

US



The H series Powerful, environment-friendly, comfortable

Welcome to the
compactor of the future!

The operator can reach the driving platform easily and safely via the convenient entry with three large steps and an anti-slip edge at the threshold. There, a comfortable workplace awaits.

The ergonomic seat, operating console and steering wheel are all adjustable. This means every driver will find their ideal working position in which to remain focused for long periods of work.



Convenient and safe: the steps.



- excellent visibility
- optimum ergonomics
- latest engine technology
- high slope angles



All machine models in this series are also available with open driver's platform and ROPS/canopy.

First-class visibility

The spacious working position with plenty of headroom offers a wealth of storage room. Documents can be safely locked away. What's more, the HAMM engineers also thought to provide utility space as well as two 12 V connections for a cooler or to charge a cell phone.



Ready for any challenge

High slope angles

The high slope angles of the H series make compaction easier than ever. They enable the compactors to maneuver safely even in uneven or steep terrain.

Impressive compaction power

The H series compactors rise to any challenge with outstanding compaction force. And the static linear load speaks for itself: on the H 16i for example, it's over 280 lbs/in (50 kg/cm). This means that the compactors are ideally equipped for efficient and speedy compaction with deep penetration.

The right drum for every job

Drums with different exciter systems are available for the H series. In addition to the conventional vibratory drum for all machine models, a VIO drum which can compact using vibration or oscillation is available for the H 13i. Another option is the plate compactor attachment for the H 11i – H 16i models. This ensures optimally compacted surfaces with non-cohesive soils.



Compactor with plate compactor attachment

Vibratory drum

In the vibratory drums, rapid rotation of a rotary vibrator causes the drum to vibrate with the result that vertical compaction forces are directed into the ground.



VIO drum

Unlike with vibration, oscillation creates a movement during which the drum always remains in contact with the ground. The VIO drum combines vibration and oscillation in one system. The driver can switch between the two compaction systems while moving.



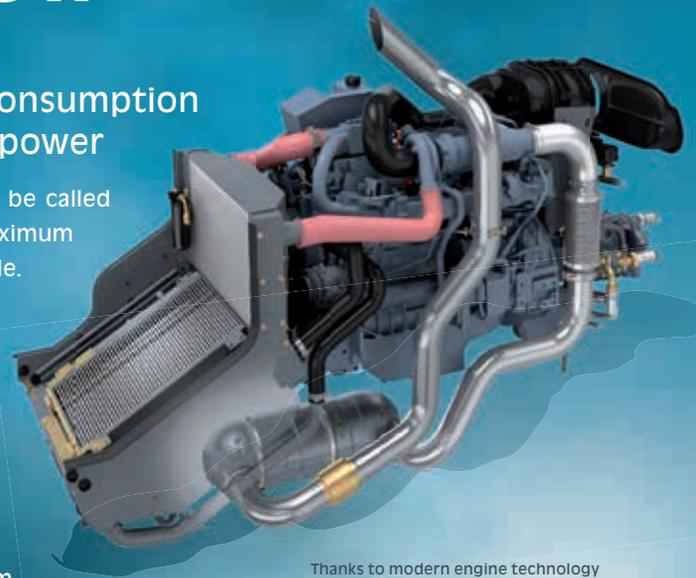
Engine technology for today and tomorrow

Efficient and environment-friendly

State-of-the-art Deutz diesel engines supply the H-series compactors with clean power. With an output of 214 HP (H 18i, H 20i and H 25i) or 140 HP (H 11i, H 13i and H 16i) the power plants have sufficient reserves for efficient compaction, even under extreme conditions. At the same time, they are extremely environment-friendly: state-of-the-art combustion technology and diesel particle filters with automatic regeneration significantly reduce emissions. As a result, the engines satisfy the strict requirements of Tier 4i / EU III B.

Optimum fuel consumption without loss of power

The engine output can be called up in two stages: in "maximum rpm" mode or ECO mode. In the ECO mode, the Hammtronic shows its capabilities and controls the engine speed dynamically, depending on the load requirement. The traction and vibration drives as well as all other components are operated in the optimum range at all times, according to the work situation. This is why the compactors are highly efficient and economical to use.



Thanks to modern engine technology and highly efficient exhaust gas purification, the particulate and nitrogen oxide emissions of the diesel engines have been greatly reduced.



