

Technical information

# SUPER 1800-3(i)



## Tracked paver SUPER 1800-3(i)

Universal Class

### TECHNICAL HIGHLIGHTS

- > Maximum pave width 10 m
- > Maximum laydown rate 700 t/h
- > Transport width 2.55 m
- > Engine output: 129/127 kW at 2,000 rpm

### SUPER 1800-3(i) - top of its class

The SUPER 1800-3(i), the most powerful tracked paver in its performance class, covers an incredibly wide range of applications. With a maximum pave width of 10 m and a machine length of just 6.04 m, the VÖGELE paver handles motorway projects just as well as tight roundabouts.

The innovative, easy-to-understand ErgoPlus 3 operating concept creates a work environment with all the ergonomic and practical advantages a machine operator could possibly want.



TECHNICAL DATA	SUPER 1800-3i	SUPER 1800-3
Power unit		
	for EU/EFTA countries/USA/Canada/Japan	for all other countries
Engine	liquid-cooled 6-cylinder diesel engine	
> Version	Cummins	
> Manufacturer	Cummins	
> Type	B6.7-C173	QSB6.7-C170
Output		
> Nominal	129 kW at 2,000 rpm	127 kW at 2,000 rpm
> ECO mode	129 kW at 1,700 rpm	116 kW at 1,700 rpm
Emissions information		
> Exhaust emissions standards	EU Stage V, US EPA Tier 4f	EU Stage 3a, US EPA Tier 3
> Exhaust gas after-treatment	DOC, DPF, SCR	
> Guaranteed sound power level	L <sub>WA</sub> = 108 dB(A) (2000/14/EG, EN ISO 3744; EN 500-6)	
> Sound pressure level at the operator's stations	L <sub>PA</sub> ≤ 85 dB(A) (EN ISO 11201; EN 500-6)	
Fuel tank	300 litres	
Undercarriage		
Crawler tracks		
> Version	with rubber pads	
> Ground contact	2,830 x 305 mm	
> Track tension adjuster	spring assembly	
> Lubrication of track rollers	lifetime	
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	13 t	
Width	3,265 mm	
Feed height	590 mm (centre of material hopper)	
Push-rollers		
> Standard	oscillating	
Position	can be displaced forwards by 75 mm or 150 mm	
> Option	sprung (PaveDock)	

## 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 34 m/min., infinitely variable (manual or automatic)

### Augers

> Version	2, with exchangeable auger blades, auger rotation reversible
> Diameter	400 mm
> Drive	separate hydraulic drive provided for each auger
> Speed	up to 84 rpm, infinitely variable (manual or automatic)
> Height	infinitely variable by 15 cm, hydraulic, lowest position 10 cm above the ground

**Lubrication** automatic centralized lubrication system with electrically driven grease pump

Screed options	AB 500	AB 600	SB 300	SB 300 HD
Basic width	2.55 m to 5 m	3 m to 6 m	3 m	3 m
Maximum width (TV/TP1)	8.5 m	9 m	10 m	8 m
Compacting systems	TV, TP1, TP2, TP2 Plus	TV, TP1, TP2, TP2 Plus	TV, TP1, TP2	TV
Layer thickness	up to 30 cm			
Screed heating				
> Version	electric by heating rods*			
> Power supply	three-phase AC generator			

