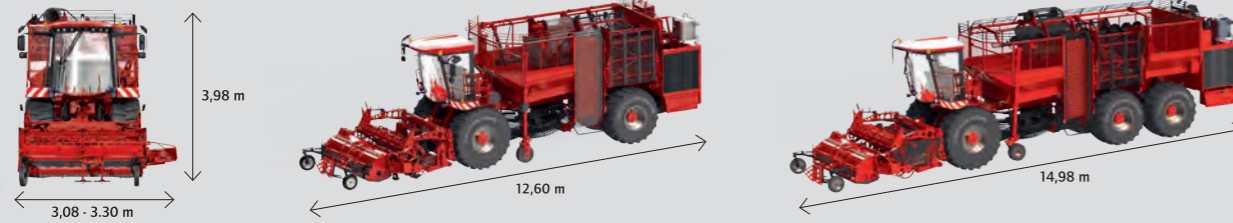


# Technical data



	Terra Dos T4-30	Terra Dos T4-40
<b>Engine:</b>	Mercedes Benz OM473LA diesel engine, 6 cylinders, exhaust standard Tier 4 final /EuroMot 4 with SCR technology (AdBlue)	
<b>Output/piston, displacement/torque:</b>	460 kW (626 HP), piston displacement 15.6 l, torque 2900 Nm	
<b>Travel drive:</b>	<ul style="list-style-type: none"> <li>• 2 powered mechanical axles</li> <li>• First axle hydraulically powered by a high-efficiency bent-axis motor</li> <li>• Second axle hydraulically powered by a high-efficiency bent-axis motor</li> </ul>	<ul style="list-style-type: none"> <li>• 3 powered mechanical axles</li> <li>• First axle hydraulically powered by a high-efficiency bent-axis motor</li> <li>• Second axle hydraulically powered by a high-efficiency bent-axis motor</li> <li>• Third axle powered by a fixed drive on the second axle</li> </ul>
<b>Axles:</b>	<ul style="list-style-type: none"> <li>• front: planetary portal steering axle with slope stabilization system</li> <li>• rear: planetary steering axle</li> </ul>	<ul style="list-style-type: none"> <li>• front: planetary portal steering axle with slope stabilization system</li> <li>• Middle: planetary steering axle</li> <li>• rear: spring-mounted, oscillating planetary steering axle, automatic hydraulic ballast function</li> </ul>
<b>Differential locks:</b>	all axles with switchable locks	
<b>Driving speeds:</b>	<ul style="list-style-type: none"> <li>• 1. gear: 0-13 km/h incremental</li> <li>• 2. gear: 0-40 km/h incremental</li> <li>• Cruise Control in 1st and 2nd gears</li> </ul>	
<b>Hydraulic system:</b>	<ul style="list-style-type: none"> <li>• Stiebel pump distribution drive with coupled pump lines for optimal consumption</li> <li>• Load-sensing working hydraulics</li> </ul>	
<b>Topper units:</b>	<b>KOS toppers</b> in the following models <ul style="list-style-type: none"> <li>• KOS I (I=Integral topper)</li> <li>• KOS KO (KO=can be switched from leaf centrifuge to integral function)</li> <li>• KOS EB (defoliator) with 2 counter-rotational cleaning shafts</li> </ul>	
<b>Leaf recovery:</b>	<ul style="list-style-type: none"> <li>• using a leaf belt</li> <li>• Installed with fast-coupling system for the KOS KO toppers</li> <li>• Includes leaf belt vehicle for road transport</li> <li>• Loading height 3.70 m (optional 4.00 m)</li> </ul>	
<b>Scalpers:</b>	<b>Parallel scalper with automatic cutting thickness control:</b> <ul style="list-style-type: none"> <li>• Scalper thickness of all blades can be set centrally from the driver's seat.</li> <li>• HOLMER DynaCut scalper for faster response times and economically optimized cutting defoliating (including at high lifting speeds)</li> </ul>	
<b>Lifter unit:</b>	<b>HR lifter (6 rows) with adjustable height roller track and single-row units in the following models:</b> <ul style="list-style-type: none"> <li>• HR 45 (consistent 45 cm row spacing)</li> <li>• HR 50 (consistent 50 cm row spacing)</li> <li>• VHR (variable row spacing 45; 47.5; 48; 50 cm)</li> <li>• Lifting unit can be adjusted to the left or right of the vehicle</li> <li>• EasyLift: Automatic depth control of the individual rows (optional)</li> </ul> <b>MR lifter with adjustable-height roller track and single-row units in various numbers of rows and row spacing, up to a working width of 5.00 m</b> <ul style="list-style-type: none"> <li>• Combined with integral toppers and the HOLMER EasyConnect fast coupling system, as well as a transport vehicle for road transport</li> <li>• 70 mm linear side to side motion of all share pairs toward one another</li> <li>• EasyLift: Automatic depth control of the individual rows (optional)</li> <li>• Reversible lifter rolls, automatic reversing system</li> </ul>	

