



Powerful earth workers

SERIES HC

HC 110 - HC 130



DURABLE AND EFFICIENT

Modern compaction equipment for powerful soil compaction

Founded in 1878, HAMM concentrated on the manufacture of rollers for road construction from the beginning of the 20th century. It was in 1911 when HAMM developed the first road compaction equipment worldwide with a diesel engine. Since then, HAMM has been the engine and idea generator of the industry. Many technologies and solutions that are global standard in compaction technology today were developed at HAMM. Moreover, HAMM rollers are convincing because of their ergonomic and innovative design. HAMM has been awarded more than 40 design and innovation prizes in the past 25 years.

The compactors of the HC series can be used universally in earthworks. For soil compaction in cities, on highways, airports or other large areas, they bring a lot of power to the construction site.

The compactors all come with drum drive. They offer a modern, comfortable operating platform, very good ride and handling characteristics, and a highly efficient operation mode that enables fuel savings of up to 20%.



HAMM PRODUCT RANGE

TANDEM ROLLERS

- > Drum width: 800 - 2140 mm
- > Operating weight: 1,5 - 14 t

SOIL COMPACTORS

- > Drum width: 1370 - 2140 mm
- > Operating weight: 5 - 26 t

PNEUMATIC-TYRE ROLLERS

- > Working width: 1127 - 1830 mm
- > Operating weight: 4 - 27 t

OVERVIEW OF THE HIGHLIGHTS

Perfectly equipped

01 Operation & Comfort

- > Up-to-date dashboard, lever, steering column and seat
- > Simple, intuitive, language-neutral and safe operation
- > Ergonomic and comfortable driver's platform with plenty of space

02 Visibility

- > Outstanding overview of machine and construction site
- > Optimum visibility thanks to intelligent design of the engine hood
- > Powerful LED lights ensure good sight and visibility

03 3-point articulation

- > Even weight distribution
- > First-class traction
- > Outstanding driving stability even on uneven ground

04 Engine technology

- > ECO mode saves fuel and reduces CO₂ emissions
- > Reduced noise emissions
- > Full compaction power in ECO mode
- > Engine ready to use B20 fuel

05 Compaction

- > High static linear load and high centrifugal force
- > Automatic vibration system
- > All models with drum drive
- > Large slope angle for efficient compaction
- > Dual scrapers prevent soil building up and reduce downtime

06 Simple maintenance and servicing

- > Wide opening engine hood enable easy maintenance
- > All standard filters accessible from the floor

- > Environmentally friendly technologies
- > Outstanding design



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

EQUIPPED FOR COMFORT

Ergonomically optimised and comfortable

Protective roof as standard

ROPS/FOPS roof or cabin as an option

USB connection

and 12 V socket on the operator's platform

Built-in storage compartment

for documents and personal items



As the agile compactor comes with direct steering, there is less steering work for the operator.

Ease of operation

The Series HC compactors' platform offer operators plenty of space, is vibration-isolated and accessible from the left side.

The comfortable driver's seat can be moved forwards and backwards. As an option, the seat can also be adjusted in height. Here, every driver is sure to find a comfortable working position.

The HC series offers ergonomically optimised workspaces as standard. They allow the drivers to work with total concentration for many hours at a stretch.

Pleasant noise level, pleasant temperature

Although the engine is generously dimensioned with 101 kW, the HC series compactors impress with a low sound pressure level, especially when working in ECO mode.

An optimum design of air duct facilitates effective engine cooling without heating up the operator's platform, even at an ambient temperature of up to 50°C.

SIMPLE AND CLEAR

Self-explanatory cockpit design for intuitive operation

01 Operator's platform

> Platform with protective roof or ROPS/FOPS roof (option) equipped with handrails and railing, or spacious cabin.

02 Vandalism protection

> Dashboard cover to prevent vandalism as part of standard scope of supply.

