

Atlas Copco

***DYNAPAC
LARGE
WHEELED
PAVER RANGE***

Dynapac SD2500W / SD2500WS



Atlas Copco

ATLAS COPCO'S DYNAPAC SD WHEELED PAVER range contains two powerful versions that offer high-end features and the flexibility to suit all variations in jobsite conditions. Key features are agility, power and intelligence, and they're designed to meet and surpass your needs in terms of precision, efficiency and ergonomics. Our new machines offer compact design and superior maneuverability, together with a new drive concept and the power to lay up to 9 m working widths.

EXCELLENT PAVING QUALITY

QUALITY

To achieve the best paving quality you need to rely on a high-performance screed, smooth material flow and an efficient, powerful drive.

The paving quality is measured in compaction, evenness and profile - the Dynapac SD paver range will offer you the quality to achieve your paving goals!

INTELLIGENCE

Our intelligent control system provides you with excellent monitoring of the complete paving process, to ensure an optimized workflow.

The New PaveManager 2.0 offers advanced features such as paving parameter, paving memory function and automatic crown and slope settings.

*Strong words for a strong paver!
The Dynapac SD generation stands for:
ideal material flow, optimal ergonomics,
sustainable drive concept and excellent
paving quality!*



	SD2500W	SD2500WS
Eng. power at 2,200 min ⁻¹	129 kW	129 kW
Theor. paving capacity	700 t/h	750 t/h
Max. working width	7.50 m	9.00 m

OPTIMUM CAPACITY



ADDTRAXXION

We have redefined traction for wheeled pavers with an innovation that hydraulically optimises the traction of the front wheels, taking into account the load on the hopper, for optimum results. We call it "AddTraxxion". Combined with the electronically controlled rear wheel drive, "AddTraxxion" ensures optimum traction through the perfect combination of precision and power.

DRIVE IN FOCUS

The new SD range gives an outstanding driving experience, due to a well-balanced undercarriage, wide tires and a pendulum front axle bogie, which ensures ground contact at all times. The machine has a wide wheel base, low centre of gravity and the ability to turn tight corners. The new hydrostatic, wear-free brake system offers maximum deceleration for increased safety.

SPEED

The optimized direct rear drive with electronically controlled pumps is precise and easy to adjust. Variable pumps save fuel and reduce noise. The SD 2500W is a 4-wheel drive version and the WS version has 6-wheel drive. The powerful drive gives you a high transport speed – from standstill to top speed in just a few seconds – making it easy to follow the traffic flow.

PROFILE

Our wheeled machines are equipped with high performance tyres specially selected for paving applications. A tyre size of 445 / 80R25 gives excellent ground contact and outstanding traction. They offer cross stability and excellent power transmission.

SMOOTH





MATERIAL FLOW

Dynapac has optimised the hopper for outstanding material transfer. It's longer (1953mm) and has a very low dump height for fast and easy material transfer from lorries. Separately controlled hopper wings with generous solid rubber flaps ensure quick and easy handling of material. Chamfered hopper corners prevent cold material being left in the hopper.

The conveyor tunnel has been redesigned for an optimal flow and minimal segregation. A reversible twin conveyor system, 2 x 580 mm wide, offers smooth transfer. To ensure a flawless material flow, we offer a robust paddle sensors system for proportional control.

The new optional hopper front flap reduces material spillage on the push rollers and on the road. It also helps to completely empty the hopper and reduces the need for manual work. The Dynapac SD wheeled pavers offer the shock absorber system – a lence tube damper that converts the shock energy partly into thermal energy.

