

The all-rounders for earth work

SERIES HC

HC 119i - HC 139i



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. 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 almost 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 and meet the specifications of CEV Stage IV.

The compactors are available with and without 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%.



HAMM PRODUCT RANGE

TANDEM ROLLERS

- > Drum width: 1,680 mm
- > Operating weight: 9 - 10 t

SOIL COMPACTORS

- > Drum width: 2,140 mm
- > Operating weight: 11 - 13 t

OVERVIEW OF THE HIGHLIGHTS

Truly sophisticated

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



- > Environmentally friendly technologies
- > Outstanding design



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

-  > CEV Stage IV engine technology: future-proof and eco-friendly
- > Fuel-saving ECO mode
-  > Noise reduction

05 Compaction

- > High static linear load and high centrifugal force
- > Switches vibration off when machine stands still
- > Available with drum drive

06 Simple maintenance and servicing

- > Wide opening engine hood enable 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

Perfectly equipped

Protective roof
as standard

USB Connection
and 12V port on operator platform

Storage space
for documents and personal things



As the agile roller 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 one side.

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

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 121 hp, the HC series impresses with a low sound pressure level, that always remains below 92dB in the driver's area.

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 53°C.

SIMPLE AND CLEAR

Self-explanatory cockpit design for intuitive operation

01 Operator's platform

> Equipped with handrails and railing. Either with foldable protective roof (glass-fibre reinforced plastic) or with protective roof (metal) and ROPS/FOPS.

02 Vandalism protection

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

03 Dual amplitudes

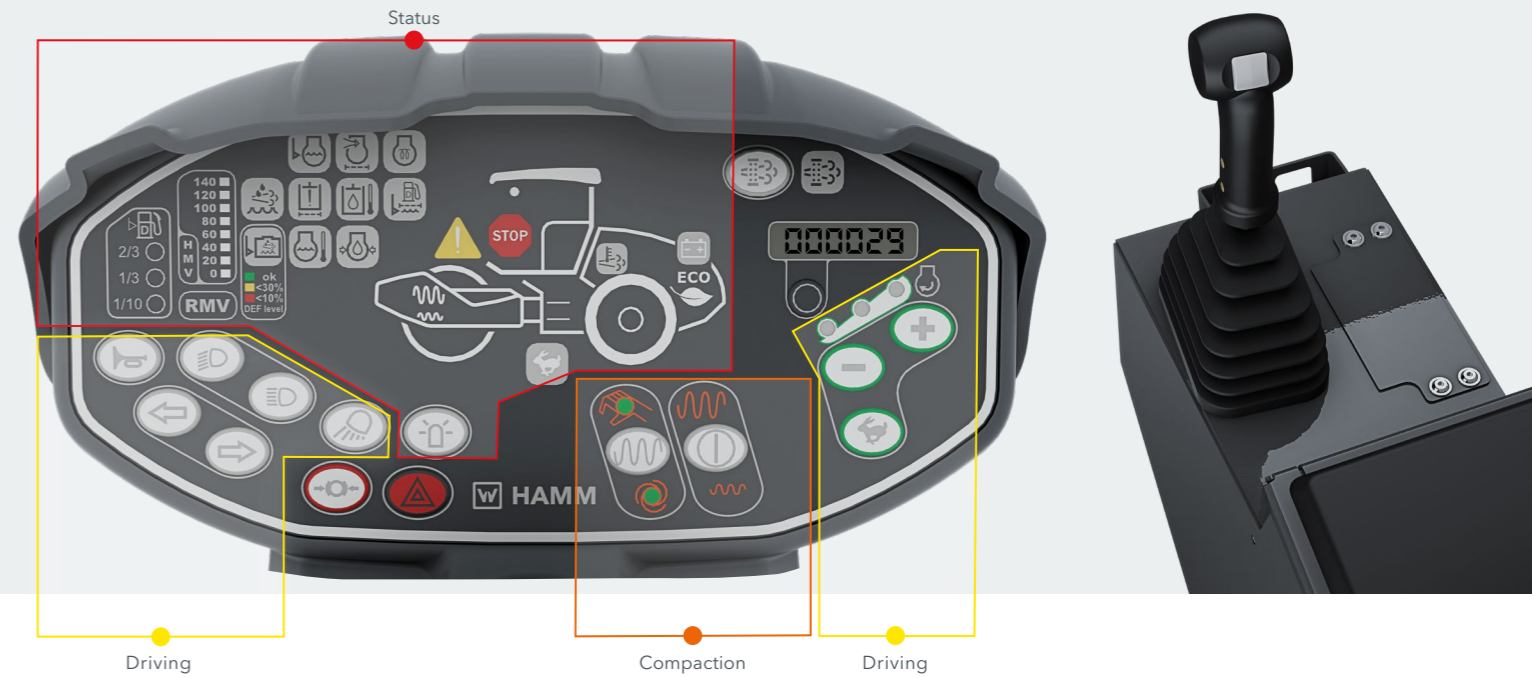
> Operator can choose between small and large amplitude for compaction from the dashboard. This enables a variety of soils and gravel to be compacted.

