

# 100 %

## output...



# LIEBHERR

# Energy-efficient machines from Liebherr.



LH 26 M Litronic

## Engine

Liebherr diesel engines set the standard for fuel consumption in their power class.

They boast excellent fuel efficiency, long service and high torque. Maximum power is produced even at low revs. The result is less stress on the components while maximum performance is retained, and the lower engine speed reduces fuel consumption.

## Optimally matched components

Key components such as the diesel engine, hydraulic components, electronics components, slewing ring and swivel drive are developed and produced by Liebherr itself. The great depth of in-house manufacturing guarantees maximum quality and provides for optimal configuration of components.



LH 35 M Litronic



LH 80 M Litronic

## Modes for all areas of work

A broad range of preset modes allows the driver to adjust the power of the machine quickly and simply to suit the current work situation.

### S (Sensitive):

Mode for especially sensitive work or for lifting loads.

### E (ECO):

Mode for especially economical and eco-friendly work.

### P (Power):

Mode for high performance and low fuel consumption.

### P+ (Power-Plus):

Mode for maximum performance and for very arduous operations, suitable for continuous operations.

In addition, the engine speed can be freely adjusted to the operating conditions with a rotary switch.



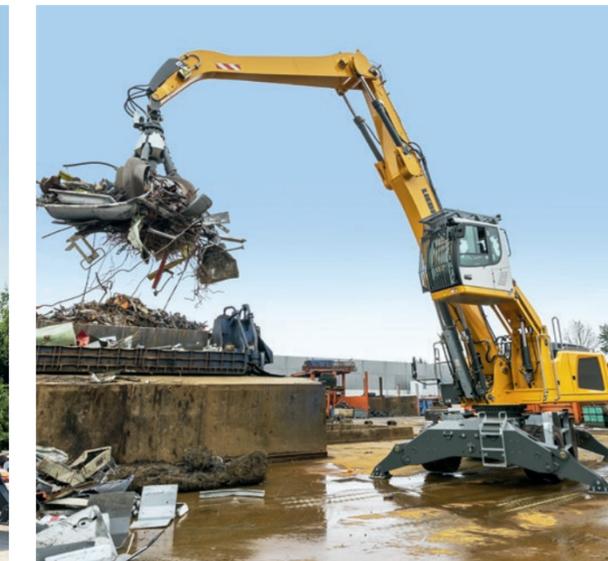
LH 22 M Litronic

## The ERC system

The energy storage cylinder is a storage system which works independently of the engine. The system performance of the material handler with ERC system fitted from the size class LH 40 comprises the installed engine output and the energy storage cylinder. Lowering the equipment compresses the gas stored in the cylinder. When it is raised, the energy from the ERC system is made available in addition to the power output of the diesel engine. This is reflected in powerful, homogeneous operating cycles. The ERC system provides for more handling capacity and at the same time for lower fuel consumption.

## Automatic idling function

The standard idling function lowers the engine speed to idle as soon as the driver takes his hand from the joystick, so that no hydraulic function is activated. Proximity sensors in the joystick levers restore the original engine speed as soon as the driver's hand is moved towards the lever again. This ensures that the set engine speed is available as soon as the lever is touched. The result is a combination of fuel saving and reduced noise levels. Operating costs can be reduced even further with the optional automatic engine cut-off function.



LH 40 M Litronic

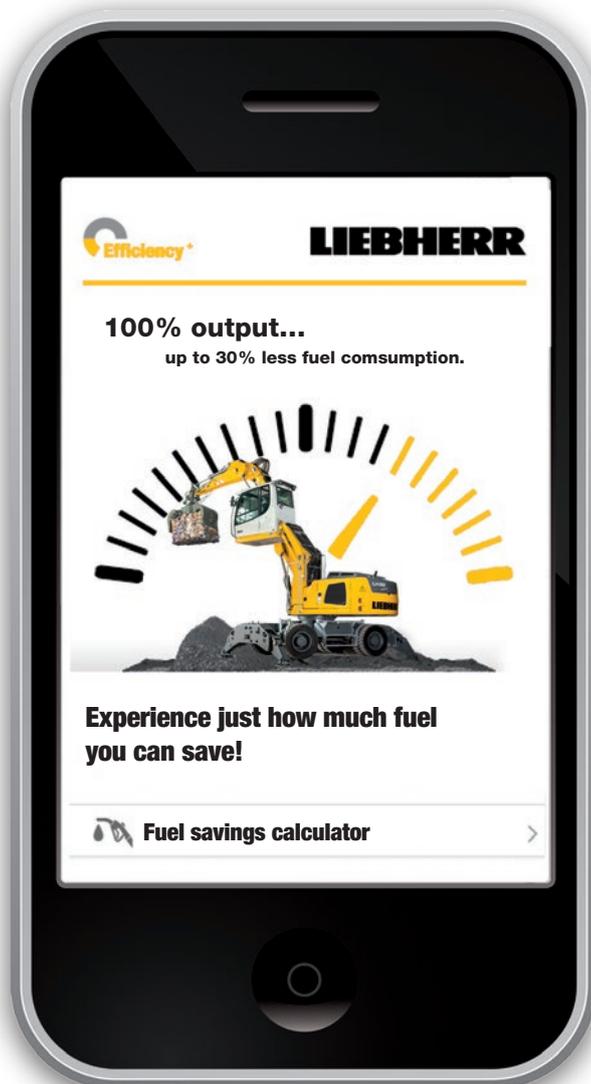
up to **30 %**  
**less fuel**  
**consumption.**



## Liebherr-Power Efficiency

The Liebherr Power Efficiency (LPE) system, developed by Liebherr, regulates all power management processes in the machine. Pro-active intervention in the engine management system, adjustment of the swing angle of the hydraulic pump and of the engine speed, provide for optimum efficiency of the drive components in every working situation. Liebherr Power Efficiency (LPE) allows maximum work performance to be attained from every drop of fuel.

# Experience just how much fuel you can save.



Scan the QR code now and check how much fuel you could save with the energy-efficient machines from Liebherr. On the mobile website you will find an up-to-date comparison of the fuel consumption data between our different machines. This data is collected using LiDAT, the comprehensive Fleet and Plant management system from Liebherr.



[m.efficiencyplus.liebherr.com](http://m.efficiencyplus.liebherr.com)

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