

Technical information

SUPER 2180-3 Li



Tracked paver SUPER 2180-3 Li
Highway Class

TECHNICAL HIGHLIGHTS

- > Maximum pave width 13 m
- > Maximum laydown rate 1,100 t/h
- > Transport width 3 m
- > Engine output: 191 kW at 2,000 rpm

SUPER 2180-3 Li - powerful, efficient and economical

The Highway Class from VÖGELE is legendary. No other paver in the world can rival it for popularity among professional road construction teams. Although the drive system of the high-grade SUPER 2180-3 Li has been completely revised, the machine still follows on seamlessly from its predecessors, offering the same proven features. The ErgoPlus system has also been enhanced for the "Dash 3" generation. The paver operator's console now features a particularly large colour display, providing brilliant readability even in poor lighting conditions.



TECHNICAL DATA	SUPER 2180-3 Li
Power unit	
Engine	
> Version	liquid-cooled 6-cylinder diesel engine
> Manufacturer	Dongfeng-Cummins
> Type	B6.7 CS4-260C
Output	
> Nominal	191 kW at 2,000 rpm
> ECO mode	190 kW at 1,700 rpm
Emissions information	
> Exhaust emissions standards	NR4
Fuel tank	350 litres
Undercarriage	
Crawler tracks	
> Version	with rubber pads
> Ground contact	3,060 x 300 mm
> Track tension adjuster	spring assembly
> Lubrication of track rollers	lifetime grease lubricated
Traction drive	separate hydraulic drive and electronic control provided for each crawler track
Speeds	
> Paving	up to 24 m/min., infinitely variable
> Travel	up to 4.5 km/h, infinitely variable
Material hopper	
Hopper capacity	15 t
Width	3,261 mm
Feed height	
> Hopper front, manual	508 mm (bottom of material hopper)
> Hopper front, hydraulic	580 mm (bottom of material hopper)
Push-rollers	
> Standard	oscillating
Position	can be displaced forwards by 75 mm or 150 mm

Conveyors and augers

Conveyors

> Version	2, with replaceable feeder bars, conveyor movement reversible for a short time
> Drive	separate hydraulic drive provided for each conveyor
> Speed	up to 45 m/min., infinitely variable (manual or automatic)

Augers

> Version	2, with exchangeable auger blades, auger rotation reversible
> Diameter	420 mm
> Drive	separate hydraulic drive provided for each auger
> Speed	up to 100 rpm, infinitely variable (manual or automatic)
> Height	infinitely variable by 20 cm, hydraulic

Lubrication centralized lubrication system with electrically driven grease pump for conveyor and auger bearings

Screed options	AB 600	SB 300	SB 300 HD
Basic width	3 m to 6 m	3 m	3 m
Maximum width	10 m	13 m	12 m
Compacting systems	TV, TP1	TV, TP1	T
Layer thickness	up to 50 cm		
Screed heating			
> Version	electric by heating rods*		
> Power supply	three-phase AC generator		

