



**GRW 280**





The operator's seat can be shifted to the outer edges of the platform – providing an optimal view of the wheels.



The steering column bracket is fully adjustable.



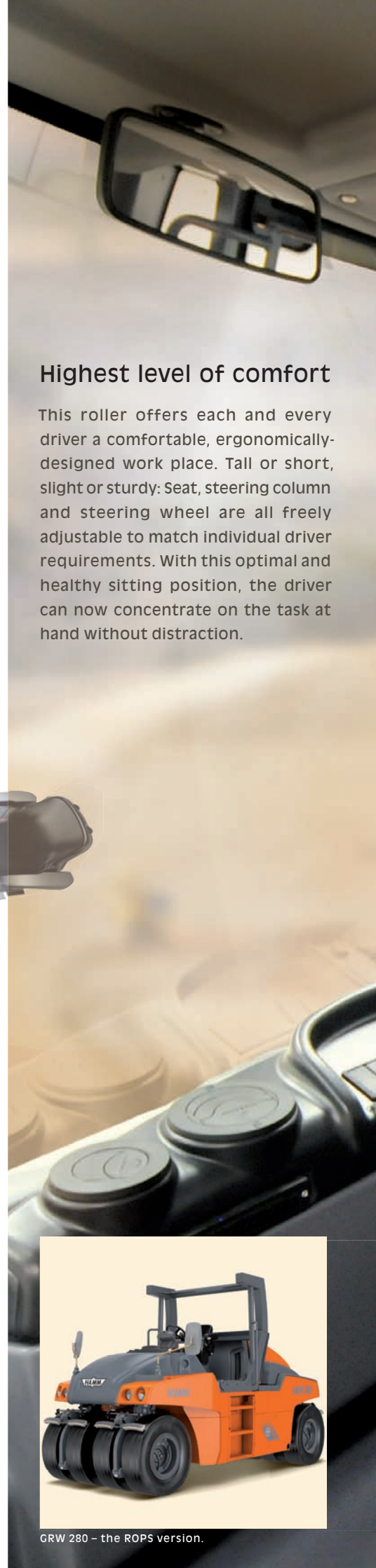
The driving seat can be rotated 90° to the left or right by a single hand movement.

The driver can access the glazed panoramic cabin from either side of the machine. The asymmetrically-designed roller frame allows the driver an unhindered view of the outer wheels.



## Highest level of comfort

This roller offers each and every driver a comfortable, ergonomically-designed work place. Tall or short, slight or sturdy: Seat, steering column and steering wheel are all freely adjustable to match individual driver requirements. With this optimal and healthy sitting position, the driver can now concentrate on the task at hand without distraction.



GRW 280 – the ROPS version.



# GRW 280: the state-of-the-art rubber-wheeled roller

- perfect visibility
- large driver's cabin
- modern drive
- flexible ballasting

## A complete overview

Sometimes less is more: In the past, it was necessary to install two fixed driver's seats. In the GRW 280, a single seat with integrated operating console is sufficient. In no time at all, the driver can shift his adjustable, rotatable seating unit to the outer edges of the machine. The operating panel on the driver console remains in permanent view.

**Climb in  
and enjoy**

Experience the rubber-wheeled roller of the future.

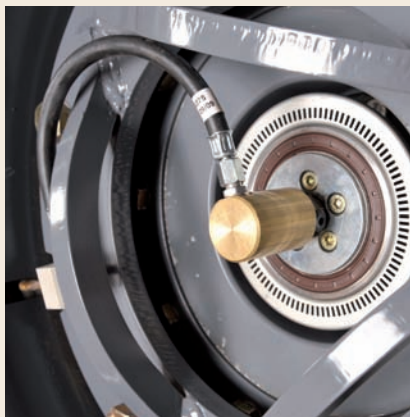




The hydrostatic drive can be very sensitively controlled. Therefore, the GRW 280 is as responsive to braking and starting as a tandem roller and guarantees high quality compaction.