04 Clear display

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

05 Large capacity fuel tanks

> Large capacity fuel tank permits long operation and few refuelling stops.



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.

Clear cockpit overview

In terms of operation, drivers of Series HC 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.

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 Series HC 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 of asphalt surfaces.

Always the right engine speed

During the operation, the operator can choose between three pre-set engine speeds for idling, ECO mode and maximum rpm. This means that sufficient power is available at all times in work mode.

QUALITY COMPACTION

Unobstructed view for safe, complete and high-grade works



Good visibility for safe and high-quality compaction

The Series HC 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.

The drum is always visible while moving forward. The tyres and the space behind the roller are also 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 LED lights

The Series HC soil compactors are equipped with LED lights with low-beam and high-beam function. 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.



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

IMPRESSIVE PERFORMANCE

Strong on steep terrain

Great compaction performance

The Series HC compactors bring enormous compaction force to the construction site. Their static linear load of up to 29 kg/cm is every bit as impressive as their centrifugal force.

The powerful Cummins 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.

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.

Climbing ability

The ingenious power train concept provides great climbing ability. For compaction on steep terrain, the drum-driven models are ideal. They easily master slopes of up to 53%, and the rear axle with limited slip differential prevents wheelspin.

Quality monitoring

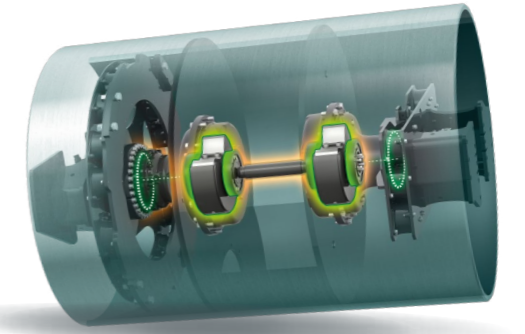
HAMM offers various options for internal and external quality monitoring. The HCM (HAMM Compaction Meter) is ideal for quick information on compaction results. It shows weak zones to the driver and helps to prevent extra passes immediately while compacting.

The Intelligent Compaction System (ICS) uses the data, also minimizes the number of passes and prevents the danger of over compaction. As it records the output, it can be used for documentation as well.

Various drum solutions

The 11-t-compactors are available with smooth drum, either with or without drum drive. In addition, there are padfoot shells available.

The 13-t-compactors always come with drum drive and are available with smooth drum or with padfoot drum.



PRECISE STEERING & SAFE DRIVING

Optimum handling in any situation



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.



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

BEST IN CLASS

Up-to-date power train

Engine technology with CEV Stage IV standards

The Series HC 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 90 kW (121 HP) 4-cylinder diesel engine provides ample power with which to drive all components of the Series HC compactors. At the same time, it has adequate reserves for efficient compaction, even under extreme conditions. It complies with the CEV Stage IV requirements - that means low exhaust emissions and low fuel consumption.

The power unit has two fuel filters as standard. This makes sure that excess water is eliminated from the diesel fuel to ensure a reliable operation. For exhaust gas cleaning, the machines are equipped with SCR and DOC.



