



**HAMM**

# Powerful and easy to operate **SERIES H**







# Strong on slopes

Large slope angles,  
powerful drive

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.

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

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

◇ Good ground clearance







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

## An optimum workspace

### 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.

Unobstructed view backwards with no intrusive exhaust pipe.

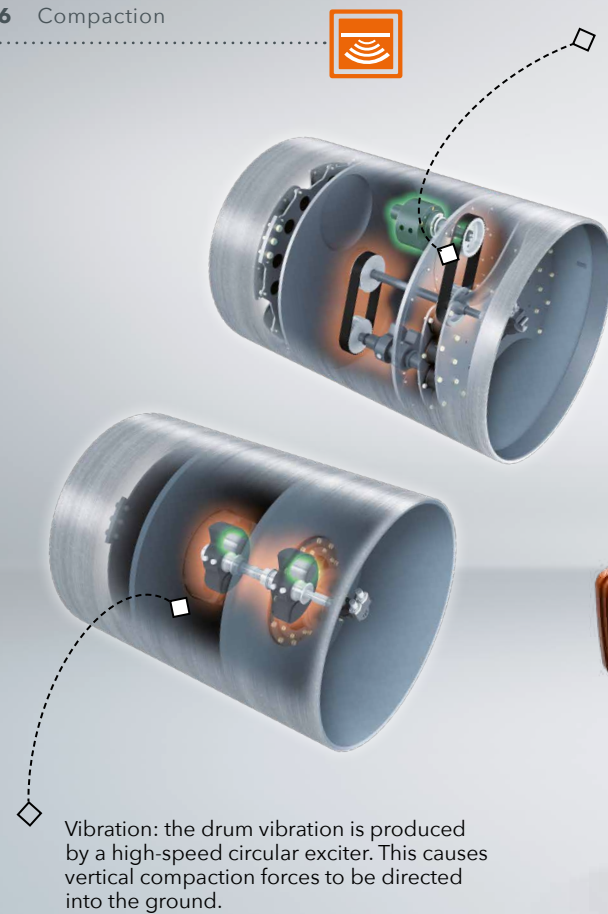
Unobstructed view of the drum.

Drive control via the ergonomically shaped joystick.

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

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

Vibration: the drum vibration is produced by a high-speed circular exciter. This causes vertical compaction forces to be directed into the ground.



The H series compactors are available with smooth drum and padfoot drum. For maximum flexibility, three-section split padfoot segments are also available.

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

## The right compaction system for every application

### 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.

## 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 3-point articulation ensures excellent directional stability and effective shock absorption.



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.





- 1 **CABIN**  
ROPS cabin with perfect all-round view from every sitting position. Good headroom. Equipped as standard with ample storage space and two 12 V sockets for mobile phones, etc.
- 2 **ROPS**  
All machines available with ROPS, with or without protective roof according to preference.
- 3 **EASE OF OPERATION**  
Ergonomically optimised operator's platform with sliding and swivelling driver's seat; wide range of adjustment possibilities. Individually adjustable armrests. Adjustable steering column rake.
- 4 **EASY DRIVE OPERATING CONCEPT**  
Language-neutral design. Multifunction armrest with joystick for intuitive control of the most important functions. Easy attribution through colour coding.
- 5 **STEPS**  
Easy access with three large steps.
- 6 **LIGHTING**  
Bright working lights on the cabin. Halogen as standard, powerful LED technology also available as an option. Optional lighting package for operation on public roads. Optional coming home function.
- 7 **STEERING**  
Agile roller with direct steering for reduced driver steering effort.



Padfoot drum

Smooth drum

- 8 **3-POINT ARTICULATION**  
Outstanding off-road mobility, absorbs shocks. Unique driving stability and directional stability provide for secure manoeuvring even on rough terrain.
- 9 **DRIVE CONTROL**  
Pre-selection of maximum speed as standard. High top speed (12 km/h).
- 10 **HAMMTRONIC**  
Fitted as standard with Hammtronic electronic machine management system for monitoring of all engine and drive functions. Automatic adjustment of traction and vibration/oscillation drives as well as engine speed to the prevailing operating conditions. Significantly reduces fuel consumption, exhaust and noise emissions.
- 11 **C MODELS**  
Various models with extra powerful hydrostatic drive and up to 30% greater torque. The result is even better traction and climbing ability. Ideal for heavy earth work, landfill construction and wet soils.
- 12 **WIDE RANGE OF DRUMS**  
Available with smooth drum and padfoot drum. Three-section split padfoot segments also available. Some models also available with VIO drum (vibration or oscillation).

