



**H 20<sup>i</sup>**

# H 20<sup>i</sup> compactor

Top performer,  
environmentally friendly,  
comfortable

- excellent visibility
- optimal ergonomics
- future-oriented engine technology
- superior approach angles

## Welcome to the compactor of the future!

The operator has convenient, safe access to the operator platform via curved footplates with three large steps and an anti-slip edge on the door threshold. There, a comfortable workplace awaits.

The ergonomic seat, control console and steering wheel can all be freely adjusted. This means every driver can find the optimal working position, allowing them to concentrate on the task in hand even when working for long periods.

The operator has easy access from both sides of the machine.



## First-class visibility

The chassis combines with the sleekly designed engine cover to provide a clear view of the machine's surroundings. The exhaust is cleverly integrated into the structure to avoid impairing the field of vision.

The spacious workplace has ample headroom and is enhanced by a versatile array of storage options. Important documents can be locked away. Finally, the HAMM engineers also thought to provide utility space as well as two 12 V connections for a lunch box or cell phone.



From the cab, the operator has a clear view of the machine and work site. The blind zone in front of the roller drum has an area of less than 1 x 1 m.

## Intuitive operation

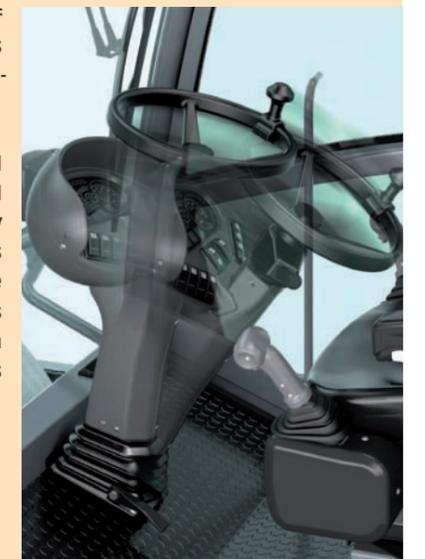


## Simple, logical, language-neutral

Intuitive operation has been one of HAMM's hallmarks for many years. This principle has been consistently advanced in the new H20i compactor.

All of the important displays and operating elements are positioned on the operating console for easy operator access. The clear symbols and logical layout facilitate intuitive operation. Also, all of the displays are language-neutral. Only operation of the wipers and air conditioner is integrated into the cab ceiling.

The angle of the steering column is adjustable, including a perfect view on the drum.



# H 20<sup>i</sup>

## ▶ The compactor of the future

### 1 ▶ Cabin

Operator's cabin with perfect all-round visibility. Generous headroom. Comfortable driver's seat, individually adjustable operating console with integrated display, easily adjustable steering column.

### 2 ▶ Driving comfort

Comfortable driver's seat, individually-adjustable and rotatable. Excellent view of the machine and the surrounding area from every seating position.



| Type             | Operating weight (t) | Roller drum width (m) | Static linear load (kg/cm) | Engine power (kW) |
|------------------|----------------------|-----------------------|----------------------------|-------------------|
| H18 <sup>i</sup> | 18,4                 | 2,14                  | 54                         | 160               |
| H20 <sup>i</sup> | 19,7                 | 2,14                  | 60                         | 160               |
| H25 <sup>i</sup> | 24,5                 | 2,14                  | 78                         | 160               |

### 17 ▶ Lighting/Full beam

Bright worklights on the cabin. Halogen as standard; highly cost-effective, long-life LED technology available as option. Main headlights with full beam.

### 16 ▶ HCQ-GPS navigator

Available with HCQ-GPS navigator as option. Enables all-around supervision and documentation of compaction in order to ensure uniform compaction.



### 15 ▶ V-scrapers

V-scrapers in front of and behind the roller 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 ▶ Diverse roller drums

Available with smooth drum, with padfoot segments and with padfoot drum.



### 12 ▶ Hose protection

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

### 11 ▶ High static linear load

High static linear load of more than 60 kg/cm (H20<sup>i</sup>).

### 10 ▶ Three-point articulated joint

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

### 9 ▶ Operator access

Convenient access from both sides via three large steps.

### 3 ▶ Steering

Agile roller with direct steering means less steering work for the operator.

### 4 ▶ Drive train

Advanced, water-cooled 6-cylinder engine with diesel particulate filter and automatic particulate filter regeneration. Fulfills the requirements of the EU's Stage IIIB and the American EPA's Tier 4i and guarantees low-noise, environmentally friendly operation.

### 5 ▶ Oil and water cooler

Efficient oil and water cooling. The volume flow of cooling air adapts to the required cooling capacity. This reduces both power consumption and noise emissions.

