

Crawler Dozer

PR 746

Litronic®

Generation

8

Operating Weight

25,900 - 31,500 kg

Engine Output

190 kW / 258 hp

Stage V / Tier 4f



LIEBHERR

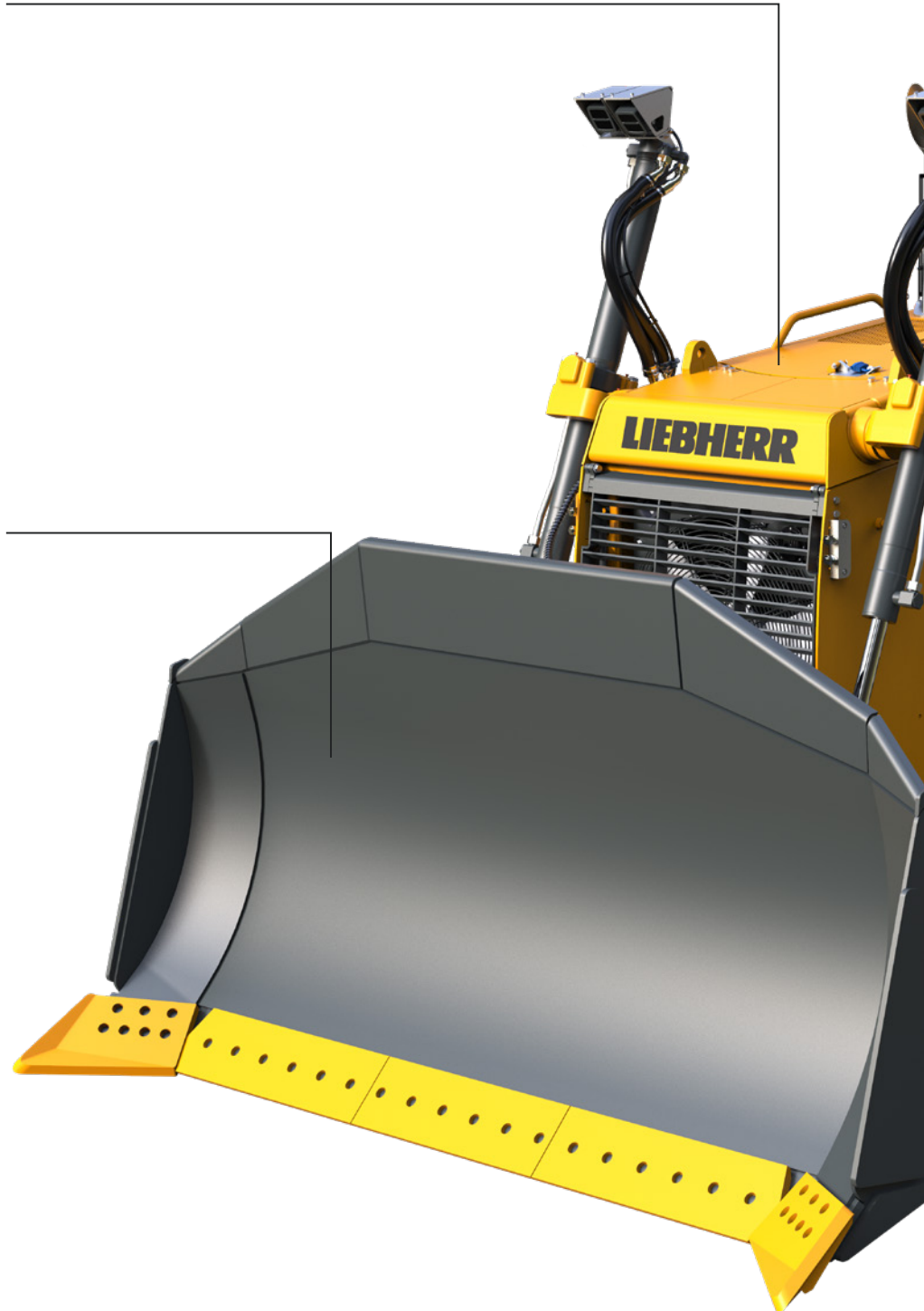
News

Lower emission levels in accordance with most recent legislation

- EVO-Generation high traction engine from Liebherr with increased rated output
- Exhaust gas after-treatment for EU Stage V with SCR filter
- Proven components for great endurance with minimal maintenance
- The hydrostatic drive with active hydraulic line adjustment ensures optimum pushing performance in demanding situations