H series

▶ The compactors of the future

1 ▶ Cabin

Driver's cabin with excellent all-around visibility. Individually adjustable operating console with integrated display and freely adjustable steering column. Generous headroom.

18 ▶ Telematics interface

Standardised interface for the transmission of machine and process data.

16 ▶ HCQ Navigator

Optional HCQ Navigator enables comprehensive compaction monitoring and documentation as well as exceptionally uniform compaction.



17 ▶ Lighting / Headlight

Bright worklights on the cabin. Halogen as standard, long-life LED technology also available as an option. Main headlight with full beam.

15 ▶ V-scraper (H 18i – H 25i models)

V-scrappers in front and behind the drum. Fast and easy to change, especially for padfoot segment mounting. Rapid readjustment in case of wear. Special scrapers for padfoot version.

14 ▶ Compaction measurement

A specially designed area under the front cross member is provided to accommodate easily accessible compaction measuring devices.

13 ▶ Wide range of roller drums

Available with a smooth drum, padfoot drum, padfoot segments and VC crusher drum.

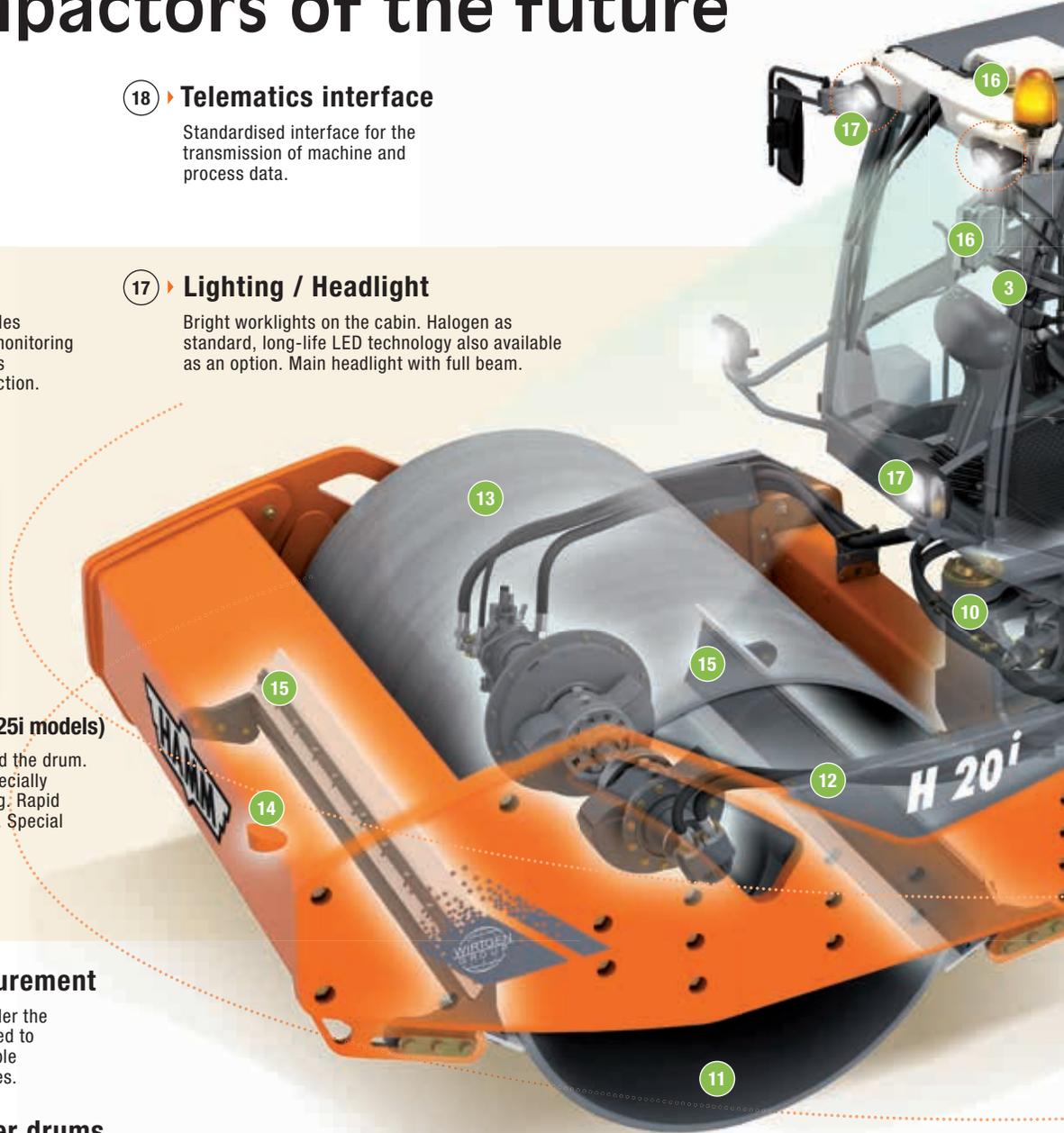


12 ▶ Hose protection

Optimum protection against damage thanks to hose protection on both sides ensuring great operational reliability.

11 ▶ High static linear load

High static linear load of more than 338 lbs/in (H 20i).



2 ▶ Driver comfort

Comfortable driver's seat, individually adjustable and rotatable. Outstanding view over the machine and the surrounding construction site from all seat positions.



3 ▶ Steering

Agile roller with direct steering for reduced driver steering effort.

4 ▶ Drive train