## Dimensions (transport) and weights

### Length

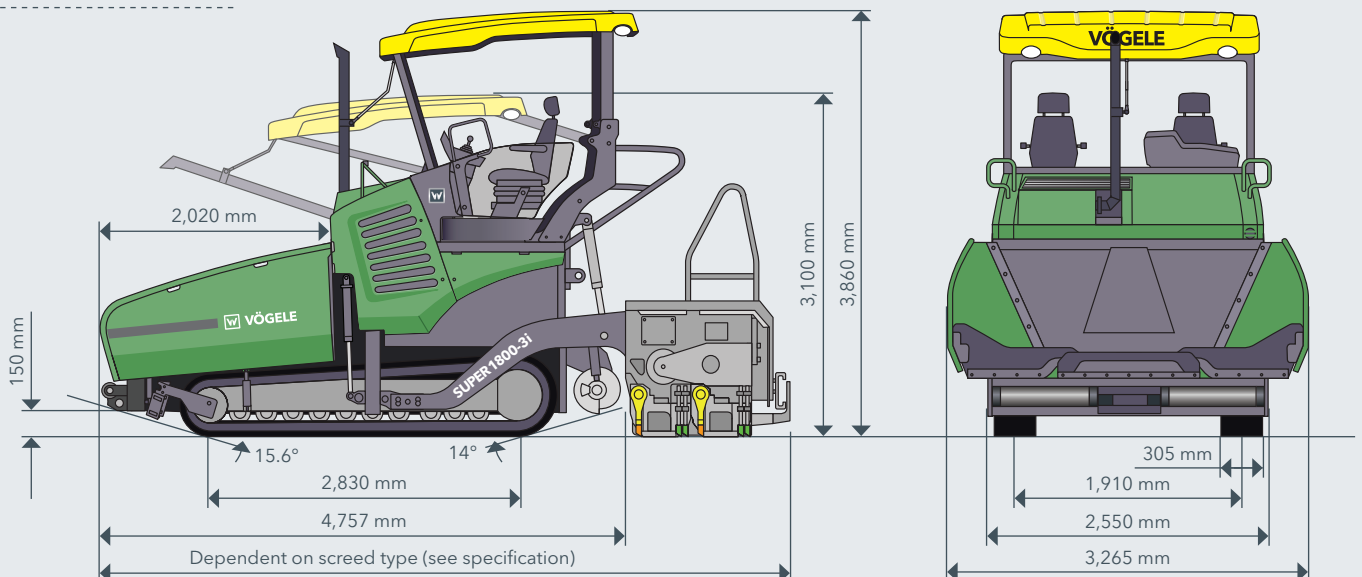
> Version	tractor unit and screed
> AB 500/600	TV: 6.04 m / TP1, TP2, TP2 Plus: 6.17 m
> SB 300	TV, TP1, TP2: 6.1 m
> SB 300 HD	TV: 6.1 m

### Weights

> Version	tractor unit and screed
> AB 500 TV	pave widths up to 5 m: 19,700 kg / pave widths up to 8.5 m: 25,450 kg

Key: DOC = Diesel Oxidation Catalyst, DPF = Diesel Particulate Filter, SCR = Selective Catalytic Reduction, AB = Extending Screed, SB = Fixed-Width Screed, HD = Heavy-Duty, TV = with tamper and vibrators, TP1 = with tamper and 1 pressure bar, TP2 = with tamper and 2 pressure bars, TP2 Plus = with special tamper, 2 pressure bars and additional weights, \* not for SB 300 HD

## SIDE AND FRONT VIEW



### THE HIGHLIGHTS OF THE SUPER 1800-3(i)

- > Tracked Universal Class paver with a large range of applications and pave widths up to 10 m
- > Powerful and economical drive concept, even when operating at full load in any climate zone
- > The VÖGELE EcoPlus low-emissions package significantly reduces fuel consumption and noise levels
- > Optimum feeding with mix thanks to the large material hopper, PaveDock sprung push-rollers and PaveDock Assistant communication system
- > ErgoPlus 3 operating system with numerous convenient and automatic functions
- > All screeds can be used with high compaction technology

FEATURES	SUPER 1800-3i	SUPER 1800-3
> Simple, ergonomic ErgoPlus 3 operating concept	■	■
> Powerful oil-cooled generator	■	■
> Large receiving hopper holding 13 tonnes	■	■
> WITOS FleetView telematics system	■	■
> VÖGELE EcoPlus low-emissions package	■	□
> Windscreen with windscreen wipers	□	□
> Ergonomic heated driver's seats	□	□
> AutoSet Plus for simple repositioning and saving of paving programs	□	□
> LED light balloon for use at night	□	□
> Hydraulic hopper front	□	□
> Sonic sensor to control augers	□	□
> PaveDock sprung push-rollers	□	□
> PaveDock Assistant communication system	□	□
> Niveltronic Plus System for Automated Grade and Slope Control	□	□
> Ventilation system	□	□
> VÖGELE RoadScan comprehensive asphalt temperature measuring system	□	□
> WITOS Paving Docu records paver and paving data	□	□
> WITOS Paving Plus process management solution	□	□

This list is just an extract of the scope of supply.  
Standard features and options may differ by sales region.

■ Standard feature    □ Option

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