### 6 ▶ Drive control

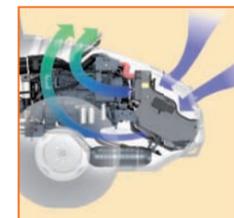
Dependable drive control using two joysticks (2nd control lever optional). Preselection of maximum speed is standard. Automatic support at reverse movement enables soft braking and acceleration. Very high final speed of 14 km/h.

### 7 ▶ Hammtronic

The standard electronic machine management system "Hammtronic" allows all vehicle and engine functions to be monitored. Drive, vibration and engine speed are automatically adjusted to the current operating conditions, resulting in significantly reduced fuel consumption, exhaust gas and noise emissions.

### 8 ▶ Air duct

Intelligently designed air duct for effective engine cooling. Engine cooling is ensured without heating up the operator's platform. Operation is possible at outside temperatures of up to 50°C.



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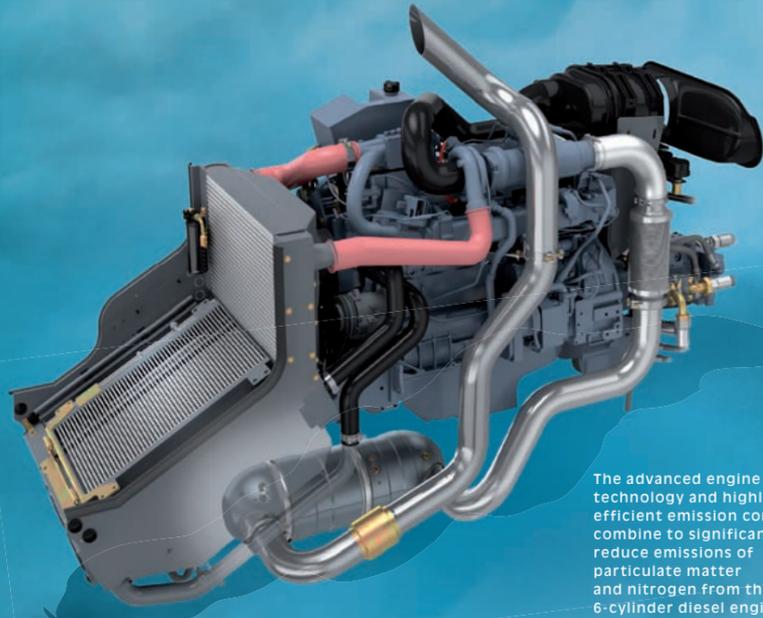
# Engine technology with a future

## Reduced emissions

With its Deutz 6-cylinder diesel engine, the new H 18i-25i compactor series has plenty of clean power. The unit with its 160 kW of power ensures adequate reserves for efficient compaction even under extreme conditions.

At the same time it is extremely environmentally friendly: State-of-the-art combustion technology and a diesel particulate filter with automatic regeneration combine to deliver a considerable reduction in emissions. As a result, the engine satisfies the stringent Tier 4i / EU IIIB / MLIT Step 4i requirements.

The advanced engine technology and highly efficient emission control combine to significantly reduce emissions of particulate matter and nitrogen from the 6-cylinder diesel engine.

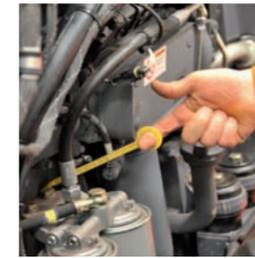


## Optimizing fuel efficiency without power loss

The engine's power is available in two stages: Either nominal speed mode or ECO mode. In the ECO stage, the Hammtronic shows off what it can do, controlling the engine speed dynamically as a function of load requirement. The traction and vibration drives as well as all of the other components are operated in the optimum range at all times, in accordance with the working conditions.

## Top compaction power

The new compactors are true competitors with their reworked roller drums. The most important change: The static linear load has been increased and is now over 60 kg/cm (H20i). This makes the compactor extremely well equipped for fast, efficient compaction with deep effect.



The easy-access maintenance points ...



... are all located on one side of the machine.



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

# Maintenance? Easy.



## Ergonomics and efficiency in day-to-day maintenance

The minimal servicing and maintenance work required by the H18i-25i is always performed in very little time thanks to easy access to the engine compartment. All service points are located on one side of the machine, along with the battery. Cleaning and exchanging the innovative air filter is now easier than ever.

The cleverly arranged work spotlights provide proper illumination of the engine compartment when the hood is opened. This enables service work even under poor lighting conditions.

Another standard feature is a protected storage area under the engine hood, e.g. for a toolbox.



Excellent off-road mobility due to large angles of approach in front and back.

## Good clearance

Newly designed cross members and scrapers make compaction work simpler than ever. The large front angle of approach is clear from the very first glance. This allows the compactor to maneuver even in uneven or steep terrain.

Good clearance between the cross member and roller drum prevents wet material from building up on the roller drum. In addition, V-scrapers in front of and behind the roller drum continuously remove any accumulated material.





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