

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
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	$L_{WA} = 108 \text{ dB(A)}$ (2000/14/EG, EN ISO 3744; EN 500-6)	
> Sound pressure level at the operator's stations	$L_{PA} \leq 85 \text{ dB(A)}$ (EN ISO 11201; EN 500-6)	
Fuel tank	215 litres	
Undercarriage		
Front wheels		
> Version	4, mounted on bogies (oscillating axle)	
> Tyre equipment	solid tyres	
> Tyre size	540/300 - 390 mm	
Rear wheels		
> Version	2, pneumatic tyres, tubeless	
> Tyre size	14.00 R 25	
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 20 km/h, infinitely variable	
Outside turning circle		
> Version	3.5 m (with Pivot Steer)	
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	

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 ³ /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
Basic width	2.55 m to 5 m	3 m to 6 m
Maximum width	8 m (TV, TP1)	8 m (TV)
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 500/600	TV: 6.04 m / TP1: 6.17 m

Weights

> 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

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