate max. 1/min	790	670
Stroke force, kN	9,1	28,9
Engine	Honda GX50 4-stroke, gasoline	Yanmar L48 Diesel
Engine output max., kW [HP]	1,5 [2,0]	3,5 [4,8]
Power output at operating speed	1,5 [2,0] at 6,900 kW [HP] at r.p.m	3,5 [4,8] at 3,600 kW [HP] at r.p.m
Dimensions (L x W x H), cm	59 x 31,5 x 95	74 x 38,5 x 111

AREAS OF APPLICATION

- For compaction in confined spaces and tamping around pipes (SRV 300).
- Road building, civil engineering, compaction in sewage, trench construction, landscape, earth compaction.
- Compaction of smaller surfaces. Repair work.
- Sand and gravel compaction applications.



SRV 590



SRV 620

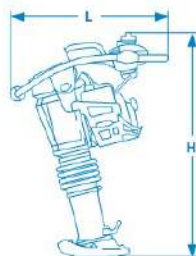


SRV 660 Hd

TYPE	SRV 590	SRV 620	SRV 660 Hd
Operating weight CECE, kg	62	66	70
Shoe width, cm	28	28	28
Percussion rate max. 1/min	700	700	700
Stroke force, kN	18.3	18.2	20.9
Engine	Honda GXR120 4-stroke, gasoline	Honda GXR120 4-stroke, gasoline	Honda GXR120 4-stroke, gasoline
Engine output max., kW (HP)	2.7 [3.7]	2.7 [3.7]	2.7 [3.7]
Power output at operating speed	2.6 [3.6] at 4,100 kW (HP) at r.p.m.	2.6 [3.6] at 4,100 kW (HP) at r.p.m.	2.6 [3.6] at 4,100 kW (HP) at r.p.m.
Dimensions (L x W x H), cm	74 x 35 x 104	74 x 36,5 x 104	74 x 36,5 x 104

AREAS OF APPLICATION

- Road building, civil engineering, compaction in sewage, trench construction, landscape, earth compaction.
- Compaction of smaller surfaces. Repair work.
- Sand and gravel compaction applications.



VIBRATORY RAMMER SRV 590

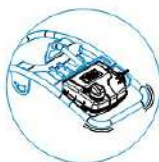
Comfortable – Powerful – Durable



SRV 590

ADVANTAGES

- High tamping outputs.
- Throttle control with defined adjustments for engine stop, idle speed, reduced speed and full speed.
- Work without getting tired thanks to the hand/arm vibration.
- The highly efficient air filtration system with cyclone pre-cleaner protects the engine against dirt.
- Low engine oil warning during start-up, the electronics reliably measures the engine oil level. An LED lights up to indicate a lack of engine oil.
- Robust engine protection.
- Low maintenance efforts.
- A durable tamping system with an active oil lubrication, providing reliable oil support to all components in the crankcase.
- Damage to the tamping system is being prevented through block impact protection.
- Easy transport through carrying handles and rolls.
- Hour meter.



→ AVAILABLE ACCESSORIES

- Wheel kit.
- Rammer foot extension.





38

VIBRATORY ROLLERS / TRENCH ROLLERS

DVH 600 / DVH 655 E /

HPR 65 40 – 41

MC 85 40, 42 – 43



VIBRATORY ROLLERS DVH / HPR TRENCH ROLLER MC



DVH 655



MC 85

The hydrostatic vibratory rollers were developed particularly for use on footpaths, cycle ways, edges and parking lots. They are optimally to compact asphalt and even granular material like sand and gravel. The working speed is infinitely variable due to the hydrostatic drive. DVH rollers have set standards not only with regard to design, but also in performance, longevity, operational safety and environmental protection.

The MC trench roller from Weber MT is designed for maximum performance on cohesive soils, in trench and pipeline constructions, when compacting foundations and backfill and in road construction. They are ideally suited for use on heavy, humid or cohesive soils, where conventional soil compactors would fail. The hydraulic articulated steering allows for easy manoeuvring even in confined spaces.

