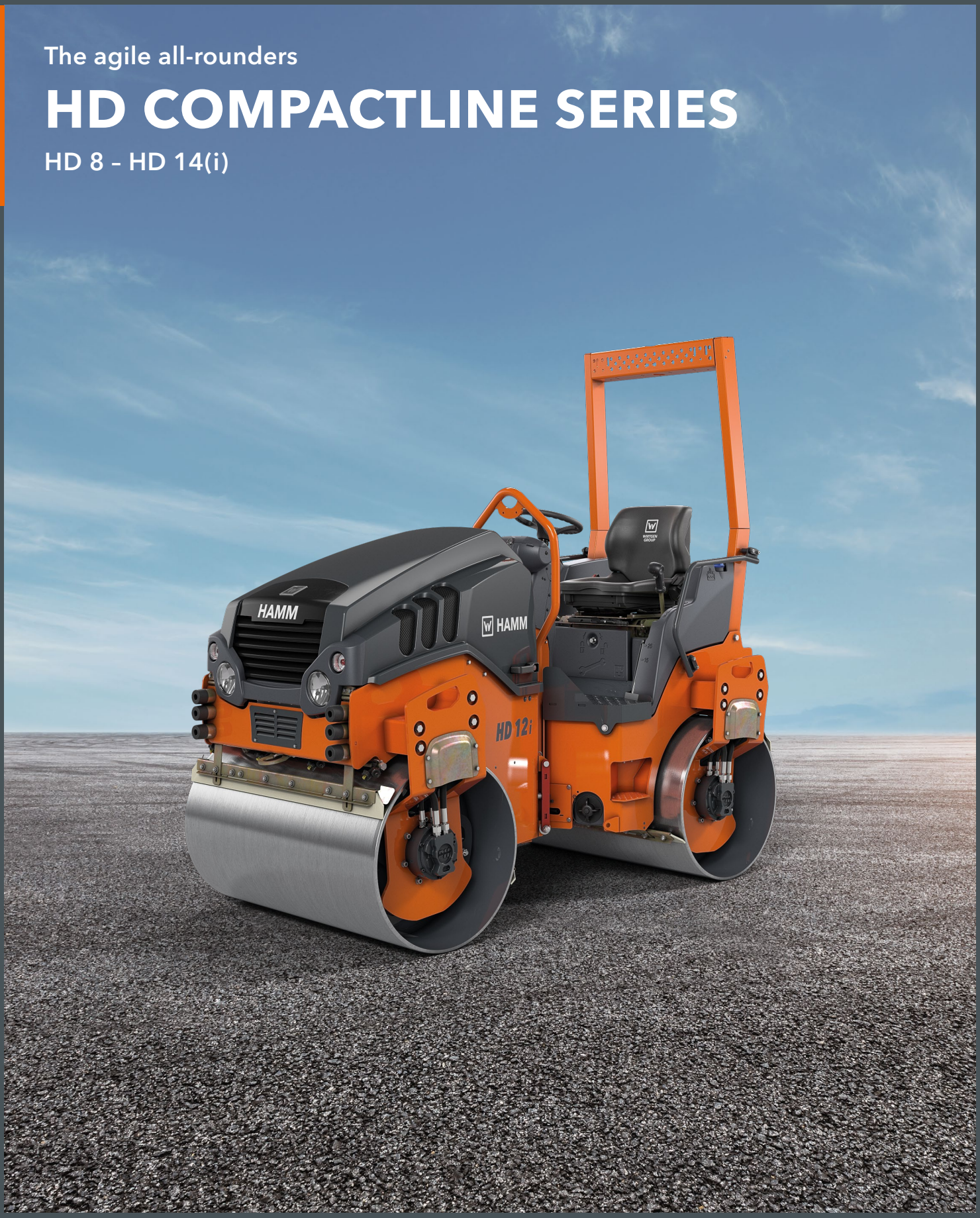
A WIRTGEN GROUP COMPANY

HAMM

The agile all-rounders

HD COMPACTLINE SERIES

HD 8 – HD 14(i)



THE WASP-WAIST ROLLERS

Compact compaction equipment for asphalt construction and earthworks

Founded in 1878, HAMM has focused on the manufacture of rollers for road building since the beginning of the 20th century. From that time on, HAMM has been the driving force and trendsetter in the industry. Many technologies and solutions that have become the standard in the compaction sector were developed by HAMM.