### Fast, precise and safe

All rollers in the GRW 280 series offer excellent driving comfort coupled with the highest level of precision. The new hydrostatic rear-axle drive coupled with sensitive steering facilitates automotive drive and a precise setting of speed, as well as smooth acceleration and gentle braking. This helps prevent unevenness during compaction and increases compaction quality.



The inflating unit allows the driver to alter the inflation pressure at any time during operation to ensure optimal working conditions for the material to be compacted.

# Quality and performance at the highest requirements



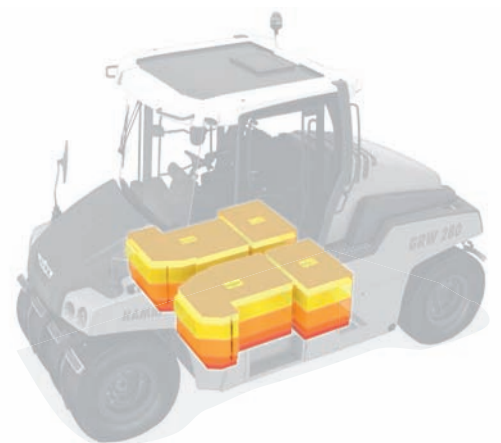
# ance to meet ents



The panoramic cabin affords the driver a perfect view of his work surroundings, both front and rear.

## Simple ballasting to 28 t

An intelligent concept simplifies essential ballasting modifications in the range between 10 and 28 tonnes. At the heart of it are the large ballast spaces located between the wheel sets and the open compartment frame below. Loading and unloading can be carried out with minimal effort: The concrete or steel ballast bodies are conveniently inserted or taken out using a hand lift or fork-lift truck.



The ballast spaces can be loaded with slabs of varying thicknesses and materials. Thus, machine weight can be adjusted quickly and easily.

## Uniform weight distribution

The ballast spaces ensure that the weight of the machine is equally distributed over both machine axles at all times – the optimal pre-requisite for quality compaction. The load per tyre can vary within a range of 1.25 – 3.5 tonnes.



With a machine height of less than 3 m and an even weight distribution between front and rear-axle, the GRW 280 is perfectly equipped for the most varied applications.



# GRW 280

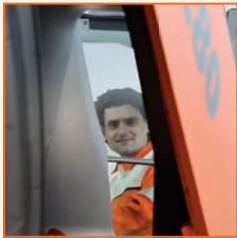
## ► The state-of-the-art rubber-wheeled roller

### 1 ► Operating and driving comfort

Comfortable driver's seat, side-movable and rotatable, with freely adjustable steering column. Steering with 2 joysticks. Individually-adaptable console with integrated display and intuitive controls. Well-designed and clearly-marked controls for cabin air-conditioning, lighting, etc.

### 16 ► Viewing channel

An opening in the frame allows the contact surface of the wheels to be seen from the cabin. Lighting provided for night-time operation.



### 15 ► Levelling

Elegant solution for levelling the front wheel suspension provided by two swing arms positioned between the front wheel pairs.



### 14 ► Wheel suspension

Newly-designed wheel suspension system ensuring uniform pressure distribution over the working surface, irrespective of ground conditions.

### 13 ► Disc brakes

Powerful braking system with discs on the front axle for machines starting from 20 tonnes maximum weight. Deceleration values well above specified requirements – even at high driving speeds and under maximum ballast.

### 12 ► Tyre filling system

Allows rapid adjustment of tyre pressure – even during compacting operations.