Modern, water-cooled engines with diesel particulate filter and automatic soot particle regeneration. Complies with the requirements of EU-level III B and US-EPA Tier 4i and guarantees low-noise, environment-friendly operation.

Type	Basic data		
H	Weight class (ton)	Drum width (in)	Motor output (HP)
H 11i	12	84	140.7
H 13i	14	84	140.7
H 16i	17	84	140.7
H 18i	20	84	214.4
H 20i	21	84	214.4
H 25i	26	84	214.4

5 ▶ Oil and water cooler

Efficient oil and water cooling. The cooling air volume adapts to the cooling requirements. The result is a reduction in energy requirement and noise emissions.

6 ▶ Drive control

Safe drive control via two joysticks. Preselection of maximum speed is standard. Automatic assistance when reversing makes for gentle acceleration and braking. High top speed (8.7 mph).



7 ▶ Hammtronic

Comes as standard with the "Hammtronic" electronic machine management for the monitoring of all engine and vehicle functions. Automatic traction control drive, vibration and engine speed to the current operating conditions. Reduces fuel consumption, exhaust gas and noise emissions significantly.

HAMMTRONIC

8 ▶ Airflow

Intelligently designed airflow for effective engine cooling. Engine cooling is ensured without heating up the operator's platform.



10 ▶ Three-point articulation joint

Outstanding off-road mobility, unique driving stability and directional stability provide for secure maneuvering even on uneven terrain.

9 ▶ Steps

Easy access with three wide steps.



Intuitive operation

Operating displays

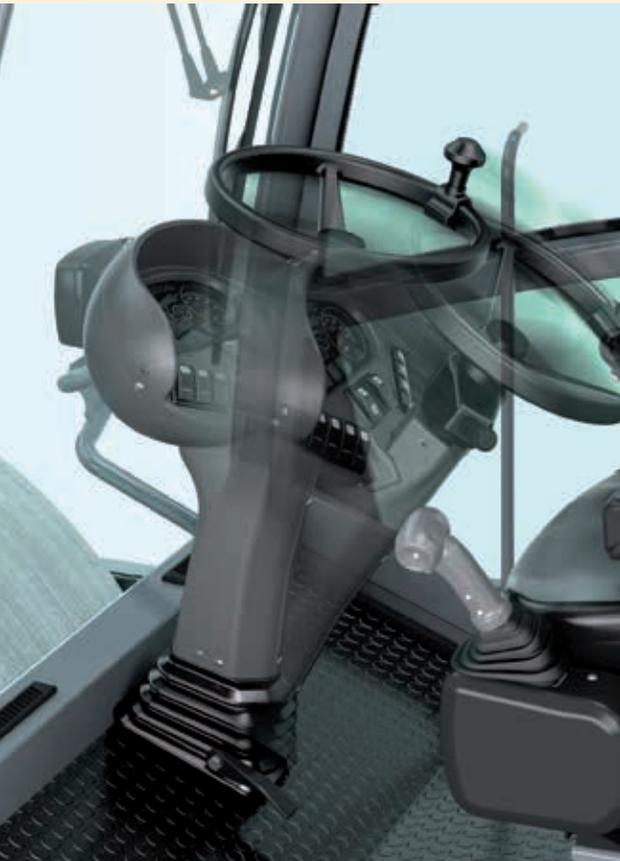
Compaction measurement



Driving & compaction

Service

Safety & environment



The angle of the steering column is adjustable.



