



- Dynapac Pave Manager 2 Advanced Software Package
- Theoretical paving capacity up to 800 t/h
- 149 kW 6-cylinder Cummins engine (Tier 3/ China Stage IV / EU Stage V)
- Maximum paving width of 9.7m
- Screed independent maximum spray width up to 7.0m
- Emulsion tank of 2.100L
- Spray Rates between 0.2 kg/m² and 1.6 kg/m²
- Compatible with V-Series Tamper-Vibration & High Compaction Screeds

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TECHNICAL DATA



MASSES

Weight (incl. standard screed) 23.30 t

DIMENSIONS

Basic Tractor Width 2.55 m
 Transport Length 7.53 m
 Front Ramp Angle 14°

WORKING WIDTH

Minimum Paving Width 2.55 m
 Maximum Paving Width 9.70 m
 Basic Paving Width (retracted) 2.55m (V5100)
 3.00m (V6000)
 Basic Paving Width (extended) 5.10 m (V5100)
 6.00m (V6000)

SPRAY SYSTEM

Emulsion Tank Capacity 2.100L
 Number of Spray Bars 3
 Number of Nozzles 25 or 27
 Filling Interface 2" thread – G 2-11-A
 Maximum Spray Width 6.50m or 7.00m
 Spray Rate 0.2 – 1.6kg/m²

CAPACITY

Maximum paving thickness 310 mm
 Theoretical paving capacity 800 t/h

HOPPER

Hopper Volume 6 m³ / 12 t
 Dumping Height (center/outside) 555 mm/560 mm
 Internal Hopper Width 3290 mm

CONVEYOR

Conveyor Type Dual conveyor, reversible
 Conveyor Control Proportional with paddle sensors
 Conveyor Width 2 x 655 mm

ENGINE

Manufacturer / Model (Stage V & CS IV) Cummins QSB 6.7-C200
 Manufacturer / Model (Tier 3) Cummins QSB 6.7-C190
 Emissions according to Stage V / China Stage IV / Tier 3
 Rated Power (Stage V & China Stage IV) 149 kW @ 2200 rpm
 Rated Power (Tier 3) 142 kW @ 2200 rpm
 Peak Power 157 kW
 Electrical System 24 V
 DEF tank capacity (Stage V & China Stage IV) 37 l
 Fuel capacity (Stage V & China Stage IV) 362 l
 Fuel tank capacity (Tier 3) 337 l
 Average fuel consumption 9.45 l/h
 After treatment (Stage V & China Stage IV) DOC + DPF + SCR

DRIVE

Undercarriage Type Crawler
 Drive Type Independent hydrostatic driven crawler systems
 Crawler Length 3360 mm
 Maximum Paving Speed 28 m/min
 Maximum Transport Speed 4 km/h

AUGER

Auger Type Center drive, reversible
 Auger Diameter 430 mm
 Auger Control Independent proportional with sonic sensors
 Adjustable height 250 mm
 Auger wing type Separately replaceable

GENERATOR

Type Synchron
 Nominal Power 35 kVA
 Peak Power 45 kVA

PUSH ROLLER SYSTEM

Standard Hydraulic damping and stepless adjustable (20cm) with automatic function

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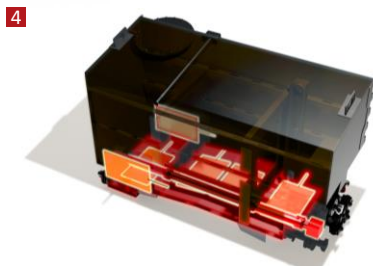
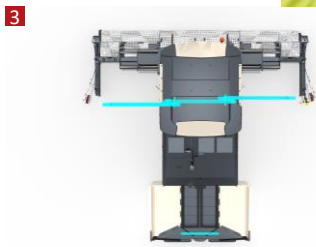
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OPTIONS

