



Powerful and comfortable

SERIES HC

HC 208 - HC 268



DURABLE, EFFICIENT AND ECONOMICAL

Up-to-date engine technology for powerful soil compaction

Founded in 1878, HAMM concentrated on the manufacture of rollers for road construction from the beginning of the 20th century. Since then, HAMM has been the engine and idea generator of the industry. Many technologies and solutions that are global standards in compaction technology today were developed by HAMM.

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 and meet the specifications of UN ECE R96 (Tier 3).

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

There are numerous options for special applications, including the components for compaction control or various designs around the lighting and the operator's platform.



HAMM PRODUCT RANGE

TANDEM ROLLERS, ARTICULATED

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

TANDEM ROLLERS, PIVOT-STEERED

- > Drum width: 1500-1680 mm
- > Operating weight: 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

Truly sophisticated

01 Operation & Comfort

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



- > HAMMTRONIC
- > Outstanding design
- > Environmentally friendly technologies



02 Visibility

- > Outstanding overview of the 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

- > Future-proof and eco-friendly engine technology
- > Fuel-saving ECO mode
- > Noise reduction

05 Compaction

- > High static linear load and high centrifugal force
- > Vibration automatic for quality surfaces

06 Maintenance & Service

- > Simple maintenance and servicing
- > Wide opening engine hood for easy maintenance
- > All standard filters accessible from the floor



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

High-comfort rotatable seat
spring-mounted and with weight adjustment

Protective roof
can be folded for transport

FOPS
standard for ROPS cabin



The HC series cabin can be equipped for a variety of climates
- with or without heating and air-conditioning system
- with air-conditioning system without heating

Ease of operation

The HC series compactor's platform offer operators plenty of space. It is vibration-isolated and accessible from one side.

The comfortable driver's seat can be moved forwards and backwards. Here, every driver is sure to find their ideal working position. Moreover, it is individually adjustable for height.

All in all, the Series HC 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 154 kW (206 hp), the HC series impresses with a low sound pressure level, that always remains below 90 dB in the driver's cabin.

The clever design of the air duct facilitates effective engine cooling without heating up the operator's platform, even at an ambient temperature of up to 52 °C.



The HC series compactors are available with an open platform or a roomy cabin. The open platform with handrail features a glass-fibre-reinforced plastic roof that protects the operator from sun and rain.

SIMPLE AND CLEAR

Self-explanatory cockpit design for intuitive operation

01 Vandalism protection

> Dashboard cover to prevent vandalism. Included in the standard scope of supply.

02 Dual amplitude

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

03 Clear display

> Display with clear symbols comprehensively shows the state of the machines and indicated fault signals.

04 Large-capacity fuel tank

> Allows for long operation and fewer refuelling stops.



Clear cockpit overview

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 electric 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.

