



Compact, powerful, comfortable

# HC COMPACTLINE SERIES

HC 50i - HC 70i





# POWERFUL CLIMBER

Small compactors with excellent gradeability

Founded in 1878, HAMM has focused on the manufacture of rollers for road building since the beginning of the 20th century. From that time on, HAMM has been the driving force and trendsetter in the industry. Many technologies and solutions that have become the standard in the compaction sector were developed by HAMM.

With the compactors from the HC CompactLine series, HAMM is continuing this development in the field of compact machines. Extremely modest dimensions have been splendidly combined with an intelligent design and a modern, powerful drive system. The result: Impressive compaction power with outstanding gradeability.

With its compact design and short wheelbase, the HC CompactLine is perfect for cramped construction sites, maintaining paths, gardening and landscaping and the compaction of trenches. The HC CompactLine is also equipped for the digital future: Via various interfaces, digital components – such as HAMM's Smart Doc documentation system – can be quickly and easily integrated in the compaction process.



## HAMM PRODUCT RANGE

### TANDEM ROLLERS, ARTICULATED

- > Drum width: 800 - 2,140 mm
- > Operating weight: 1.5 - 14 t

### TANDEM ROLLERS, PIVOT-STEERED

- > Drum width: 1,500 - 1,680 mm
- > Einsatzgewicht: 7 - 9 t

### SOIL COMPACTORS

- > Drum width: 1,370 - 2,140 mm
- > Operating weight: 5 - 26 t

### PNEUMATIC-TYRE ROLLERS

- > Width over tyres: 1,127 - 1,830 mm
- > Operating weight: 4 - 27 t



# OVERVIEW OF THE HIGHLIGHTS

Perfectly equipped

## 01 Operation and comfort

- > Ergonomically optimal working conditions
- > Safe, intuitive operation
- > Comfortable workstation
- > Comfort options for all climate zones

## 02 Off-road mobility

- > Large slope angle
- > Excellent gradeability
- > Short wheelbase
- > Outstanding driving stability

## 03 Compaction

- > 3-point articulation for superb directional stability
- > Automatic vibration system
- > Vibrating roller drums and VIO drums

## 04 Visibility

- > Compact construction
- > Outstanding overview from any seat position
- > Exterior rear-view mirror can be adjusted from the driver's seat
- > Camera system

## 05 Eco-friendliness

- > ECO mode in every exhaust emissions category
- > Automatic engine stop
- > Use of HVO fuels

## 06 Digital future

- > Smart Doc
- > Process data interface



- > Ideal rental machine
- > Eco-friendly operation
- > Outstanding design
- > Smart Compaction



HAMM SUSTAINABILITY describes innovative technologies and solutions which are consistent with the sustainability objectives of the WIRTGEN GROUP.



# ALL-ROUND COMFORT

Ergonomic, safe and modern

## Flexibly adaptable to suit all drivers

HC CompactLine compactors offer optimised ergonomic working conditions. This means the seat position can be accurately adjusted and, as an option, the tilt of the steering column can be adjusted via a pedal. The exterior rear-view mirror can be adjusted very elegantly: Through the front half of the vertically split windows, the mirrors can be effortlessly cleaned and adjusted - without the need to get out of the cabin. The rear half of the windows can also be opened and adjusted so as to achieve draught-free ventilation. These advantages pay dividends in machine rental, and wherever many different drivers use the same roller.

## Comfortable cabin

HAMM has largely isolated the operator's platform from vibrations. The quiet driving behaviour creates maximum driving comfort for the operator. The high cabin also offers plenty of headroom. The available standing space has also been increased thanks to the curve of the front and rear windscreens. A lunch box holder, ample storage space and two 12 V sockets for mobile phones, etc. - all fitted as standard - ensure enjoyable work.

