



(E)

# DV SERIES

# THINK FORWARD





**red dot**  
PRODUCT DESIGN  
AWARD WINNER



# DV

## An entirely new driving and operating concept

„Think forward“ is the motto of our DV family of rollers.

Three machines - each a champion in its weight class. One feature that they all have in common is HI-DRIVE - an intelligent driving and operating concept that once again shows HAMM leading the way in the construction of modern compaction machines.

## Increased safety, economy and quality

The DV range of tandem rollers with fifth-wheel-type all-drum steering combines numerous innovations with proven technology such as Hammtronic, and is precisely tuned to the needs of the driver. As a result, these tandem rollers provide increased compacting power per unit area together with greater safety and exceptionally economical operation – whilst of course ensuring maximum quality.

## Hammtronic for more effective and economical compacting

The Hammtronic electronic machine management system monitors all important engine and vehicle functions, thereby enabling optimal compacting results to be obtained without sacrificing economical operation. Maximum productivity, quality and service life are achieved.



# HAMMTRONIC



## Comfortable driver's seat with integrated joystick and display

The driver's seat with its two comfortable armrests is also the operator control centre. Consequently, all the important controls for compacting or for adjusting the working position, e.g. seat rotation and cab lateral offset, are located directly on the seat in easily accessible and clearly ar-

ranged positions. Due to the use of unambiguous pictogram symbols, the function of each switch is easy to understand. The display and joystick are also deliberately separated from each other, in order to maintain a free view over the drum.

## Spectacular free view

The desire for a genuinely free view over the drums prompted the engineers at Hamm to pioneer new concepts in chassis design. The result is a machine frame that is entirely free of structural elements in the area between the driver's cab and the drums. Consequently, for the first time, the driver can keep a constant eye on water sprinkling and also immediately verify the result of compacting. Both of these features enhance the quality of compaction.



Free view  
over the drums

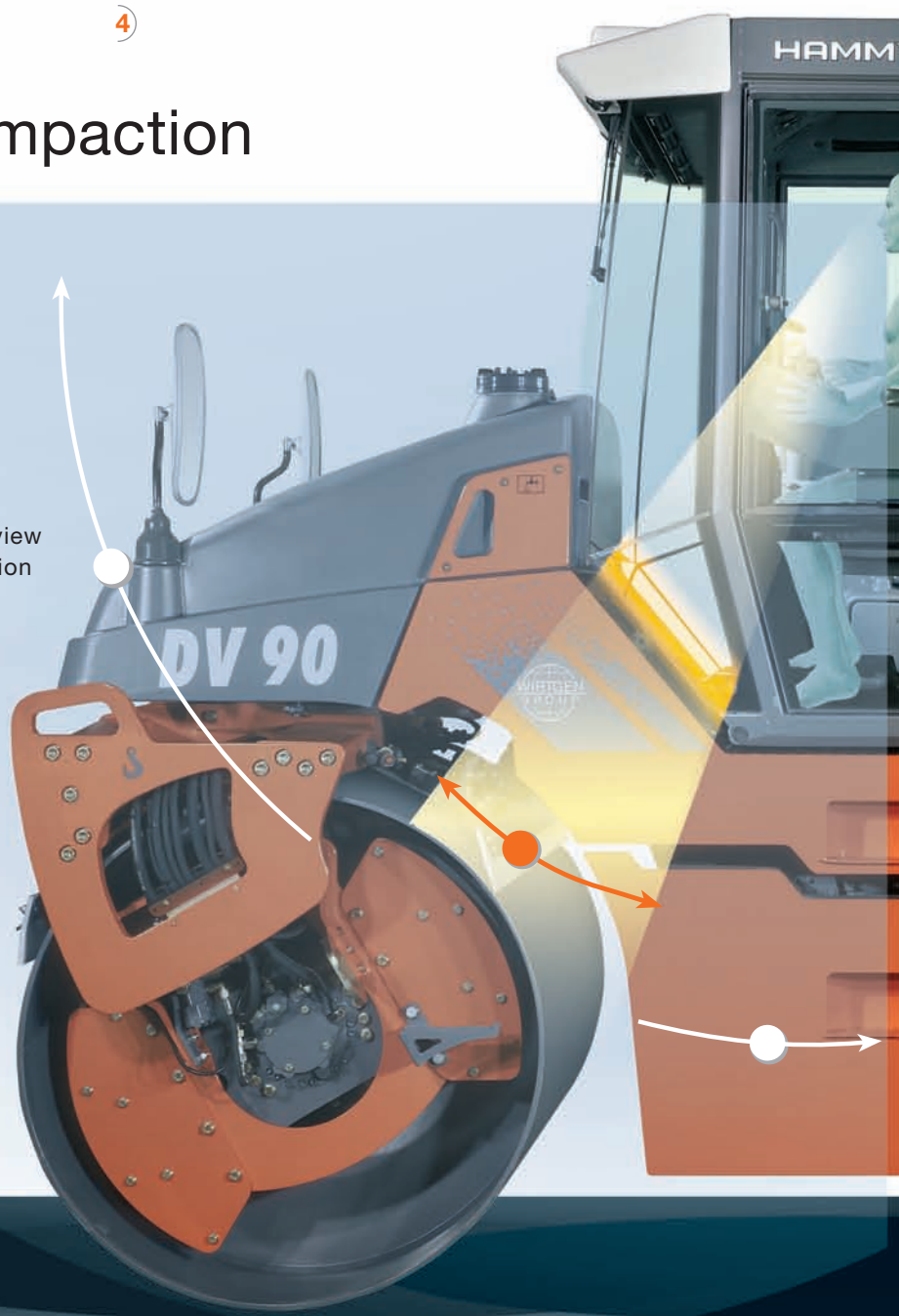
# Perfect outlook for optimal compaction