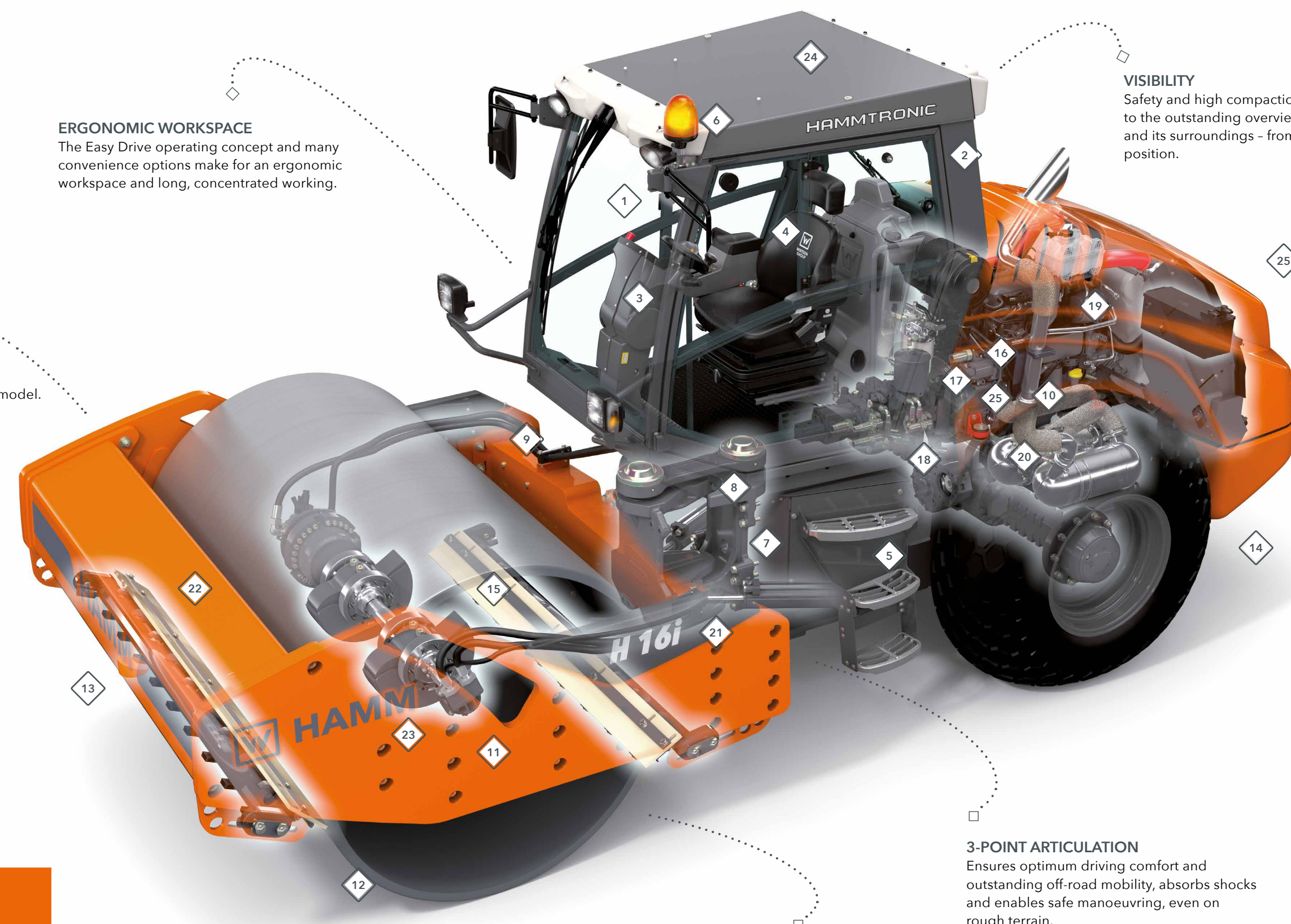
## The technical highlights at a glance

### ERGONOMIC WORKSPACE

The Easy Drive operating concept and many convenience options make for an ergonomic workspace and long, concentrated working.

### LARGE LINEAR LOAD

Extremely high linear loads – up to 78 kg/cm according to the model.



### VISIBILITY

Safety and high compaction quality thanks to the outstanding overview of the machine and its surroundings – from any sitting position.

### 3-POINT ARTICULATION

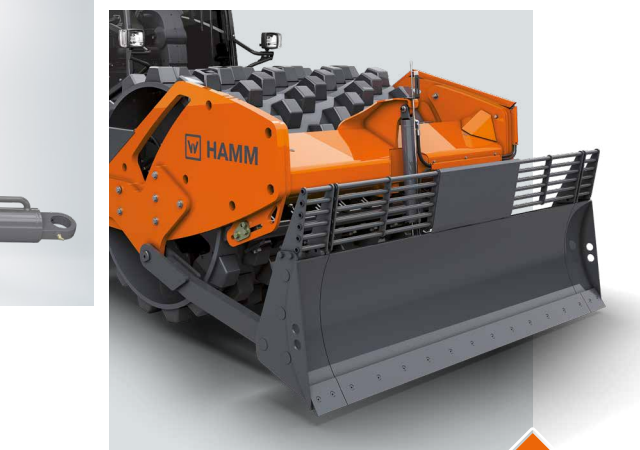
Ensures optimum driving comfort and outstanding off-road mobility, absorbs shocks and enables safe manoeuvring, even on rough terrain.

### SLOPE ANGLE AND CLIMBING ABILITY

Large slope angles and high-performance drive system enable compaction on inclines in excess of 60%.

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Dozer blade

### DOZER BLADE

Option. Dozer blade with patented high-visibility cross member for machines up to 20 t with smooth or padfoot drums. Available in different versions, depending on model. Delicate control.