<b>Cleaning:</b>	<ul style="list-style-type: none"> <li>• 6 long helical rollers (for MR: 7 long helical rollers) and 4 short helical rollers</li> <li>• Reversible <b>900 mm transfer web</b> made of continuous material, divided into 50, 60 and 70 mm</li> <li>• 3 turbines with automatic speed monitoring and adjustment</li> </ul>	
<b>Grates:</b>	<ul style="list-style-type: none"> <li>• Partial segment grates or spring-tine grates, combinable, also available with fast-swap frames</li> <li>• Height can be adjusted centrally and incrementally from the driver's seat, with display at the terminal</li> </ul>	
<b>Elevator:</b>	<ul style="list-style-type: none"> <li>• Dual cam industrial straps with forged steel actuators - 1000 mm wide</li> <li>• Incremental speed regulation</li> </ul>	
<b>Beet distribution in holding tank:</b>	<ul style="list-style-type: none"> <li>• can be switched automatically using ultrasound sensors, as well as manually</li> <li>• Electronic fill-level monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• 2-zone holding-tank auger with claw coupling and free range of motion</li> </ul>
<b>Slat conveyors:</b>	<ul style="list-style-type: none"> <li>• 1 transverse and 1 longitudinal slat conveyors, each with 4 high-strength tempered drive chains, drive system centrally lubricated</li> <li>• Automatic hydraulic chain tension</li> </ul>	<ul style="list-style-type: none"> <li>• 2 transverse and 1 longitudinal slat conveyors, each with 4 high-strength tempered drive chains, drive system centrally lubricated</li> </ul>
<b>Unloading:</b>	<ul style="list-style-type: none"> <li>• Automatic and manual control possible</li> <li>• Discharge elevator, transverse and longitudinal slat conveyors with adjustable speed</li> <li>• 30 m³ in approx. 40 sec</li> </ul>	<ul style="list-style-type: none"> <li>• 45 m³ in approx. 50 sec</li> <li>• Optimal loading of the discharge elevator through longitudinal slat conveyors that feed in from both sides</li> </ul>
<b>Discharge elevator:</b>	<ul style="list-style-type: none"> <li>• With 2 hydraulically bent articulated parts (XL discharge elevator)</li> <li>• Discharge height can be programmed via memory function</li> <li>• Contour: discharge elevator is retracted during the lifting process</li> <li>• Width: 1.85 m</li> <li>• Loading option also available during the lifting process, to transport vehicles</li> <li>• Adjustable discharge elevator speed while emptying the tank during the lifting process</li> </ul>	
<b>Comfort cabin:</b>	<ul style="list-style-type: none"> <li>• Fully glazed, Continuous front pane with low pane edge</li> <li>• Hinged windows</li> <li>• Automatic climate control, Radio with CD player, MP3, Bluetooth (optional)</li> <li>• Hydrodynamic cabin suspension for optimal noise and vibration insulation</li> <li>• USB port for importing and exporting customer data</li> <li>• Innovative operating concept <b>HOLMER SmartDrive</b></li> <li>• Intuitive touchscreen terminal HOLMER EasyTouch</li> <li>• Ergonomic multi-function lever and Jog Dial for easy control of terminal</li> <li>• Settings for topper, lifter and cleaning can be saved (6 pre-sets)</li> </ul>	
<b>Camera system:</b>	up to 6 cameras; HOLMER TopView 360° panoramic view	
<b>Illumination:</b>	<ul style="list-style-type: none"> <li>• 28 LED and xenon worklights</li> <li>• Xenon and LED spotlights in the front and back (optionally 4x Powerbeam 3000)</li> </ul>	
<b>Warning system:</b>	<ul style="list-style-type: none"> <li>• Monitoring of speed and pressure of all lifter and cleaning elements in the terminal</li> <li>• Hydraulic oil and engine monitoring via the terminal and acoustic warning signals</li> </ul>	
<b>Steering (preselectable steering combinations):</b>	<ul style="list-style-type: none"> <li>• Four-wheel steer, turn steer, diagonal steer, automatic steering control, combi steer</li> <li>• On-road driving with articulated steer (up to 13 km/h)</li> </ul>	
<b>Central lubrication:</b>	Electronically controlled (BEKA MAX)	
<b>Fuel tank:</b>	Approx. 1,150 l (91 l AdBlue tank) with separate connection for tank-vehicle filling	
<b>Holding tank volume:</b>	Approx. 30 m³ / 21 t	Approx. 45 m³ / 31 t
<b>Loading height:</b>	4.50 m	
<b>Length overall:</b>	12.94 m	14.98 m
<b>Width overall:</b>	3.08 m with row spacing of 45 cm or 3.30 m with row spacing of 50 cm or 45-50 cm	
<b>Height overall:</b>	3.98 m	
<b>Axle spacing:</b>	5.7 m	5.7 m / 2.1 m
<b>Tyres / tyre pressures (with a full holding tank):</b>	<ul style="list-style-type: none"> <li>• front: IF 800/70 R38 1.6 bar</li> <li>• rear: 1050/50 R32 2.5 bar</li> </ul>	<ul style="list-style-type: none"> <li>• front: IF 800/70 R38 1.4 bar</li> <li>• middle: 1050/50 R32 1.9 bar</li> <li>• rear: 1050/50 R32 1.9 bar</li> </ul>
<b>Cleaning distance:</b>	approx. 15.00 m	
<b>Lifter performance:</b>	up to 2.5 ha/h (higher with MR lifter unit)	
<b>Inner turning circle:</b>	6.50 m	
We reserve the right to changes in line with technical progress; approved by TÜV (Technical Supervisory Body) and the Trade Associations; in conformance with CE regulations		