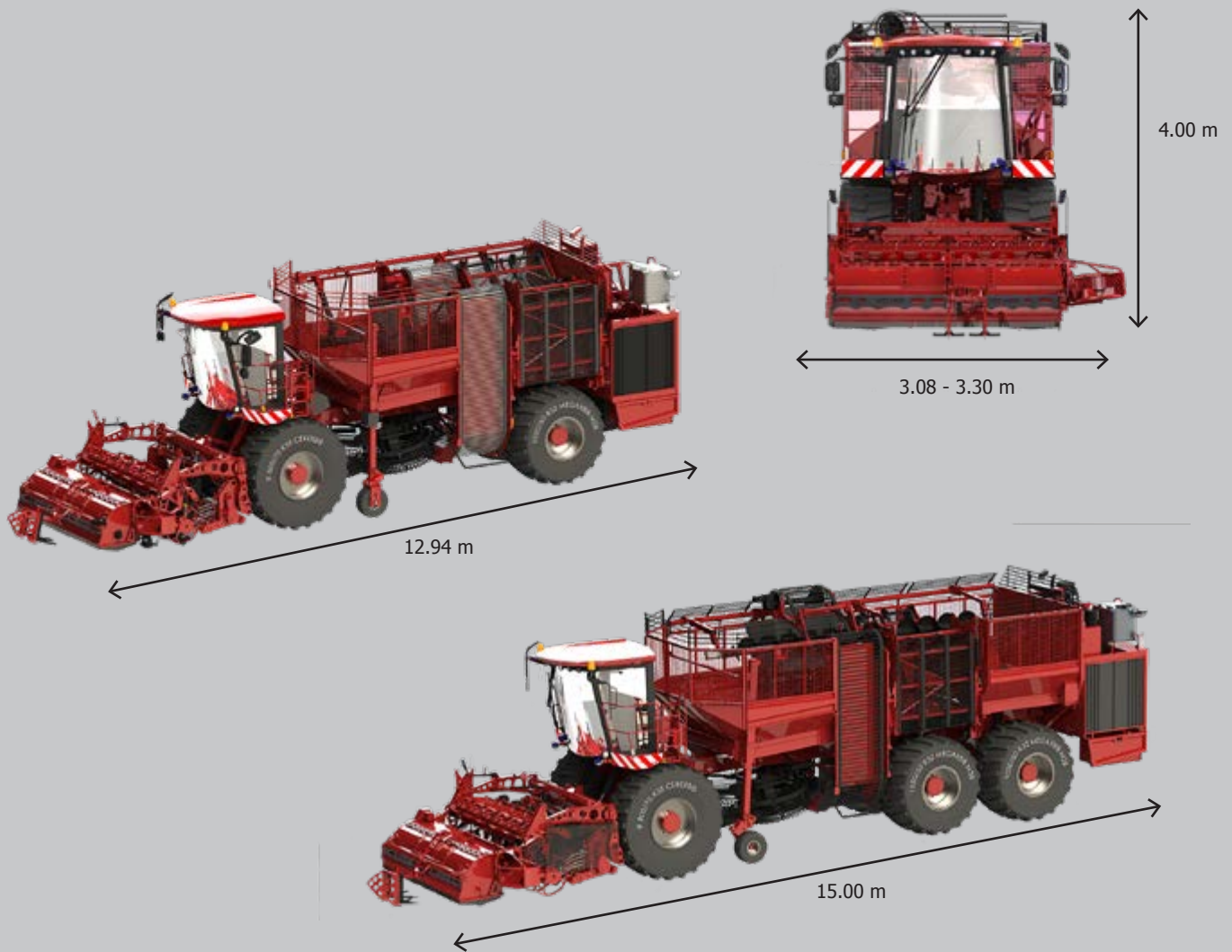


# Technical Data

	Terra Dos T4-30	Terra Dos T4-40
<b>Engine</b>	Mercedes-Benz OM 473 LA, exhaust gas standard Tier 4 final incl. AdBlue and SCR-Kat	
Cylinder	R-6	
Piston displacement	15.6 l	
Rated engine speed	1,700 rpm	
Rated power at 1,700 rpm	460 kW/ 626 PS	
max. torque at 1,300 rpm	2,900 Nm automatic, hydraulic fan reversing	
Fuel tank capacity	approx. 1,150 l, additional connection for tank truck filling	
AdBlue tank capacity	approx. 95 l	
<b>Propulsion</b>	<p>Hydrostatic propulsion</p> <p>Single axle hydraulically powered on front and rear axle. each via bent-axis motor incl. pre-loaded planetary gear</p> <p>Single axle hydraulically powered on front and middle axle. each via bent-axis motor incl. pre-loaded planetary gear Rear axle powered by drive shaft of middle axle</p> <p>Automatic adaptation of the lead depending on the slop gradient during harvesting and while turning. Zero lead during road driving Automatic calibration with detached or attached harvester (HR 8,9,12) Changes from field drive to road drive mode with phase-shifted Shift-On Fly</p> <p><b>Driving speeds</b></p> <p>1st Gear: 0 to 13 km/h, continuously variable 2nd Gear: 0 to 40 km/h, continuously variable Automotive driving mode incl. automatic speed reduction and tempomat (1st and 2nd gear)</p>	
<b>Axes</b>	front: planetary portal steering axle with slope stabilisation system rear: planetary steering axle	front: planetary portal steering axle with slope stabilisation system Centre: planetary steering axle rear: ring-mounted, oscillating planetary steering axle, incl. automatic hydraulic balancing and slop stabilisation
Differential locks	all axles with switchable locks	all axles with switchable locks
<b>Chassis</b>	<p>Steering modes</p> <p>Central tube frame, front car designed as articulated part Four-wheel steer, turn steer (incl. articulated), four-wheel steer, Diagonal steer left/right, 2 levels selectable, and combi steer Automatic steering via leaf button or coulter body including mix controls On-road driving with articulated steer (up to 13 km/h) sprung comfort cab (Terra Dos T 4-30: 3rd and 4th axle; Terra Dos T 4-40: only 4th axle) for road driving, height-adjustable for driving over fields</p>	
<b>Tyres</b>	front: 800/70 R 38 rear: 1050/50 R 32	front: 800/70 R 38 Centre: 1050/50 R 32 rear: 1050/50 R 32
<b>Brakes</b>	<p>Service brake</p> <p>hydraulic drum brake</p> <p>Parking brake</p> <p>Spring-loaded parking brake</p>	
<b>Hydraulic system</b>	<p>Hydraulic tank capacity</p> <p>150 l Stiebel pump distributor gears including pressure circulation lubrication Load-sensing work hydraulics 5 x closed hydraulic circuits 5 x axial piston pumps (Danfoss) Additional pressure filter system hydraulic main harvest drive</p>	
