

Technical information

# SUPER 1800-3(i)



**Tracked paver SUPER 1800-3(i)**  
Universal Class

## TECHNICAL HIGHLIGHTS

- > Maximum pave width 10 m
- > Maximum laydown rate 700 t/h
- > Transport width 2.55 m
- > Engine output: 127/129 kW at 2,000 rpm

### SUPER 1800-3(i) - top of its class

The SUPER 1800-3(i), the most powerful tracked paver in its performance class, covers an incredibly wide range of applications. With a maximum pave width of 10 m and a machine length of just 6.04 m, the VÖGELE paver handles motorway projects just as well as tight roundabouts.

The innovative, easy-to-understand ErgoPlus 3 operating concept creates a work environment with all the ergonomic and practical advantages a machine operator could possibly want.

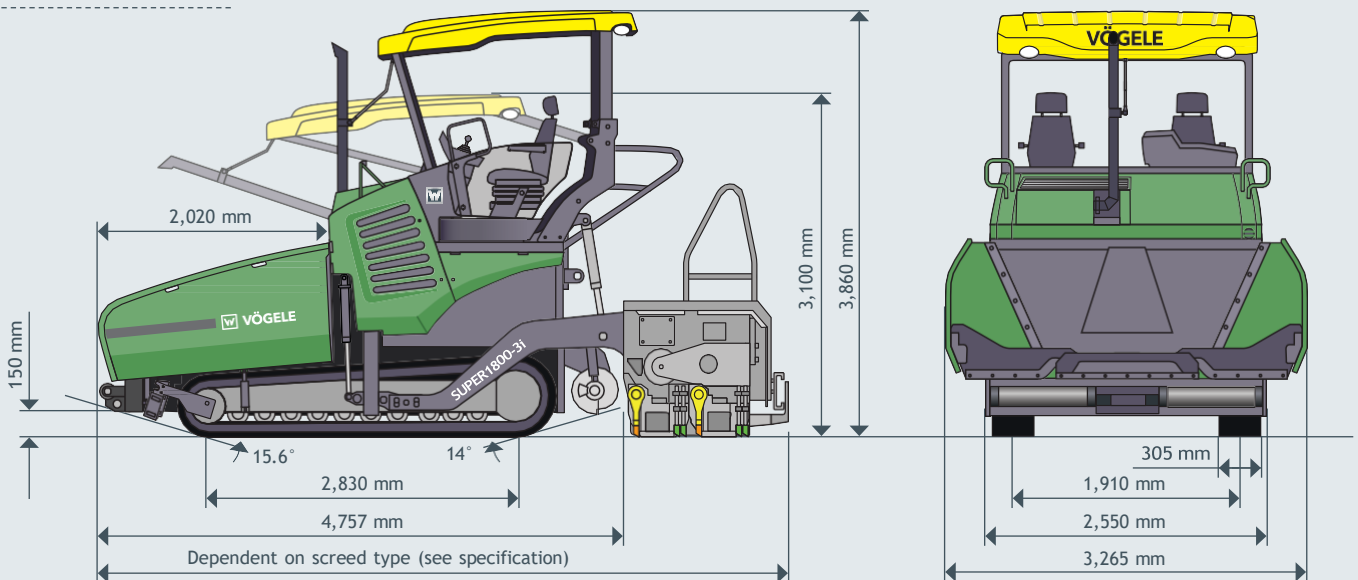


| TECHNICAL DATA                                    | SUPER 1800-3i   | SUPER 1800-3               |
|---|---|----------------------------|
| <b>Power unit</b>                                 |   |                            |
|   | for EU/EFTA countries/USA/Canada/Japan  | for all other countries    |
| <b>Engine</b>                                     | liquid-cooled 6-cylinder diesel engine  |                            |
| > Version   | Cummins   |                            |
| > Manufacturer                                    | Cummins   |                            |
| > Type  | B6.7-C173   | QSB6.7-C170                |
| <b>Output</b>                                     |   |                            |
| > 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        |
| <b>Emissions information</b>                      |   |                            |
| > Exhaust emissions standards                     | EU Stage VI, US EPA Tier 4f   | EU Stage 3a, US EPA Tier 3 |
| > Exhaust gas after-treatment                     | DOC, DPF, SCR   |                            |
| > Guaranteed sound power level                    | L <sub>WA</sub> = 108 dB(A)<br>(2000/14/EG, EN ISO 3744; EN 500-6)              |                            |
| > Sound pressure level at the operator's stations | L <sub>PA</sub> ≤ 85 dB(A)<br>(EN ISO 11201; EN 500-6)                          |                            |
| <b>Fuel tank</b>                                  | 300 litres  |                            |
| <b>Undercarriage</b>                              |   |                            |
| <b>Crawler tracks</b>                             |   |                            |
| > Version   | with rubber pads  |                            |
| > Ground contact                                  | 2,830 x 305 mm  |                            |
| > Track tension adjuster                          | spring assembly   |                            |
| > Lubrication of track rollers                    | lifetime  |                            |
| <b>Traction drive</b>                             | separate hydraulic drive and electronic control provided for each crawler track |                            |
| <b>Speeds</b>                                     |   |                            |
| > Paving  | up to 24 m/min., infinitely variable  |                            |
| > Travel  | up to 4.5 km/h, infinitely variable   |                            |
| <b>Material hopper</b>                            |   |                            |
| <b>Hopper capacity</b>                            | 13 t  |                            |
| <b>Width</b>                                      | 3,265 mm  |                            |
| <b>Feed height</b>                                | 590 mm (centre of material hopper)  |                            |
| <b>Push-rollers</b>                               |   |                            |
| > Standard  | oscillating   |                            |
| Position  | can be displaced forwards by 75 mm or 150 mm                                    |                            |
| > Option  | sprung (PaveDock)   |                            |