WORK FLOW

POWERFUL AUGER SYSTEM

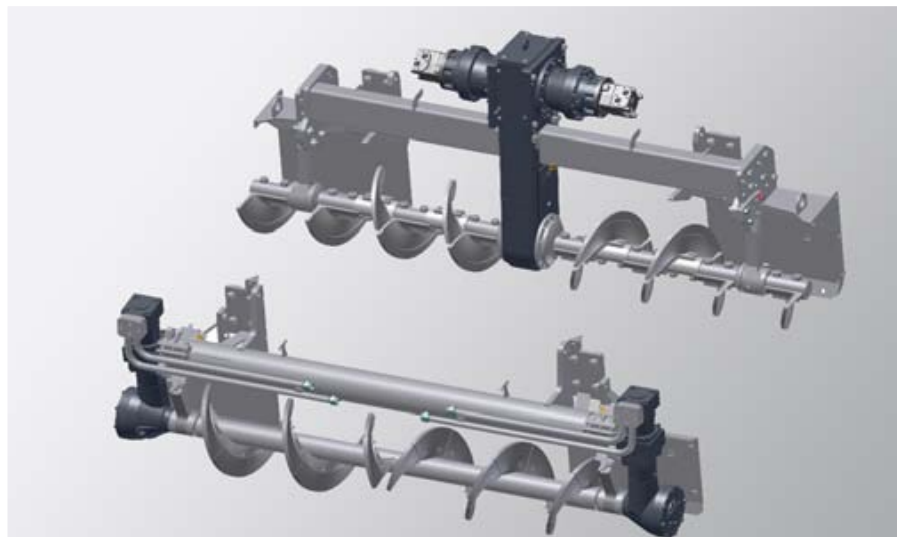
The left and right augers are independently driven and provide continuously variable control, even in reverse mode. The robust auger system has improved torque to provide a perfect paving result at all working widths. The auger height can be adjusted hydraulically and steplessly up to 250mm while paving!

INNER AUGER DRIVE

The new auger drive is an improved central drive system. It features a slim gearbox (15 cm wide) and small outer bearings that allow homogeneity of mixture, despite the high material throughput of up to 750 tons per hour!

OUTSIDE AUGER DRIVE

This unique auger drive system gives an excellent view of the auger compartment and the conveyor tunnel. The clever drive solution offers low material segregation for a perfect paving result.



ERGONOMIC WORKING PLACE



EXCELLENT VISIBILITY

Atlas Copco has developed a new platform for the Dynapac SD paver to suit all needs from the operator's perspective. The sitting position is now higher and the seat can be adjusted to achieve the best working position.

We have also changed the position of the A-pillars to improve visibility to the front. The platform slides out up to 50 cm on both sides just by pressing a button on the dashboard.

MEETING



OPERATOR'S COMFORT

The operator's comfort is our priority. We focus on providing an ergonomic high end work place. The platform offers generous head room and a flat floor with large storage space. The storage boxes are now bigger and have been moved into the floor on the platform to improve rear view. The new roof offers 2 integrated working lights to the front and to the rear. The ergonomic seats, also available with seat-heating, can be adjusted to any position you need. Placing the dashboard

has become even easier due to the improved dashboard console. The Dynapac SD paver generation also offers a weather house with opening side and front windows for comfortable operation in all weather conditions. To improve the working environment and reduce the emissions level within the operators platform, there is an optional fume extraction system available on request.



*Full overview at all times!
The operator has full view into the hopper, conveyor
and auger compartment as well as eye contact with
screed operators and truck drivers.*

YOUR NEEDS



MAINTENANCE WITHOUT OBSTACLES

We have cleared the way to provide you with an easy overview of maintenance. Hydraulic pumps, fuel caps, chain clamping device – each component is directly accessible and easy to find. A simple visual inspection of filters and engine parts allows you to quickly get started. It is a convenient combination you'll profit from every day.

RAPID ACCESS THROUGHOUT

The goal is to save you time and money through easy access. Therefore we've made the service points central and attainable. The fuse box is easy to access from the cabin platform allowing rapid replacement. The sheer number of plug-and-play components also speeds up the maintenance process.

FEATURES & BENEFITS

INTERGATED WORKING LIGHTS

Atlas Copco offers all lighting systems for night work: halogen, LED, lighting balloons; auger & engine compartment lights as well as side lights for wider working widths.

VARIO SPEED

Load sensing hydraulic system to reduce fuel consumption.

LOW NOISE

Reduced noise level through a new drive concept and noise insulation.