### VIBRATION PLATE

Option. For compactors H 13i - H 16i. Prevents re loosening in the upper region. Very simple mounting and dismantling. Hydraulic connection via quick-action coupling. Ergonomic joystick-based operation.

### COMBINATION SCRAPER

Special scrapers, including smooth scrapers and scraper teeth for padfoot segments as well as holder for scraper blades when not needed.

### ENGINE TECHNOLOGY

Future-proof, water-cooled engines with advanced exhaust post-treatment in line with the applicable regulations. Low-noise, environment-friendly operation.

### ECO MODE

Operation in ECO mode reduces engine speed, noise emissions and fuel consumption.

### AUTOMATIC ENGINE-OFF FUNCTION

Option. Automatic engine cut-off after an extended period of inactivity. Saves fuel and hence operating costs. Reduces the number of operating hours and cuts wear and tear on the drive units.

### OIL AND WATER COOLER / AIRFLOW

Efficient oil and water cooling with intelligently designed airflow. Maintenance-friendly layout. Can be operated without difficulty at outside temperatures of up to 50°C.

### ELECTRONIC BATTERY ISOLATION SWITCH

Option. Disconnects battery from the electrical system. Guards against total battery discharge. Improved theft protection.

### HOSE PROTECTION

Perfect protection against damage due to hose protection on both sides, ensuring high operational safety.

### CALIBRATION

Specially shaped area under the front cross member enables simple, very easily accessible fitting of the plate load tester.

### HAMM COMPACTION METER

Option. HAMM Compaction Meter for display of HMV value for all models. For VIO compactors, also available with compaction meter for oscillation compaction.

### HCQ NAVIGATOR

HCQ Navigator for comprehensive compaction control and documentation as well as exceptionally uniform compaction.

### TELEMATICS INTERFACE

Option. Standardised interface for the transmission of machine and process data.





## Intelligent systems for optimum compaction

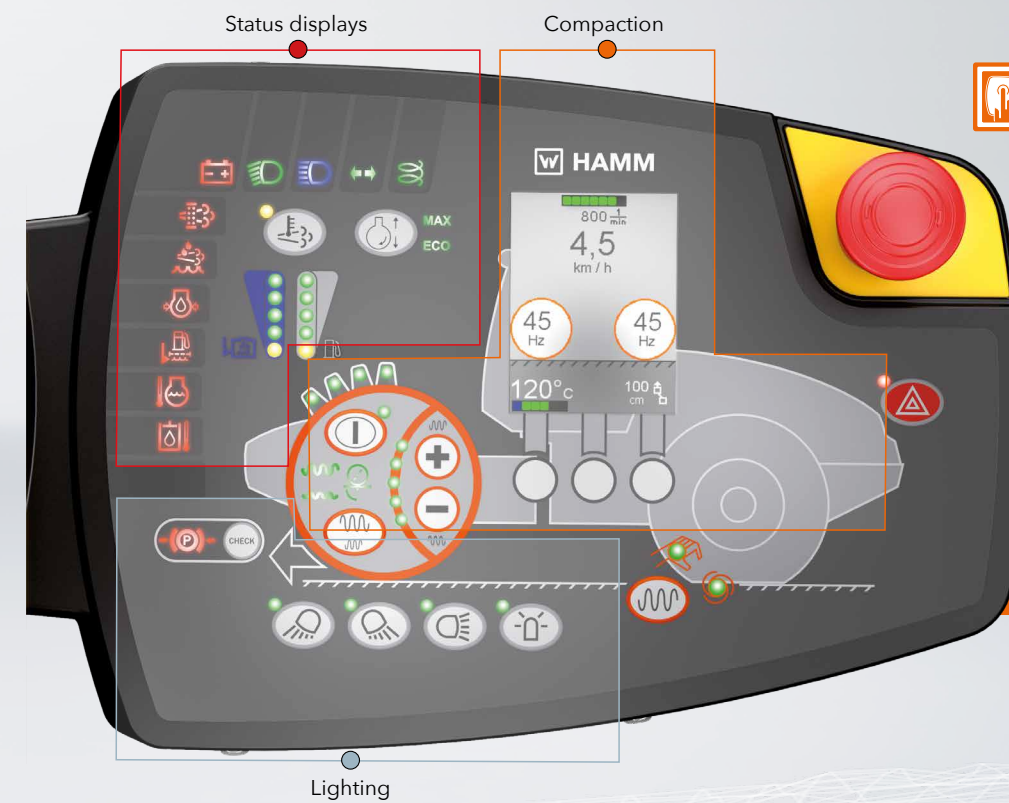
### HCQ Navigator for complete, homogenous compaction

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.

### Hammtronic - 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 Hammtronic, 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 stands for intuitive operation through clear user guidance.

## 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.







Few service items make for great quality: daily maintenance is thus performed quickly.

## 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.





HAMM AG  
Hammstraße 1  
D-95643 Tirschenreuth  
Tel +49 9631/ 80-0  
Fax +49 9631/ 80-111  
[www.hamm.eu](http://www.hamm.eu)



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