



# PICK & CARRY MACHINE



with electric travel drive GED



209 kW /  
1,750 rpm



43.9 t



11.3 m



MAX CAB

Stage V

# 735E

## The unique.

### Technical details

- Power: 209 kW / 1,750 rpm
- Operating point: 199 kW / 1,700 rpm
- Delivery rate: max. 600 l / min
- Operating pressure: up to 350 bar
- Speed: 0-20 km / h variable
- Load capacity: 6.4 t with max. 11 m reach (4 m height); 7.8 t with 9 m reach (3 m height)
- Recommended grab: 3.2 m<sup>2</sup>

### The concept

- Clear view from inside the cab thanks to the rear-hinged boom
- High load capacities with low dead weight - only low rear ballast required
- Always driving forward thanks to 360° rotatable uppercarriage
- Optimal maneuverability in between narrow log stacks

### The profitability

- Integrated power management: Intelligent control of energy flows when driving and operating
- Relief for diesel engine through recuperation of braking energy
- Low heat generation and saving engine power for system cooling
- Optimal operation in component-friendly range for a long product lifetime

### The comfort

- Maximum operator comfort with parking brake and hill start assist
- Operator assistance systems with automatic detection and switching of driving and steering directions

### The safety

- Robust all-round protective guard on the cab for maximum safety when working with timber logs
- Secure access to the operator's cab thanks to non-slip treads and sturdy handles
- Maximum stability provided by eightfold tires



# IMPRESSIVE EXPERIENCE WITH THE ELECTRIC DRIVE



■ **Low operating and service costs**

Whilst giving the same performance, the 735 GED saves up to 30% in energy, reducing operating and service costs on a large scale over the entire product life cycle.

■ **Impressive handling**

Thanks to the electric drive engines, the system responds optimally when starting up and positioning the machine – more dynamic and precise.

■ **Valuable emission reductions**

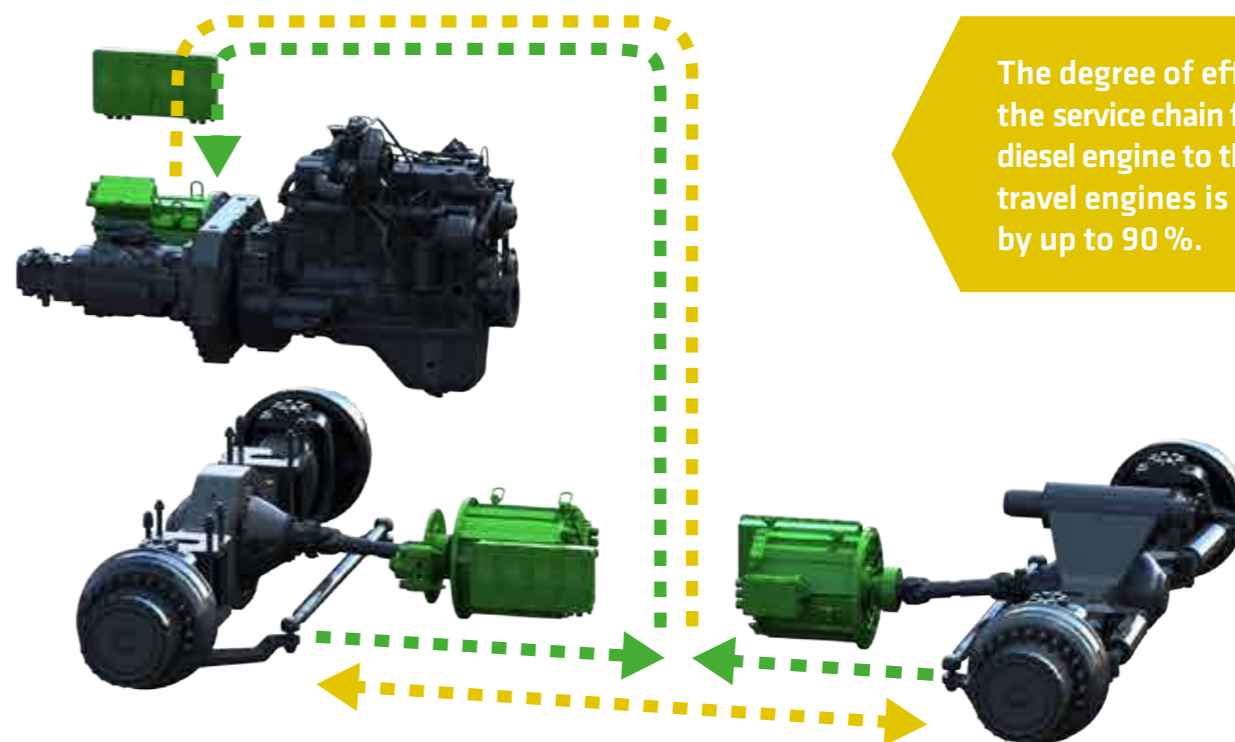
The small engine size and the resulting low consumption ensure impressive emission reductions that are friendly to both operations and the environment.

■ **Quiet operation**

The electric drive reduces vibrations and noise in the cab – for pleasant and quiet operation in noise-sensitive areas.



# ENERGY RECOVERY VIA ELECTRIC TRAVEL DRIVE



The degree of efficiency in the service chain from the diesel engine to the electric travel engines is increased by up to 90%.

## EFFECTIVE WHEN ACCELERATING AND DRIVING

The high efficiency of the system with its optimum conversion of the drive energy reduces the required power of the diesel engine. Furthermore, the modern system components generate significantly less heat, which also reduces the cooling capacity required. In total, when accelerating and driving with a smaller diesel engine combined with the electric travel drives, even higher working dynamics can be achieved compared to the hydrostatic system.

## OPTIMUM USE OF BRAKE ENERGY THROUGH RECUPERATION

During deceleration, the electric drive engines act as generators so that the machine brakes. The energy generated is fed back and used to drive the generators. This relieves the diesel engine and supplies all auxiliary equipment with the energy they require. The recuperated energy can also be stored for a short time, thus increasing the drive power.



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