Vögele │ New Classic Line Universal Class Paver

The SUPER 1880 L – the multifunctional paver for diverse paving tasks

Paving base courses up to 50 cm thick requires extremely powerful and durable pavers. Vögele’s SUPER 1880 L is a cost-efficient, heavy-duty tracked paver designed for paving both water-bound materials and asphalt mixes. Moreover, with a maximum pave width of 9.5 m, the SUPER 1880 L is the right paver for use on motorway projects and rural roads. The paver is available with emission level 3 or lower in defined markets across Africa, Eastern Europe, the Middle East, Oceania, and Southeast Asia.

Modern Drive Technology

Vögele’s modern drive concept is adapted to the large range of different uses of the multifunctional SUPER 1880 L. This paver is powered by a high-performance 6-cylinder diesel engine rated at 158 kW. The engine features an ECO mode that reduces the nominal speed from 2,000 rpm to 1,700 rpm. This ECO mode reduces operating costs and noise emissions significantly. All drive components operate with maximum efficiency, from the diesel engine to the hydraulic system.

Precision on Tracks

The optimized crawler unit with additional track carrier rollers maximizes the quiet running of the paver. The separate electronically controlled drives installed in the sprockets of the crawler tracks permit constant straight movement and precise steering through curves. In addition, they allow engine output to be translated into pave speed with no loss of power. Meanwhile, the long crawler tracks with large footprints provide for maximum tractive effort, allowing the paver to progress well at a constant speed even when operating on difficult terrain. A separate drive and electronic control unit are provided for each crawler track, ensuring positive tracking when moving straight as well as accurate cornering. At the same time, new track pads deliver maximum traction on any base. Their high abrasion resistance makes for a long service life. They are also easy to replace during servicing.

Optimal Material Management

A continuous flow of mix is key to ensuring uninterrupted and high-quality paving. That is why Vögele attaches such importance to professional material management when designing their pavers. This is also essential when using this multifunctional paver for roadbase applications. The long, extended hopper of the SUPER 1880 L permits fast unloading of trucks while its powerful conveyor system (longitudinal, lateral) delivers a high throughput rate and continuous material flow. All these features add up to high daily performance rates on the job site.

Large Material Hopper, Easy Feed with Mix

Any mix truck can dock onto the SUPER 1880 L without difficulty, thanks to its great length and low feed height. What is more, the wide, oscillating push-rollers can be moved 150 mm or 75 mm forward for convenient and jerk-free material supply to the paver from any kind of feed vehicle. The large material hopper holds up to 15 t. This not only permits rapid unloading of the feed trucks, but also ensures that there is an ample buffer of material when changing trucks.

**ErgoBasic Operating Concept**

The ErgoBasic operating concept was developed on the basis of the proven ErgoPlus operating system but was tailored specifically to the needs and requirements of the users of the Classic Line pavers. The aim was to develop an operating system that is just as quick, precise and intuitive to operate as the ErgoPlus 3 system. This enables Vögele to offer a standardized operating concept for all paver classes.

Vögele has also developed a System for Automated Grade and Slope Control to match the ErgoBasic operating system: the Niveltronic Basic. It is completely integrated into the machine control system and therefore perfectly adapted to the paver model concerned. Another aspect of Niveltronic Basic is its particularly simple and intuitive handling, a feature which makes it easy even for less experienced operators to navigate their way around the system. This creates ideal conditions for the Classic Line paver to work true to line and level on any base.

**Screed Options for SUPER 1880 L**

The multifunctional SUPER 1880 L stands out with its high adaptability, a feature that renders it suitable for diverse paving tasks, including paving for motorways, A roads roads and B roads. A number of screed options are available for combination with the SUPER 1880 L: The Universal Class paver can be combined with the AB 480, AB 500, AB 570 and AB 600 extending screeds. Through the addition of bolt-on extensions, the maximum paving width amounts to 7.8 m with the AB 480 extending screed, to 8.5 m with the AB 500, to 8.7 m with the AB 570, and to 9.5 m with the AB 600.

Extending screedsare the preferred choice on all those jobs where pave width varies and premium pavement quality counts. Thanks to their sturdy single-tube telescoping system, these screeds can be set quickly and accurately to any pave width desired. The screeds are available in TV version (with tamper and vibrators).

Furthermore, the SUPER 1880 L can be combined with the SB 300 HD fixed-width screed. This screed has been specially developed for the use of cold materials in roadbase construction such as cement-treated base (CTB). Its deep screed plates make for excellent floating behaviour. Depending on the layer thickness and material, the tamper stroke can be set to 2, 4 or 7 mm. In combination with the special tamper geometry, this ensures particularly high compaction values.

Photos:

  
V\_PR\_SUPER\_1880L\_1.jpg

The heavy-duty design of the Vögele SUPER 1880 L is ideal for paving cold, coarse materials and, as a multifunctional specialist, it is also suitable for paving hot asphalt layers.

  
V\_PR\_SUPER\_1880L\_2.jpg

The large material hopper of the SUPER 1880 L from Vögele can hold up to 15 t of mix and is particularly easy to load thanks to its geometry.

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**V\_PR\_SUPER\_1880L\_3.jpg**The Vögele Universal Class paver is simple to operate with the innovative and easy-to-grasp ErgoBasic operating concept.

Please note: These photographs are only intended as a preview. For printing in publications, please download and use the enclosed photos in 300 dpi resolution.

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