<b>HOLMER EcoPower</b>	<p>Diesel engine and traction drive management with characteristic control Lifts at low engine speed from 1,150 rpm load-shifting lamellar clutches for decoupling pump lines during road driving</p>	
<b>Power supply</b>	<p>24 V alternator 150 A central, modular structure of the on-board electronics in circuit board construction water-resistant and vibration-resistant incl. plug systems with secondary locking 2 x 12 V sockets (cab) 1 x 24 V sockets (engine area)</p>	

<b>Cabin</b>	<p>Fully glazed  Continuous front pane with low pane edge  Hinged windows  2 x windscreen wipers including interval and wash function  Stereo CD radio with Bluetooth hands-free system  Automatic climate control  Soundproofing  Hydrodynamic cabin suspension for optimal noise and vibration insulation  Tinted rear window  GRAMMER aktiv seat</p>
Innovative operating concept HOLMER SmartDrive	<p>12.1 inch HOLMER EasyTouch touchscreen terminal  Ergonomic multi-function arm rest incl. joystick and jog-dial can be operated and saved with quick access key settings of all units via softkeys  Preset function for all modifiable functions  Settings for topper, lifter and cleaning can be saved (6 pre-sets)  Quick access keys integrated into the side arm console  Fault memory function and diagnostics menu including export via USB interface  Armrest on the left for discharge elevator control and hopper emptying incl. automatic emptying function over rotary potentiometer</p>
<b>Illumination</b>	
Headlights	<p>2 x dipped-beam headlights LED (1,950 lm)  2 x high-beam headlights LED (1,950 lm)  2 x rear lights in full LED technology and dynamic indicators</p>
Work lights	<p>4 x LED (1,800 lm) cab  4 x LED (3,400 lm) cab  2 x LED (3,000 lm) cab, bottom side  2 x LED (1,800 lm) harvester  2 x LED (1,800 lm) topper  2 x LED (1,800 lm) cleaner  4 x LED (1,800 lm) bunker  2 x LED (1,800 lm) rear axle  2 x LED (1,800 lm) unloading belt  2 x LED (3,000 lm) tail top  2 x LED (1,800 lm) tail bottom  2 x all-round lights  energy-saving LED engine compartment lighting</p>
<b>Camera system</b>	<p>up to 6 cameras  HOLMER TopView 360° panoramic view (optional)</p>
<b>Centralised lubrication</b>	<p>BEKA-MAX electronically controlled  Intermittent lubrication and manual actuation can be set over the terminal</p>
<b>Topper units</b>	<p>Free wheel incl. automatic height control and safety lifting function  Height adjustment in cm adjustable via joystick  Fast lifting at the push of a button on the joystick</p> <p>Models:  HS I (I=Integral topper), 6 to 12 rows  HS KO (KO = can be switched from leaf centrifuge to integral function), only 6 rows</p> <p>Optional for HS I and HS KO:  Combi-defoliator with 2 counter-rotational cleaning shafts after the scalper, 6 to 12 rows available for row spacing of 45 to 50 cm, inch distances possible</p>
Leaf recovery	<p>using a leaf belt  installed with fast-coupling system for the KOS KO toppers  incl. leaf belt vehicle for road transport  Loading height 3.70 m (optional 4.00 m)</p>
