

Technical Data

	Terra Dos T4-30		Terra Dos T4-40
Engine		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	
Propulsion			
Hydrostatic propulsion		Single axle hydraulically powered on front and rear axle. each via bent-axis motor incl. pre-loaded planetary gear 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 1st Gear: 0 to 13 km/h, continuously variable 2nd Gear: 0 up to 40 km/h, continuously variable (depending on country-specific formalities) Automotive driving mode incl. automatic speed reduction and tempomat (1st and 2nd gear)	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
Driving speeds			
Axles		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
Chassis			
Steering modes		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	
Tyres		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
Brakes			
Service brake		hydraulic drum brake	
Parking brake		Spring-loaded parking brake	
Hydraulic system			
Hydraulic tank capacity		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	
HOLMER EcoPower		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	
Power supply		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)	

Cabin	Fully glazed Continuous front pane with low pane edge Hinged windows 2 x windscreen wipers including interval and wash function Stereo DAB+ 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
Innovative operating concept HOLMER SmartDrive	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
Illumination	
Headlights	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
Work lights	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
Camera system	up to 6 cameras HOLMER TopView 360° panoramic view (optional)
Centralised lubrication	BEKA-MAX electronically controlled (Terra Dos T4-30: 151 lubrication points; Terra Dos T4-40: 181 lubrication points) Intermittent lubrication and manual actuation can be set over the terminal
Topper units	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 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 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
Leaf recovery	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)
Scalpers	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
Lifter unit	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

	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 coulter 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 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 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 (optional)
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Cleaning	
Transfer web	Reversible 900 mm transfer web made of ultraflexible continuous material, divided into 50, 60 and 70 mm
Turbine system	1st turbine with 1,700 mm diameter 2nd turbine with 1,550 mm diameter 3rd turbine with 1,550 mm diameter adaptive cleaning plus with automatic speed monitoring and adjustment, depending on driving speed External actuation Wear-resistant turbine, double-tine, forged Rubber carrier on first turbine for increased conveying power (optional)
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