SMOOTH FLOW

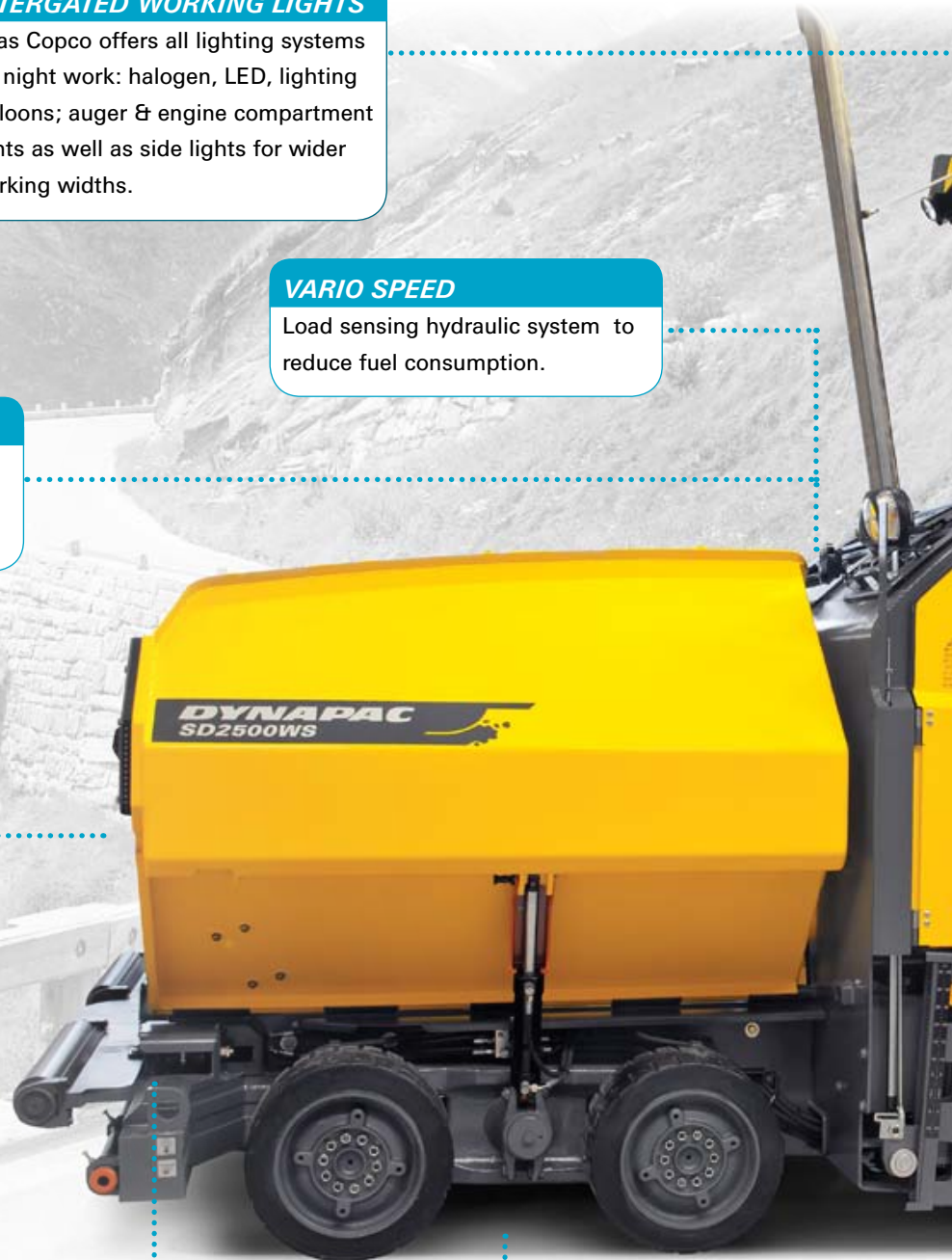
Unmatched capacity and minimized segregation through a perfectly balanced conveying system.

SHOCKABSORB SYSTEM

Pendulum Push Rollers with lence tube thermal shock absorb system.

AddTraxxion

The load sensing system AddTraxxion controls the front wheel drive automatically depending on the current load and required power.





ERGONOMICS

Excellent view to the hopper and all working areas due to the higher seat position and newly designed platform. Optional weather house with opening windows is available.

PAVEMANAGER

Intellegent control of the paving process for better quality.

DYNAPAC SCREED

Best in business with integrated leveling functions for excellent quality. The Flexilever offers fast and convenient change of screed angle for different layers of thicknesses.

SAFE TRANSPORT

Hydraulically operated locking cylinders for the leveling arms. Safe and easy!

STRONG AUGER

Our strong auger system has an improved torque to provide a perfect paving result at all working widths. Offered with inner and outer drive. The auger height can be adjusted hydraulically and steplessly up to 250 mm – while paving!

HIGH PERFORMANCE SCREEDS



There's no need for supporting rods for the screed, which makes the assembly quick and easy to handle on site.