<b>Scalpers</b>	<p>HOLMER DynaCut – weight-optimised parallel scalper with automatic cutting thickness  Scalper thickness of all blades can be set centrally from the driver's seat  agile scalper behaviour with faster response times with highly fluctuating beet volumes  optimised cutting defoliating (including at high lifting speeds)  Preload by spring on the unit - adjustable n 3 steps  Scalper combs and knives, reinforced</p>
<b>Lifter unit</b>	<p>independently adjustable single row units  Roller track with 7 lifting and cleaning rollers, height adjustable  4 short lifting and gathering rollers  Automatic reversing of the last lifting rollers  adjustable speed of the lifting rollers (300-600 rpm)  automatic depth control via feeler wheels, adjustable lead</p>

	<p>Automatic side slope over slope sensor  Reversible lifter rollers, reversing system  Hard metal-coated coulters as standard  Reinforced lifter rollers as standard  70 mm lateral movability of all coulters bodies  EasyLift: automatic single-row depth guide (series for working widths over 3.30 m)  Lifting process at the touch of a button via HOLMER TerraControl, pre-application management can be enabled including lowering / lifting and switching the lifter on and off</p> <p>Models:  HR 6 to 12 available with 45 cm row spacing, constant  HR 6 to 12 available with 50 cm row spacing, constant  VHR 6 available with variable row spacing 45; 47,5; 48; 50 cm  Lifting unit HR 6 and VHR 6 can be automatically adjusted to the left or right of the vehicle</p> <p>Lifting unit with over 3.30 m working width:  Model with 180° foldable integral slider for transport position (road transport)  HOLMER EasyConnect fast coupling system  Transport vehicle with suspension for road transport</p>	
<b>Cleaning</b>		
Transfer web	Reversible 900 mm transfer web made of continuous material, divided into 50, 60 and 70 mm	
Turbine system	<p>1st turbine with 1,700 mm diameter  2nd turbine with 1,550 mm diameter  3rd turbine with 1,550 mm diameter</p> <p>adaptive cleaning with automatic speed monitoring and adjustment  External actuation  Wear-resistant turbine, double-tine, forged  Rubber carrier on first turbine for increased conveying power (optional)</p>	
Grates	Partial segment grates or spring-tine grates, combinable, also available with fast-swap frames the height of all screen grates can be adjusted centrally and incrementally from the driver's seat, with display at the terminal	
<b>Elevator</b>	<p>Width 1,000 mm  Dual cam industrial straps with forged steel actuators  Incremental speed regulation</p>	
<b>Holding tank</b>		
Filling	Electronic fill-level monitoring over 2 ultrasound sensors Automatic holding tank filling can be switched manually	2-zone holding tank auger with freewheel coupling