ECO mode for fuel efficient operation

The engine is designed to meet emission regulations while providing optimal performance and maximum customer value in every application. During operation, operators can choose between three preset engine speeds. The middle speed, the ECO mode, reduces fuel consumption by up to 20 %. This also reduces CO2 and noise emissions.

Always full compaction power

When compacting with ECO mode, the frequency and centrifugal forces, and thus the full compaction performance, are permanently maintained. 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 53°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 1850 rpm. The compaction power stays consistently high.

EASY MAINTENANCE AND SERVICE

Efficient in every detail

Quickly done: daily maintenance

The few maintenance tasks on the Series HC compactors are quickly done because the well illuminated engine compartment is very low, making it readily accessible for the workshop technicians. The engine hood provides another benefit: thanks to the position of the pivot point, it can be opened wide, even in restricted headroom situations.

All maintenance points and the battery are easily accessible from the ground. Moreover, all daily maintenance points are located in readily accessible positions on the same side of the machine - an important prerequisite for fast checks.

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 and is available digitally.

When it comes to the exchange of spare parts, WIRTGEN INDIA provides the parts needed quickly and reliable.

- 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
- 04 Air filter**
 - > Easy visual inspection
 - > Air filter is replaced conveniently from ground level

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



PREPARED FOR EVERY SITE

Many options for countless applications

The Series HC compactors cover many soil and gravel compaction applications. All models of the Series HC 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.

Scraper bar

Single or dual scraper bar for smooth working conditions in both forward and reverse direction of operation.

Padfoot shells

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

Protective roof

Foldable roof made of glass-fibre reinforced plastic or protective roof made of metal with ROPS/FOPS.

Speed display

Enables easy compliance with compaction specifications.

Rotating beacon

For enhanced safety. Equipped with LED.

LED working lights

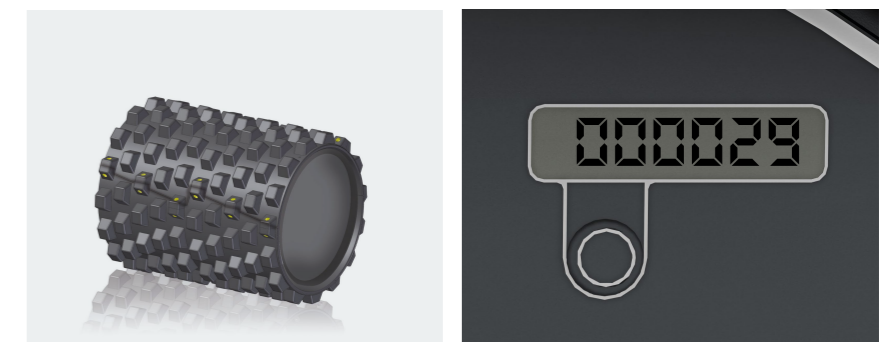
Available as 2-fold headlight (rear) and 4-fold headlight (rear and front).

Automatic vibration

Automatic shutdown of the vibration when the roller comes to a standstill. Avoids over-compaction and ensures better surface quality.

Intelligent Compaction System (ICS)

Minimizes the number of passes, records the output and prevents the danger of over-compaction.



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.