The rollers of the new DV series have the advantage of a unique free view concept. In other words, the driver always has a clear view of the construction site and in particular an unobstructed view directly over the drums - both day and night.

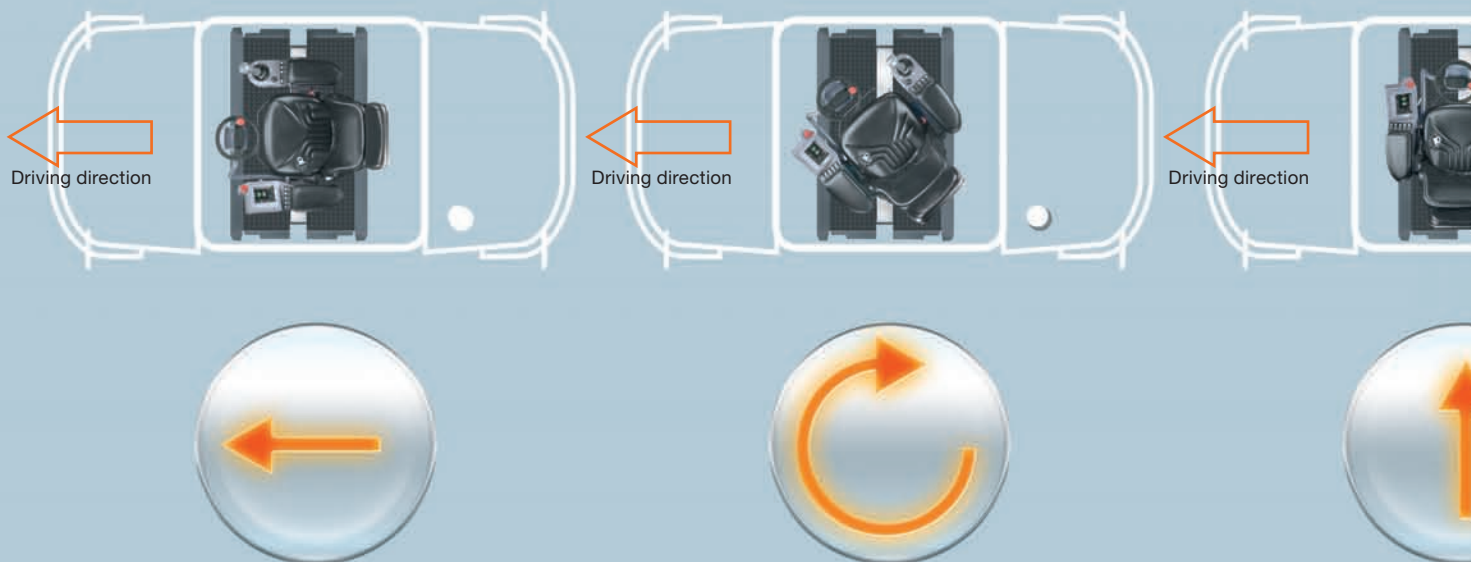
This fundamentally new machine design with its unique open chassis and generously dimensioned panoramic cab provides dreamlike conditions for comfortable and efficient working.