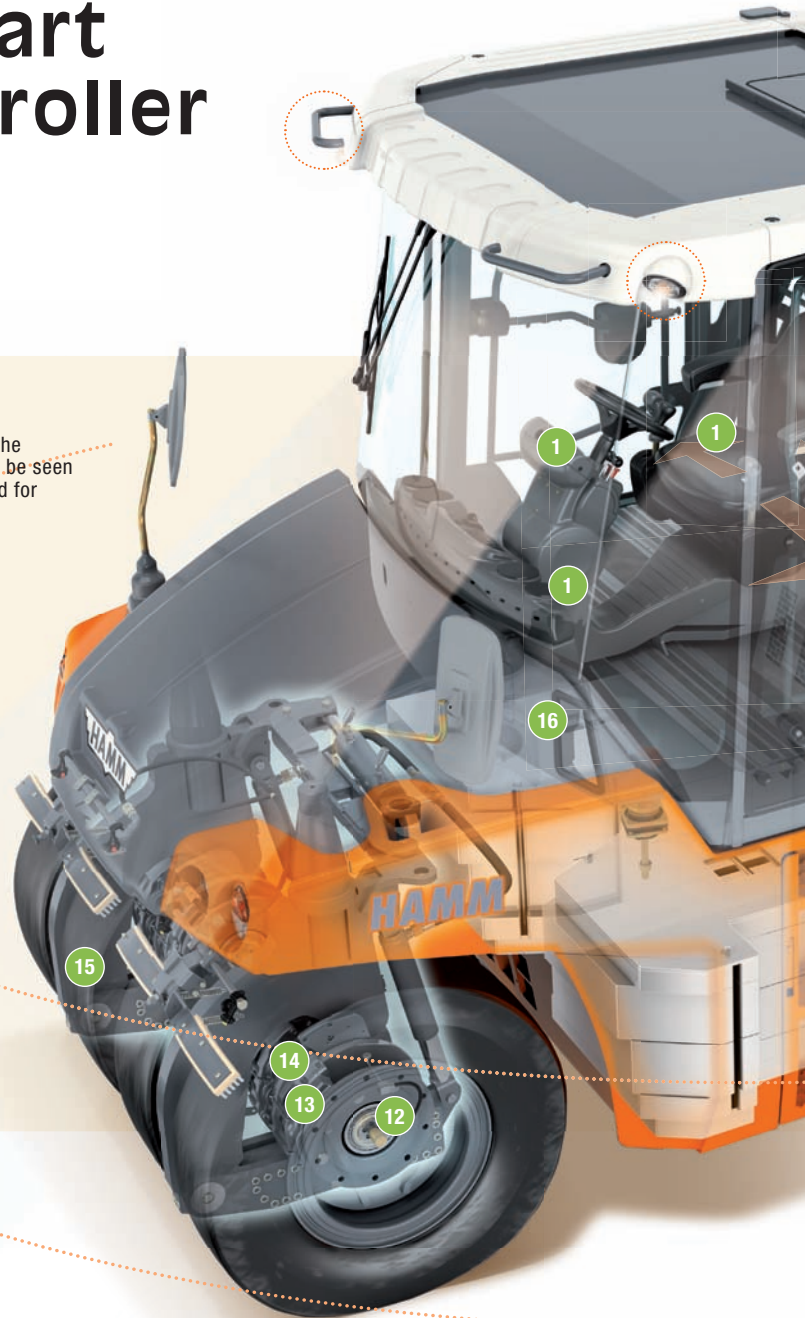
### 11 ► Servicing access

Stowable, safe cabin access. The steps are also used to provide access to the engine.



