

Technical information

# SUPER 2100-5 X



## Tracked paver SUPER 2100-5 X

Highway Class

### TECHNICAL HIGHLIGHTS

- > Maximum pave width 14 m
- > Maximum laydown rate 1,100 t/h
- > Transport width 2.55 m
- > Engine output: 187 kW at 2,000 rpm



## SUPER 2100-5 X-Tier - The new generation

With the SUPER 2100-5 X-Tier tracked paver, VÖGELE is taking two steps into the future at once: new operator ergonomics, more automated processes and faster set-up times, together with reduced noise and exhaust emissions.

The sum of further developments and new features make the SUPER 2100-5 X a paver to equip our customers perfectly for the future. In addition to its technical features, the paver is also forward-looking in terms of sustainability - thanks to its economical consumption and low emissions.



TECHNICAL DATA		SUPER 2100-5 X
<b>Power unit</b>		
<b>Engine</b>		
> Version		liquid-cooled 6-cylinder diesel engine
> Manufacturer		John Deere
> Type		6.8L PVS
<b>Output</b>		
> Nominal		187 kW at 2,000 rpm
> ECO mode		178 kW at 1,700 rpm
<b>Emissions information</b>		
> Exhaust emissions standards		European exhaust emissions standard EU Stage 5, US standard EPA Tier 4f, India CEV 5, South Korea KMOE 5
> 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)
<b>Fuel tank</b>		400 litres
<b>Undercarriage</b>		
<b>Crawler tracks</b>		
> Version		with rubber pads
> Ground contact		3,060 x 305 mm
> Track tension adjuster		spring assembly
> Lubrication of track rollers		lifetime
<b>Traction drive</b>		electronically controlled separate hydraulic drive provided for each crawler track
<b>Speeds</b>		
> Paving		up to 25 m/min., infinitely variable
> Travel		up to 4.5 km/h, infinitely variable
<b>Material hopper</b>		
<b>Hopper capacity</b>		14 t
<b>Width</b>		3,360 mm
<b>Feed height</b>		590 mm
<b>Push-rollers</b>		oscillating
> Standard		can be displaced forwards by 100 mm
Position		sprung and oscillating (PaveDock), displaceable longitudinally by 100 mm
> Option		

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

### Augers

> Version	2, with replaceable auger blades and reversible direction of rotation
> Diameter	480 mm / 420 mm / 340 mm
> Drive	separate hydraulic drive provided for each auger
> Speed	up to 80 rpm, infinitely variable (manual or automatic)
> Height	infinitely variable hydraulically up to 15 cm