Wide all-round view of the construction site

Free view over the drums



Electrically adjusted infinitely variable sliding and rotating driver's seat



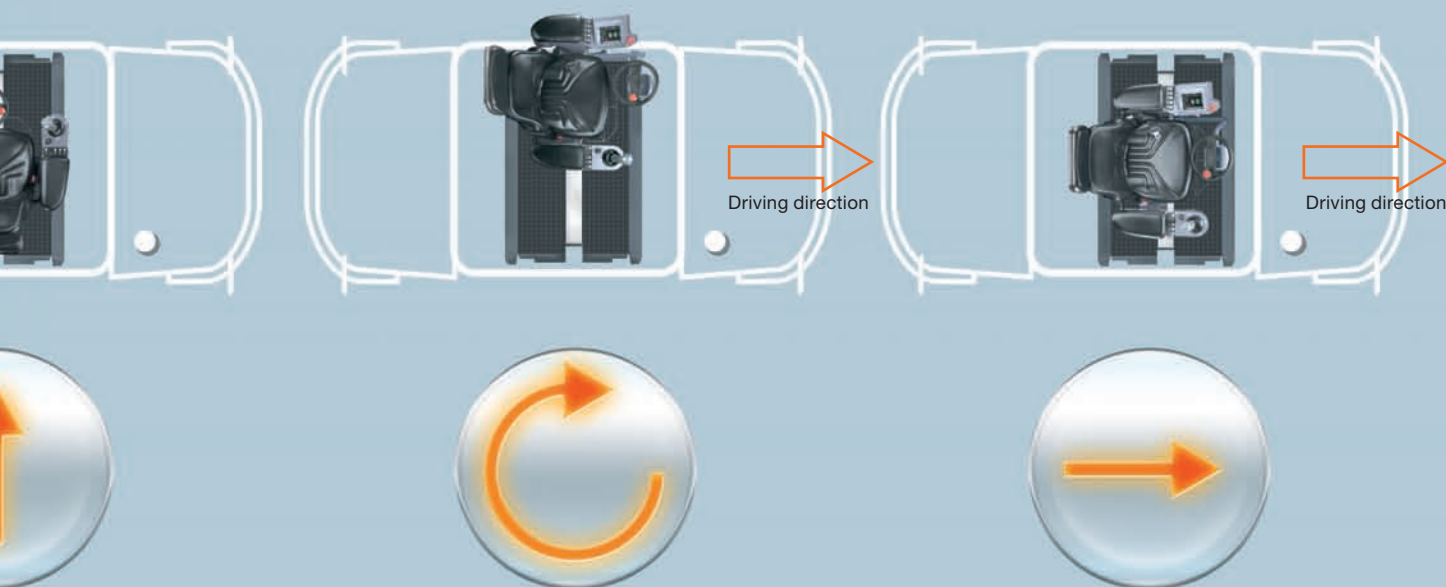


## Unique night-time illumination

16 headlamps illuminate the entire work area. This unique concept provides dazzle-free visibility conditions, as in daytime

## Electrically adjusted infinitely variable sliding and rotating driver's seat

During compacting operations, inside the high-comfort cab, the driver can at any time freely rotate the infinitely variable driver's seat through more than 360° at the touch of a button. Since the seat can always be swivelled to the desired position, any discomfort is avoided in all driving situations, in particular when reversing. This system preserves health and is comfortable and safe.