4-TUBE PRINCIPLE

Dynapac's screed is the most appreciated screed in the market, worldwide! The screed is extremely stable. Our patented four-guiding tube principle is responsible for the so far unmatched screed stability. We don't need any supporting rods for the screed, which makes all Dynapac screeds easy to assemble on site— a must for efficient jobsite management.

ELECTRIC OR GAS – YOUR CHOICE!

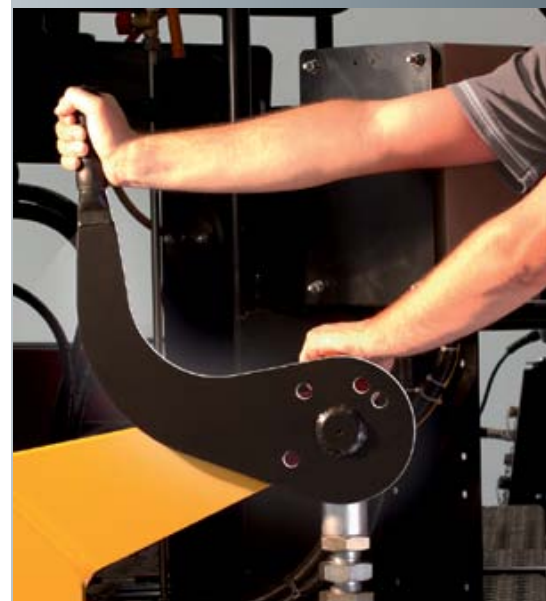
Our new optimized electrical heating system features improved insulation and a stronger generator that has significantly reduced heat-up time. The generator is driven by a flexible shaft from the gear box that offers great reliability and reduced maintenance. We are able to achieve even heat distribution with new heating coils for bottom plates and tampers.

Opting for our gas heating system gives a remarkably shorter heat-up time. Amazing pavement quality from the first stretch of track! Dynapac supports sustainable gas heating systems to reduce energy consumption as well as CO₂ emissions.



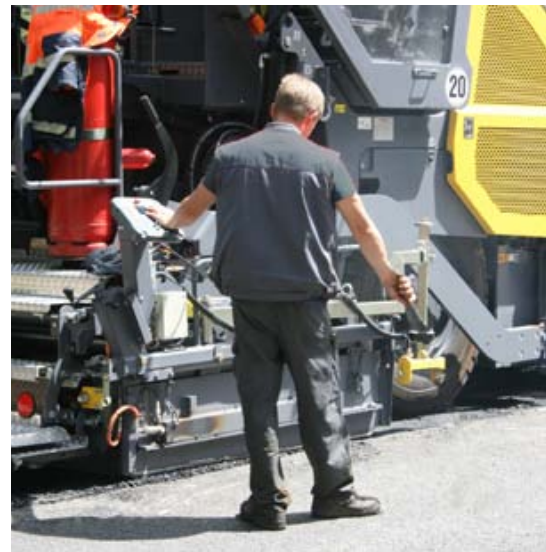
ECENTRIC FLEXI LEVER

Dynapac's unique Flexi Lever quickly and conveniently changes the angle of attack. This offers a visual control of screed settings to adopt various layer thicknesses during the paving process. The adjustment is made via a simple lever.



ERGONOMIC SIDE SHIELD CONTROL

The height and the angle of the side shield are adjustable with only one crank. The crank is placed on top of the side shield below the remote control, creating an ergonomic and central workplace for the screed operator.



ERGONOMIC WORK PLACE

In addition to effective compaction the Dynapac screed offers great accessibility. The low height gives you a superior view into the auger compartment and constant control over material flow. This low profile screed provides a central, safe and ergonomic workplace.

VARIO SCREEDS

HIGH COMPACTION SCREEDS

	V5100TV / TVE	V6000TV / TVE	V5100TVH	V6000TVH
Basic width	2.55 m	3.00 m	2.55 m	3.00 m
Hydraulically extendable to	5.10 m	6.00 m	5.10 m	6.00 m
Heating system	LPG/ Electric	LPG/ Electric	Electric	Electric

Maximum working width (with extension parts)

SD2500W	7.30 m	7.50 m	-	-
SD2500WS	8.10 m	9.00 m	6.60 m	7.50 m

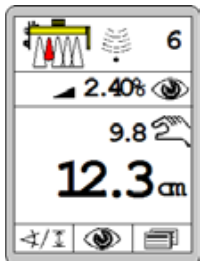
INTELLIGENT MANAGEMENT

PAVE MANAGER 2.0

The SD pavers now feature the new Pave Manager 2.0 control system that offers an unmatched experience in paving control for all application situations from highway to city paving. This system ensures optimized paving performance again and again.