From the seat, the operator has a clear view of the machine and work site.

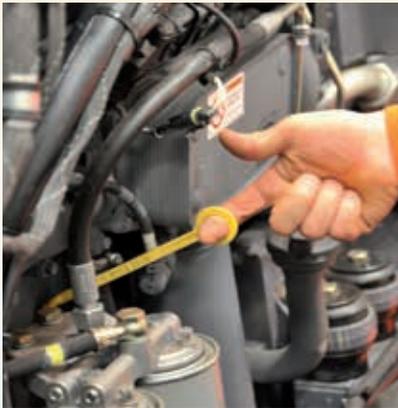
Simple, logical and language-neutral

Intuitive operation is one of the hallmarks of HAMM. This principle has been systematically developed in the new H series compactors.

All the important displays and operating elements are located on

the operating console. The clear symbols and logical layout facilitate intuitive operation. Moreover, all displays are language-neutral. Only the controls for the wipers and air conditioner are integrated into the cab ceiling.

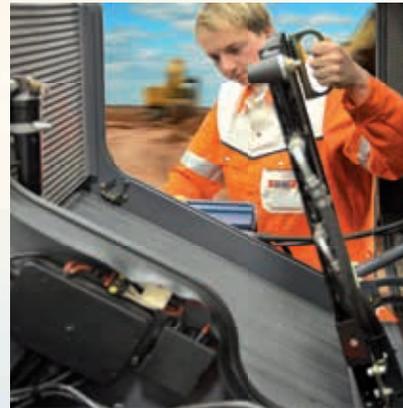
Maintenance and service? Simply easy.



The easy-access maintenance points ...



... make maintenance work extremely easy.



Fold-out condenser for the air-conditioning unit over the engine fluid cooler.

Ergonomics and efficiency in day-to-day maintenance

Easy access to the engine compartment ensures that the minimal servicing and maintenance work required by the H series compactors is always performed in next to no time. All service points and the battery are in easy reach. Cleaning and changing the innovative air filter is now easier than ever.

The H series rollers also come standard with a secure storage space under the engine cover in which to keep a toolbox for example.

On the larger H 18i – H 25i models, an electric hood opening/closing system makes it easier to open and close the engine cover.



Excellent visibility
in all directions



Everything in view

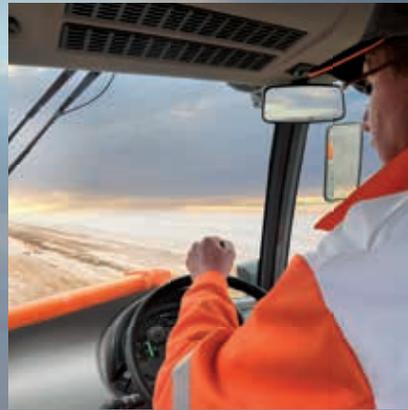
With an ingenious frame structure and a slender engine cover, drivers of the H series compactors enjoy a clear view of the ground to be compacted. The exhaust does not intrude either, being cleverly integrated into the structure in such a way as not to impede the view.

Good rear-view vision as well

Additional safety is provided by the rear view camera (optional). A display allows the driver to check for the presence of people or obstructions in the area immediately behind the roller at any time. The camera can also be fitted as an upgrade to existing machines.

Don't get left in the dark

The H series compactors are fitted with halogen work lights on the cab as well as machine mounted driving lights. As an alternative, especially long-lasting LED lamps can also be installed on the cab.



Unrestricted view of the drum.



Camera with infrared LEDs for improved night vision.



World class design

Since 1998, HAMM has received at least one design award for every newly developed machine series. The H series maintains this tradition in impressive style, having received a total of five international design awards. Here, in addition to visual

design, particular attention is placed on factors such as the workmanship, degree of innovation, environmental impact, functionality and ergonomics. HAMM leads the field in all these categories.





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