VarioSpeed	●
Pave Manager Advanced 2	●
SafeImpact System	●
Distance Dependent Slope and Crowning	●
Hydraulic Crowning	●
Insulated Hopper with hydraulic front flap	●
High-Capacity Conveyor	●
Screed Width Sensors	●
Electric Roof Lifting	●
Fuel Safe Hydraulics	●
Weather House (Plus)	●
Sun Umbrellas for Side Shield	●
LightAssist incl. Home Coming	●
TruckAssist	●
Hydraulic controlled side shields	●
Camera System	●
Fume Ventilation System	●
MatTracker screed width automation	●

Standard	●
Option	●

HIGHLIGHTS



HANDLING MADE EASY

Keep the overview to all angles. **1**

The central integration of the spray tank allows a 360° field of view to the operator. The overall cabin design is the well-known version from the SD2500CS Highway Pavers which allows operators to start working with the machine right away without the need to adapt to new controls.

Simple controls on Protac Touch Display. **2**

In addition to the Dynapac Highway Paver Dashboard, the Protac Panel gives access to the spray system controls, right at your fingertips. Whether you want to check the system status, clean the circuits, calibrate the spray bars or turn on the automatic mode. All that can be done in the already known way on a separate display to not lose focus on the paving process.

PAVE AND SPRAY AS YOU NEED

Choose the spray system based on your application. **3**

The Protac can be used in different use cases: normal paving application, tack coat application in combination with paving or special thin layer paving with bonding layer application. All of this can be faced on different types of roads which leads to a variety of needs when it comes to the machine and spray width. With Protac you can decide for a narrower machine width of 2.55m with a spray bar that can extend to 6.5m, or you look into bigger job sites and decide for a 7m spray width system which comes in combination with a V6000 screed and extended machine transport width of 3m. This allows you to customize the machine for usage in narrow conditions or allows you to add extension boxes to pave and spray a 7m road in one go.

The right temperature in place. **4**

Not overheating the spray emulsion is key for keeping the quality. To ensure that the Protac comes with an 18 kW peak three-stage heating system that gets activated stage by stage depending on the tank filling level. If you have left overs in the tank you want to use the next day, the tank insulation ensures to not lose more than 10°C over night which can be seamlessly heated up in combination with the screed heating the next morning. This ensures fast setup times and less logistics in the end of the working day.

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SPRAY APPLICATION ON A NEW LEVEL

Easy filling on both sides. **5**

The Protac comes with three filling interfaces: One is located on the right side of the machine, capable to let material in with the truck's pump, two of them located on the left side, one to push material in with the truck, the other one comes with an integrated pump to actively suck in the emulsion. In addition, the machine is equipped with a spray lance connector for manual spraying in non-reachable areas around the machine to avoid additional equipment on site.

Low spray rates increase your efficiency. **6**

Do not waste material and use only what is needed to ensure a sustainable resource usage. The Protac allows to reduce the spray rates down to 0.2 kg/m² which allows you to spray one day without refilling the tank on a standard job and in addition still ensure perfect layer bonding while reducing your costs.

Be independent from your screed width. **7**

Paving in curves or side by side causes non-sprayed spots when the spray bar stays connected to the side shields. With Protac you can spray wider than you pave, smaller than you pave or everything in between due to the hydraulic adjustable spray bars. If you want to make the spray bar follow the screed width, simply activate the auto function and the current offset will be maintained.