# HI-DRIVE<sup>6</sup>



## 2 equipment variants

- Joystick HI-DRIVE with steering and ground drive function + i-dot (mini steering wheel) for precise steering manoeuvres
- Joystick HI-DRIVE with ground drive function (drive lever) + steering wheel for direction control (the steering wheel can be folded out of the way when climbing in and out of the cab)

### Easy handling thanks to HI-DRIVE

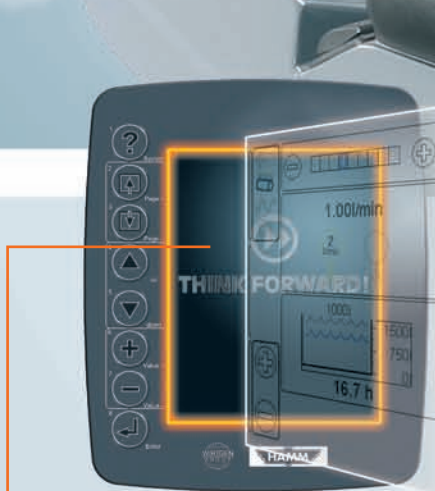
To change direction, the driver simply moves the joystick in the desired new direction, and the intelligent HI-DRIVE system does the rest.

The direction of travel, and therefore the steering control direction, is now always crystal clear to the operator.



## SINGLE-handed driver operation

A key component of our new HI-DRIVE operating control concept is the intelligent multi-function joystick that makes driving the machine a real pleasure. The unique feature of this system is that its control direction always automatically corresponds to the direction of travel of the roller - irrespective of the seat position. For the machine driver, this innovative design provides a convenient support that also decisively improves safety. Even when the seat is rotated, the movement of the drive lever continues to correspond to the direction of driving of the machine.

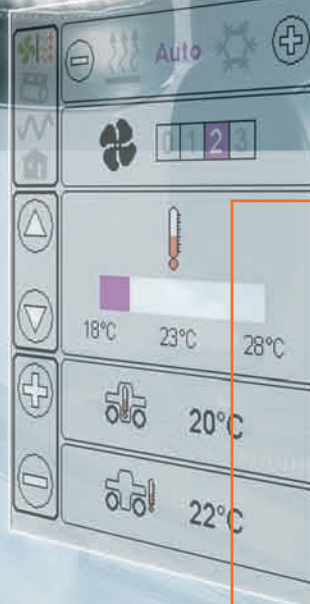


### Clearly arranged and easy-to-use display at the driver's seat

A display is mounted directly on the driver's seat of the DV tandem rollers. The screen, which is clearly lit by both day and night, shows the driver at all times all the relevant operating states and settings of the machine.

The screen displays and operating controls are very clearly arranged and easy to follow.

The input menus are simple to use, and all the compaction parameters, such as frequency selection, water feed rate for water sprinkling and maximum drive speed, can be rapidly set.



### An absolute first – independent frequency and amplitude control for each drum

The frequency and amplitude of vibration can now be set for each drum individually.

This feature enhances flexibility, increases performance and is unique to HAMM.



### Everything under control with just 4 buttons



## Side views

### Electrically adjustable lateral position of the high-comfort cab

Since the lateral position of the high-comfort cab can be electrically adjusted to the left or right, the driver can carry out even the most awkward of precision operations with the DV roller whilst remaining comfortably seated. And of course this feature also enhances the monitoring of the compaction result