The articulated compact rollers in the HD CompactLine, with operating weights between 1.5 and 4.5 t, are real all-rounders for asphalt construction, earthworks and landscape gardening. They compact crushed rock, gravel or sand to exactly the same high quality as carriageways made from standard and special asphalts.

With their extremely compact shape, they also compact efficiently in narrow spaces. For example, in urban areas or on narrow paths. The low height also allows for compaction in halls, in parking decks and anywhere where the ceiling height is restricted. Thanks to their excellent gradeability, the rollers in the HD CompactLine also master challenging tasks such as compaction on steep ramps with ease.

With over 40 models – including vibration, oscillation and pneumatic-tyre rollers – and drum widths between 0.80 m and 1.38 m, the HD CompactLine covers the entire range of compact rollers. In addition, there are numerous options such as chip spreaders or a cabin for the larger models, as well as solutions for special applications and local requirements.

HAMM PRODUCT RANGE

TANDEM ROLLERS, ARTICULATED
> Drum width: 800 – 2140 mm
> Operating weight: 1.5 – 14 t

TANDEM ROLLERS, PIVOT-STEERED
> Drum width: 1500 – 1680 mm
> Operating weight: 7 – 9 t

SOIL COMPACTORS
> Drum width: 1370 – 2140 mm
> Operating weight: 5 – 26 t

PNEUMATIC-TYRE ROLLERS
> Width over tyres: 1127 – 1830 mm
> Operating weight: 4 – 27 t

HAMM

OVERVIEW OF THE HIGHLIGHTS

Perfectly equipped

01 Operation and comfort
> Language-neutral, simple operation
> Ergonomically optimal working conditions
> Great freedom of movement for all drivers
> Great driving and handling characteristics

02 Visibility
> Safe and high-quality compaction thanks to the perfect view of the drum edges, the area around the machine and the construction site
> Great illumination in the dark

03 Compaction
> The 3-point articulation and large drum diameters allow for homogeneous compaction
> Great compaction power thanks to the high linear load
> Even small areas can be compacted to a high standard of quality

04 Water-sprinkling system
> Reliable water system for constant sprinkling
> Easy to fill and drain

05 Transport and safety
> Rapid loading and unloading via a central lifting point
> Safer transport thanks to numerous tie-down points

06 Maintenance and service
> Extremely simple and fast maintenance
> Large filler neck
> Easily accessible maintenance points, wide-opening engine hood

> Ideal rental machine
> Outstanding design

MAXIMUM COMFORT

Optimal working conditions for first-class compaction

Rollers with feel-good factor

The rollers in the HD CompactLine offer a comfortable seating position with great freedom of movement. The seat can be adjusted lengthways and can also be moved sideways on the larger models. There is also always enough space for the arms, even if the driver's seat is moved all the way to the side. There is also a storage compartment for documents and personal items.

Comfortable workstation

The driver's seat, steering column, armrest, driving lever and footplate are mechanically isolated from the frame. This means that barely any vibrations are transmitted to the driver's seat. This makes working on HD CompactLine rollers comfortable, even during long operating intervals. In combination with the 3-point articulation, which provides effective shock absorption, the rollers in the HD CompactLine offer first-class driving comfort.

