

Technical information

SUPER 2100-5i



Tracked paver SUPER 2100-5i

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

SUPER 2100-5i - the new generation

With the SUPER 2100-5i 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 2100-5i 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	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

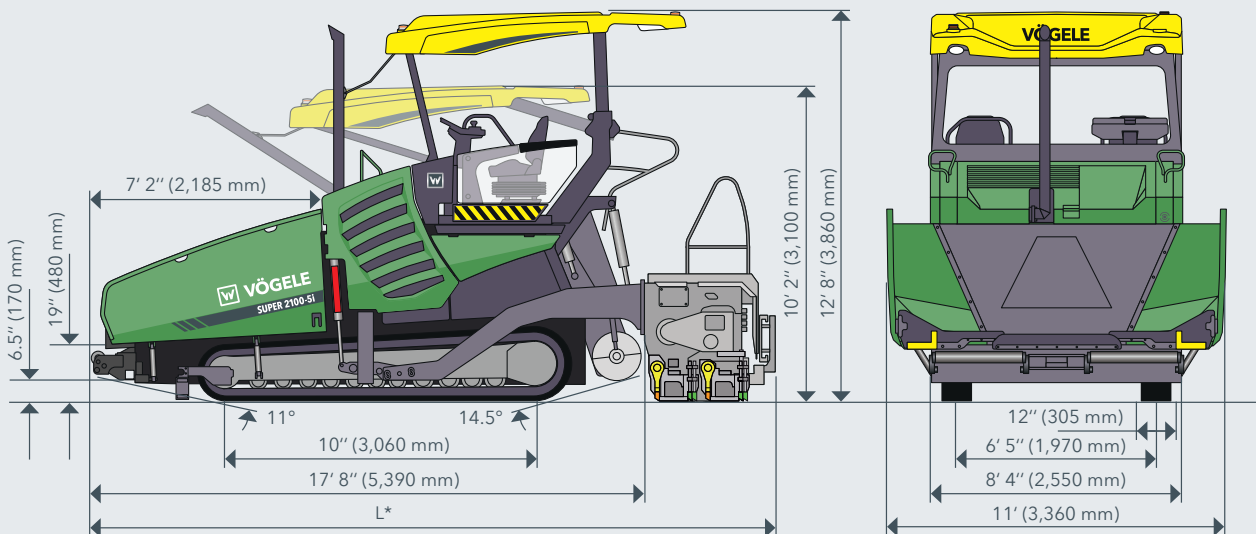
Augers		
> Version	2, with replaceable auger blades and reversible direction of rotation	
> Diameter	19 in. / 16 in. / 13 in. (480 mm / 420 mm / 340 mm)	
> Drive	separate hydraulic drive provided for each auger	
> Speed	up to 80 rpm, infinitely variable (manual or automatic)	
> Height	infinitely variable 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)	
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 2100-5i

- > 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 makes the paver ready for operation and transport more quickly
- > Niveltronic Plus 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	□
> Windshield with wipers	□
> Convenience Package for paver operator's platform	□
> 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	■
> Niveltronic Plus and Niveltronic Plus Assist for automated grade and slope	□
> Ventilation system	□
> VÖGELE RoadScan comprehensive asphalt temperature measuring system	□
> WITOS Paving Docu records paver and paving data	□
> WITOS Paving Plus process management solution	□
> Operations Center telematics system	■

This list is just an extract of the scope of supply.
Standard features and options may differ by sales region.

■ Standard feature □ Option

Wirtgen America, Inc.

6030 Dana Way
Antioch, TN 37013
USA

T: +1 615 501-0600
F: +1 615 501-0691
M: info.america@wirtgen-group.com

➤ www.wirtgen-group.com/america