Improved performance with the aid of Operator Assistance Systems

- Automatic **Free Grade & Definition Grade** blade control fitted as standard (see following pages)
- The assistance systems help the driver to work more effectively and create clean grades quickly





Optimum ease of use and working free of fatigue in the new cabin

- The ergonomic joysticks, the new rear ripper Auto Lift function and the hanging inch pedal can be individually adjusted to suit the driver
- The new 9" touch display is intuitive to use and has an impressive and significantly expanded functionality
- The self-regulating automatic climate control offers a pleasant interior climate and facilitates efficient working

Improved sound insulation in the cabin

- Hydro-elastic bearings reduce the transfer of structure-born noise from the base machine to the cabin
- The rigid connection through the pivot points to the base machine for tilting the cabin (for maintenance purposes) is decoupled for operation
- Powertrain components optimised for sound and vibration absorption measures reduce disruptive frequencies for the driver

Adjustment to match the individual driver through electronically controlled operating hydraulics

- The response behaviour for all directions of movement of the front and rear equipment can be individually adjusted to the driver to maximise ease of use
- New functions: Blade shaking and lifting of the rear ripper in the park position

Assistance Systems



Intuitive 9-inch Touch Display

- Clear overview of key machine parameters
- A wide range of driver-specific settings:
 - Responsiveness of operating hydraulics
 - Responsiveness of drive hydraulics
 - Automatic ECO Mode. Speed reduction and engine shutdown
- Liebherr Operator Assistance Systems control platform:
 - Liebherr Indicate: Real-time 3D position display
 - Free Grade: Active fine grading support
 - Definition Grade: Creating defined 2D surfaces