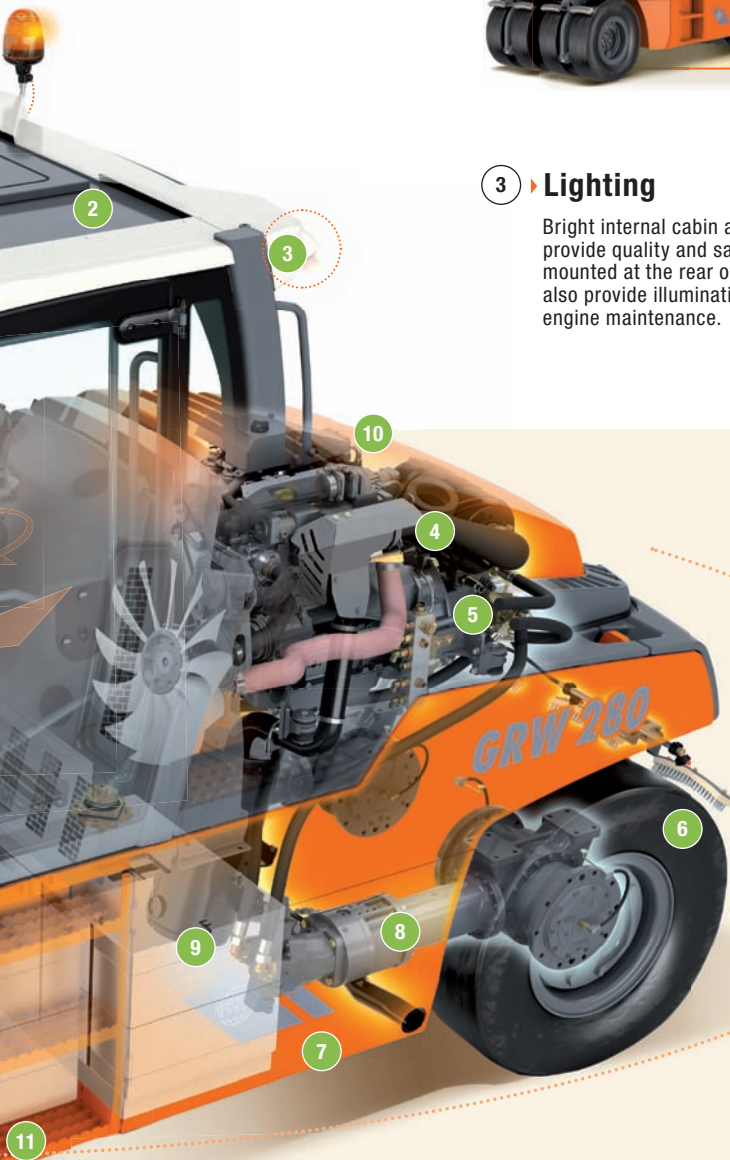
### 10 ► KAG

Edge presser and cutting equipment including track indicator for clean chamfering of the roadway. Can be mounted on the right hand side of the rear.



## 2 ▶ ROPS

Driving position with perfect all-round visibility. Available with XXL panoramic cabin and integrated roll over protection, or as an open ROPS version.



## 3 ▶ Lighting

Bright internal cabin and frame lighting provide quality and safety. Lights mounted at the rear of the cabin frame also provide illumination for carrying out engine maintenance.

Type	Operating weight (kg)	Max. working width (mm)	Tonnes / wheel	Engine Power (kW)
GRW 280 -10	9.700	2.084	1,25	100
GRW 280 -12	12.600	2.084	1,5	100
GRW 280 -16	15.800	2.084	2,0	100
GRW 280 -20	20.200	2.084	2,5	100
GRW 280 -24	24.300	2.084	3,0	100
GRW 280 -28	27.800	2.084	3,5	100

## 4 ▶ Latest engine technology

Powerful drive unit located at the rear of the machine. Modern, water-cooled DEUTZ 4-cylinder in-line engine with common rail injection system complying with EU Stage III and US EPA Tier III requirements. Low-noise, environmentally-friendly operation guaranteed.

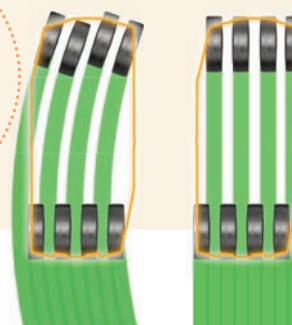
## 5 ▶ Air duct

Cleverly positioned exhaust to direct fumes away from the machine and the driver. Intelligent use of supply air with cooling effect.



## 6 ▶ Overlapping tracks

Complete compaction ensured by generous overlapping of tyre tracks.



## 7 ▶ Asymmetrically designed frame

Asymmetric frame, designed to match the position of the wheel sets. For the first time, the outer edges of the wheel sets are constantly visible.

## 9 ▶ Ballasting

The variable ballast concept allows precise loading of the machine to suit variations in asphalt grade, layer thickness and application. Generously dimensioned ballast space with easy loading and unloading for various ballasting materials.

## 8 ▶ Hydrostatic drive

Hydrostatic rear-axle drive for effective driving during transport and compaction. Modern steering system comprising 2 joysticks for automotive driving with gentle braking and smooth acceleration.