Dimensions (transport) and weights

Length

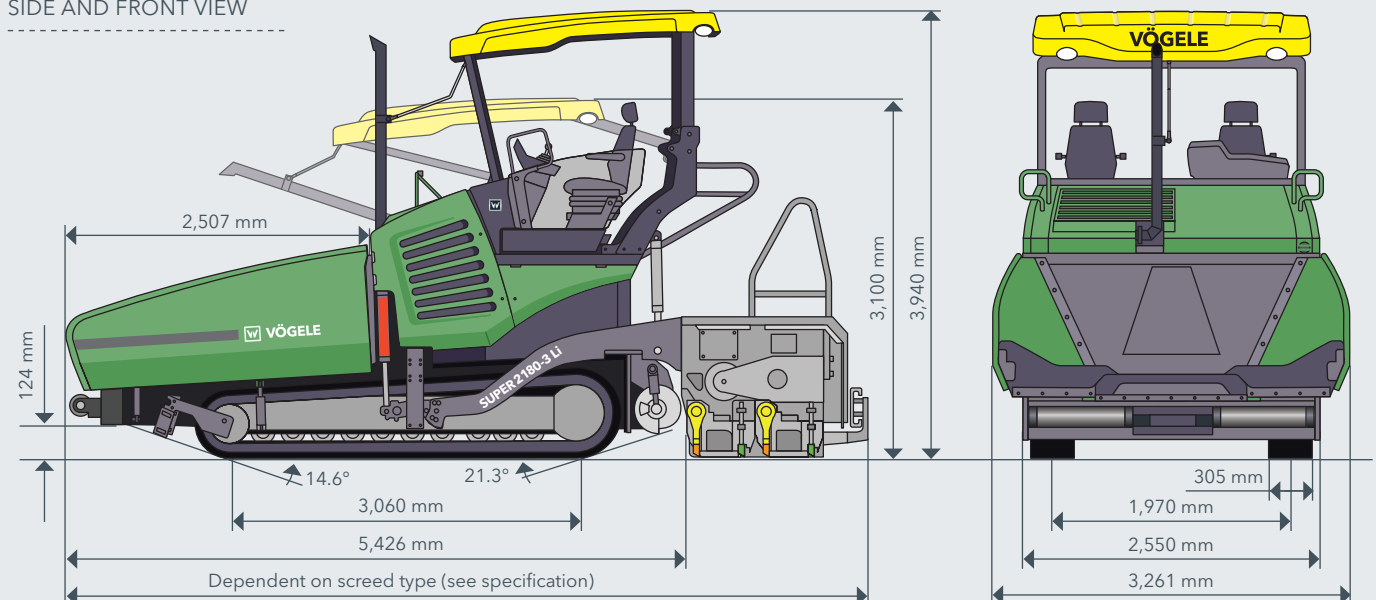
> Version	tractor unit and screed
> AB 600	6.71 m
> SB 300	6.77 m
> SB 300 HD	6.77 m

Weights

> Version	tractor unit and screed
> AB 600 TV	pave widths up to 6 m: 22,960 kg / pave widths up to 10 m: 29,740 kg

Key: AB = Extending Screed, SB = Fixed-Width Screed, HD = Heavy-Duty, T = with tamper, TV = with tamper and vibrators, TP1 = with tamper and 1 pressure bar, * not for SB 300 HD

SIDE AND FRONT VIEW



THE HIGHLIGHTS OF THE SUPER 2180-3 Li

- > Tracked Highway Class paver with a large range of applications and pave widths up to 13 m
- > Modern drive concept with efficient performance and low consumption
- > Easy to feed thanks to extra large material hopper and long chassis
- > Perfect paving quality due to perfect material management
- > Simple, ergonomic ErgoPlus 3 operating concept
- > Niveltronic Plus System for Automated Grade and Slope Control
- > Can be combined with the Extending Screed AB 600, as well as the SB 300 and SB 300 HD Fixed-Width Screeds
- > SB 300 HD (Heavy Duty) is specifically for roadbase applications

FEATURES

- | | |
|---|---|
| > Electronic engine management with ECO mode | ■ |
| > VÖGELE EcoPlus low-emissions package | ■ |
| > Simple, ergonomic ErgoPlus 3 operating concept | ■ |
| > Operator's seats, 2 pieces | ■ |
| > Hardtop made of glass fibre-reinforced polymer material with wide sunshades | ■ |
| > 6 working lights, LED | ■ |
| > AutoSet Plus for simple repositioning and saving of paving programs | □ |
| > PaveDock Assistant communication system | □ |
| > Heavy-Duty-Kit | ■ |
| > Sonic sensor for auger control | ■ |
| > Limiting plates for auger tunnel, hinged | □ |
| > Screed Assist | ■ |
| > Niveltronic Plus System for Automated Grade and Slope Control | □ |
| > Various sensor types are available for the Niveltronic Plus | □ |
| > 3D Solutions | □ |
| > Washdown system with hose reel | ■ |

This list is just an extract of the scope of supply.

■ Standard feature

□ Option

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