

Technical information

SUPER 1603-3(i)



Wheeled paver SUPER 1603-3(i)

Universal Class

TECHNICAL HIGHLIGHTS

- > Maximum pave width 7 m
- > Maximum laydown rate 600 t/h
- > Transport width 2.55 m
- > Engine output: 115/116 kW at 2,000 rpm

SUPER 1603-3(i) - the compact wheeled paver

The SUPER 1603-3(i) is an all-rounder, and as a wheeled paver, has no trouble getting around. With its compact dimensions and Pivot Steer brake, the wheeled paver features excellent manoeuvrability, making it suitable for a wide variety of applications.

VÖGELE's ErgoPlus 3 operating concept makes paver operation easier and safer than ever before. The integrated Niveltronic Plus System for Automated Grade and Slope Control is easy to operate, accurate and reliable.



TECHNICAL DATA	SUPER 1603-3i	SUPER 1603-3
Power unit		
	for EU/EFTA countries/USA/Canada/Japan	for all other countries
Engine		
> Version	liquid-cooled 6-cylinder diesel engine	
> Manufacturer	Cummins	
> Type	B4.5-C154	QSB4.5-C155
Output		
> Nominal	115 kW at 2,000 rpm	116 kW at 2,000 rpm
> ECO mode	109 kW at 1,700 rpm	106 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	$L_{WA} = 107 \text{ dB(A)}$ (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	4, mounted on bogies (oscillating axle)	
> Tyre equipment	elastic solid rubber tyres	
> Tyre size	540/300 - 390 mm	
Rear wheels	2, pneumatic tyres, tubeless	
> Tyre size	14.00 R 25	
Drive		
> Version	separate hydraulic drive provided for each wheel	
> Standard	2 rear wheels (6x2)	
> Option	2 rear wheels and 2 front wheels (6x4), 2 rear wheels and 4 front wheels (6x6)	
Speeds		
> Paving	up to 18 m/min., infinitely variable	
> Travel	up to 20 km/h, infinitely variable	
Outside turning circle		
> Version	minimum 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 replaceable 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	AB 500
Basic width	2.55 to 5 m
Maximum width	6.5 m 7 m*
Compacting system	TV
Layer thickness	up to 30 cm
Screed heating	
> Version	electric by heating rods
> Power supply	three-phase AC generator
Dimensions (transport) and weight	
Length	
> Version	tractor unit with screed
> AB 500 TV	6.04 m
Weight	
> Version	tractor unit with screed
> AB 500 TV	pave widths up to 5 m: 17,900 kg / pave widths up to 6.5 m: 19,150 kg

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

* The 7 m pave width requires extra equipment and is available on request.

SIDE AND FRONT VIEW

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