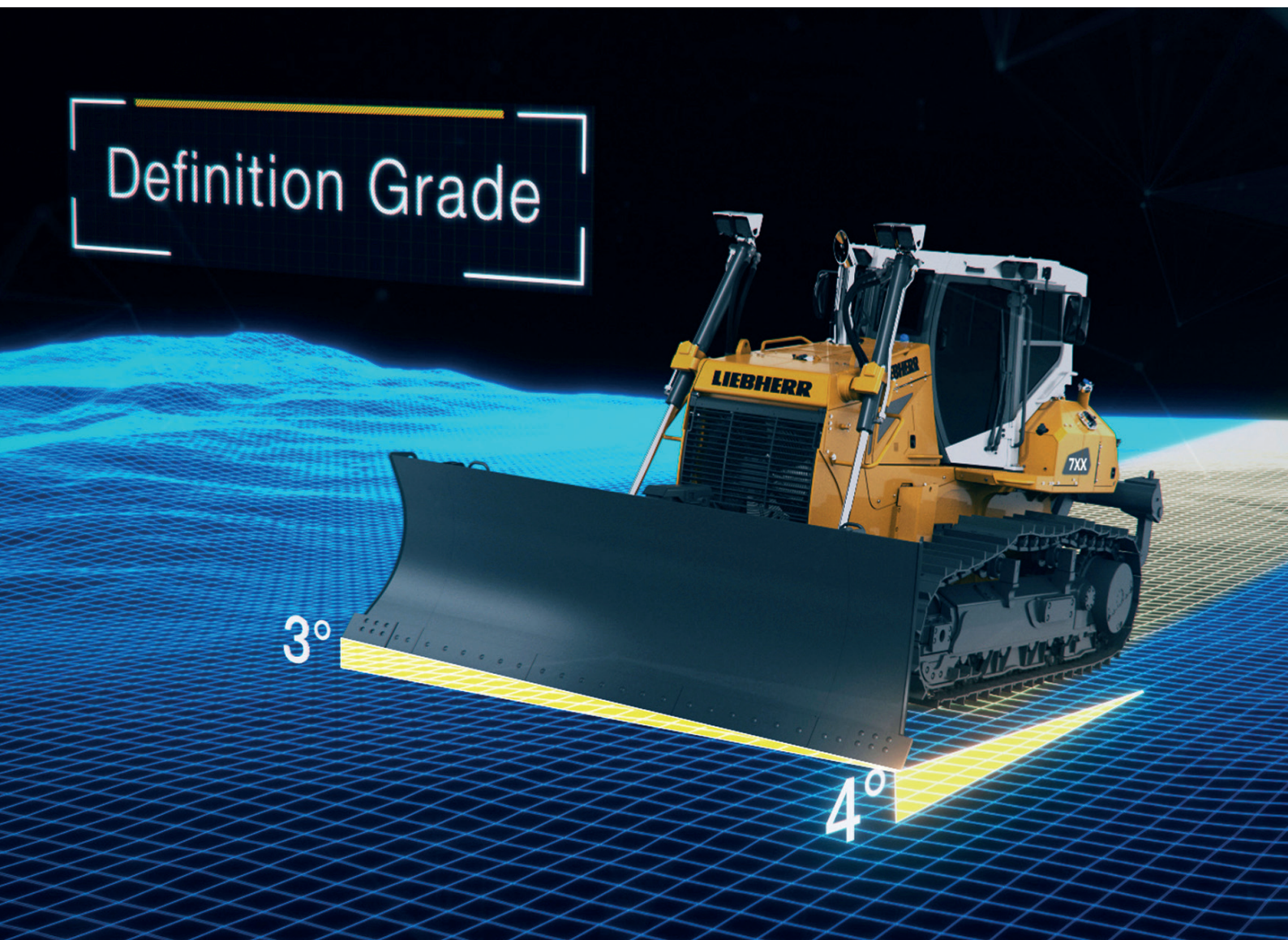
Free Grade



Free Grade – Blade Stabilisation

- Creation of a formation level: flat surfaces, ramps, dams etc.
- Active blade stabilisation (longitudinal grade / cross slop) when grading
- Increased productivity with simultaneous time saving
- Improved quality with less experienced operators, less stress for professional operators
- Greater safety on the construction site as the driver can keep his eye on the job in hand

Assistance Systems



Definition Grade – Blade Inclination Control

- Basic modelling of 2D surfaces
- Automatic / active position control of the blade to a specified target inclination
- Operation without additional equipment, such as GNSS receiver, base station, etc.
- Operation independent of local conditions, satellite reception, Internet, etc.
- Savings on costs (no additional equipment / hardware necessary)
- Increased productivity with simultaneous time saving
- Improved quality with less experienced operators, less stress for professional operators
- Greater safety on the construction site as the driver can keep his eye on the job in hand

Operating Hydraulics



Electronic Pilot Control of the Operating Hydraulics

- In comparison to conventional systems, electronic pilot control is less temperature dependent and enables precise operation and adaptation of the response behaviour.
- Electronic interface for assistance and grading functions (Free & Definition Grade)
- In addition, the electronic pilot controlled operating hydraulics facilitate energy efficient operation and minimise wear and tear on components.

The Liebherr group of companies



Great variety of products

The Liebherr Group is one of the largest construction equipment manufacturers in the world. Liebherr products and services are designed for purpose and also highly acclaimed in many other business sectors. These include refrigerators and freezers, equipment for aviation and rail transport, machine tools and cranes for the maritime sector.

Maximum customer benefit

A complete range of models in a variety of equipment versions are offered in all product sectors. Recognised for mature technology and renowned quality, Liebherr products offer the greatest operational benefits.

Technological expertise

In order to meet the high demands placed on the quality of its products, Liebherr attaches great importance to mastering core competencies itself. That is why important components, such as the complete drive and control technology for construction machines, come from our own development and production departments.

Global and independent

The Liebherr family business was founded in 1949 by Hans Liebherr. Since then, the company has grown into an industrial group with more than 41,000 employees working in over 130 companies and across all continents. The group's parent company is Liebherr-International AG in Bulle, Switzerland, whose shareholders are exclusively members of the Liebherr family.

www.liebherr.com

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