### 01 Ergonomics

- > The tilt of the steering column with dashboard and steering wheel can be adjusted in small increments
- > Vibration-isolated operator's platform

### 02 Driver's seat

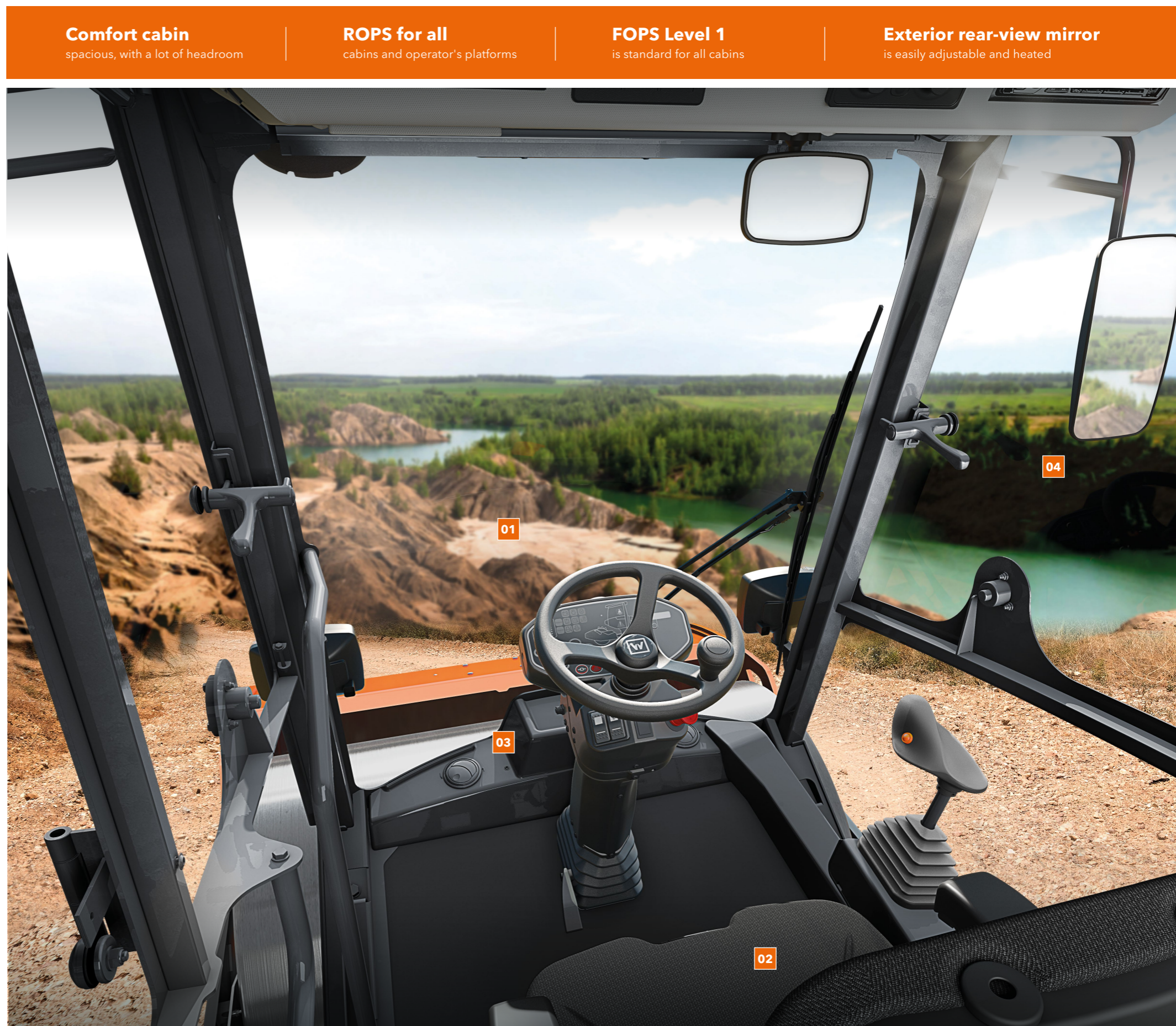
- > Can be rotated in either direction
- > Laterally adjustable (option)
- > Individually adjustable to size and weight
- > Adjustable armrests

