

Technical information

# SUPER 1803-3(i)



## Wheeled paver SUPER 1803-3(i)

Universal Class

### TECHNICAL HIGHLIGHTS

- > Maximum pave width 8 m
- > Maximum laydown rate 700 t/h
- > Transport width 2.55 m
- > Engine output: 129 kW at 2,000 rpm

### SUPER 1803-3(i) - powerful wheeled paver

The SUPER 1803-3(i) is VÖGELE's most powerful wheeled paver. It offers a perfect combination of robust and reliable material management, large pave widths of up to 8 m and the excellent manoeuvrability and ease of transport of a wheeled paver.

Separate, hydraulic drives for both rear wheels and two front wheels (all-wheel drive optional) ensure maximum power transmission.



TECHNICAL DATA	SUPER 1803-3i	SUPER 1803-3
<b>Power unit</b>		
	for EU/EFTA countries/USA/Canada/Japan	for all other countries
<b>Engine</b>	liquid-cooled 6-cylinder diesel engine	
> Version	Cummins	
> Manufacturer	Cummins	
> Type	B6.7-C173	QSB6.7-C170
<b>Output</b>		
> 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
<b>Emissions information</b>		
> 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)	
<b>Fuel tank</b>	215 litres	
<b>Undercarriage</b>		
<b>Front wheels</b>		
> Version	4, mounted on bogies (oscillating axle)	
> Tyre equipment	solid tyres	
> Tyre size	540/300 - 390 mm	
<b>Rear wheels</b>		
> Version	2, pneumatic tyres, tubeless	
> Tyre size	14.00 R 25	
<b>Drive</b>		
> Version	separate hydraulic drive provided for each wheel	
> Standard	2 rear wheels and 2 front wheels powered	
> Option	2 rear wheels and 4 front wheels powered (all-wheel drive)	
<b>Speeds</b>		
> Paving	up to 18 m/min., infinitely variable	
> Travel	up to 20 km/h, infinitely variable	
<b>Outside turning circle</b>		
> Version	3.5 m (with Pivot Steer)	
<b>Material hopper</b>		
<b>Hopper capacity</b>	13 t	
<b>Width</b>	3,265 mm	
<b>Feed height</b>	590 mm (centre of material hopper)	
<b>Push-rollers</b>		
> Standard	oscillating	
> Position	can be displaced forwards by 75 mm or 150 mm	

**Conveyors and augers**

<b>Conveyors</b>	
> 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)
<b>Augers</b>	
> 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
<b>Lubrication</b>	automatic centralized lubrication system with electrically driven grease pump

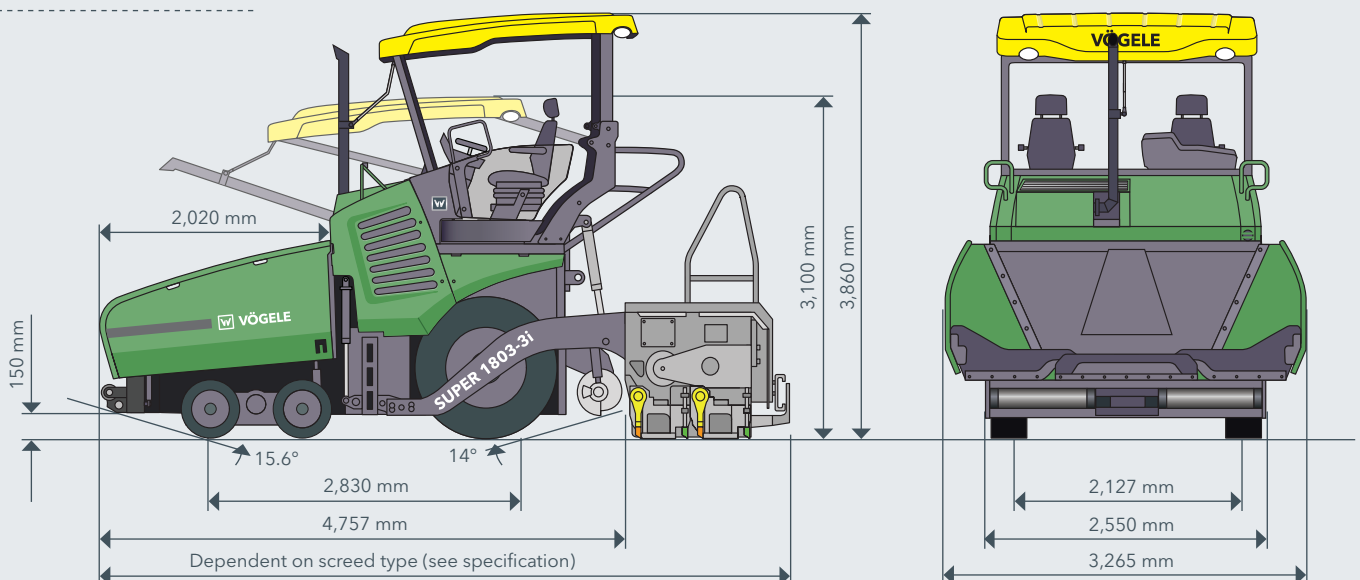
<b>Screed options</b>	<b>AB 500</b>	<b>AB 600</b>
<b>Basic width</b>	2.55 m to 5 m	3 m to 6 m
<b>Maximum width</b>	8 m (TV, TP1)	8 m (TV)
<b>Compacting systems</b>	TV, TP1	TV
<b>Layer thickness</b>	up to 30 cm	
<b>Screed heating</b>		
> Version	electric by heating rods	
> Power supply	three-phase AC generator	

