

### **Liebherr Launches Pulser Reachstacker Series: New Impulse for Terminals**

- Latest cargo handling solution from Liebherr
- Powerful engine in compliance with newest emission standards
- High-capacity hybrid drive Pactronic for more power
- LRS 545 is the first model out of the series

**Nenzing (Austria), June 2015 – Liebherr Maritime Cranes launches the new Pulser reachstacker series. The first model, type LRS 545, is the new efficient link between quay and yard, standing for productivity through agility.**

Eleven years after the delivery of the first Liebherr reachstacker, the manufacturer has developed a new machine for the market. The compact design of the Pulser series unites state-of-the-art technology and environmental-friendliness.

*“The Pulser reachstacker series is the new cargo handling partner for ports and terminals. Its wedge-shaped design provides the desired agility for smooth container operation. With the latest technology on board, the new machine truly quickens the pulse of every terminal,”* says Matthias Mungenast, Sales Director for Liebherr mobile harbour cranes and reachstackers.

#### **Giving a pulse to ports and terminals**

The LRS 545 is designed for highly responsive operation. The machine stacks five containers high in the first row. Moreover, it is capable of handling 45 tonnes in the first and 31 tonnes in the second row.

The LRS 545 comes with a total weight of approximately 70 tonnes, for an optimal balance between stability and quickness. It is equipped with a powerful but economical 4-cylinder 230 kW diesel engine. The in-house developed motor is in compliance with the latest EU Stage IV / EPA Tier 4 final emission standards.

An optional hybrid drive allows for even more power. Liebherr Maritime Cranes' unique Pactronic is available for the Pulser series. The well-proven hybrid power booster has already been used worldwide in mobile harbour cranes for five years. Installed in the new reachstacker, the maintenance-free Pactronic allows for an additional 110 kW without fuel consumption or emission.

### **Finger on the pulse of technology**

The complete design of the new reachstacker series is based on the latest technology in order to maximise driver's comfort, performance and eco-friendliness.

Driver's comfort has been high in rank during development phase. A convenient and ergonomic cabin reduces fatigue of the driver and leads to more safety as well as performance in operation. The customer can opt for a steering wheel or go for an additional steer-by-wire control. *"Visibility, driveability and comfort, that's what drivers can expect from our new Pulser series. This allows for high performance in a relaxed manner,"* says Matthias Mungenast.

The drive mechanism of the new machine is characterized by a hydrostatic transmission. This allows for stepless speed control with optimized diesel revolutions per minute, which means operators benefit from reduced fuel consumption. Moreover, the hydrostatic transmission requires less service than alternative concepts.

Each wheel of the new reachstacker is steered separately, which directly improves the agility of the machine as smaller radii are possible. Thanks to individual wheel drive, wear and tear of each tyre is reduced. Additionally, the stress on each component of the steering system is kept as low as possible for a longer service life.

The new reachstacker is designed for low maintenance. However, if a service is required, two facts ensure peace of mind for operators: First, every part of the machine is easily accessible and within reach, for a fast and stress-free service. Second, with almost 6,000 units delivered, Liebherr Maritime Cranes provides a well-structured global service network with shortest response times.

The new strong link in the logistic chain of ports and terminals perfectly complements Liebherr Maritime Cranes' comprehensive portfolio. The Pulser range will be further expanded in the long run.

**Caption**

The first model out of the Liebherr Pulser reachstacker series: the LRS 545.

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