03 Dual amplitudes

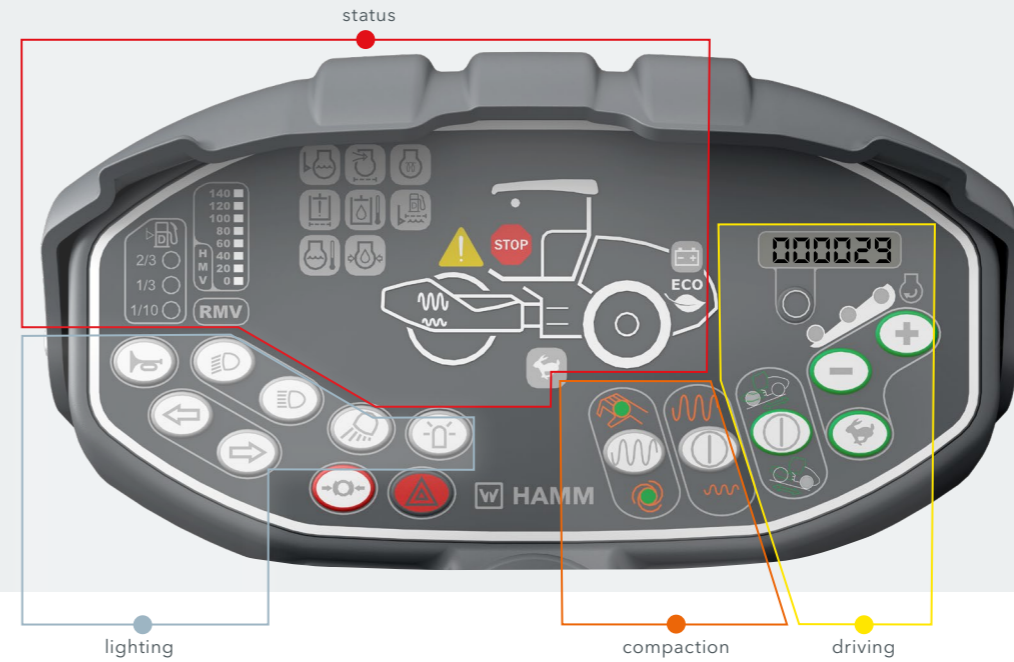
> Operator can choose from the dashboard between two amplitudes for compaction. This enables a variety of soils and gravel to be compacted.

04 Clear display

> Display with clear symbols comprehensively shows the state of the machine including the engine speed and indicates fault signals.

05 Large capacity fuel tank

> Large capacity fuel tank permits long operation and few refueling stops. Dual locking device.



The operator's display, designed with clear symbols, ensures easy operation even without language skills. The display comprehensively shows the state of the machine and indicates fault signals.

Straightforward design enables quality compaction

On the dashboard, drivers will find all the status displays that are of importance for operation. They are explained by simple, internationally understandable symbols. So the HC series compactors can be operated entirely without language skills.

The switches on the dashboard are grouped together in a logical arrangement, so that the functions are discernible at a glance without any need for explanation. The driver is always fully informed about the current operating status of the machine - an important prerequisite for high-quality compaction.

Well structured

In terms of operation, drivers of HC series compactors have it really easy: everything is clearly laid-out and self-explanatory. Drive control is via a single lever. The activation switch for the vibration is located on the drive lever, so that the two most frequently used functions can be controlled with one hand.

For even more comfort, the steering column can optionally be continuously adjusted in angle of inclination.



UNOBSTRUCTED VIEW

For safe, complete and high-grade works



Safety and high compaction quality thanks to the outstanding overview of the machine and surrounding construction site from any sitting position.

Good visibility for safe and high-quality compaction

The HC series soil compactors provide remarkably good visibility from the large operator's platform. Drivers see everything in the immediate working area around the machine as well as in the general environment of the construction site.

When driving forward, the drum is always in their field of vision. The tyres and the space behind the compactor are fully visible because the engine hood has a slimline, sloping shape and the exhaust pipe is positioned so as not to interfere with the all-round view. The good visibility thus ensures high-quality compaction and a high level of safety.

Powerful lights

The HC series compactors are equipped with powerful 4-fold LED working lights as a standard feature. The front and rear working lights and a tail lamp ensure optimum sight and visibility, even at night time or when working under poor lighting conditions.



Unobstructed view of the drum as well as to the rear and to the tires with no intrusive exhaust pipe.