Elevator	Width 1,000 mm; ultraflexible material Dual cam industrial straps with forged steel actuators Incremental speed regulation
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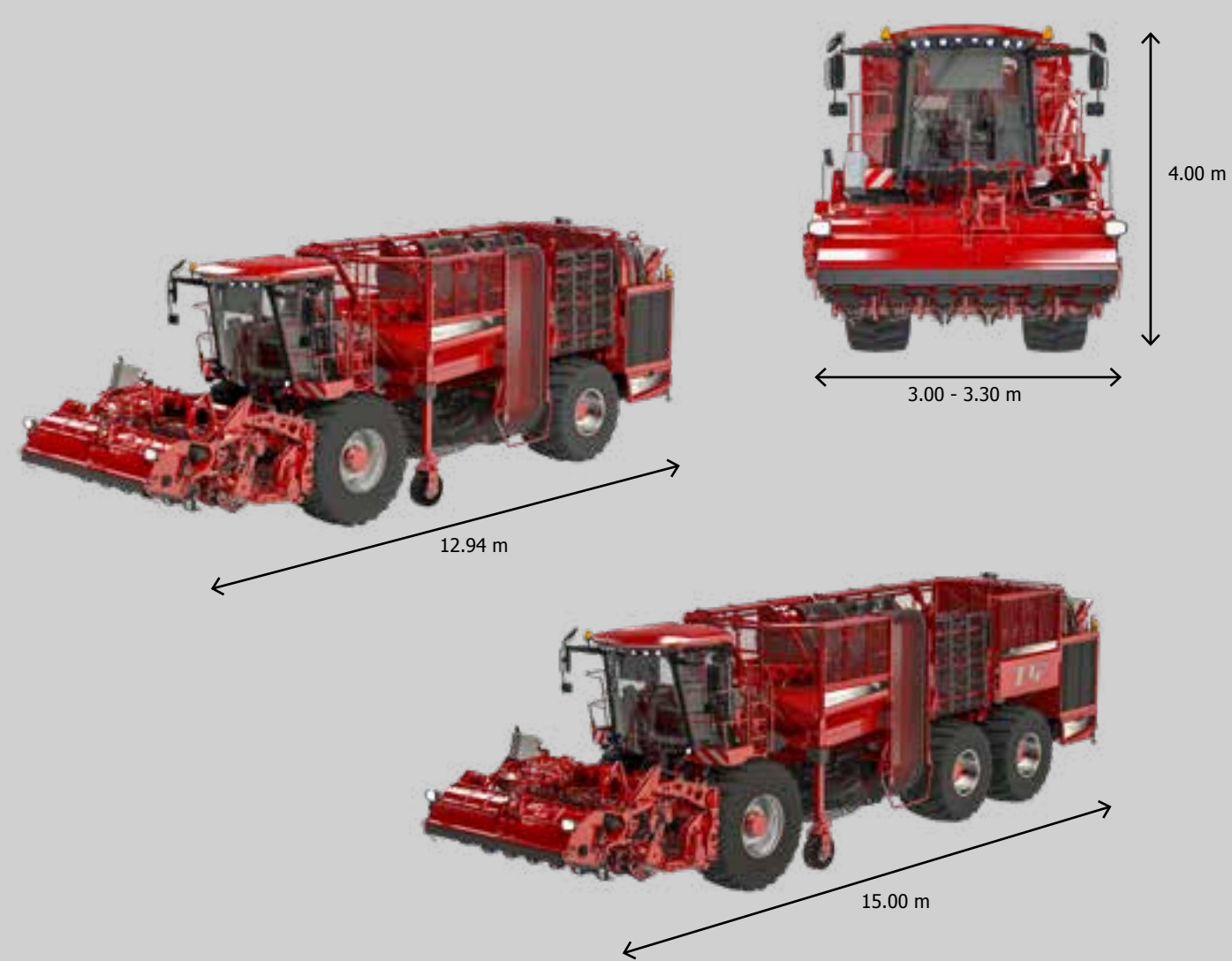
Holding tank		
Filling	Electronic fill-level monitoring over 2 ultrasound sensors Automatic holding tank filling can be switched manually	2-zone holding tank auger with freewheel coupling
Slat conveyors	1 transverse and 1 longitudinal slat conveyor, each with 4 high-strength tempered drive chains Drive system centrally lubricated Hardox® scraper floor rails 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 m³ in approx. 40 sec.	45 m³ in approx. 50 sec. Optimal loading of the discharge elevator through longitudinal slat conveyors that feed in from both sides
Discharge elevator:	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	

Hopper volume	ca. 30 m³/21 t	ca. 45 m³/31 t
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Loading height	4.00 m
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Warning system	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
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Cleaning path	max. 25.20 m with HR 6
Cleaning area	max. 22.90 m² with HR 6



HOLMER SmartTurn (optional)	Automatic mode for turning at the end of the row, incl. integration into HOLMER TerraControl Remote logging for recording the already cleared area
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Lifting performance	up to 3.6 ha/h (depends on lifter unit)
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Dimensions and weight		
Length overall / length across everything:	12.94 m	15.00 m
Width	3.00 m (with a row spacing of 45 cm; IF 1000/55 R 32) 3.30 m with a row spacing of 50 cm or 45-50	3.00 m (with a row spacing of 45 cm; IF 1000/55 R 32) 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

Optional equipment	Portable cool box Lifting Share DuraShare USB stick with „TerraDat“ evaluation software HOLMER EasyHelp 4.0 telemetry system with remote maintenance Quick change kit spring tines turbine system complete Water spray system for sticky soil; outlets freely positionable Equipment for red beets and chicory Tyres front axle: MICHELIN IF 800/70 R 38 CFO+ 187A8 TL CerexBib 2 MICHELIN VF 900/60 R 38 CFO+ 193A8 TL CerexBib 2 (external width 3.30 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)
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Subject to modifications for technical progress; approved by TÜV and the trade association; in accordance with the CE regulations.
Machine equipment depending on country-specific formalities.