Comfortable driver's seat
available in many variants

Cup holder
and 12 V socket as standard

Armrests on both sides
for comfortable work and safe access

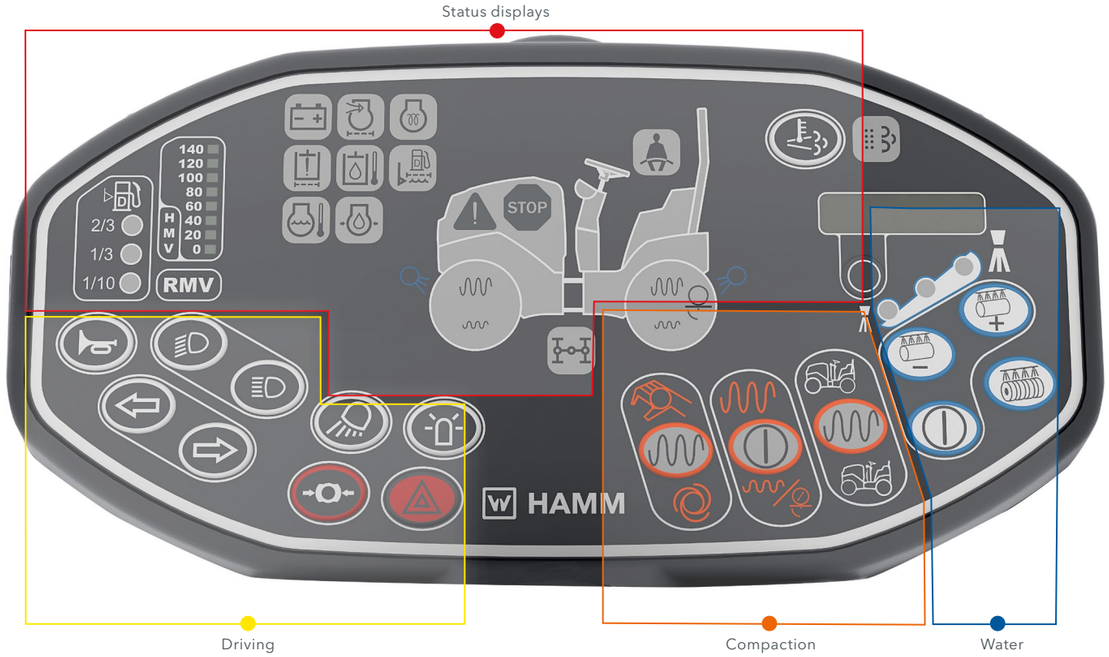
There is a lot of room in the cabin floor of the operator's platform – even for long legs.

CLEAR AND SIMPLE

Clear and structured, and easy for everyone to understand

Operation: Straightforward and intuitive

Operation of HD CompactLine rollers is extremely easy and can be mastered in a matter of minutes. Accurate labelling, straightforward symbols and colours clearly display the functions of the operating elements. It is therefore immediately clear, even to new personnel, how to operate the rollers. No language knowledge is necessary, meaning that the drivers can very quickly carry out compaction tasks to a high level of quality.



01 Dashboard

> Clear dashboard with language-neutral operation

02 Vandalism protection

> Robust, lockable flap above the dashboard effectively protects against vandalism

03 Two driving levers

> Two driving levers for effortlessly operating the drive control on both sides (the second driving lever is optional for HD 8, HD 9 and HD 10C)

04 Armrests

> Help with climbing into the machine
> Available with and without padding

05 ROPS or cabin

> Rigid or folding ROPS, with protective roof (metal or tarpaulin) depending on the version
> ROPS cabin available for HD 13(i) and HD 14(i)

EVERYTHING IN VIEW AT ALL TIMES

Drum edges and construction site under control

Great visibility, even at night
The rollers in the HD CompactLine can be equipped with working spotlights on the ROPS bracket and the ROPS cabin. The durable, extremely bright LED lights guarantee great visibility on construction sites at night or in tunnels.
All models of 2.5 t and above can also be equipped with powerful additional drum edge lighting.

Elevated side plates provide plenty of side clearance when working alongside kerb edges.

Good side clearance as standard
All HD CompactLine rollers offer extremely good side clearance thanks to their inwardly offset suspensions. The drums of the rollers that are suspended on both sides with an operating weight greater than 2.5 t can also work with a track offset of 50 mm. As a result, compaction is possible close to walls, kerb edges and other boundaries.

Wasp waist for great visibility
One distinguishing feature of the HD CompactLine series is its wasp waist. It guarantees an unobstructed view of the drum edges, as well as the surroundings in front of and beside the machine. This perfect visibility results from a clever design idea: Mounting the engine longitudinally. It allows for the conical shape of the engine hood with all of its advantages.