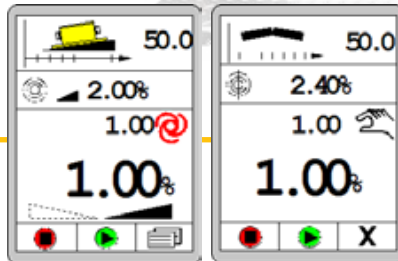
Our high end integrated control system is intelligent and directly connected through a CAN BUS system. This assures fast and reliable communication. Many regulations and adjustments made at the remote control can also be made from the dashboard and vice versa.

The remote control recognizes all leveling equipment from MOBA. They are self-configuring, meaning that you can use each one on either side. Both dashboard and remote controls offer color display and intuitive self-explanatory menus and functions. Symbols and pictures make handling even easier.



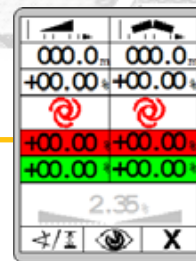
REMOTE CONTROL

This new soft wear offers individual configuration. You can set the parameters shown to your current needs in your main view.



AUTOMATIC PROGRAMMING

Automatic programming of slope and / or crowning for the paving distance.



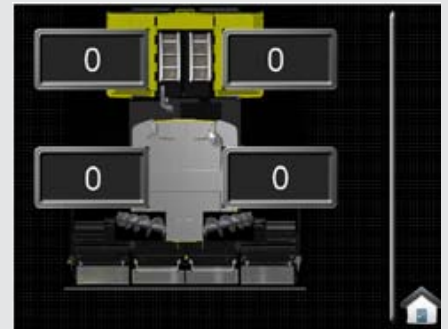
MULTIFUNCTION

Allows you to track two parameters in one screen. The function can also be used as a crossover function where one screed operator can monitor and control both screed sides from one remote control.



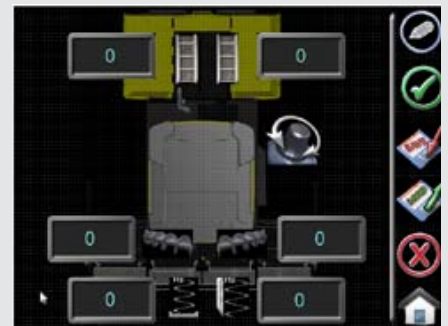
MAIN VIEW

Full control in one shot. The main view gives you an overview of the complete paving process. All essential parameters in one glance. Monitoring the position of the leveling cylinder, material level on the conveyors, screed temperature, paving speed and fuel indication. Also featuring shortcuts to other menus.



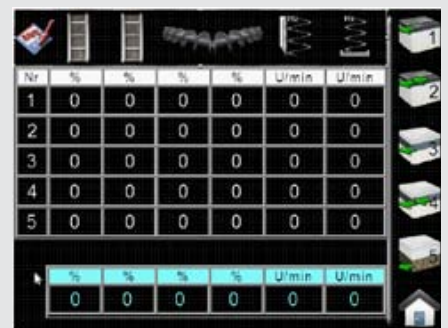
MATERIAL FLOW - CURRENT VALUE

Overview of actual material flow parameters.



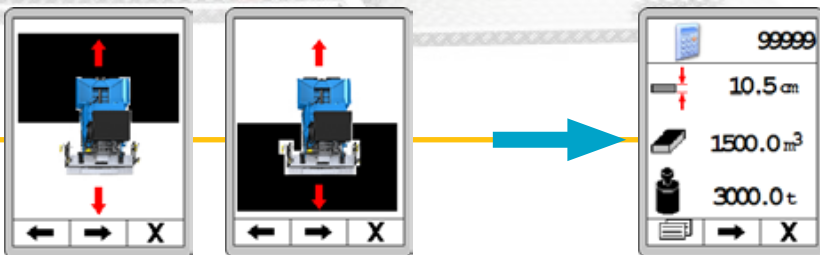
MATERIAL FLOW - SETTING

Following the actual parameters view, you can go into settings for material flow. From there, you can save your values with the memory function.