Slat conveyors	1 transverse and 1 longitudinal slat conveyor, each with 4 high-strength tempered drive chains Drive system centrally lubricated Automatic, hydraulic chain tension Screwed cassette bottom	2 transverse and 1 longitudinal slat conveyor, each with 4 high-strength tempered drive chains Drive system centrally lubricated
Unloading	Automatic and manual control possible Pressure-controlled scraper floor control Automatic control of the transverse and longitudinal slat conveyors with adjustable speed 30 m <sup>3</sup> in approx. 40 sec.	45 m <sup>3</sup> in approx. 50 sec. Optimal loading of the discharge elevator through longitudinal slat conveyors that feed in from both sides
Discharge elevator:	<p>With 2 hydraulically bent articulated parts (XL discharge elevator)  Discharge height can be programmed via memory function  Memory function for position of last articulated part  Contour: discharge elevator is retracted during the lifting process  Width: 1.800 mm  Loading to transport vehicles during the lifting process:  Automatic loading using HOLMER EcoPower  Maximum loading power during lifting process  Speed of discharge elevator can be controlled while unloading during the lifting process</p>	
<b>Hopper volume</b>	ca. 30 m <sup>3</sup> /21 t	ca. 45 m <sup>3</sup> /31 t
<b>Loading height</b>	4.00 m	
<b>Warning system</b>	Monitoring of speed and pressure of all lifter and cleaning elements in the terminal Hydraulic oil and engine monitoring via the terminal and acoustic warning signals	
<b>Cleaning path</b>	max. 25.20 m with HR 6	
<b>Cleaning area</b>	max. 22.90 m <sup>2</sup> with HR 6	



<b>HOLMER SmartTurn (optional)</b>	Automatic mode for turning at the end of the row, incl. integration into HOLMER TerraControl Remote logging for recording the already cleared area	
<b>Lifting performance</b>	up to 3.6 ha/h (depends on lifter unit)	
<b>Dimensions and weight</b>		
Length overall / length across everything:	12.94 m	15.00 m
Width	3.08 m with a row spacing of 45 cm 3.30 m with a row spacing of 50 cm or 45-50	3.08 m with a row spacing of 45 cm 3.30 m with a row spacing of 50 cm or 45-50
Height	4.00 m	4.00 m
Ground clearance	5.73 m	5.73 m / 2.12 m
Smallest turning circle (inner)	6.50 m	6.50 m
<b>Optional equipment</b>	Stereo CD radio with Bluetooth hands-free system and DAB+ Portable cool box USB stick with „TerraDat“ evaluation software HOLER EasyHelp 4.0 telemetry system with remote maintenance Quick change kit spring tines turbine system complete Equipment for beets and chicory  Tyres front axle: MICHELIN IF 800/70 R 38 CFO 184A8 TL CerexBib MICHELIN IF 900/60 R 38 CFO 188A8 TL CerexBib (external width 3.20 m)  Tyres centre and rear axle: MICHELIN IF 1000/55 R 32 CFO 188A8 TL CerexBib (external width rear axle 3.00 m)  Rear axle tyres only Terra Dos T4-30: Mitas SFT 1250/50 R 32 TL 194 A8 (external width 3.30 m)	

Subject to modifications for technical progress; approved by TÜV and the trade association; in accordance with the CE regulations