Powerful and comfortable
SERIES H
Strong on slopes

Large slope angles, powerful drive

From the operator’s platform, the driver has a clear view of the drum and construction site.

Good ground clearance

The front frame design results in a large slope angle with plenty of space between the cross member and the drum.

Large slope angles and powerful drives make for easy compaction with the H series compactors even in rough or steep terrain. The combination of an ingenious frame design and a slender engine hood provides drivers of the H series compactors with a clear view of the ground to be compacted. Not even the exhaust pipe intrudes. It was arranged in such a way that it is kept out of the driver’s line of sight.
Easy to board

You can even see it from the access way to the operator’s platform: in the H series compactors, the accent is on dynamic and modern. Drivers get up to the platform safely and easily via a gently curved access way with three large steps and an anti-slip edge on the door threshold to find a well-appointed workspace awaiting them.

Easy to set up

With the new Easy Drive operating concept, operation has become easier than ever before. But as if that was not enough: the seat height, seat suspension and armrest position are adjustable. The position of both the steering column and the steering wheel can also be adjusted in next to no time. The seat can be optionally supplied with a high backrest, a backrest extension and fabric covers. This allows every user to find their optimum position for long, concentrated working.

In addition, there are many agreeable details to discover, for example the 12 V sockets for a cold box or charging a mobile phone, storage space, drinks holders and numerous fresh air nozzles.

An optimum workspace

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

Getting on and off is quick and easy via the generously dimensioned steps.

Drive control via the ergonomically shaped joystick.

Unobstructed view backwards with no intrusive exhaust pipe.

Unobstructed view of the drum.

The comfortably suspended driver’s seat can be turned and is individually adjustable to the driver’s height and weight.

An optimum workspace
Drums using vibration and oscillation

Drums with different exciter systems are available for the H series compactors. In addition to the conventional vibrating drum for all weight classes, a VIO drum able to compact using vibration or oscillation is also available for some models.

Padfoot drums

For the compaction of highly cohesive soils, the compactors can be equipped with a padfoot drum. Padfoot segments offer exceptional flexibility - they enable you to quickly swap from a smooth drum to a padfoot drum. This is complemented by the new combination scraper. After mounting or dismounting of the padfoot segments, it can be adjusted to suit the drum version in a few easy steps.

Oscillation: an oscillating forward/backward motion is produced during which the drum remains in contact with the ground at all times.

The VIO drum combines vibration and oscillation in one system. The driver can switch between the two compaction systems while moving.

Clever convenience options

Different regions place different requirements on a compactor. Drivers in cooler regions, for example, are pleased to have the luxury of an auxiliary heater (option). It keeps them warm even if the automatic engine-off function has switched off the diesel engine to save fuel. In addition, it serves to preheat the engine and cabin. In regions where cabins are not required, the H series compactors can be equipped with ROPS or ROPS with a protective roof.

Efficient compaction tools

The range of options extends from special working spotlights and a rear-view camera that enables the driver to see on a large display whether there are any persons or obstructions in the space immediately behind the roller, to a telematics interface for remote monitoring.

Vibration plate and dozer blade

On certain models, a vibration plate can be attached. It ensures optimally compacted surfaces when working with closely graded construction materials. All compactors up to 20 t can also be equipped with a dozer blade.

The wide range of different drums and options available allows the perfect compactor to be tailored to suit every customer.
The all-terrain master

3-point articulation for maximum quality

The 3-point articulation developed by HAMM is the key to extremely favourable weight distribution and results, among other things, in enormous driving stability. This benefit is particularly apparent when compacting uneven ground. Even in such conditions, the articulated joint guarantees unrivalled driving comfort. The chassis design ensures uniform weight distribution on the drum and rear axle plus effective shock absorption, even at maximum steering lock. In addition, the risk of tipping over when turning is substantially reduced.

The H series compactors have already received multiple awards for their successful design. This includes not only aesthetic aspects, but also their ease of operation, clear layout and convenience features.