The seat on the operator's platform can be moved sideways right up to the edge on the larger models. The drivers therefore have optimum conditions for a view of the drum edge.

Clear view of the drum edges – thanks to the wasp waist!

GREAT COMPACTION FORCE

Intelligent solutions in a compact design

Large drums
Large drum diameters ensure high compaction quality because they actively prevent the formation of beads and dents. The success of the HD CompactLine is, in part, thanks to this, since its drums are considerably larger than the comparable rollers in this class. The HD CompactLine impresses accordingly with great work results.

Leading when it comes to compaction force
The HD CompactLine also impresses when it comes to compaction force: For dynamic compaction with vibration, it achieves considerably higher centrifugal forces than other models in this market segment. In addition, all models have a high static linear load.

Measuring the compaction progress
HCM (HAMM Compaction Meter) and HTM (HAMM Temperature Meter) offer operators valuable assistance: The HCM helps to assess whether a surface needs further compaction or not. This minimises the number of double passes and prevents over-compaction. The HTM displays the current asphalt temperature on the dashboard.

3-point articulation
for even weight distribution

High quality compaction
even in small areas

Great side clearance
thanks to raised side plates

All compaction types are possible
The HD CompactLine is available with vibration and oscillation drums, and also as a combination roller with sets of wheels or pneumatic-tyre roller in the following versions:

> Tandem rollers with two vibrating roller drums (VV)
Both drums can vibrate separately. Furthermore, on some models, the speed and, therefore, the vibration frequency can be changed at the touch of a button.

> Tandem roller with one vibrating roller drum and one oscillation drum (VO)
HAMM is the only manufacturer in the world to offer oscillation drums in the compact segment. As a result, this gentle, low-noise and efficient technology can also be used on small construction sites.

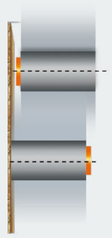
> Combination rollers (VT)
The combination rollers are equipped with a vibrating roller drum on the front axle and a set of wheels on the rear axle.

> Pneumatic-tyre rollers (TT)
Three tyres on the front axle and four tyres on the rear axle achieve complete coverage.

Quality thanks to even weight distribution
The 3-point articulation distributes the weight evenly over the front and rear drums. This contributes to outstanding directional stability, impressive stability when cornering, as well as a high level of safety against overturning. This also prevents deformation of the asphalt. The result: A high level of safety and very smooth asphalt surfaces, even in tight curves.

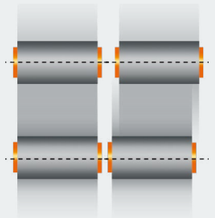
HAMM > MANOEUVRABILITY RIGHT UP TO THE EDGE

All models in the HD CompactLine can compact right up to the edge. HAMM has developed various solutions, depending on the size.



Clear Side for HD 8, HD 9 and HD 10C

For the smallest and most lightweight models in the HD CompactLine series, the drums are suspended on a single side and are offset laterally from each other. This means that no part of the machine extends beyond the working width. This allows for complete compaction right up to the edge. A steering lock, even directly at the edge, is possible at any time.



Track offset for HD 10(i)–HD 14(i)

In the HD 10(i)–HD 14(i) models, a track offset by 50 mm to the right-hand side guarantees easy handling. In particular, the compaction up to the edge, right up to boundaries and obstacles, is therefore possible.

IMPRESSIVE WATER MANAGEMENT

Well-conceived down to the last detail

Always ready

A functioning water-sprinkling system is essential for high-quality compaction. In the HD CompactLine, the water volume is set easily on the dashboard. A foot pedal can be used to activate an additional sprinkling boost.

To ensure that the nozzles on the spray bars are always ready for use, the water in the HD CompactLine is filtered three times: With a self-cleaning water filter on the fuel filler cap, a filter on the filler neck and separate filters upstream of the spray nozzles.

Quick and easy checking and draining

Checking the filters and draining the tank quickly are among the most important tasks when it comes to the water system. HAMM has practical solutions for both.