# Simple, fast and safe



The GRW 280 is designed to be service friendly: all maintenance work can be carried out on one side of the engine. Water refilling and diesel refuelling points are easily accessible. The cabin lighting system also provides sufficient illumination for engine maintenance activities carried out when working at night.



## Safe servicing platform

Cleverly designed and practical is the access to the driver platform. The steps are integrated into the outer contour of the machine frame and hinged. When folded out, they simultaneously provide a safe ascent to the engine servicing platform.



Quick access to the operator's platform.



Simply unlock the mechanism, fold over the steps ...

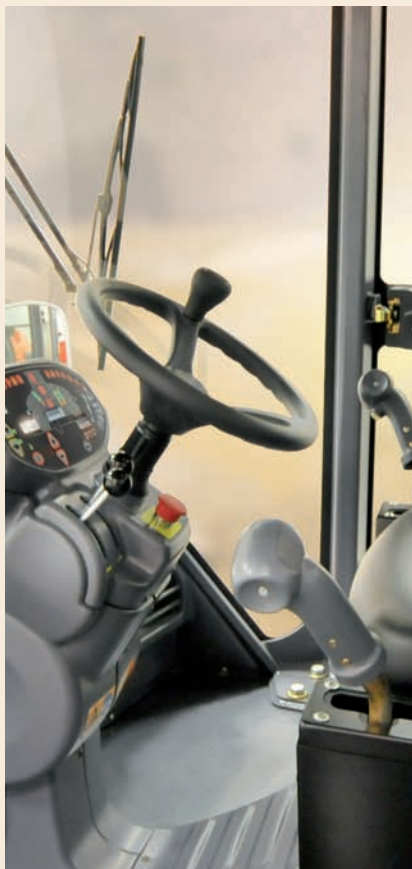
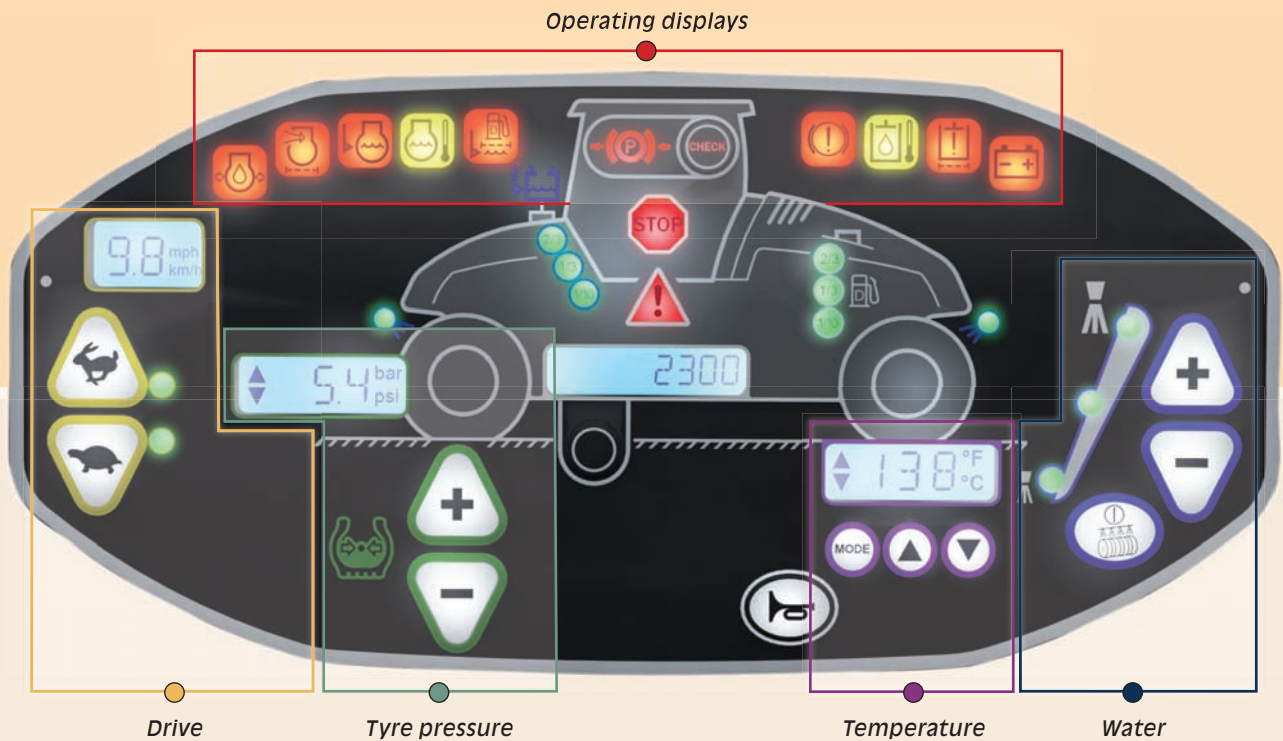


