Powerful and easy to operate
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 C models with their more powerful drive are especially well suited for challenging tasks in landfill construction or when compacting very heavy or wet soils. In all H series models, the combination of an ingenious frame design and a slender engine hood provides drivers 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 HAMM Easy Drive operating concept, operation is easier than ever before. But as if that was not enough: the seat height, seat springiness 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. This allows every user to find their optimum position for long, concentrated working. The seat can be optionally supplied with a high backrest, a backrest extension and fabric covers.

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.
Drums using vibration and oscillation

Drums with different exciter systems are available for the H series compactors. In addition to the conventional vibration 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 facilitate quick swapping from a smooth drum to a padfoot drum. This is complemented by the ingenious 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: the drum carries out an oscillating forward/backward motion so that tangential shear forces are directed into the ground. 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 the roller is moving.

Well-thought-out solutions

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 lights and a camera system 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 fully redesigned dozer blade. The dozer blade with high-visibility cross member is available in different versions - also with extension capability, depending on the model.
The all-terrain master

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 in curves is greatly reduced.

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

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. In addition, the Easy Drive operating concept received the Universal Design Award in 2016.
The technical highlights at a glance

**Larger Linear Load**
Easing high loads up to 75 kg according to the model.

**Grip-on drum**
Optimally suited for high-quality compaction on unstable ground.
Intelligent systems for optimum compaction

HCQ Navigator for complete, homogenous compaction

HCQ stands for “HAMM Compaction Quality” and encompasses numerous solutions for measurement, 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 Wi-Fi. This enables the roller drivers to see the condition of the entire area to be worked and to compact extremely efficiently and evenly.

Hamtronnic - 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 Hamtronnic, a modern electronic machine management system. It monitors all engine and drive functions and adjusts traction, vibration/oscillation and engine speed to the prevailing operating conditions. Fuel consumption and noise emissions are appreciably reduced as a result. The optimised drive control also increases 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

HAMM’s ergonomically optimised “Easy Drive” operating concept stands out for its simple, quickly grasped operation and high level of convenience.

All Easy Drive rollers are steered using a steering wheel. The other main functions are controlled via a joystick and the speed pre-selection wheel. All operating elements are positioned to allow the driver to operate the roller quickly and easily.

The dashboard next to the steering wheel contains 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.
Forward-looking engine technology: quiet and thrifty.

Efficient and environment-friendly
State-of-the-art 4 or 6-cylinder Deutz diesel engines provide the H series compactors with clean power. In all models, the exhaust post-treatment complies with the applicable regional regulations.

Intelligent airflow allows them to be operated in ambient temperatures of up to 50°C. All units have sufficient reserves of power for efficient compaction, even under extreme conditions.

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
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 service items 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.

Optimised fuel consumption without loss of power
The engine output can be called up in two stages: 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 direct up to 78 kg/cm into 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 of the drum prevents damage to the hydraulic hoses.