

Technical information

SUPER 2100-5 X



Tracked paver SUPER 2100-5 X

Highway Class

TECHNICAL HIGHLIGHTS

- > Maximum paving width 32 ft. (9.75 m)
- > Maximum laydown rate 1,200 tons/h (1,100 tonnes/h)
- > Transport width 8 ft 4 in (2.55 m)
- > Engine output: 250 hp (187 kW) at 2,000 rpm

X

SUPER 2100-5 X - 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 setup times, together with reduced noise and exhaust emissions.

All the upgrades and new features make the SUPER 2100-5 X a paver that equips 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

Power unit

Engine	
> Version	liquid-cooled 6-cylinder diesel engine
> Manufacturer	John Deere
> Type	6.8L PVS
Output	
> Nominal	250 hp (187 kW) at 2,000 U/min
> ECO mode	238 hp (178 kW) at 1,700 U/min
Emissions information	
> 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
Fuel tank	105 gallons (400 litres)

Undercarriage

Crawler tracks	
> Version	with rubber pads
> Ground contact	10 ft. x 12 in. (3,060 x 305 mm)
> Track tension adjuster	spring assembly
> Lubrication of track rollers	lifetime
Traction drive	electronically controlled separate hydraulic drive provided for each crawler track
Speeds	
> Paving	up to 82 fpm (25 m/min.), infinitely variable
> Transport	up to 2.7 mph (4.5 km/h), infinitely variable

Material hopper

Hopper capacity	15.4 tons (14 tonnes), including conveyor tunnel
Width	10 ft. 9 in. (3,280 mm)
Feed height	23 in. (590 mm)
Push-rollers	
> Standard	oscillating
Position	can be displaced forwards by 4 in. (100 mm)
> Option	sprung and oscillating (PaveDock), displaceable longitudinally by 4 in. (100 mm)

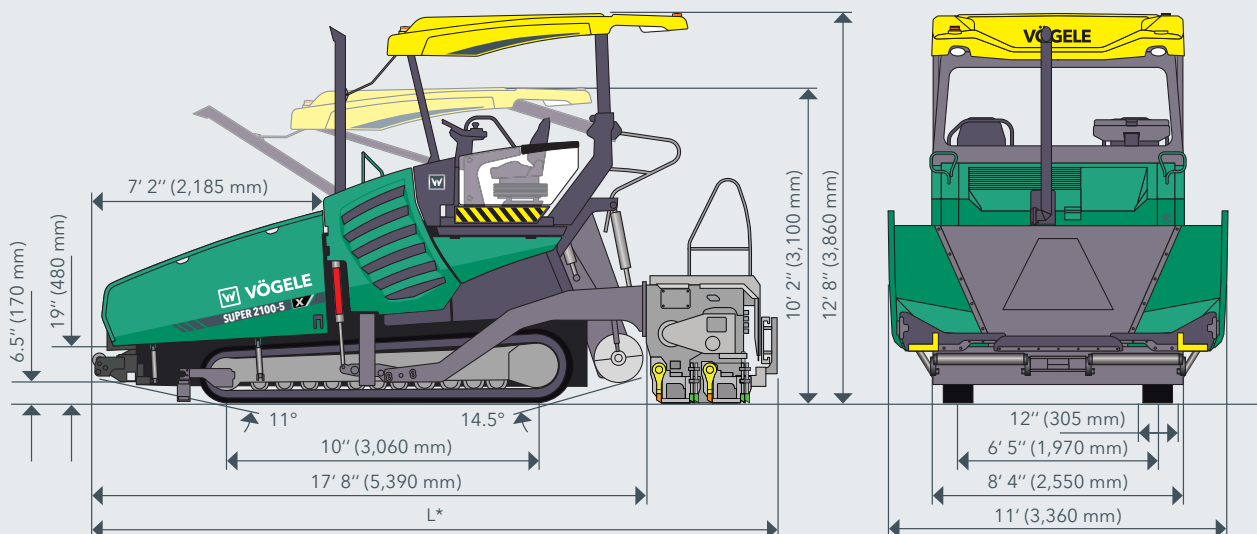
Conveyors and augers

Conveyors	
> Version	2, with replaceable feeder bars, direction of conveyor temporarily reversible
> Drive	separate hydraulic drive provided for each conveyor
> Speed	up to 147 fpm (45 m/min.), infinitely variable (manual or automatic)

Conveyors and augers		
Augers		
> Version	2, with replaceable auger blades and reversible direction of rotation	
> Diameter	19 in. / 16 in. / 13 in. (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 6 in. (15 cm)	
Lubrication	centralized lubrication system with electrically driven grease pump	
Screed	AB 500	AB 600
Basic width	8 ft. 4 in. to 16 ft. 5 in. (2.55 m to 5 m)	9 ft. 10 in. to 19 ft. 8 in. (3 m to 6 m)
Maximum width (TV/TP1/TP2)	28 ft. 8 in. (8.75 m)	32 ft. (9.75 m)
Maximum width (TP2 Plus)	26 ft. 3 in. (8 m)	29 ft. 6 in. (9 m)
Compacting systems	TV, TP1, TP2, TP2 Plus	TV, TP1, TP2, TP2 Plus
Layer thickness	up to 12 in. (30 cm)	
Screed heating		
> Version	electric by heating rods	
> Power supply	three-phase AC generator	
Dimensions (transport) and weights		
Length	tractor unit and screed	
> AB500/600	TV: 22 ft. (6.72 m) / TP1, TP2, TP2 Plus: 22 ft. 5 in. (6.85 m)	
> SB 300/350	TV, TP1, TP2: 21 ft. 6 in. (6.57 m)	
> SB 300 HD	TV: 21 ft. 6 in. (6.57 m)	
Weights	tractor unit and screed	
> AB 500 TV	paving widths up to 16 ft. 5 in. (5 m): 51,370 lbs. (23,300 kg) paving widths up to 28 ft. 8 in. (8.75 m): 63,275 lbs. (28,700 kg)	

Key: DOC = Diesel Oxidation Catalyst, DPF = Diesel Particulate Filter, SCR = Selective Catalytic Reduction, AB = Extending 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

SIDE AND FRONT VIEW



L* = Dependent on screed type (see specification)

THE HIGHLIGHTS OF THE SUPER 2100-5 X

- > Latest-generation tracked paver, with a large range of applications and pave widths up to 32 ft. (9.75 m)
- > Powerful John Deere engine, meaning one-stop service
- > The VÖGELE EcoPlus low-emissions package significantly reduces fuel consumption and noise
- > ErgoPlus 5 - the next step in the evolution of VÖGELE's tried and tested operating concept
- > 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
- > Improved safety and reduced setup times 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

> Powerful oil-cooled generator	■
> VÖGELE EcoPlus low-emissions package*	■
> ErgoPlus 5 paver operator's platform with fixed roof	■
> Paver operator's console Premium Touch	□
> Windshield with 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	□
> PaveDock sprung push-rollers	□
> Large receiving hopper with 30,865 lbs. (14 tonnes) capacity	■
> Hydraulic hopper front	□
> Sonic sensor to control augers	■
> Auger tunnel illumination	■
> Auto Grade Plus and Grade Assist for automated grade and slope	□
> Ventilation system	□
> VÖGELE RoadScan comprehensive asphalt temperature measuring system	□
> Hydraulic tamper stroke adjustment at the touch of a button	□
> 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

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