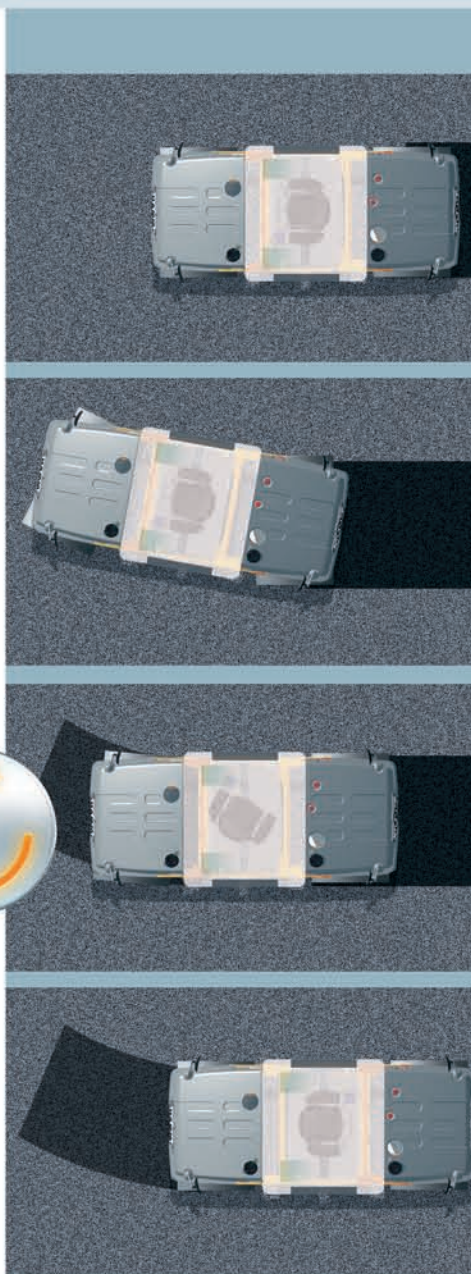


This lateral cab adjustment facility is part of our unique free view concept. The panoramic cab can travel up to 30 cm beyond the machine frame on either side. This feature gives drivers entirely new perspectives over their work area.

For the first time, despite being enclosed in the cab, the driver has a clear view of the edge of the drums and the edge of the kerb. With these practical aids, the driver can now really enjoy using the other benefits of the comfortable workspace, such as the air conditioning.

### Practical and safe reversing on the construction site.

**THINK FORWARD!**  
We are always thinking forward and driving ahead.



The DV tandem roller drives right up to an asphalt paver...

...while gradually braking in front of the paver, the driver gently steers into position. This prevents any indenting of the asphalt surface.

When turning the machine round, the driver's seat is automatically swivelled to face the opposite direction, and the machine slowly starts up again.

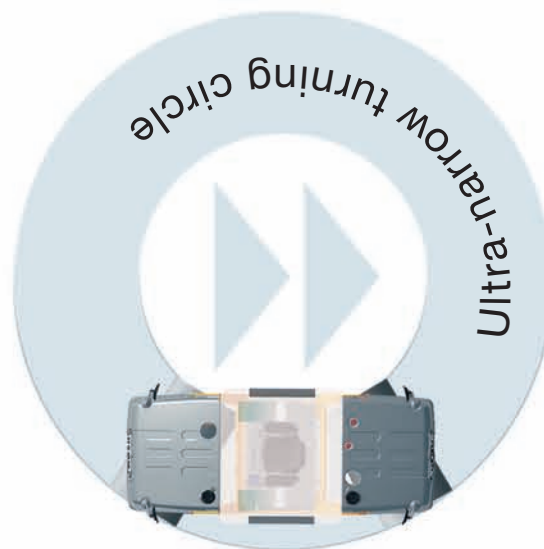
The drum that is now at the rear automatically returns to the 0 position, and the machine accelerates back up to operating speed.

# There is no going back!

Until now, compactor drivers would drive forwards for half the time and in reverse for the other half. With us, "reverse" no longer exists!

Thanks to our newly developed, innovative HI-DRIVE operating and driving concept, the driver of the DV roller is always facing forward - irrespective of the direction in which the machine is driving.

This feature considerably improves safety on the construction site. The driver's workload is lessened, whilst area coverage is increased and the compaction result is optimised.