VIBRATORY ROLLERS DVH / HPR



DVH 600

DVH 655 E

HPR 65

TYPE	DVH 600	DVH 655 E	HPR 65
Operating weight CECE, kg	420	732	840
Working width, cm	65	65	65
Centrifugal force, kN	10	21	22
Frequency, Hz	60	62	58
Engine	Kohler KD15 350 Diesel	Kohler KD15 440 Diesel	Kohler KD15 440 Diesel
Engine output, max., kW (HP)	5.5 (7.5)	7.3 (10.0)	7.3 (10.0)
Power output at operating speed	4.6 (6.3) at 3,000 kW (PS) at r.p.m.	6.3 (8.6) at 3,300 kW (PS) at r.p.m.	7.3 (10.0) at 3,600 kW (PS) at r.p.m.
Working speed, m/min	0–58	0–75	0–75
Dimensions (L x W x H), cm	189 x 75 x 105	231 x 81 x 110	268 x 75 x 116

ADVANTAGES

- Low maintenance and easily accessible Diesel engine mounted at the front of the machine.
- Foldable, lockable guide bar for easy transport.
- Free of sides or small lateral projection allows working close to walls.
- Safe loading thanks to central lifting eye.
- Mechanical parking brake to prevent unintended movements.



MC 85 TRENCH ROLLER



MC 85

The MC 85 Trench Roller shows its strengths particularly on cohesive soils, which are often difficult to compact. The high centrifugal force along with the kneading effect of the sheepfoot rollers enables even heavy clay or soils with high water content to be compacted.

The hydraulic articulated steering offers good traction without the freshly compacted soil being torn open when the drums turn. Trench rollers are used to compact base layers for foundations, paths or parking lots: for backfills: in pipeline and sewer construction.

TYPE

MC 85

Operating weight CECE, kg	1.628
Drum width, cm	82
Centrifugal force, kN	73 / 36
Frequency, Hz	42
Engine	Kubota D1005 3-cylinder, water-cooled
Engine output, max., kW (HP)	17.5 (24)
Power output at operating speed	14.3 (19.6) at 2,600 kW (HP) at r.p.m.
Fuel consumption L/h	3.1
Working speed, km/h	1.4
Travel speed km/h	3.1
Dimensions (L x W x H), cm	202 x 82 x 130



MC 85 TRENCH ROLLER



ADVANTAGES

- Water-cooled, 3-cylinder Kubota diesel engine – innovative, modern and powerful. Meets the current emissions standards (Stage V and TIER 4f).
- Low operating costs: Eco mode switches the engine to idle speed when the remote control is not being operated.
- Protects the environment and saves costs due to low fuel consumption.
- High operational reliability and ease of use: The fail-safe radio remote control is self-explanatory.
- Service-friendly: Machine diagnostics can be carried out via the radio remote control.
- Safety for the operator: The machine stops if the distance between the operator and the machine is closer than 2 m (6.5 ft.)
- Long service life of the machine: The exciter housing is completely sealed within the rollers – this prevents damage caused by water ingress. All hydraulic hoses are securely installed and fully protected against chafing or damage.
- Easy maintenance: The oil-lubricated vibration exciters ensure a long service life.
- Versatile: The choice between two compaction settings (36 and 73 kN – 8,093 and 16,411 lbs.) enables universal use on construction sites.



Intuitive and easy to understand radio remote control – fail-safe and reliable.



Service-friendly thanks to the protective, wide-hinged engine hood (lockable).



CONCRETE TECHNOLOGY

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INTERNAL VIBRATORS

IVUR / IVURplus



0.8 m protection hose, handle,
10 m intermediate cable and 10 m connection cable



5 m protection hose,
10 m connection cable



5 m protection hose,
10 m connection cable

IVURplus 58 D

IVURplus 58

IVUR 58

IVUR – High Frequency Internal Vibrators are a combination, of an internal vibrator and frequency converter and the ideal solution for professional concrete compaction. The electronic converter is space-saving and integrated into the switch housing of the vibrator unit. The IVURplus and IVURplus D series offer even more flexibility. Held together by a plug-in and screw connection, internal vibrator and frequency converter can be disconnected with perfect ease. This feature allows users to exchange the vibrator section with a few easy steps. In addition a protective conductor monitoring safety feature checks if a protective conductor (grounding) is present and functioning properly. The version IVURplus D is available with a 0.8 meter protective tube and handle.