MEMORY FUNCTION

The memory function allows you to save five paving situations: two wear courses, two binder courses and one base course. This saves time and ensures good paving results.



MATERIAL CALCULATOR

Dynamic Calculator. This function calculates material paved and material to be paved. You simply name your job ahead of time and the program calculates how much material will be needed. It also gives you the current status during the paving process.

SUSTAINABLE DRIVE CONCEPT



VARIOSPEED

Optimal rpm at all times! VarioSpeed is a Dynapac patented drive concept that recognizes the required rpm for the specific working situation. A computer senses and controls the needed rpm, infinitely! This is an option that will save you money. It can save up to 15% on energy costs. Fuel consumption is going down and the life of your engine is going up!

This is an optional feature and SD Pavers can be upgraded to VarioSpeed at any time.

ECOMODE

Dynapac EcoMode is unique through its step-less operation. According to the jobsite you can adjust the engine rpm to the particular situation. Instead of having a fixed level of rpm, in the eco-function you individually set the level for the particular working situation. This function gives you lower fuel consumption, less noise and a longer life for your engine.

CONSTRUCTION TECHNIQUE SERVICE



ANYTIME, ANY PRODUCT, ANYWHERE YOU CAN COUNT ON US

Servicing your machines regularly is very important to ensure reliable operation and a long service-life. With pro-active service and preventive maintenance you minimize the risk of high production costs and breakdowns. You can select a service contract that meets your requirement for professional service in order to get the most out of your machine investment.

ALL-IN-ONE BOX KITS

An all-in-one box, tailored to match your equipment. The parts you need, when you need them! An all-in-one box contains all the parts required as part of the equipment's scheduled maintenance program. When installed by an Atlas Copco certified technician, you keep your downtime to a minimum and your equipment in top condition its entire life.

Easy to obtain and attractively priced, the most effective solution to keep your maintenance budget low.

Find a suitable kit at dynapac.com/kitselector

WHAT'S INCLUDED?

Maintenance contract

- Preventive maintenance
- Fluids
- Machine inspection

Care

- Preventive maintenance
- Fluids
- Machine inspection/Inspection protocols
- Extended warranty (also available as a separate product)

FLUIDS

- The right fluid optimizes machine performance
- Simplified selection process, less time spent on finding the right oil
- Delivery in a handy container, no need for transfer from an oil drum
- All-in-one delivery, less time spent on waiting and dealing with different suppliers
- One invoice, less administration

Find a suitable fluid at dynapac.com/fluidselector

BENEFITS

- Reduced costs
- Cost known upfront
- Extended warranty (Care)
- Professional and regular machine inspections
- Planned maintenance
- Increased resale value

Please contact your sales rep for more information.

TECHNICAL DATA DYNAPAC LARGE WHEELED PAVERS

	SD2500W	SD2500WS
Weight, t (incl. screed V5100)	18	18
Basic width, m	2.55	2.55
Working width, max	7,5	9
Working width, min (w/reduction shoe), m	2	2
Placement thickness (max)	-100 to +300	-100 to +300
Capacity, t/h	700	750
Dumping height center (w. hopper flap), mm	574 (580)	574 (580)
Hopper width, internal, mm	3142	3142
Paving speed, m/min	1 - 30	1 - 30
Transport speed, km/h	0 - 20	0 - 20
Operator console	Slidable left/right	
Dashboard	Ergonomic dashboard with 6.5" color display	
Platform	Slidable platform (500 mm left and right)	
Engine model	Cummins QSB 6.7 -C173	Cummins QSB 6.7 -C173
Rated power KW @ 2200 rpm	129	129
Emissions (T4i)	According to Stage IIIA (T3) & Stage IIIB	
Electrical system, V	24	24
Fuel tank capacity, l	315	315
Wheel base, mm	2241	2241
Front wheel drive	2	4
Final drive	Hydrostatic direct drives comprising planetary gear units and hydraulic motors	
Conveyor type	Dual bar feeder	Dual bar feeder
Conveyor width, mm	2 x 580	2 x 580
Conveyor control	Automatic with limit switches	
Auger diameter, mm	380	380
Auger control	Automatic with ultrasonic sensors	
Auger height adjustment, mm	250	250
SCREED OPTIONS		
Vario screed V5100TV/TVE & V6000TV/TVE	YES	YES
High compaction V5100TVH & V6000TVH	NO	YES

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time.

This is what we call - Sustainable Productivity.

Dynapac GmbH

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