The excellent directional stability and effective shock absorption.
**Overview of the technical highlights**

- **EROSS: ROPS cabin with optional roof for operation on public roads.**
- **Easy Drive operating concept:**
  - Automatic adaptation of traction and vehicle functions.
  - Easy attribution through colour coding.
- **Adjustable steering column:**
  - Sliding and swivelling driver’s seat.
  - Wide range of adjustment possibilities.
- **Joystick control:**
  - Individually adjustable joystick for intuitive control of the most important functions.
- **Language-neutral design:**
  - Multifunction armrest with sliding and swivelling driver’s seat.
  - Wide range of adjustment possibilities.
- **Sockets for mobile phones:**
  - Standard with ample storage space.
- **Standard:**
  - Powerful LED technology.
  - Bright working lights on the cabin.
  - Halogen as an option.
  - Approved lighting or additional lights as an option.
  - Lighting package for operation on public roads.
- **Vibration/oscillation drives:**
  - Engines with or without VIO drive.
  - As standard, powerful LED technology also available.
- **WIDE RANGE OF DRUMS:**
  - Available with smooth drum and padfoot drum.
- **VISIBILITY:**
  - Outstanding off-road mobility, effective shock absorption.
  - Unique driving stability and directional stability provide for secure manoeuvring even on rough terrain.
- **CLIMBING ABILITY:**
  - Large slope angle and powerful drive enable compaction on inclines.
- **LARGE LINEAR LOAD:**
  - Large linear load as standard, up to 78 kg/cm, depending on model.
- **ERGONOMIC WORKSPACE:**
  - Free-standing driver platform with perfect all-round vision from every sitting position.
  - Excellent access with three large steps.
  - Ergonomically optimised operator’s platform with sliding and swivelling driver’s seat.
  - Good headroom.
  - Equipped as standard with Hammtronic electronic machine control.
- **HOME NAVIGATION:**
  - Optimised visibility thanks to the outstanding overview of the machine and construction site from any sitting position.
- **TELEMATICS INTERFACE:**
  - Diagnostics via WIFMS and HAMM SmartService.
  - Efficient oil and water cooling with intelligently designed airflow.
  - Maintenance-friendly layout.
- **Diagnostics:**
  - TELEMATICS INTERFACE for the plate load tester.
  - Diagnostic interface for exceptional compaction.
  - Operation in ECO mode reduces engine speed, hence operating costs.
  - Reduces the number of operating hours and cuts wear and tear on expensive components.
- **EPA area exhaust emission standards:**
  - Low-noise, environmentally friendly operation.
- **Oil and water cooler:**
  - Equipped with scraper for smooth drum.
  - when fitting the plate load tester.
  - Oil and water cooler / airflow.
  - Maintenance-friendly layout.
- **Battery:**
  - Electronic battery.
  - Supplying power to the electrical system.
  - Guards against total battery discharge.
- **Hose Protection:**
  - Hose protection on both sides ensuring great functionality.
- **Combination scraper:**
  - Option. Standardised interface for the scraper.
  - Standardised interface for the scraper.
- **Engine technology:**
  - Modern, electronically controlled engines.
  - Vibration or oscillation.
  - Dual-bench engine control and transmission of machine and process data.
  - ECO MODE.
  - Outfits vehicles with high compaction quality.
  - Compact structures.
  - Savings in excess of 60%.
  - Drive enable compaction on inclines.
  - Large slope angle and powerful drive enable compaction on inclines.
- **Climbing ability:**
  - Improved theft protection.
  - Perfect protection against damage thanks to the Outstanding overview of the machine.
  - Perfect protection against damage thanks to the Outstanding overview of the machine.
- **Automatic engine-off function:**
  - Disconnects battery from the electrical system. Guards against total battery discharge.
- **ECO MODE:**
  - Extends period of inactivity. Saves fuel and reduces emissions.
  - Significantly reduces fuel consumption, exhaust and noise emissions.
- **Operation in ECO mode:**
  - Reduces the number of operating hours and cuts wear and tear on expensive components.
  - Operating in ECO mode reduces engine speed, hence operating costs.
Easy Drive stands for intuitive operation through clear user guidance.