### 03 Comfort

- > Lockable storage compartment for mobile phone
- > Quiet cabin

### 04 Window

- > Simple adjustment of the exterior rear-view mirror
- > Comfortable ventilation
- > Split windows on both sides



**Comfort cabin**  
spacious, with a lot of headroom

**ROPS for all**  
cabins and operator's platforms

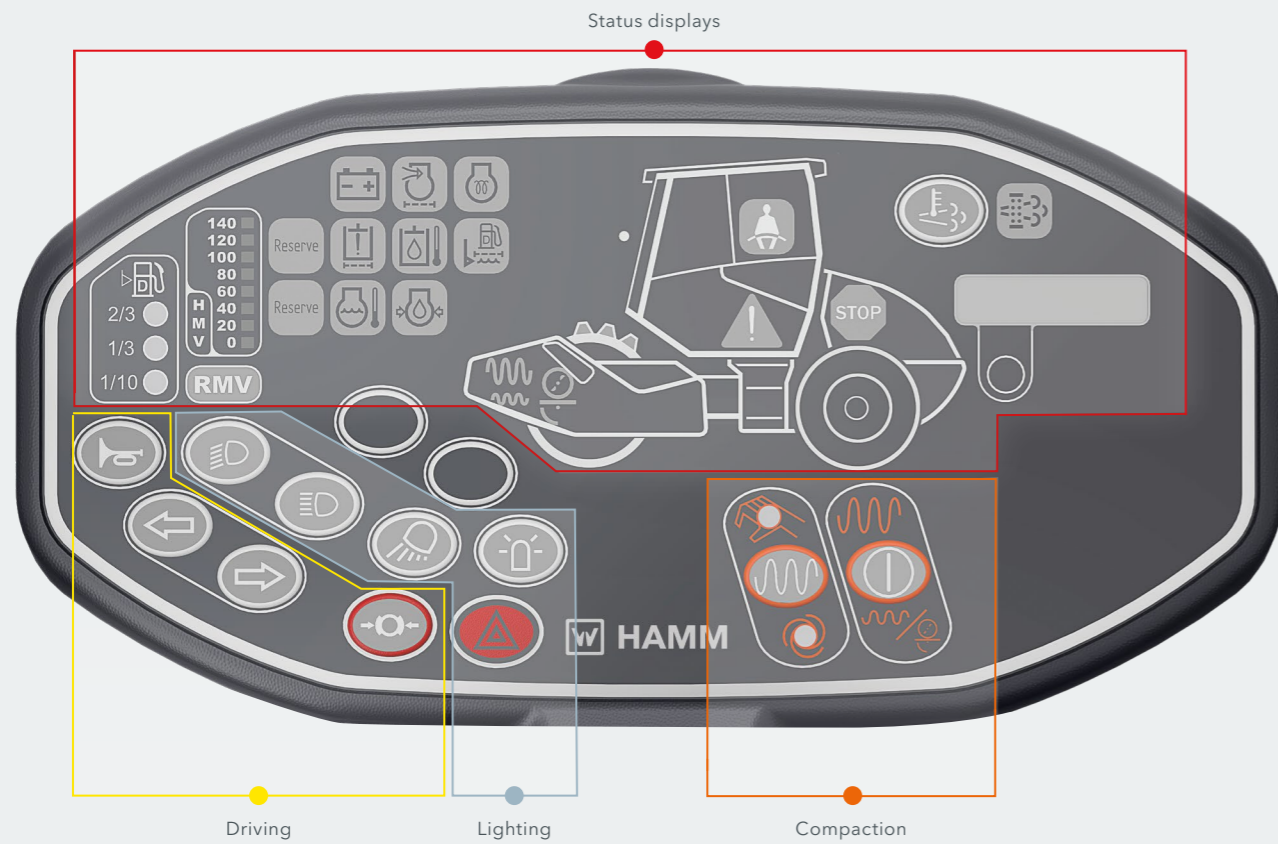
**FOPS Level 1**  
is standard for all cabins

**Exterior rear-view mirror**  
is easily adjustable and heated



# SAFE AND SIMPLE

First choice for rental



The drive control is actuated via an ergonomically shaped joystick.