TYPE	IVUR 40	IVUR 50	IVUR 58
Operating weight CECE, kg	12.2	15.0	16.9
Vibrator diameter, mm	40	50	58
Vibrator length, mm	330	370	420
Rated output, W	650	850	1,050
Input amperage, max., A	3.7	4.6	5.7
Voltage, V	230	230	230

TYPE	IVURplus 40 / IVURplus 40 D	IVURplus 50 / IVURplus 50 D	IVURplus 58 / IVURplus 58 D
Operating weight CECE, kg	12.8/12.6	16.0/14.4	17.9/16.4
Vibrator diameter, mm	40	50	58
Vibrator length, mm	330	370	420
Rated output, W	650	850	1,050
Input amperage, max., A	3.7	4.6	5.7
Voltage, V	230	230	230



IVUR 40



IVUR 58



IVURplus 58



IVU ..



URplus

ADVANTAGES IVUR AND IVURplus

- High safety standard: The electronic system provides protection against, short circuits and earth leakage faults as well as overheating (in accordance with VDE and EN safety standards). A protective conductor monitoring feature checks if a protective conductor (grounding) is present and functioning properly.
- Flexible converter electronics: the internal vibrator can be reliably operated by power generators, as the electronic system offers a wide input voltage range (stable up to a voltage of 450 volts).
- Powerful and consistent in RPM-speed: thanks to the high motor performance, the IVUR internal vibrators are powerful and provide consistent speed during compaction.

DETAIL OF THE INTERNAL VIBRATOR

- Rugged and durable design due to safely encapsulated and thus vibration-proof stator windings (winding class H, short-term heatresistant up to 180° C).
- Thermo sensors reliably protect stator windings against "burning out".
- Reduced wear due to hardened pokers.
- Low maintenance and repair costs thanks to repairable pokers and available spare pokers.

DETAILS OF THE FREQUENCY CONVERTER

- Safe and long-lasting use of the internal vibrator due to vibration-proof, encapsulated electronics.
- A carrying handle at the converter housing ensures easy transport of the internal vibrator.
- The smooth start of the electronics prevents a collapse of the power supply or the main circuit breaker.
- Quick trouble shooting in case of failures thanks to light-emitting diodes of the electronic system. Defective units will soon be ready for use again.

→ AVAILABLE ACCESSORIES

- Rubber heads.
- Spare pokers.
- Strap.
- Longer protection hose.





INTERNAL VIBRATORS IV



IV 58



IV 40 S



IV 58 D

IV-concrete internal vibrators are connected to voltage converters (see next page).

TYPE	IV 31 [48 Volts]	IV 40 [48 Volts]	IV 50 [48 Volts]	IV 58 [48 Volts]	IV 68 [48 Volts]
Operating weight CECE, kg	9.5	10.5	14.0	15.5	16.5
Vibrator diameter, mm	31	40	50	58	65
Vibrator length, mm	330	330	370	420	450
Rated output, W	750	550	850	1,050	1,550
Input amperage, max. A	10	8	15	16	24

IV-internal vibrators: 5 m protection hose, 15 m connection cable.