Intelligent systems for optimum compaction

HCQ Navigator for complete, homogenous compaction

HCQ stands for “HAMM Compaction Quality” and encompasses numerous solutions for planning, measurement, control, documentation and analysis of compaction processes. The modular system is also available for the H series, in particular the HCQ Navigator, a satellite-based documentation system for the collection and display of all essential compaction parameters and the progress of compaction.

While compacting, the HCQ Navigator produces real-time compaction maps of the area to be dealt with. They show at a glance the areas which have already been adequately compacted and those which require further compaction. The data from a number of rollers may also be linked via a WLAN. This enables the roller drivers to see the condition of the entire area to be worked and to compact extremely efficiently and evenly.

Hamtronic - the thrifty copilot

The H series compactors are designed with economy and efficiency in mind. That is the reason why even in the basic configuration, they are equipped with Hamtronic, a modern electronic machine management system. It monitors all engine and drive functions and adjusts the drive, vibration/oscillation and engine speed to the prevailing operating conditions. Fuel consumption and noise emissions are appreciably reduced as a result.

The optimised drives also increase compaction quality, for example through gentle acceleration and braking or through the speed control function and the associated compaction at constant speed – an important prerequisite for successful, area-wide homogenous compaction.

Easy Drive: clear and simple

Clearly laid-out and user-friendly

“Easy Drive”, HAMM’s ergonomically optimised operating concept, is being introduced in all H series models whose engines comply with the requirements of the EU Stage IV / EPA Tier 4f exhaust emission standards.

Here, the most important functions are controlled via the steering wheel, a joystick and the speed pre-selection wheel. The operating elements are positioned in such a way as to enable the driver to operate them quickly and easily.

The dashboard next to the steering wheel accommodates status and parameter displays as well as infrequently used buttons. All displays and switches are gathered in functional groups and colour-coded. This simplifies operation because the same principle applies here as with all other HAMM rollers: same colour - same function group.
Ergonomics and efficiency in day-to-day maintenance

The few service and maintenance tasks on the H series compactors are quickly completed and a convenience function (option) simplifies engine hood opening and shutting – all it takes is the touch of a button.

Here, all maintenance points and the battery are easily accessible and grouped together on one side of the machine. The checks can also be carried out in darkness because sufficient light is always available: the working lights on the cabin or on the protective roof illuminate the engine compartment perfectly.

Forward-looking engine technology: quiet and thrifty

Efficient and environment-friendly

State-of-the-art 4 and 6-cylinder Deutz diesel engines provide the H series compactors with clean power. Intelligent airflow allows them to be operated in ambient temperatures of as high as 50°C. All units have sufficient reserves of power for efficient compaction, even under extreme conditions. Various different filter combinations (DOC & SCR or DPF & SCR, depending on the installed engine output) take care of the exhaust post-treatment.

Money-saving stops

The new, optional automatic engine-off function 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.

Maintenance and service: simple and good.

Ergonomics and efficiency in day-to-day maintenance

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Optimised fuel consumption without loss of power

The engine output is delivered on two levels: either “maximum rpm” mode or ECO mode. In ECO mode, the Hammtronic controls the engine speed dynamically, depending on the load requirement. All other components are then operated in the optimum range, according to the work situation. In this way, the compactors are highly efficient and economical in use.
Impressive compaction power

Concentrated energy in the right place

The H series compactors are renowned for their outstanding compaction power. Here, the static linear load is particularly impressive: depending on the model, the compactors apply up to 78 kg/cm to the ground. The ideal basis for efficient and speedy compaction with deep penetration.

Powerful spotlights provide ample illumination of the working area even after dark.

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