Exceptional working width and comfortable seating position in crabbed steering mode



Maximum crabwise position

In addition to the exceptionally wide offset of the two drums, the new tandem roller has an extra benefit: The infinitely variable electrically swivelled driver's seat enables the driver to adjust the seating position to face the direction of driving even in crabbed steering mode.

# THINK FORWARD!



## Big hatch, with a lot behind it

Rapid and simple maintenance thanks to easily accessible engines. The engine block can also be lowered.



## Diesel consumption



reduced by  
**approx. 30%**

## HAMMTRONIC

The Hammtronic engine management system ensures, among other things, that the diesel engine always operates at the optimal speed for every load. This preserves the engine and ensures low diesel consumption and particularly low noise. Moreover, water sprinkling, vibration/oscillation and ground drive are optimally controlled.

## Extremely quiet machine

Low fuel consumption and low noise level thanks to Hammtronic



# DV

## Increased safety through optimal all-round view

Water sprinkling with double spray bars that are individually adjustable in multiple steps, combined with two pumps for economical and efficient operation.



# DV 40 65 70 85 90

Think Forward!



## Equipment

### Alle Typen

- Großraum-Panoramakabine mit Freisichtkonzept und freiem Blick auf die Bandagen
- Lenkrad mit grafischem Anzeige- und Kontrolldisplay, Joystick für Vor und Zurück
- Elektronisches Maschinenmanagement Hammtronic
- Beidseitig große Wartungstüren und Motorabsenkung

### DV 70/90

- Kabine seitlich nach beiden Seiten verschiebbar
- Elektrisch verschiebbarer und um mehr als 360° drehbarer Komfortsitz
- Automatische Sitzreversierung in Fahrrichtung
- Individuelle Frequenz und Amplitude für vordere und hintere Bandage
- Doppelte Wasserberieselung mit 2 Pumpen und 4 Sprühbalken

### DV 65/85

- Manuell verschiebbarer und +/-60° drehbarer Komfortsitz
- Fahrhebel zeigt immer in Sitzrichtung
- Individuelle Frequenz und Amplitude für vordere und hintere Bandage
- Doppelte Wasserberieselung mit 2 Pumpen und 4 Sprühbalken

### DV 40

- Manuell verschiebbarer und bis zu 60° drehbarer Komfortsitz
- Wasser-Druckberieselung mit 1 Pumpe und 2 Sprühbalken

## Models

### DV 70/90

Bei der DV 70 und DV 90, unserer Walzen der 7 bzw. 9 t Klasse, kommt der HI-DRIVE, das revolutionäre Bedien- und Fahrkonzept, voll zum Tragen. Der elektrisch verschiebbare und um mehr als 360° frei drehbare Fahrersitz, die seitlich verschiebbare Panoramakabine mit hervorragender Rundumsicht, ein großzügiger, freier Blick auf die Bandagen sowie die innovative Joystick-Bedienung bieten dem Fahrer traumhafte Arbeitsbedingungen.

### DV 65/85

Die DV 65 und DV 85 bieten die gleichen hervorragenden Eigenschaften wie die DV 70 und DV 90. Allerdings verzichtete man hier auf die elektronische Sitzverstellung, die Möglichkeit der 360°-Drehung und auf die elektronische Kabinenverschiebung. Der Fahrhebel arbeitet ohne das HI-DRIVE und zeigt nur in die Sitzrichtung. Speziell die DV 90 kommt immer dort zum Einsatz, wo es gilt, große Flächen zu verdichten.

### DV 40

Die DV 40 ist die einzige schemelgelenkte Tandemwalze in der 4 t Klasse. Sie ist die kleinste unserer DV-Reihe, aber ganz groß, wenn es um Leistung geht. Sie überzeugt unter anderem durch einen besonders großen Bandagenversatz im Hundegang. Sie ist prädestiniert für kleine und große Aufgaben auf allen Baustellen und bürgt mit der hohen Flächenleistung für eine kostengünstige Verdichtung.

Technische Änderungen + Ausstattung vorbehalten





# THINK FORWARD!



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