The very clear layout of the dashboard on the HC CompactLine from HAMM can be seen at a glance. The few buttons are easily accessible. The status and parameter indicators on the integrated display are grouped into functional units with the buttons and colour-coded. This makes operation easier, since the same applies here as it does to all other HAMM rollers: Same colour - same functional group.



## Logical operation

Straightforward operation is one of the hallmarks of HAMM rollers. One of the key elements: No language knowledge is needed to understand the displays. Clear symbols and the logical layout prevent operator errors and make a major contribution to intuitive operation. Every manual operation perfectly matches the arrangement of the operating elements and the layout of the operator's platform. After nightfall, luminous buttons provide the necessary clarity.

## HAMM > FIRST CHOICE FOR RENTAL

Their ease of operation makes these rollers perfect rental machines because drivers can operate the small compactors correctly and do a good job right from the start. That helps to promote safety.

The clear operating concept is complemented with useful options for the rental market, such as the telematics interface, electronic battery isolation switch, automatic engine-off function, padfoot shells, special combination scrapers and a VIO drum version.



# ALL-ROUND VISIBILITY - WITH COMFORT

Perfect visibility in all directions

## Compact design

HC CompactLine compactors are built to an extremely compact design. Thanks to the short design and very narrow engine hood, a first-class view of the drum, wheels and the area around the compactor can be seen from the operator's platform or from the cabin.

Exterior rear-view mirrors ensure visibility in the area behind the driver's seat. A camera system can also be installed on request. The outstanding visibility pays off especially in cramped or steep construction sites: Since the HC CompactLine is simple to handle and at the same time very safe, the driver can concentrate on driving and compacting.

## Safe even in the dark

To ensure good visibility in the dark, the HC CompactLine series is equipped with bright work lighting. Halogen bulbs are installed as standard, but LED bulbs with a natural light effect are also available as an option. A lighting package for operation on public roads is also available as an option.

The Coming Home function ensures additional safety: After switching off the machine, the light remains switched on for a brief period before the spotlights are deactivated automatically. The illuminated area around the roller makes it easier for drivers to find their way back in the dark.



Unobstructed view backwards with no intrusive exhaust pipe. All models exceed the requirements of the standard for visibility.



The outstanding all-round visibility from the ergonomically designed operator's platform makes for safe and easy handling of the roller.

Measuring 4.40 m, the HC 70i is the world's shortest compactor in the 7 t class.



# ABSOLUTE CLIMBING ABILITY

Powerful travel drive and practical frame design

## Up to 60% gradient

In the HC CompactLine, HAMM has achieved a splendid combination of very compact dimensions with an intelligent design and a modern, powerful drive system using wheel motors. As a result, the compactors have an excellent gradeability of up to 60%, exceptionally large slope angles and ample ground clearance. That is the reason why they boast such outstanding manoeuvrability - whether in cramped spaces or on uneven and steep terrain.

## Powerful travel drive

The travel drive is implemented using hydraulically powered wheel motors. A hydraulic, continuously active anti-slip control without electronic components distributes the torque to the front and rear axle quickly and without loss. This is what makes the large climbing angle possible.

Due to their compact design and short wheelbase, the HAMM HC CompactLine compactors are perfect for cramped construction sites. Tasks, such as maintaining paths in gardening and landscaping or compaction of trenches, can be handled with ease, because you can even drive into very steep trenches for compacting there.



The very large front slope angle is thanks to the shape of the crossbeam. The distance between the crossbeam and the drum is so large that material cannot build up.



The combination of compact design, ample ground clearance and large slope angles enables safe driving even on uneven terrain.





