

Technical information

SUPER 2180 Li



Tracked paver SUPER 2180 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 Li - robust, powerful and easy to operate

The drive system of the new SUPER 2180 Li has been completely revised, the machine still follows on seamlessly from its predecessors, offering the same proven features.

The powerful material conveying system is sophisticated, as is the ErgoBasic operating concept. With a maximum pave width of 13 m this multifunctional VÖGELE paver handles motorway projects, rural roads or the surfacing of large areas with the same high perfection as it copes with confined spaces.



TECHNICAL DATA	SUPER 2180 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	508 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)

Conveyors and augers

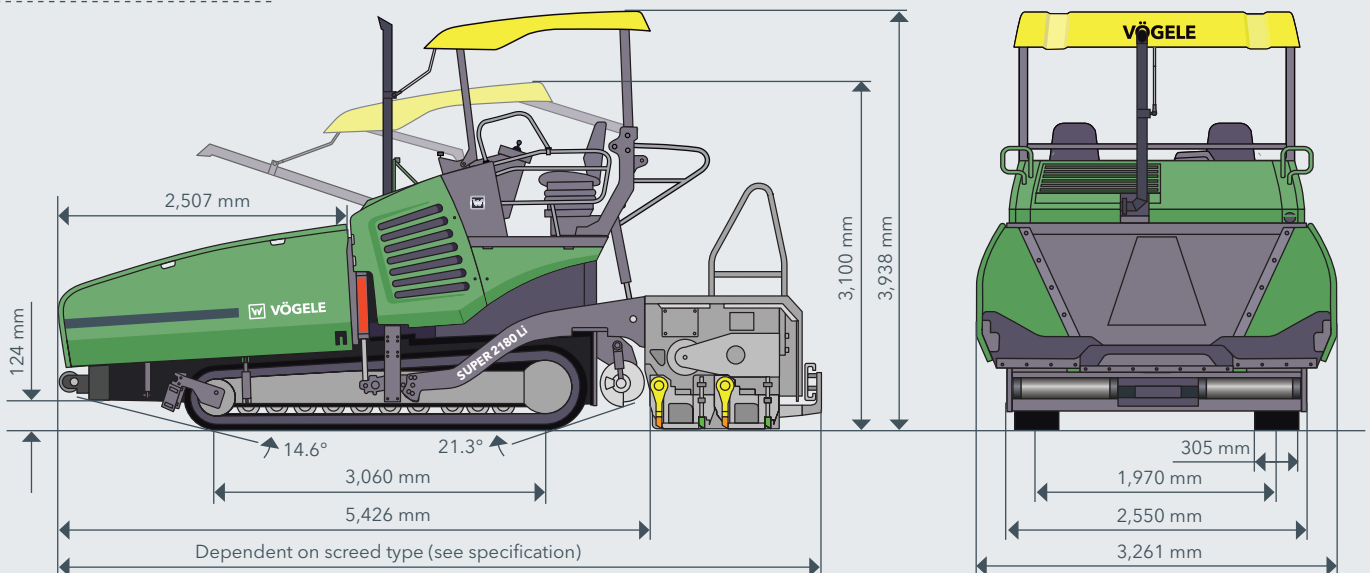
Augers				
> Version	2, with exchangeable auger blades, auger rotation reversible			
> Diameter	420 mm			
> Drive	separate hydraulic drive provided for each auger			
> Speed	up to 100 rpm, infinitely variable (manual or automatic)			
> Height	infinitely variable by 20 cm, hydraulic			
Lubrication	centralized lubrication system with electrically driven grease pump for conveyor and auger bearings			
Screed options	AB 570	AB 600	SB 300	SB 300 HD
Basic width	3 m to 5.7 m	3 m to 6 m	3 m	3 m
Maximum width	8.7 m	10 m	13 m	12 m
Compacting systems	TV	TV	TV	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 570/600	6.71 m
> SB 300	6.77 m
> SB 300 HD	6.77 m
Weights	
> Version	tractor unit and screed
> AB 570 TV	pave widths up to 5,7 m: 22,150 kg / pave widths up to 8.7 m: 28,750 kg

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

SIDE AND FRONT VIEW



THE HIGHLIGHTS OF THE SUPER 2180 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 operation with the innovative and easy-to-grasp ErgoBasic operating concept
- > Easy-to-use Niveltronic Basic System for Automated Grade and Slope Control
- > Can be combined with the Extending Screeds AB 570 and 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	■
> ErgoBasic operating concept	■
> Hardtop made of glass fibre-reinforced polymer material	■
> Operator's seats, 2 pieces	■
> 4 working lights, LED	■
> Limiting plates for auger tunnel, hinged	□
> Sonic sensor for auger control	■
> Niveltronic Basic System for Automated Grade and Slope Control	□
> Various sensor types are available for the Niveltronic Basic	□
> Screed Assist	□
> Heavy-Duty-Kit	■
> Washdown system with hose reel	■

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

■ Standard feature □ Option

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