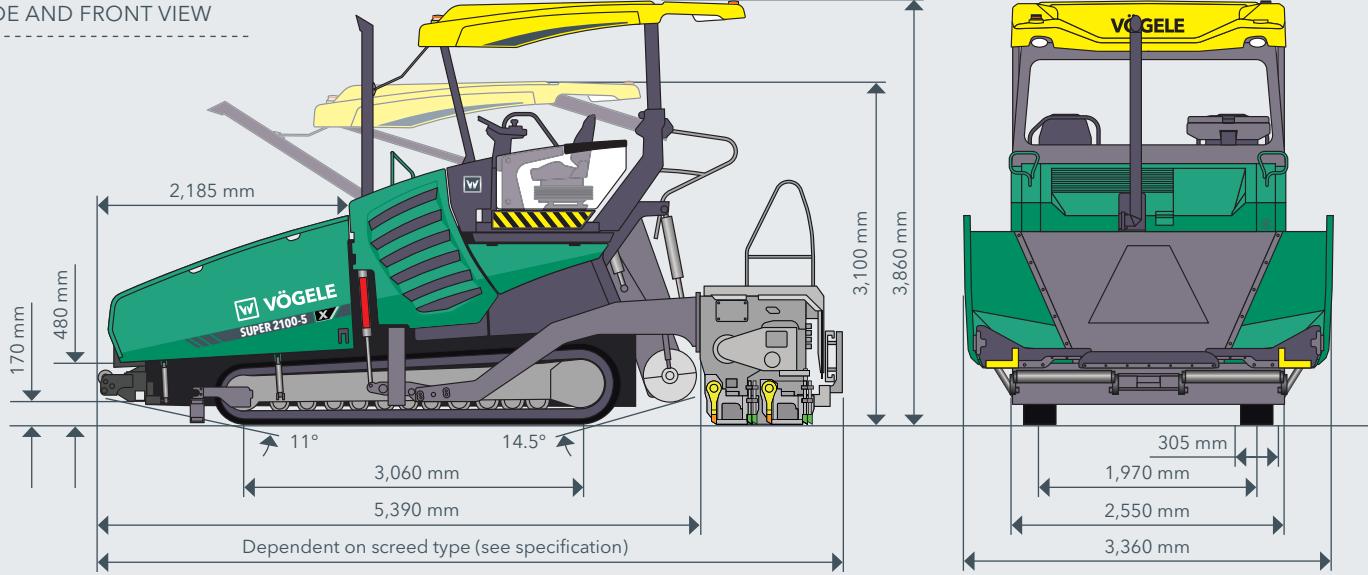
### Lubrication

centralized lubrication system with electrically driven grease pump

Screed options	AB 500	AB 600	SB 300	SB 300 HD	SB 350
Basic width	2.55 m to 5 m	3 m to 6 m	3 m	3 m	3.5 m
Maximum width (TV/TP1/TP2)	8.75 m	9.75 m	13 m	10 m	14 m
Maximum width (TP2 Plus)	8 m	9 m	-	-	-
Compacting systems	TV, TP1, TP2, TP2 Plus	TV, TP1, TP2, TP2 Plus	TV, TP1, TP2	TV	TV, TP1, TP2
Layer thickness			up to 40 cm (SB 300 / SB 350)		
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: 6.72 m / TP1, TP2, TP2 Plus: 6.85 m		
> SB 300/350			TV, TP1, TP2: 6.57 m		
> SB 300 HD			TV: 6.57 m		
Weights					
> Version			tractor unit and screed		
> AB 500 TV			pave widths up to 5 m: 23,300 kg / pave widths up to 8.75 m: 28,700 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 2100-5 X

- > Tracked paver of the latest generation with a large range of applications and pave widths up to 14 m
- > Powerful John Deere engine and thus one-stop service
- > The VÖGELE EcoPlus low-emissions package significantly reduces fuel consumption and noise emissions
- > 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, the PaveDock sprung push-rollers, 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 Plus 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 2100-5 X
> Powerful oil-cooled generator	<input checked="" type="checkbox"/>
> VÖGELE EcoPlus low-emissions package*	<input checked="" type="checkbox"/>
> ErgoPlus 5 paver operator's platform with fixed roof	<input checked="" type="checkbox"/>
> Paver operator's console Premium Touch	<input type="checkbox"/>
> Windscreen with windscreen wipers	<input type="checkbox"/>
> Convenience package with Paver Access Control (PAC)	<input type="checkbox"/>
> Pave Assist Plus to automate routine tasks	<input type="checkbox"/>
> Light Package and Light Package Plus	<input type="checkbox"/>
> PaveDock Assistant communication system	<input type="checkbox"/>
> PaveDock sprung push-rollers	<input type="checkbox"/>
> Large receiving hopper holding 14 tonnes	<input checked="" type="checkbox"/>
> Hydraulic hopper front	<input checked="" type="checkbox"/>
> Sonic sensor to control augers	<input checked="" type="checkbox"/>
> Auger tunnel illumination	<input checked="" type="checkbox"/>
> Auto Grade Plus and Grade Assist for automated grade and slope	<input type="checkbox"/>
> Ventilation system	<input type="checkbox"/>
> VÖGELE RoadScan comprehensive asphalt temperature measuring system	<input type="checkbox"/>
> Hydraulic tamper stroke adjustment at the touch of a button	<input type="checkbox"/>
> AutoTrac automatic steering and width control	<input type="checkbox"/>
> John Deere Operations Center	<input checked="" type="checkbox"/>

\*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

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