The large, self-cleaning water filter can be checked in seconds because it is located directly behind the fuel filler cap. The central water tank outlet is located at the lowest point of the machine, beneath the driver's seat. This position allows for complete draining. One single manual operation is all it takes to completely drain the water tank in the rear vehicle.

For the edge pressing and cutting device, there is a separately activated sprinkling system. It can be activated from the operator's platform via a switch.

3-fold filtering
for reliable water sprinkling

Adjustable water volume
in three levels via a button on the dashboard

Foot pedal
for fast additional sprinkling

FROM A TO B WITH EASE

Transported quickly

Rapid loading and unloading

HAMM has ensured simple loading of the rollers. Plenty of easily accessible tie-down points enable quick and secure fastening of the rollers to the transport vehicle. Unloading them on the construction site is also a breeze.

Special feature: The models with operating weights up to 3 t can be loaded using the central suspension point. This also allows them to be lowered into narrow trenches or structures for compacting there.

Folding ROPS

The ROPS bracket offers the drivers a high level of safety. The bracket with easy-to-operate folding mechanism is available as an option. This makes the roller small for transport. This helps to promote maximum possible flexibility.

Numerous safety features

The HD CompactLine series rollers offer a high level of safety. The drivers therefore intuitively find handholds wherever they need them as they enter the machine. When driving and compacting, the view of the construction site is always excellent, thanks to the machine design and lighting.

The seat belt for the driver is provided as standard. There is also an optional seat belt monitoring device. It automatically issues a warning if the seat belt has not been fastened.

For the safety of the machine and reliable operation, HAMM has also integrated a robust, lockable cover on the dashboard. It protects effectively against vandalism and damage that may prevent safe operation.

As an option, the rollers can also be equipped with a back-up alarm. It automatically warns the environment when the machine is driving backwards.

COMFORTABLE CHECK

All service points on one side

High-speed maintenance
Daily maintenance of the HD CompactLine rollers is not only simple but can also be completed very quickly. One reason for this is that all important maintenance points on the engine and hydraulic system are located on one side.

Everything within easy reach
The maintenance points are clearly identifiable under the wide-opening engine hood, and are readily accessible without the need for tools. It is therefore extremely easy to check and replace the filters, and a large filler neck guarantees convenient refilling of the hydraulic oil. Furthermore, the central electrical system is located in the steering column. This enables speedy servicing and very simple maintenance.

01 Engine hood
Opens wide, making checks effortless

02 Diesel tank
Large dimensions, easy to fill

03 Filter
Checking and replacing the engine filters and hydraulic oil filters is extremely easy

04 Water tank
Generously proportioned, easy to fill

05 Central electrical system
Easily accessible in the steering column

Ideal for rental use

The intuitive operation of HD CompactLine rollers is also important in terms of safety and economic viability. It enables safe and productive compaction right from the start. Machine rental companies, too, appreciate this advantage because HD CompactLine rollers are not only small and productive, but also exceptionally easy to handle.

Design

Since the 1980s, HAMM has considered design to be a crucial element in product development. And this has proven to be a successful move, as illustrated by the fact that HAMM has, to date, won 40 international design and innovation awards, making it the front runner in the construction industry.

OPTIONS FOR EVERY EVENTUALITY

Tailored for all applications and regions

HAMM has thought of everything. Every road construction company will find the right equipment to meet its needs in the extensive list of options.

ROPS cabin
For HD 13(i)–HD 14(i). Comfortable cabin, glazed down to floor level. Without any struts getting in the way. With heating. With radio on request.

ROPS
Available with FOPS level I protective roof (metal) or folding with or without protective roof.

HAMM Line Spreader (HLS)
Infinitely variable spreading quantity. Operation from the driver's seat. Special diffusion grille for a homogeneous spreading pattern. Two different sizes, depending on the operating weight and working width. With tarpaulin on request.

Edge pressing and cutting device
For all models of 2.5 t and above. Clearly visible. For precise delineation of the paths. With track indicator on request. Pressing rolls and cutting wheels in many sizes and diameters.