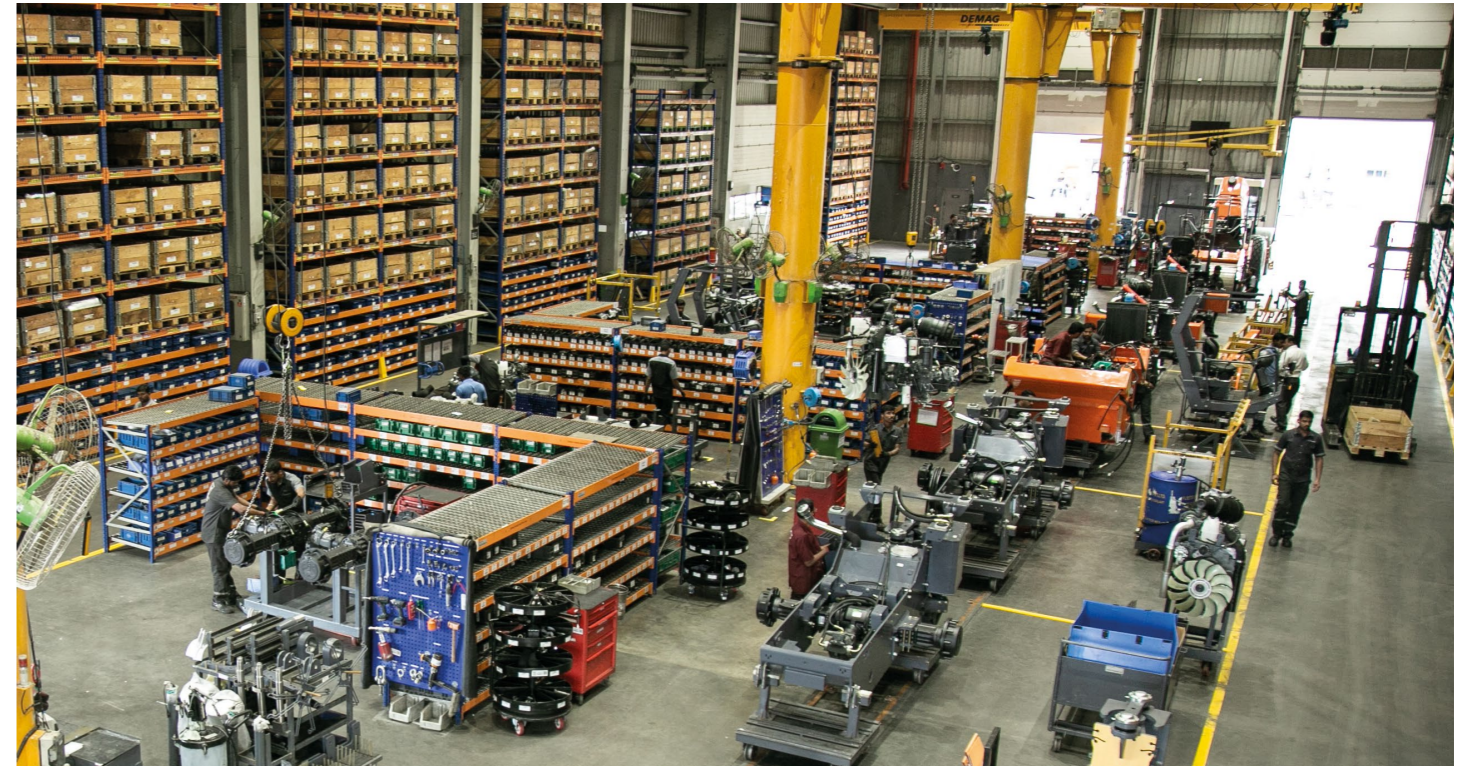
> www.wirtgen-group.com/training



Telematics solutions

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

> www.wirtgen-group.com/telematics



Strong presence in India since 1995

WIRTGEN INDIA, a 100% subsidiary of the WIRTGEN GROUP, has maintained a strong presence in India since 1995, with 22 local sales and service offices.

We offer a broad range of services in all areas of road construction and refurbishment. Working with passion and dedication, our highly motivated team are on hand to ensure your success at the construction site.

Market-leading products and top service, along with tried-and-tested quality standards, give you the confidence you need in your fiercely competitive environment. The WIRTGEN GROUP's long-standing successful brands will safely keep you on the road to success.



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.



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.

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

OVERVIEW OF THE TECHNICAL DATA



SERIES HC				
Basic data				Drums
Machine type	Weight class (t)	Drum width (mm)	Engine power (kW)	V
Machines in accordance with exhaust emission standard CEV Stage IV				
HC 119i	11	2140	90	•
HC 119i D	11	2140	90	•
HC 139i D	13	2140	90	•
HC 139i P	13	2140	90	•

D = drum drive P = padfoot V = vibration

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Lucknow: Tel: 8756400750

Ranchi: Tel: 8080520759

Chennai: Tel: 7397733497

Indore: Tel: 9755833238

Mumbai: Tel: 9845758079

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Patna: Tel: 8080520759



For further information, scan the code or visit
www.wirtgen-group.com/products-hamm