

Technical information

SUPER 1803-5 X



Wheeled paver SUPER 1803-5 X

Universal Class

TECHNICAL HIGHLIGHTS

- > Maximum pave width 8.25 m
- > Maximum laydown rate 700 t/h
- > Transport width 2.55 m
- > Engine output: 129 kW at 2,000 rpm

X

SUPER 1803-5 X - powerful wheeled paver

The SUPER 1803-5 X-Tier is VÖGELE’s most powerful wheeled paver. It offers a perfect combination of robust and reliable material management, large pave widths of up to 8.25 m and the excellent manoeuvrability and ease of transport of a wheeled paver.

VÖGELE is taking two steps into the future at once with its SUPER 1803-5 X wheeled paver: new operator ergonomics, more automated processes, quicker set-up times and reduced noise and exhaust emissions.



TECHNICAL DATA	Equivalent to EU Level 5, US EPA Tier 4f		Equivalent to EU Level 3a, US EPA Tier 3
Power unit			
Engine			
> Version	liquid-cooled 4-cylinder diesel engine		
> Manufacturer	Cummins		
> Type	B4.5	QSB4.5	
Output			
> Nominal	129 kW at 2,000 rpm		
> ECO mode	127 kW at 1,700 rpm	128 kW at 1,700 rpm	
Emissions information			
> Exhaust emissions standards	DOC, DPF, SCR		
> Guaranteed sound power level	L _{WA} ≤ 108 dB(A) (2000/14/EG, EN ISO 3744; EN 500-6)		
> Sound pressure level at the operator's stations	L _{PA} < 85 dB(A) (EN ISO 11201; EN 500-6)		
Fuel tank	215 litres		
Undercarriage			
Front wheels	4, mounted on bogies (oscillating axle)		
> Tyre equipment	Solid rubber tyres		
> Tyre size	540/300 - 390 mm		
Rear wheels	2, pneumatic tyres, tubeless		
> Tyre size	14.00 R25		
Drive			
> 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)		
Speeds			
> Paving	up to 18 m/min., infinitely variable		
> Travel	up to 19 km/h, infinitely variable		
Outside turning circle			
> Version	6.5 m (without Pivot Steer), 4.2 m (with Pivot Steer)		
Material hopper			
Hopper capacity	13 t		
Width	3,290 mm		
Feed height	578 mm (centre of material hopper)		
Push-rollers			
> Standard	oscillating		
Position	can be displaced forwards by 100 mm		

Conveyors and augers

Conveyors

> Version	2, with replaceable feeder bars, direction of conveyor temporarily reversible
> Drive	separate hydraulic drive provided for each conveyor
> Speed	up to 34 m/min., infinitely variable (manual or automatic)

Augers

> Version	2, with replaceable auger blades and reversible direction of rotation
> Diameter	320 mm
> Drive	separate hydraulic drive provided for each auger
> Speed	up to 84 rpm, infinitely variable (manual or automatic)
> Height	infinitely variable hydraulically up to 15 cm

Lubrication centralized lubrication system with electrically driven grease pump

Screed options

	AB 500	AB 600
Basic width	2.55 to 5 m	3 to 6 m
Maximum width (TV)	8 m	8.25 m
Compacting systems	TV, TP1	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