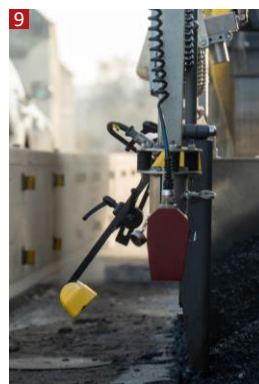
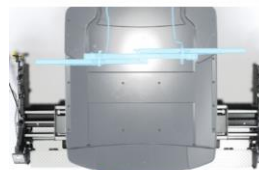
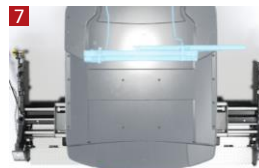
LESS HAZZLE WITH ASSISTANT SYSTEMS

Calibration tools built in. **8**

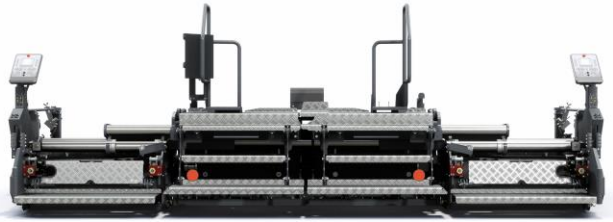
Different types of nozzles and different emulsion behavior are causing the need of machine calibration. To make that process convenient the Protac comes with an integrated calibration app that guides the operators through the calibration process step-by-step. In addition you can decide for our calibration package that contains every tool needed for Protac calibration in a comfortable, robust carry case.

Highway Paver support systems. **9**

As on the Dynapac SD2500CS Highway Pavers, all assistant systems are available and extended for Protac as well. Let the MatTracker take care about the screed and spray width control based on on-site references or store your current setup before relocating the machine with SetAssist.



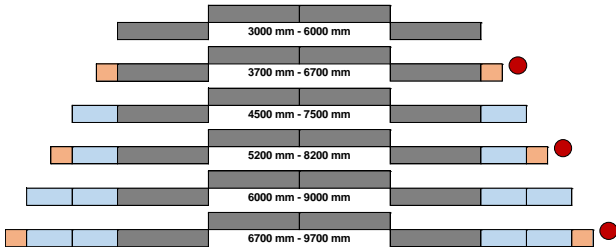
SCREEDS








V5100 TV / TV E / TH E



V6000 TV / TV E / TH E



LEGEND

	1275 mm V5100 section
	1500 mm V6000 section
	350 mm extension box
	750 mm extension box
	Not available for TH E screeds

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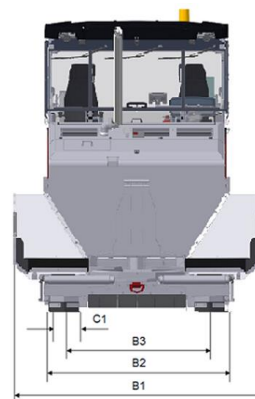
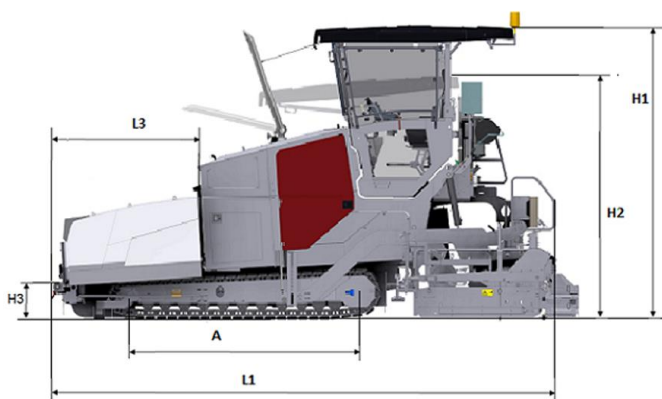
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SD2500CS PROTAC

SPECIAL CLASS



DIMENSIONS



A	Axle Track	3.36 m
B1	Max Width	3.46 m
B2	Standard Width	2.55 m / 3.00 m (depending on spray bar & screed selection)
B3	Center Crawler Width	1.99 m
C1	Crawler Width	0.32 m
H1	Max Height	3.90 m
H2	Transport Height	3.10 m
H3	Push Roller Height	0.49 m
L1	Length	7.53 m
L3	Hopper Length	2.07 m



Your Partner on the Road Ahead.

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