**Dimensions (transport) and weights**

<b>Length</b>	
> Version	tractor unit and screed
> AB 500/600	TV: 6.04 m / TP1: 6.17 m
<b>Weights</b>	
> Version	tractor unit and screed
> AB 500 TV	pave widths up to 5 m: 18,500 kg / pave widths up to 8 m: 21,050 kg

Key: DOC = Diesel Oxidation Catalyst, DPF = Diesel Particulate Filter, SCR = Selective Catalytic Reduction, AB = Extending Screed, TV = with tamper and vibrators, TP1 = with tamper and 1 pressure bar

SIDE AND FRONT VIEW



### THE HIGHLIGHTS OF THE SUPER 1803-3(i)

- > Powerful and economical drive concept, even when operating at full load and in any climate zone
- > The VÖGELE EcoPlus low-emissions package significantly reduces fuel consumption and noise levels
- > The Pivot Steer steering brake reduces the outside turning circle to 3.5 m
- > Large material hopper with a capacity of 13 tonnes ensures optimum feeding with mix
- > PaveDock Assistant facilitates communication during transfer of mix
- > ErgoPlus 3 operating system with numerous convenient and automatic functions
- > AutoSet Plus functions for quick and safe repositioning on the job site and for storing individual paving programs
- > Niveltronic Plus fully integrated System for Automated Grade and Slope Control
- > Wide range of sensors for flexible use in all applications
- > Wide range of applications at pave widths up to 8 m
- > Can be combined with the AB 500 and AB 600 Extending Screeds

FEATURES	SUPER 1803-3i	SUPER 1803-3
> Simple, ergonomic ErgoPlus 3 operating concept	■	■
> Windscreen with windscreen wipers	□	□
> 2 comfortable operator's seats	■	■
> 2 ergonomic heated operator's seats	□	□
> LED light balloon for use at night	□	□
> Powerful, oil-cooled generator	■	■
> VÖGELE EcoPlus low-emissions package	■	□
> PaveDock Assistant communication system	□	□
> Hydraulic hopper front	□	□
> Large 13-tonne capacity material hopper	■	■
> Sonic sensor to control augers	□	□
> Niveltronic Plus System for Automated Grade and Slope Control	□	□
> Ventilation system	□	□
> AutoSet Plus	□	□
> Pivot Steer steering brake	□	□
> WITOS FleetView telematics system	■	■
> WITOS Paving Plus process management solution	□	□
> WITOS Paving Docu paver and paving data recording system	□	□
> VÖGELE RoadScan comprehensive asphalt temperature measuring system	□	□

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

■ Standard feature    □ Option

#### JOSEPH VÖGELE AG

Joseph-Vögele-Str. 1  
67075 Ludwigshafen  
Germany

T: +49 621 8105-0  
F: +49 621 8105-461  
M: marketing@voegele.info

[www.voegele.info](http://www.voegele.info)

