Customisation and versatility in a modular system.

The developers at Terex® Fuchs have devised a mobile material handler that can be tailored to the customer’s specific requirements. Customisation and versatility are thus guaranteed.

The modular concept: All components designed to work together perfectly
Because of the modular design of the Pick&Carry machine, individual customer requirements can be met quite precisely. While its superstructure is from the MHL331 production model, the machine has been fitted with undercarriage from the MHL434 range. A full range of options is available for upgrade or conversion from the standard machine. A fixed or height-adjustable cab, support panel(s), 2- or 4-point support are just a few of the components that can be combined in the machine. This means custom-design machine solutions for efficient practical deployment to suit each individual scenario.

Mobile even fully loaded so everything is under control
The MHL434 undercarriage with special HD axles and extremely robust tyres allows heavy loads to be moved quickly and safely. Due to the specially designed drive unit, speeds of up to 20 km/h can be achieved even with a fully loaded grab. Large quantities of material can therefore be shifted in a short period of time. In its unsupported state, the square supporting structure (distance between wheels and track width are equal) ensures complete stability in all directions, even with maximum projection.
Equipment and performance data at a glance

Service weight ▶ 22 – 25 tonnes

Engine ▶ The highly efficient COM III/EPA Tier III (114 kW at 2000 rpm) is a very frugal diesel engine and is characterized by very low operating costs.

Projection ▶ The machine’s maximum projection is 11 m (a 12 m option is also available).

Cab ▶ The machine is available with a fixed or height-adjustable cab, according to operating needs and required viewing level.

Heavy load transport ▶ With special HD axles and extremely robust tyres, the MHL434 undercarriage can move the heaviest loads quickly and safely.

All-wheel steering ▶ All four wheels turn on one axis, resulting in an extremely small turning circle. This limited space requirement makes the MHL334 D Pick&Carry highly versatile.

Joystick control ▶ The steering wheel has been replaced with a joystick. The machine is steered via a rocker switch in the joystick. Drivers keep their hands on the joystick throughout – no need to change hand position. This makes working significantly safer and noticeably more efficient.

Undercarriage ▶ In addition, four different support options for the undercarriage are available. This modularity gives customers the opportunity to design the support system specifically for their own requirements.

Support panel ▶ The MHL334 Pick&Carry features a support panel as standard on its rear axle; a similar panel is available as an option for the front axle. By using the support panel, the support surface can be significantly increased, providing a considerably higher load capacity – for example when loading/unloading lorries. The panel can also help to clear the path ahead and pile up timber.

Modular design ▶ All the options from the MHL331 superstructure and the MHL434 undercarriage can be combined, so that the machine can be matched to customer-specific requirements.
## Application Areas and Load Capacities

**Height and projection in metres [m]**  
**Load values in tonnes [t]**

The lift capacity values are stated in metric tons (t). The pump pressure is 360 bar. In accordance with ISO 10567 the lift capacity values represents 75% of the static tipping loads or 87% of the hydraulic lifting force (marked “°”). On solid and level ground the values apply to a swing range of 360°. The (...) values apply to the longitudinal direction of the undercarriage. The “unsupported” values apply across the front and rear axle or where a swing axle is locked. The values in brackets and marked ** apply with a rear support panel. The weights of the attached load hoisting equipment (grab, load hook, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. Hoisting operations must be carried out only when the machine is parked. For machines with overload warning or overload cut-off device, the warning or cut-off relates to un-bracketed values.

<table>
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<th>Height [m]</th>
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<th>6</th>
<th>7.5</th>
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<td>(6.4°)**</td>
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Max. reach 11.05 m

2.06 unsupported

2.2 (2.6)

(2.9)**
DIMENSIONS
All dimensions in mm

TRANSPORTATION DIMENSIONS
All dimensions in mm

www.terex-fuchs.com

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