IMPRESSIVE PERFORMANCE

Strong, even on slopes

Great compaction performance

The HC series compactors bring enormous compaction force to the construction site. Their static linear load is every bit as impressive as their centrifugal force.

The powerful John Deere engine provides full compaction force at all times, as the vibration operates at nominal frequency immediately after activation. A run-up of the vibrators is not perceptible to the driver.

Vibration always under control

The automatic vibration system (option) switches the vibration off as soon as the single-drum compactors come to a standstill. This avoids over-compaction and ensures high-quality surfaces.

Climbing ability and optimum traction

The ingenious power train concept provides great climbing ability. All models come with drum drive, so they are ideal also for compaction on steep terrain. They easily master slopes of up to 58 %, and the rear axle with limited slip differential prevents wheelspin.

A differential lock on the rear axle of the compactors ensures good traction. This also reduces tyre wear.

Quality monitoring

HAMM offers various options for internal and external quality monitoring. The HCM (HAMM Compaction Meter) is ideal for quick information on compaction results. It shows weak zones and helps to prevent extra passes immediately while compacting to the driver.

Dual scraper bar

smooth working conditions in forward and reverse direction

Slopes up to 58 %

thanks to drum drive

High static linear load

of up to 32,6 kg/cm

Automatic vibration system

switches vibration on and off



PRECISE STEERING & SAFE DRIVING

Optimum handling in any situation



The HAMM 3-point articulation is the key to an exceptionally favourable weight distribution, enormous driving stability and supreme traction.

Even weight distribution

The 3-point articulation made by HAMM ensures uniform weight distribution between the front and rear sections, even at full steering lock.

Another benefit of the 3-point articulation is the enormous driving stability. It is combined with an outstanding traction, even in rough terrain.

Optimum handling characteristics

While compacting uneven ground, the articulated joint guarantees unrivalled driving comfort because it absorbs shocks extremely effectively. In addition, any tendency of tipping in curves is greatly reduced - an important safety factor.



POWERFUL DRIVE

Robust solutions - ECO mode included

Robust engine technology

The HC series compactors combine modern design with proven engineering. They put their capabilities to the test day in, day out, in every corner of the world.

The modern 101 kW 4-cylinder diesel engine provides ample power with which to drive all components of the HC series compactors. At the same time, it has adequate reserves for efficient compaction, even under extreme conditions.

The power unit has two fuel filters as standard. In order to ensure a good water separation rate, an additional water separator is also part of the standard equipment.

This makes sure that excess water is eliminated from the diesel fuel to ensure a reliable operation. So downtimes are reduced significantly.



The engine can also be operated with B20 fuel. Up to 20% of this fuel is derived from biological sources.

ECO mode for fuel efficient operation

The engine is designed to provide optimal performance and maximum customer value in every application. There are optimized RPM for travel and vibration mode which saves fuel.

When ECO mode is selected, the motor rotates at a maximum of 1800 rpm. This keeps the fuel consumption low - and therefore also the CO₂ and noise emissions. Engine wear is also significantly reduced.



Always full compaction power

In ECO mode, the frequency and centrifugal force - and thereby the compaction power - remain at a constantly high level. This is made possible by large-dimensioned hydraulic components and an intelligent control system.

The efficient oil and water cooling is designed in a way that the volume flow of cooling air adapts to the required cooling capacity. This also reduces both power consumption and noise emissions. The drive is designed for use at outdoor temperatures of up to 50°C.

A separate safety alarm and indication of high cooling water temperature prevents from damages in event of low lubricant oil pressure.



In ECO mode, the compactors work at a reduced speed of 1800 rpm. The compaction power stays consistently high.

EASY MAINTENANCE

Efficient in every detail

Quickly done: daily maintenance

The few maintenance tasks on the HC series compactors are quickly done because the engine compartment is very low, making it readily accessible for the workshop technicians. The engine hood can be quickly and easily opened to a wide angle.

Moreover, all maintenance points and the battery are easily accessible from the ground for checks and replacements. The central electrical system is positioned on the operator's platform. You can check and work on the central electrical system while standing. The battery isolation switch integrated as standard ensures safety when performing maintenance work.

