

The Liebherr crawler tractor PR 716 unveiled at Bauma 2016

- Unveiled at Bauma 2016 and available to markets that require Stage IV / Tier 4f emissions standards
- State-of-the-art technology for road construction, horticulture and landscaping, as well as for general earthmoving applications
- Economical and efficient due to hydrostatic drive and selectable ECO mode

Munich (Germany), 11 April 2016 - Liebherr expands its generation 6 crawler tractor series to include the new PR 716 Litronic. The new range comprises six models with operating weights from 13 tonnes to over 73 tonnes.

Liebherr unveils the new PR 716 crawler tractor at Bauma 2016. The successor model of the successful PR 714 has an operating weight of 13,200 to 15,200 kg with an engine output of 93 kW / 126 HP.

The Liebherr PR 716 is powered by a 4-cylinder diesel engine that complies with the Stage IV / Tier 4f emissions standards. In order for the requisite emissions and consumption targets to be fulfilled, the entire combustion process has been optimised to reduce the particulates even within the engine to a minimum.

To optimize the combustion process, Liebherr relies on the new Selective Catalytic Reduction technology (SCR). This technology does not require the use of a Diesel Particulate Filter (DPF). Ease of maintenance and low fuel consumption are just a few of the benefits to Liebherr customers. The highly efficient combustion process facilitates low fuel consumption.

Highest performance and operating efficiency

As with all generation 6 crawler tractors, the new PR 716 Litronic features an electronic drive management system with an ECO mode setting. Making it possible for the operator to select between high performance and maximum economy. The ECO mode

enables the PR 716 to achieve greater efficiency and is ideal for light and medium-duty applications.

The proactive power control is activated when pushing heavy material. It temporarily increases the engine power based on the current requirement. As well as responding more rapidly, the machines offer a significant increase in performance potential and pulling power and a higher reverse speed.

The hydrostatic drive keeps the engine speed at a constant level. All drive components and the intelligent Liebherr engine management are optimally adapted to the speed, contributing towards reduced fuel consumption.

The optional inching brake pedal facilitates the transition from conventionally driven machines to Liebherr generation 6 crawler tractors. With this equipment option, both the travel speed and also the brake can be controlled via the foot pedal. An optimum enhancement is the 3-stage joystick (which can be locked in forward, stop and reverse), which is also available as an option.

Equipment and options for any application

A wide variety of equipment features are available for the new PR 716 Litronic. The universal 6-way blade makes the new crawler tractor the ideal tool in a variety of applications. Thanks to the optional hinged corners, transportation between the construction sites is also effected simply and cost effectively. Customers can select from different ripper tooth options; 3-tooth or 5-tooth as well as other features such as, a hydraulic rope winch, counterweight or tow hitch.

Different undercarriage configurations are available for the PR 716 Litronic. The XL and LGP undercarriage versions are available depending on type of terrain and work conditions. The Liebherr free- turning bushings (FTB) running gear is also available for fast-wearing ground conditions. This swivel running gear, exclusively developed for Liebherr, is particularly well-suited for deployment on soft, abrasive ground and considerably extends the service life in sand, for example. If used in areas with impact

loads, such as on stones and rocks, Liebherr considers the trusted lubricated-for-life chains to be the ideal solution.

The PR 716 Litronic offers factory installed preparation kits for the simple and smooth implementation of automatic machine controls. These kits are available for all common system suppliers. Both laser and GPS systems can be used on the same machine. This makes the installation easier and offers the operator the highest level of flexibility in the selection of his system.

Modern design, comfortable new cab

The modern design of the generation 6 crawler tractors, with falling chassis edges on all sides and a panoramic glass pane, offers the operators an optimum all-round view of the terrain as well as the work equipment. The view over the engine hood is unobstructed, as the exhaust pipe was positioned behind the A-post.

The operator's cab in the Compact class integrates numerous features of the larger generation 6 machines. Travel and working hydraulics encoders make ergonomically safe handling possible thanks to the new T-shape and, as a result, more comfortable work. Thanks to the preselection of the desired driving speed directly at the joystick, the crawler tractor can be controlled precisely, in particular at lower speed. A safety lever is not needed, as the operator's presence is automatically identified by the integral contact switch. The new PR 716 Litronic also features a touch-controlled system display for Liebherr earthmoving machines. The operator is thus constantly informed about all key operating parameters. Key functions can be set and adjusted clearly and intuitively.

Special attention was paid to low noise emissions during the design stage. At 75 dB(A) in the operator's cab, the PR 716 is well below the legal requirements.

For optimum illumination of the working area, halogen headlights or high performance LEDs are used depending on the chosen equipment level.

Simple maintenance guarantees low operating costs

Central maintenance points, wide access flaps and engine compartment doors, a standard tilting driver's cab, as well as the swivel-mounted fans for cleaning, optimize maintenance access for servicing the new PR 716 Litronic.

The tried-and-tested hydrostatic travel drive practically works wear-free and is particularly reliable. Hydraulic oil change intervals of up to 8,000 operating hours reduce costs and minimize downtime.

The PR 716 has a standard 3-year / 5,000 operating hours warranty on the entire drivetrain. In addition, Liebherr offers special warranties as well as customized inspection and service programs.

The Liebherr data transfer system LiDAT provides comprehensive information on the operation of the machine, optimizing availability and machine efficiency.

Caption

liebherr-pr716-crawler-tractor.jpg

The design of the new Liebherr PR 716 crawler tractor offers outstanding visibility from all sides.

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