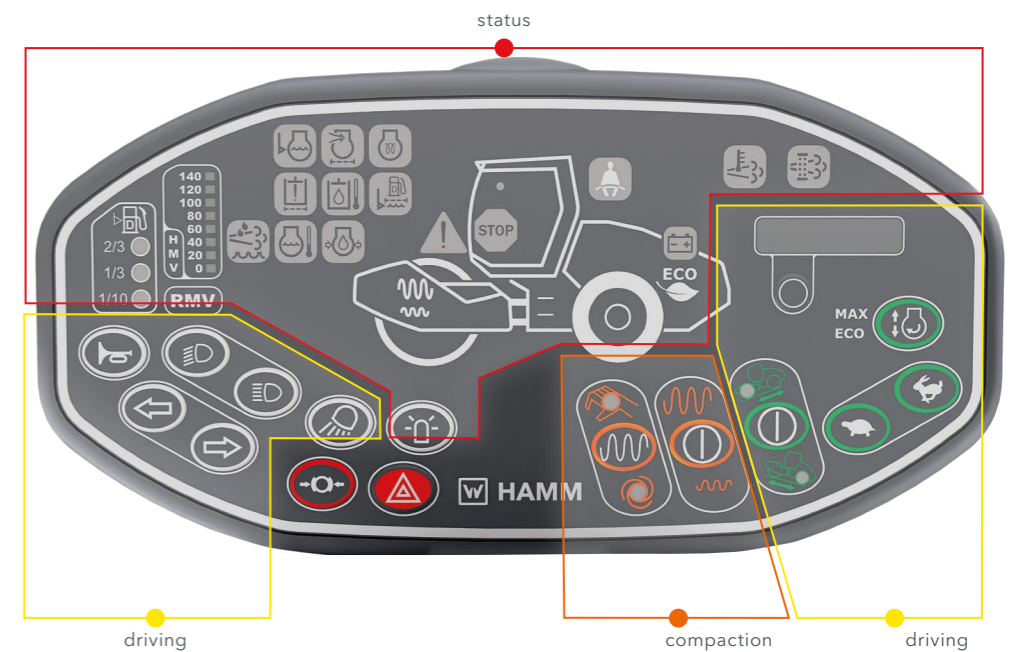
Clear design for quality compaction

The dashboard shows the operator all of the status displays that are of importance for operation. They are explained using simple, internationally understandable symbols. The HC series can therefore 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 soil compaction.



The drive control is actuated via an electric joystick. The buttons on the joystick ensure that controlling the system is intuitive.



The dashboard next to the steering wheel contains status and parameter displays as well as all infrequently used buttons. All displays and switches are grouped into functional units with colour markings. This makes operation easier, since the same applies here as it does to all other HAMM rollers: Same colour - same functional group.

GOOD SIGHT FOR QUALITY COMPACTION

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.

Four powerful LED spotlights offer excellent illumination of the working area when it is dark.



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 forwards, the drum is always in the field of vision. The tyres and the space behind the compactor are also fully visible since the engine hood has a slimline, sloping shape. There are no pillars blocking the driver's view. The exhaust pipe is positioned in such a way that it does not interfere with the all-round view. The good visibility therefore ensures high-quality compaction and a high level of safety.

Unobstructed view backwards 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 of up to 76,6 kg/cm is every bit as impressive as their centrifugal force - the best prerequisite for efficient and fast compaction with great depth effect.

The powerful Cummins engine provides full compaction force at all times. The vibrators run up smoothly and operate at nominal frequency immediately after activation.

Speed preselect available as standard

Using the maximum speed preselect that is installed as standard, constant speed contributes to homogeneous compaction.

The automatic vibration system also ensures that the vibration is switched off as soon as the single-drum compactors come to a standstill. This avoids over-compaction and ensures high-quality surfaces.

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.

Modern drive control

The HC series compactors are equipped as standard with the "HAMMTRONIC" electronic machine management system, which monitors the engine and driving functions. It automatically adjusts the travel and vibration drives as well as the engine speed to the current operating conditions. This significantly reduces fuel consumption as well as exhaust and noise emissions.

Various drum options

Across all weight classes, the compactors are available with smooth drum or padfoot drum.

Padfoot shells are also available. With them, the same compactor can be used with smooth drum or as padfoot drum.

For smooth working conditions in both forward and reverse directions of operation, a scraper bar for smooth and padfoot drums is part of the standard scope of supply.



Smooth drum



Padfoot drum



PRECISE STEERING AND SAFE DRIVING

Optimum handling in any situation



Large dimensioned hose protection on each side of the drum prevents damage to the hydraulic hoses.



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

Even weight distribution

The 3-point articulation created 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 outstanding traction, even on 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 to tip in curves is greatly reduced - an important safety factor.

Climbing ability

The power train concept provides great climbing ability. For compaction on steep terrain, the compactors are ideal. They easily master slopes of up to 54%, and the rear axle with limited slip prevents wheelspin.



The compactors boast excellent traction even on rough terrain and have a large ground clearance.

BEST IN CLASS

Up-to-date power train

Engine technology with Tier 3 standards

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 154 kW (206 hp) 6-cylinder diesel engine provides ample power with which to drive all of the components of the HC series compactors. At the same time, it has adequate reserves for efficient compaction, even under extreme conditions. It complies with the UN ECE R96 (Tier 3) requirements - which means low exhaust emissions and low fuel consumption.