# THE ALL-TERRAIN MASTER

Large tanks and reliable system

## Always the right compaction technology

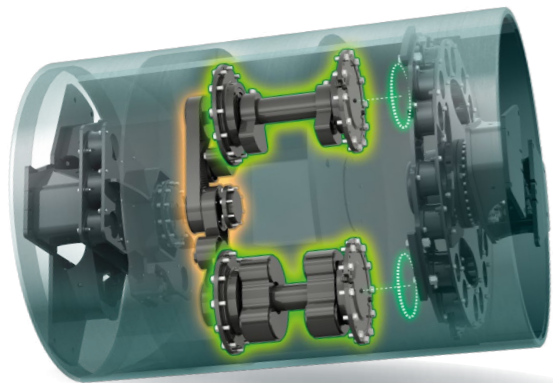
Drums with different exciter systems are available for the HC CompactLine series. In addition to the classic vibrating roller drum, there are also models with VIO drum, which can carry out compaction work with vibration or oscillation.

All models can be equipped with an automatic vibration system on request. This activates or deactivates vibration as soon as a defined speed is exceeded or it falls below the defined speed therefore effectively prevents over-compaction.

The HC 50i works with a fixed amplitude. The HC 70i can compact with two different amplitudes - in each case with an appropriate vibration frequency.

## For cohesive soils: Padfoot drums

For compaction of very cohesive soils, there are compactors with padfoot drums. The two-part padfoot shells offer particular flexibility. They can be used to convert any smooth drum to a padfoot drum in next to no time. This is complemented by the ingenious combination scraper. After mounting or dismounting of the padfoot shells, it can be adjusted to suit the drum in a few easy steps.



VIO-drum

### Vibration and oscillation

The compactors compact the ground due to their weight, which acts on the substrate during the double pass. If the drums are caused to vibrate at the same time, the compaction effect increases significantly.

### Vibration

During vibration, the drum performs a fast, circular movement. This results in the compaction energy being directed vertically into the substrate, achieving a powerful depth effect.

### Oscillation

During oscillation, the drum performs a rapidly alternating forwards/backwards rotational movement. This introduces the compaction energy tangentially to the front and back and into the substrate. In contrast to a vibrating roller drum, it acts dynamically on the substrate all the time. It is always in contact with the ground. This also results in constant static compaction using the machine weight.

### VIO

The VIO drum combines vibration and oscillation in one system. The driver can switch between the two compaction systems while the roller is moving. This makes these compactors particularly versatile, as they are able to compact dynamically by means of oscillation, even in vibration-sensitive areas - a clear time and quality advantage.



For the combination scraper (optional), there is a fixed bracket to hold the scraper blades and the option of securely attaching scrapers that are not required to the crossbeam.



# ALL-TERRAIN SPECIALIST

Efficient on any terrain



### 3-point articulation for maximum quality

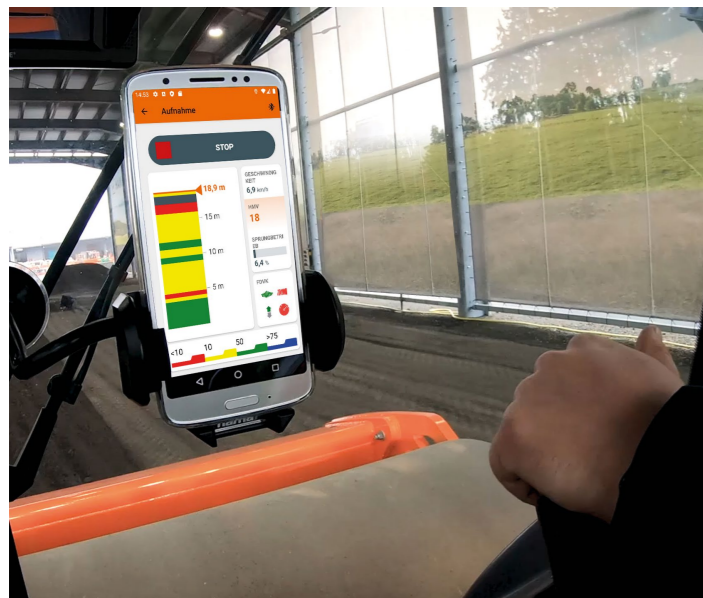
The 3-point articulation developed by HAMM is the key to exceptionally favourable weight distribution, which leads to outstanding driving stability, for example. This benefit is particularly apparent when compacting uneven ground. Here, too, the articulated joint makes for unrivalled driving comfort. Even at full steering lock, the chassis design ensures uniform weight distribution over the drum and rear axle along with gentle shock absorption. In addition, the risk of tipping when cornering is greatly reduced.