| Conveyors and augers               |   |                        |               |                  |
|------------------------------------|---|------------------------|---------------|------------------|
| <b>Conveyors</b>                   |   |                        |               |                  |
| > 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/min., infinitely variable (manual or automatic)                      |                        |               |                  |
| <b>Augers</b>                      |   |                        |               |                  |
| > 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 |                        |               |                  |
| <b>Lubrication</b>                 | automatic centralized lubrication system with electrically driven grease pump   |                        |               |                  |
| <b>Screed options</b>              | <b>AB 500</b>   | <b>AB 600</b>          | <b>SB 300</b> | <b>SB 300 HD</b> |
| Basic width                        | 2.55 m to 5 m   | 3 m to 6 m             | 3 m           | 3 m              |
| Maximum width (TV/TP1)             | 8.5 m   | 9 m                    | 10 m          | 8 m              |
| Compacting systems                 | TV, TP1, TP2, TP2 Plus  | TV, TP1, TP2, TP2 Plus | TV, TP1, TP2  | TV               |
| Layer thickness                    | up to 30 cm   |                        |               |                  |
| <b>Screed heating</b>              |   |                        |               |                  |
| > Version                          | electric by heating rods*   |                        |               |                  |
| > Power supply                     | three-phase AC generator  |                        |               |                  |
| Dimensions (transport) and weights |   |                        |               |                  |
| <b>Length</b>                      |   |                        |               |                  |
| > Version                          | tractor unit and screed   |                        |               |                  |
| > AB 500/600                       | TV: 6.04 m / TP1, TP2, TP2 Plus: 6.17 m   |                        |               |                  |
| > SB 300                           | TV, TP1, TP2: 6.1 m   |                        |               |                  |
| > SB 300 HD                        | TV: 6.1 m   |                        |               |                  |
| <b>Weights</b>                     |   |                        |               |                  |
| > Version                          | tractor unit and screed   |                        |               |                  |
| > AB 500 TV                        | pave widths up to 5 m: 19,700 kg / pave widths up to 8.5 m: 25,450 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 1800-3(i)

- > Tracked Universal Class paver with a large range of applications and pave widths up to 10 m
- > Powerful and economical drive concept, even when operating at full load in any climate zone
- > The VÖGELE EcoPlus low-emissions package significantly reduces fuel consumption and noise levels
- > Optimum feeding with mix thanks to the large material hopper, PaveDock sprung push-rollers and PaveDock Assistant communication system
- > ErgoPlus 3 operating system with numerous convenient and automatic functions
- > All screeds can be used with high compaction technology

| FEATURES  | SUPER 1800-3i | SUPER 1800-3 |
|---|---------------|--------------|
| > Simple, ergonomic ErgoPlus 3 operating concept                      | ■             | ■            |
| > Powerful oil-cooled generator                                       | ■             | ■            |
| > Large receiving hopper holding 13 tonnes                            | ■             | ■            |
| > WITOS FleetView telematics system                                   | ■             | ■            |
| > VÖGELE EcoPlus low-emissions package                                | ■             | □            |
| > Windscreen with windscreen wipers                                   | □             | □            |
| > Ergonomic heated driver's seats                                     | □             | □            |
| > AutoSet Plus for simple repositioning and saving of paving programs | □             | □            |
| > LED light balloon for use at night                                  | □             | □            |
| > Hydraulic hopper front  | □             | □            |
| > Sonic sensor to control augers                                      | □             | □            |
| > PaveDock sprung push-rollers  | □             | □            |
| > PaveDock Assistant communication system                             | □             | □            |
| > Niveltronic Plus System for Automated Grade and Slope Control       | □             | □            |
| > Ventilation system  | □             | □            |
| > VÖGELE RoadScan comprehensive asphalt temperature measuring system  | □             | □            |
| > WITOS Paving Docu records paver and paving data                     | □             | □            |
| > WITOS Paving Plus process management solution                       | □             | □            |

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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