... and relock the steps on the outer frame. Done!





# Intuitive operation



Instead of the usual foot pedal, the GRW 280 driver controls both speed and direction using a joystick, enjoying a greater degree of driving comfort.

## Operating comfort as a priority

With its clearly structured control panel, the GRW 280 is just the latest in the line of easy to operate, comfortable and ergonomically designed HAMM rollers. Frequently used controls and displays are positioned on the console in the optimal field of vision of the driver.

**Further highlight:** All displays are language-neutral. The roller is almost entirely intuitive and totally safe to operate!



The operating concept of the GRW 280 corresponds to that of a tandem roller. This increases efficiency, since personnel can be flexibly allocated to the operation of either type of machine without having to undergo further on-the-job training.



# Outstanding visibility



Whether fitted with cabin or with the open driver platform of a ROPS frame – the driver of a GRW 280 has an excellent view of his machine and the work site at all times.

## Asymmetrically designed frame

The new asymmetrically designed frame not only gives the GRW 280 an attractive look, but offers a number of advantages. Above all, outstanding visibility. With symmetrical frames, the wheels can only be seen with difficulty. The new design, with symmetry based on the wheel sets, offers the driver an unhindered view of the wheels on both sides of the machine.



Driving seat and console can be adjusted to any desired operating angle.