TYPE	IV 40 D [48 Volts]	IV 50 D [48 Volts]	IV 58 D [48 Volts]	IV 40 S [250 Volts]	IV 50 S [250 Volts]	IV 58 S [250 Volts]
Operating weight CECE, kg	7.5	9.5	11.0	12.0	16.0	17.5
Vibrator diameter, mm	40	50	58	40	50	58
Vibrator length, mm	330	370	420	330	370	420
Rated output, W	550	850	1,050	650	850	1,050
Input amperage, max. A	8	15	16	1.8	2.8	3.0

VOLTAGE CONVERTERS WU / EFU



	EFU 1,3	EFU 3,8	WU 2,6 - 2RD
TYPE	WU 1,8 - 1RD [230 Volts]	WU 2,6 - 2RD [400 Volts]	WU 4,0 - 3RD [400 Volts]
	Undercarriage is standard on WU 2,6 and WU 4,0		
Operating weight, kg	34	41	50
Output voltage, V	48	48	48
Power, kVA	1.8	2.6	4.0
Current output, A	25	36	55
Number of sockets	1	2	3
Dimensions, (L x W x H), cm	60 x 29 x 41	74 x 41 x 54	74 x 41 x 54

TYPE	EFU 1,3 [230 Volts]	EFU 1,3 S [230 Volts]	EFU 2,7-Twin [230 Volts]	EFU 3,8 [400 Volts]	EFU 5,6 [400 Volts]
Operating weight, kg	14,5	8,5	30	34	39
Output voltage, V	48	250	48 + 250	48	48
Power, kVA	1.3	1.3	2.7	4.0	6.0
Current output, A	16	4,5	32/7	48	75
Number of sockets	1	1	2 + 1	3	3
Dimensions, (L x W x H), cm	39 x 18 x 26		53 x 30 x 48	53 x 30 x 48	53 x 30 x 48

→ INFORMATION

Selection of voltage and frequency converters for operation of high frequency internal vibrators:

- The converter output voltage (volts) must always match to the voltage of the internal vibrator/-s (volts).
- The current consumption (ampere) of the internal vibrator should not be more than the current output of the converter (ampere).
- The number of the internal vibrators which could be connected to the converter is limited to the existing outlets.



CUTTING TECHNOLOGY

SM 52 – 53





PAVEMENT SAWS SM



SM 82-3

A cutting depth of 190 mm [7.5 in.] and a powerful gasoline engine emphasize the performance-oriented machine concept of the SM 82-3. Thanks to its rugged design, the machine efficiently handles a wide range of cutting tasks.

An engine balance shaft is provided for low-vibration running and a long blade life. In addition, the machine features a swivel arm for adjusting the cutting blade depth. The engine always remains in the horizontal position for an optimum lubrication.

The constant center of gravity increases the pressure on the cutting blade and thus ensures a smooth forward movement and a long service life of the cutting blade.



SM 62-2 Hd

Cutting asphalt and concrete down to a depth of 145 mm [5.7 in.], the SM 62-2 Hd is the ideal solution of a wide range of small to medium-scale cutting tasks. Its powerful engine and balanced design ensure optimum efficiency. The engine features a balance shaft for low-vibration running and a long blade life. In addition, the SM 62-2 Hd comes standard with a swivel arm for adjusting the cutting blade depth. The engine always remains in the horizontal position. The constant center of gravity increases the pressure on the cutting blade and thus ensures a smooth forward movement and a long service life of the cutting blade.



SM 57-2 Hd

The compact and rugged pavement saws of the SM-57-2 series are ideal solutions for daily cutting work. Thanks to their powerful engines, they allow quick and efficient cutting down to a depth of 120 mm [4.7 in.].

→ TECHNICAL DETAILS

- Indicator scale for cutting depth with preset device.
- Water tank.
- Water splash guard.
- Quick adjustment with foot lock.

Diamond blades are available for asphalt or concrete cutting.



TYPE	SM 82-3	SM 62-2 Hd	SM 57-2 Hd
Operating weight CECE, kg	131	86	70
Cutting depth max., mm	190	145	120
Cutting disc diameter, mm	500	400	350
Engine	Honda GX390 4-stroke, gasoline	Honda GX390 4-stroke, gasoline	Honda GX270 4-stroke, gasoline
Engine output max. kW (HP)	8.7 [11.9]	8.7 [11.9]	6.3 [8.6]
Power output at operating speed	8.2 [11.2] at 3,600 kW (HP) at r.p.m.	8.2 [11.2] at 3,600 kW (HP) at r.p.m.	5.1 [7.0] at 3,600 kW (HP) at r.p.m.



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