The power unit has three fuel filters as standard. This makes sure that excess water is eliminated from the diesel fuel to ensure a reliable operation.



ECO mode with the right engine speed

The engine power can be called up in two stages: Either "maximum rpm" mode or ECO mode. In ECO mode, the speed is lowered. The HAMMTRONIC machine management system also regulates the engine speed depending on the load requirements. In doing so, the diesel engine speed increases only as much as is necessary for the current driving or work situation. All other components are then operated in the optimum range, according to the work situation.

The HC series compactors therefore work extremely economically: They can achieve fuel savings of up to 20% compared to predecessor models.

RPM 
with ECO mode

HMV 




 **HAMM SUSTAINABILITY**



EFFICIENT MAINTENANCE

Achieved in just a few steps

Ergonomic and efficient

The few service and maintenance tasks required for the HC series compactors can be completed quickly. All service points and the battery are in easy reach from the ground. And the key points for daily checks are all helpfully located on one side of the machine.

Always informed

To ensure fast and thorough servicing, HAMM uses the WIRTGEN GROUP's service diagnostic tool WIDIAG.

For customers who also want to exploit the benefits of remote diagnostics and an efficient fleet management system, the HC series can be equipped with the WIRTGEN GROUP telematics system.



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

The maintenance points are easily accessible. This greatly simplifies maintenance.

01 Central electrical system
> Easy access in the steering column

02 Engine hood
> Opens wide, making checks effortless

03 Filters
> Checking and replacing the engine filters and hydraulic oil filters is extremely easy

04 Diesel tank
> Large dimensions, easy to fill



HAMMTRONIC

The HAMMTRONIC electronic machine management system monitors all engine and driving functions. It automatically adjusts the travel drive, the vibration or oscillation drive and the engine speed to the current operating conditions. This reduces fuel consumption as well as exhaust and noise emissions.



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



HAMM SUSTAINABILITY

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 compactors 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.

Frequency indicator

Shows the frequency on the dashboard.

Rotating beacon

For enhanced safety. Equipped with LED.

Driving light

Lighting for transferring to road transport in accordance with national regulations.

LED Working lights

Four LED lights on the cabin or platform and protective roof.

Tyres

Choose between standard, EM and tractor tyres.

Scrapers

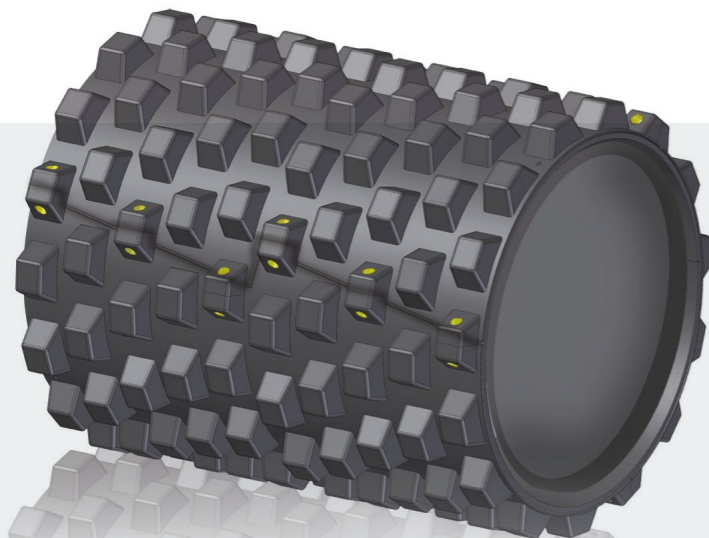
Plastic or steel scrapers for smooth drums.

ROPS cabin (FOPS level I)

Spacious, comfortable cabin with a lot of headroom

Protective roof

Protective roof on ROPS (FOPS level 1) or protective roof.



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					
Basic data				Drums / variants	
Machine type	Weight class (t)	Drum width (mm)	Engine output (kW)	V	P
Machines in accordance with exhaust emission UN ECE R96 (Tier 3)					
HC 208 D	20	2140	154	•	•
HC 228 D	22	2140	154	•	•
HC 268 D	26	2140	154	•	•

D = Drum drive V = Vibration drum P = Padfoot drum

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