## Compact design

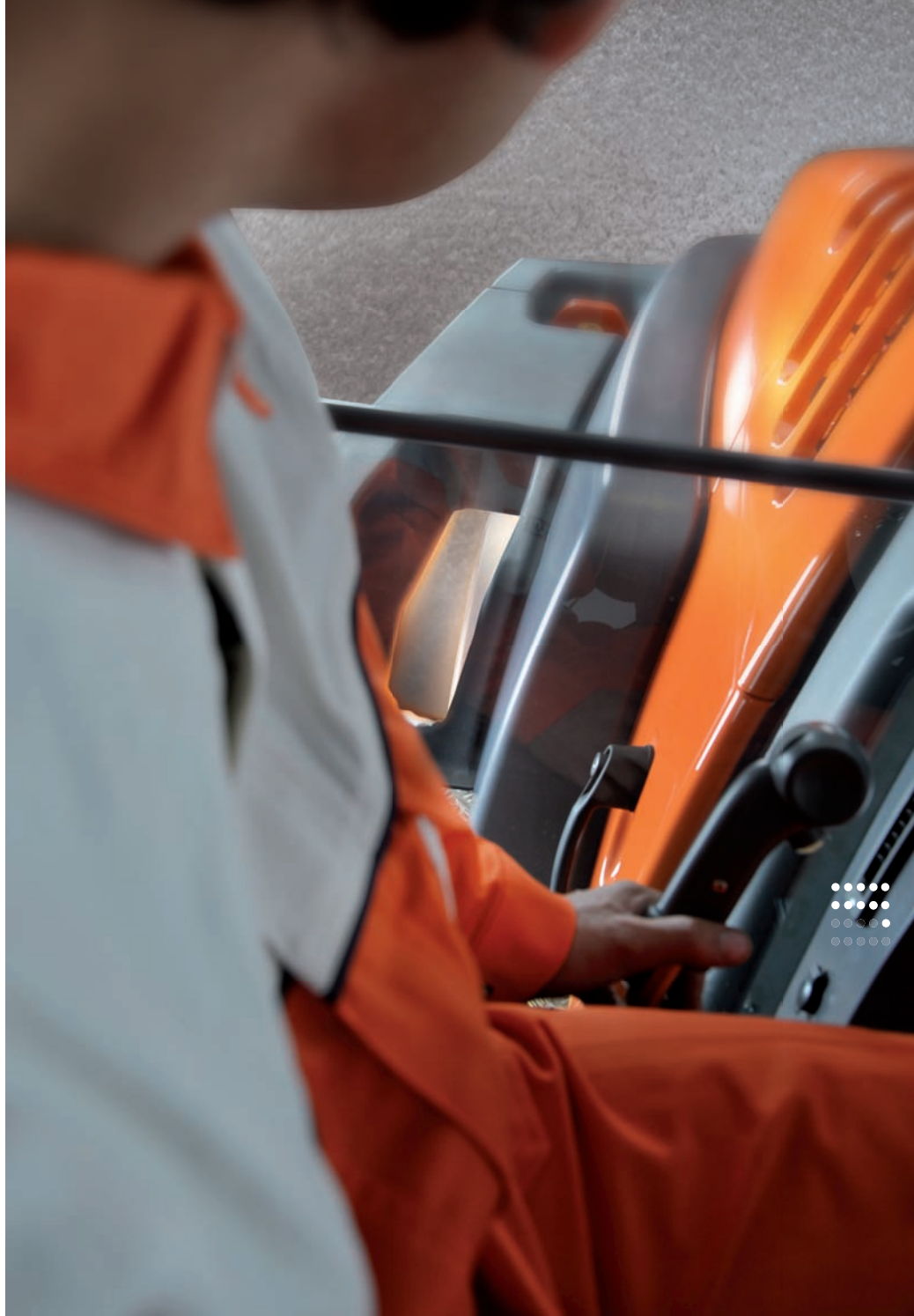
With the new design of its frame, its modern panoramic cabin and other design optimisations, the GRW 280 is logically configured, user-friendly and compact. During operation, the machines are extremely versatile and manoeuvrable no matter the ballasting weight.





## Award-winning design

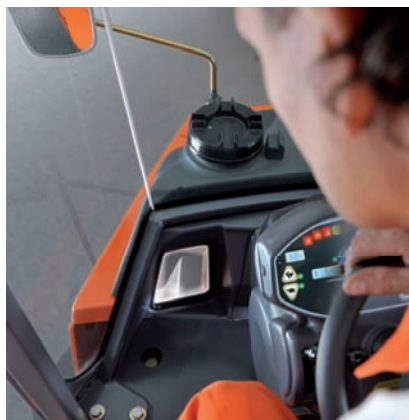
The modern, intelligent design of the GRW 280 has been recognised and bestowed with design awards at international level. The innovative rubber tyre roller impressed the juries of both the “iF” and the “reddot” design awards. These are prizes awarded for outstanding ergonomics, functionality and environmental compatibility.



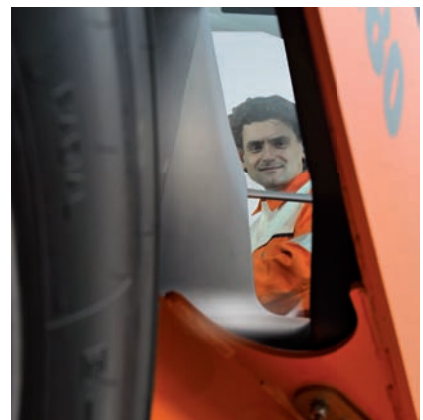
View from the cabin: the rear wheels as seen through the viewing channel.

## Viewing channels keep the contact surface in view

Viewing channels built into the frame allow an unhindered view of the outer wheels of the machine. From the cabin, the operator can continuously check whether the wheels are sufficiently wet or picking up bitumen and whether filling pressure is adequate – in short: compaction quality is increased. The viewing channels are also ideally illuminated for night-time operation.



View from the cabin: the front wheels as seen through the viewing channel.



Only at HAMM: Unhindered view of the wheels.





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