To allow maintenance work to be performed in any situation, the standard equipment also includes a chock and a tool kit.

Solutions for value retention

WIDOS - the WIRTGEN GROUP Documentation System - is part of the package. This system covers the complete spare parts catalogue, all instructions, hydraulic, electrical and hose system plans, machine data and documentation, safety instructions, component pictures and service documentation in numerous languages.

When it comes to the exchange of spare parts, the parts are provided quickly and reliably.

Simple maintenance and servicing

All daily maintenance points are located in readily accessible positions on the same side of the machine - an important prerequisite for fast checks.



- 01 Engine oil**
 - > Easy fill level check
 - > Easy filling
- 02 Fuel filter**
 - > Easily accessible for filter replacement
- 03 Hydraulic oil tank and filter**
 - > Easily accessible fill level indicator
 - > Easy filling
 - > Additional filter for particle-free hydraulic oil
- 04 Air filter**
 - > Easy visual inspection
 - > Air filter is replaced conveniently from ground level



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 more than 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. In addition, HAMM constantly strives to reduce emissions and the use of resources during production of rollers in the factories.



PREPARED FOR EVERY SITE

Many options for countless applications

The HC series compactors cover many soil and gravel compaction applications. All models of the HC series are equipped with a vibration drum.

HAMM Compaction Meter (HCM)

HAMM Compaction Meter for quick information on compaction results. Shows weak zones and helps to prevent extra passes.

Padfoot shells

With these shells a smooth drum can be easily converted to a padfoot drum.

Protective roof (ROPS/FOPS)

Protective roof with ROPS (FOPS level 1).

ROPS cabin (FOPS level I)

Cabin with air conditioning, available with or without heating system.

Speed indicator

Enables easy compliance with compaction specifications.

Rotating beacon (LED)

For enhanced safety.

Automatic vibration system

The vibration is shut off automatically when the roller is stationary. Prevents over-compaction and guarantees better surface quality.

Process data gateway

For easy export of process data (CCC) to common documentation systems.

John Deere Operations Center™

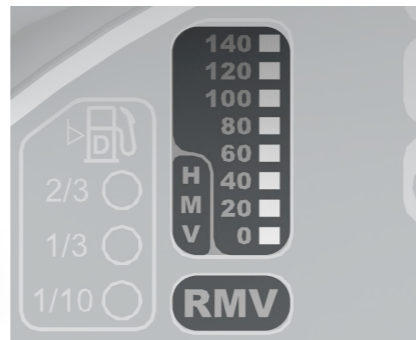
Standardised telematics interface for the transmission of machine data.



Protective roof



Padfoot shells



HAMM Compaction Meter (HCM)

YOUR WIRTGEN GROUP CUSTOMER SUPPORT

Service you can always rely on.

Place your trust in our reliable and fast support during the complete life cycle of your machine. Our wide service offer includes suitable solutions to meet all of your challenges.



Service

We keep our service promises – with fast and uncomplicated assistance both on the building site and in our professional workshops. Our Service team has received expert training. Thanks to special tools, repair, care and maintenance work is completed quickly. Upon request, we can support you with tailored service agreements.

> www.wirtgen-group.com/service



Spare parts

Original parts and accessories from WIRTGEN GROUP can ensure the high reliability and availability of your machines in the long term. Our experts will be glad to advise you on application-optimised wear part solutions. Our parts are available worldwide, at any time and are easy to order.

> parts.wirtgen-group.com



Training

Staff responsible for the WIRTGEN GROUP's product brands are specialists in their areas and have decades of application experience. Our customers also greatly benefit from these experts. In our WIRTGEN GROUP training courses, we gladly pass on our knowledge to operators and service personnel.

> 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

* 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.

OVERVIEW OF THE TECHNICAL DATA



SERIES HC G-TIER					
Basic data				Drums/variants	
Machine type	Weight class (t)	Drum width (mm)	Engine power (kW)	V	P
Machines in accordance with the UN ECE R96 (Tier 3) emission standard					
HC 110	11	2140	101	•	•
HC 130	13	2140	101	•	•

V = vibration P = Padfoot drum

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