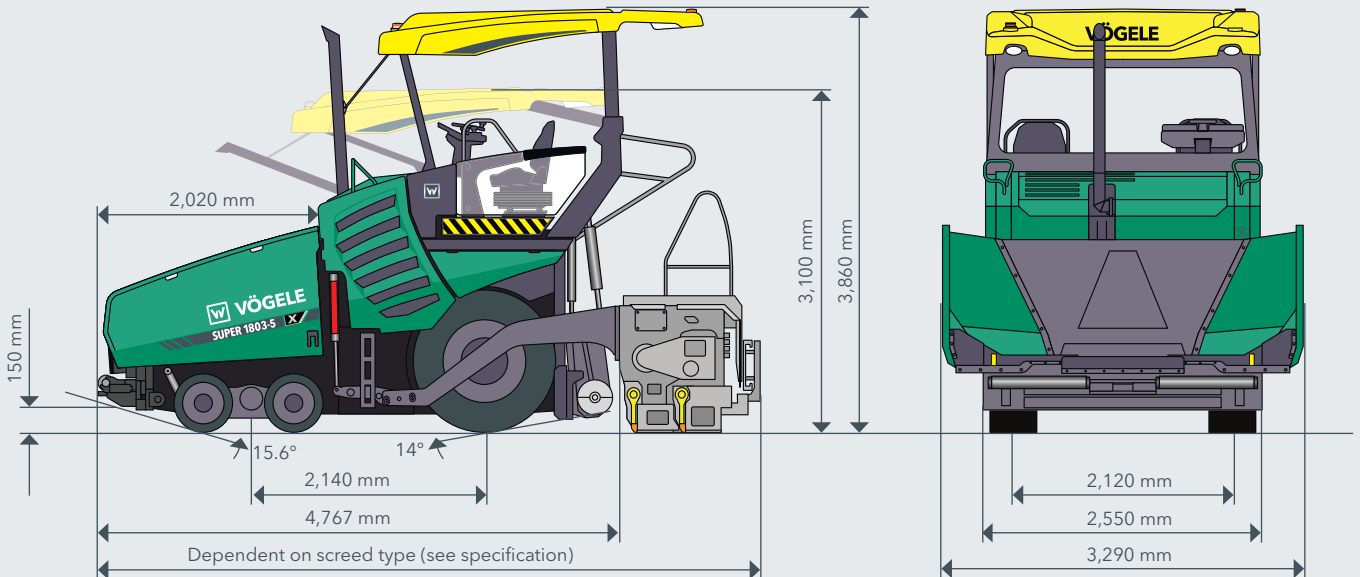
> Version	tractor unit and screed
> AB 600	TV: 6.06 m

Weights

> Version	tractor unit and screed
> AB 600 TV	pave widths up to 6 m: 19,500 kg / pave widths up to 8.25 m: 21,500 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 1803-5 X

- > Powerful and economical drive concept, even when operating at full load and in any climate zone
- > Powerful, efficient diesel engine with ECO mode
- > The VÖGELE EcoPlus low-emissions package significantly reduces fuel consumption and noise emissions
- > The Pivot Steer steering brake reduces the outside turning circle to 4.2 m
- > ErgoPlus 5 - the next step in the evolution of this proven operating concept from VÖGELE
- > Equipped for the future with ErgoPlus 5 Premium Touch
- > Optimum material feed thanks to the large material hopper and the PaveDock Assistant communication system
- > Greater safety and reduced set-up time at night-working job sites thanks to Light Package and Light Package Plus
- > Paver Access Control (PAC) makes the paver ready for operation and transport more quickly
- > Auto Grade and Grade Assist automated grade and slope control for automated roof profile and transverse profile paving
- > New generation screeds with Dual Shift Tamper for rapid tamper-stroke adjustment

FEATURES

SUPER 1803-5 X

> Powerful oil-cooled generator	■
> VÖGELE EcoPlus low-emissions package*	■
> ErgoPlus 5 paver operator's platform with fixed roof	■
> Paver operator's console Premium Touch	□
> Windscreen with windscreen wipers	□
> Convenience package with Paver Access Control (PAC)	□
> Pave Assist Plus to automate routine tasks	□
> Light Package and Light Package Plus	□
> PaveDock Assistant communication system	□
> Pivot Steer steering brake	■
> Large receiving hopper holding 13 tonnes	■
> Hydraulic hopper front	□
> Sonic sensor to control augers	■
> Auger tunnel illumination	■
> Auto Grade and Grade Assist for automated grade and slope	□
> Ventilation system	□
> VÖGELE RoadScan comprehensive asphalt temperature measuring system	□
> AutoTrac automatic steering and width control	□
> John Deere Operations Center	■

*Standard only for exhaust emissions standard EU Level 5, US EPA Tier 4f

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