Thanks to their even weight distribution, the compactors have high traction, even on rough terrain.



### Compaction progress under control

To assess the compaction progress, the compactors can be equipped with the HAMM Compaction Meter. HAMM is the only manufacturer in the world to also offer a compaction meter for oscillation with VIO compactors.



### Smart Doc: Assistance for optimal compaction

The "Smart Doc" app combines data from the machine control system with data from the Smart Receiver (GNSS receiver). As a result, important compaction parameters and the compaction progress are displayed and logged on a smartphone or tablet. In this case, "compaction maps" show at a glance the areas which have already been sufficiently compacted, and those which require further compaction. Data is exchanged between the machine control system, Smart Doc and the Smart Receiver via Bluetooth.

 Smart Doc - The quality assurance

The smartphone or tablet is secured on the front windscreen or on the guard rail using corresponding brackets.

# LOW-EMISSION ENGINE TECHNOLOGY

Thrifty and quiet

### Efficient and clean

The compactors are driven by quiet, reliable and efficient water-cooled 4-cylinder Kubota diesel engines. They deliver adequate power for efficient compaction and for the travel drive at all times. These modern engines, together with the eco-friendly exhaust gas cleaning technology, meet the legal requirements. They can also run on HVO fuels.

### Economical automatic mechanisms

The optional automatic engine stop in the compactors helps cut costs and emissions, because the engine switches off automatically after an extended period of inactivity. This lowers diesel consumption, prevents unnecessary noise emissions and minimises the number of operating hours. All of these effects add up to high acceptance and low operating costs.

### ECO mode included

Operation in ECO mode reduces engine speed, noise emissions and fuel consumption. The required fuel volume is automatically adjusted with the speed preselection.





# QUICKLY COMPLETED

Also efficient to maintain

## Less time in the workshop, more time on the construction site

Construction firms and machine rental companies regard the HC CompactLine highly for its clear and simple operation, comprehensive standard equipment and speedy maintenance.

The few service points mean the maintenance concept is clear and easy to follow. All points for daily maintenance are easily accessible on one side of the engine. So the daily check of the HC CompactLine is completed in next to no time.

The engine hood opens up in two stages: At a wide angle for extensive work and a smaller opening angle for daily maintenance.

Few service points make for great quality: Daily maintenance is therefore performed quickly.

- 01 Easy access**
  - > Wide-opening engine hood
  - > Convenient access to filters and dipsticks
- 02 Fuel tank**
  - > Refillable from ground level while standing
- 03 Scraper**
  - > Can be easily replaced



### Design

Since the 1980s, HAMM has considered design to be a crucial element in product development. And this has proven to be a successful move, as illustrated by the fact that HAMM has, to date, won 40 international design and innovation awards, making it the front runner in the construction industry.



### Environmental protection at every stage

On the construction site, HAMM rollers are impressive thanks to their low fuel consumption. What's more, most models can not only be operated with diesel, but also with non-fossil fuels. HAMM AG's main plant is certified in accordance with ISO 14001, meaning that HAMM is constantly striving to reduce emissions and the use of resources even in the production of rollers.