Folding scrapers
Clean the drums. Can be folded up using the foot lever. Additional protective guards guide water out of the sprinkling system to the drum.

HCM (HAMM Compaction Meter)
Determines the rigidity during dynamic compaction. Helps to assess whether the substrate needs further compaction or not. Minimises the number of double passes, prevents over-compaction.

HTM (HAMM Temperature Meter)
Measures the asphalt surface temperature and displays it on the dashboard.

Drum edge lighting
For all models of 2.5 t and above. Powerful LED lighting. Offers safety when working in the dark.

Automatic engine-off function
Automatic engine cut-off after an extended period of inactivity. Saves fuel and hence operating costs.

For HD 10(i)–HD 14(i) models: Line spreader and edge pressing and cutting device.

YOUR WIRTGEN GROUP CUSTOMER SUPPORT

Service you can always rely on.

Place your trust in our reliable and fast support during the complete life cycle of your machine. Our wide service offer includes suitable solutions to meet all of your challenges.

Service
We keep our service promises – with fast and uncomplicated assistance both on the building site and in our professional workshops. Our Service team has received expert training. Thanks to special tools, repair, care and maintenance work is completed quickly. Upon request, we can support you with tailored service agreements.
> www.wirtgen-group.com/service

Spare parts
Original parts and accessories from WIRTGEN GROUP can ensure the high reliability and availability of your machines in the long term. Our experts will be glad to advise you on application-optimised wear part solutions. Our parts are available worldwide, at any time and are easy to order.
> parts.wirtgen-group.com

Training
Staff responsible for the WIRTGEN GROUP's product brands are specialists in their areas and have decades of application experience. Our customers also greatly benefit from these experts. In our WIRTGEN GROUP training courses, we gladly pass on our knowledge to operators and service personnel.
> www.wirtgen-group.com/training

Telematics solutions
Construction machines with leading technology and perfected telematics solutions work hand-in-hand in the WIRTGEN GROUP. The Operations Center* – the digital platform for process, machine and service optimisation – enables you to not only simplify maintenance planning for your machines, but also to increase your productivity and cost-effectiveness.
> www.wirtgen-group.com/telematics

* The John Deere Operations Center™ (formerly WITOS) is currently not available in all countries. Please consult your responsible subsidiary or dealer if you have any questions.

TECHNICAL SPECIFICATIONS OVERVIEW

HD COMPACTLINE SERIES TANDEM AND COMBINATION ROLLERS

Basic data					Drums / variants		
Machine type	Weight class (t)	Drum width (mm)	Engine power (kW)	Max. working width (mm)	VV	VO	VT
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard							
HD 8	1.5	800	16.1	856	•		
HD 9	1.5	900	16.1	1000	•		•
HD 10C	1.5	1000	16.1	1064	•		•
Machines in accordance with the EPA Tier 3 exhaust emission standard							
HD 10	2.5	1000	22.9	1050	•	•	•
HD 12	2.5	1200	22.9	1250	•	•	•
HD 13	4.0	1300	34.6	1350	•	•	•
HD 14	4.5	1380	34.6	1430	•	•	•
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard							
HD 10	2.5	1000	18.5	1050	•	•	•
HD 10i	2.5	1000	24	1050	•	•	•
HD 12	2.5	1200	18.5	1250	•	•	•
HD 12i	2.5	1200	24	1250	•	•	•
HD 13i	4.0	1300	37.4	1350	•	•	•
HD 14i	4.5	1380	37.4	1430	•	•	•

HD COMPACTLINE SERIES PNEUMATIC-TYRE ROLLERS

Basic data				
Machine type	Weight class (t)	Width over tyres (mm)	Engine power (kW)	Wheel load (t)
Machines in accordance with the EPA Tier 3 exhaust emission standard				
HD 14 TT	4	1127 / 1276	34.6	0.5
Machines in accordance with the EPA Tier 4 / EU Stage V exhaust emission standard				
HD 14i TT	4	1127 / 1276	37.4	0.5

VV Vibration at front – vibration at rear
VO Vibration at front – oscillation at rear
VT Vibration at front – set of wheels at rear
TT Pneumatic-tyre roller

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