### Smart Compaction

With Smart Compaction, HAMM has brought together all the key elements required for digitally supported compaction. The systems record relevant parameters as well as position data, and use graphs to display work progress. The data can also be exported into a variety of formats for analysis and documentation.



### Ideal for rental use

The intuitive operation of HC CompactLine rollers is also important in terms of safety and economic viability. It enables safe and productive compaction right from the start. Machine rental companies also appreciate this advantage because the HC CompactLine rollers are not only small in size and productive, but also exceptionally easy to handle.





# OPTIONS FOR EVERY EVENTUALITY

Tailored for all applications and regions

**HAMM has thought of everything. Thanks to numerous additional options, the rollers can be precisely adapted to the requirements.**

### Automatic engine stop

Automatic engine cut-off after an extended period of inactivity. Saves fuel and hence operating costs.

### HAMM Compaction Meter (HCM)

HAMM Compaction Meter for display of HMV value for all models. VIO compactors also available with compaction meter for oscillation compaction.

### Smart Doc with GNSS

Smartphone app for compaction control. Helps the driver by providing "compaction maps" with a graphic depiction of the compaction status.

### Levelling blade

Levelling blade for machines with smooth or padfoot drums. Available in many versions. Precise control.

### Seat belt monitoring device

Issues an acoustic and visual warning as soon as it detects that the seat belt is not fastened.

### Process data interface

For easy export of the process data (continuous compaction control) in common documentation systems.

### Telematics interface

Standardised interface for the transmission of machine data.

### LED work spotlights

4 LED spotlights (2 front, 2 rear) on the cabin roof or protective roof

### Camera system

Camera on the cabin roof with display on the dashboard.

### Heating and air-conditioning system

Cabin available with either heating or with a heating and air-conditioning system.



Levelling blade



Smart Doc



Padfoot shells

# YOUR WIRTGEN GROUP CUSTOMER SUPPORT

Service you can rely on.

Trust our reliable, rapid support for the entire life cycle of your machine. Our wide range of services can provide you with the right solution for any challenge you may face.



### Service

We honour our service promise - with fast, straightforward assistance, whether on the construction site or at our professional workshops. Our service staff are expertly trained and, thanks to our special tools, repair, care and servicing are carried out swiftly. On request, we can draw up a service agreement that is tailored specifically to your needs.

> [www.wirtgen-group.com/service](http://www.wirtgen-group.com/service)



### Spare parts

With WIRTGEN GROUP original parts and accessories, we ensure that your machines always achieve a high level of reliability and availability. Our experts are also on hand to offer advice on wear part solutions that are optimised for specific applications. Our parts are readily available across the globe and are easy to order.

> [parts.wirtgen-group.com](http://parts.wirtgen-group.com)



### Training

The WIRTGEN GROUP product brands are specialists in their field and have decades of experience. Our customers, too, can benefit from this expertise. We are happy to impart our knowledge to you as part of our WIRTGEN GROUP training scheme, with courses tailored specifically to operators and service staff.

> [www.wirtgen-group.com/training](http://www.wirtgen-group.com/training)



### Telematics solutions

Construction machines with leading technology and perfected telematics solutions work hand-in-hand in the WIRTGEN GROUP. The Operations Center\* - the digital platform for process, machine and service optimisation - enables you to not only simplify maintenance planning for your machines, but also to increase your productivity and cost-effectiveness.

> [www.wirtgen-group.com/telematics](http://www.wirtgen-group.com/telematics)

\* The John Deere Operations Center™ (formerly WITOS) is currently not available in all countries. Please consult your responsible subsidiary or dealer if you have any questions.



# TECHNICAL DATA AT A GLANCE



## HC CL SERIES

Machine model	Basic data			Drums / variants		
	Weight class (t)	Drum width (mm)	Engine power (kW)	V	VIO	P
<b>Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard</b>						
HC 50i	5	1370	55.4	•		•
HC 70i	7	1680	55.4	•	•	•

V Smooth drum with vibration  
P Padfoot drum with vibration

VIO Smooth drum with vibration or oscillation



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