

## Technical Data

Engine	Mercedes-Benz OM 473, exhaust gas standard stage V incl. AdBlue and SCR-Cat	
Cylinder	R-6	
Piston displacement	15.6 l	
Rated engine speed	1,600 U/min	
Rated power at 1,600 rpm	480 kW/ 652 hp	
Max. torque from 1,050 to 1,300 U/min	3,100 Nm	
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	Single axle hydraulically powered on front and middle axle Rear axle powered by drive shaft of middle axle
	Automatic adaptation of the lead depending on the slop gradient during harvesting and while turning; zero lead during road driving	
Driving speeds	1st Gear (field gear): 0 to 13 km/h, continuously variable 2nd Gear (street gear): 0 up to 40 km/h, continuously variable (depending on country-specific formalities) Automotive driving mode incl. automatic speed reduction and speed control (1st and 2nd gear)	

## Axles

Axles	front: planetary portal steering axle rear: planetary steering axle	front: planetary portal steering axle centre: planetary steering axle rear: ring-mounted, oscillating planetary steering axle
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 feeler or coulter body including mix controls On-road driving with articulated steer (up to 13 km/h) Sprung comfort chassis (Terra Dos 5-30: 3rd and 4th axle; Terra Dos 5-40: only 4th axle) for road driving, height-adjustable for driving over fields
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## Tyres

front: 800/70 R 38	front: 800/70 R 38
rear: IF 1000/55 R 32	centre: IF 1050/55 R 32 rear: IF 1050/55 R 32

## Brakes

Service brake	Hydraulic drum brake
Parking brake	Spring-loaded parking brake

## Hydraulic system

Hydraulic tank capacity approx. 170 l  
Load-sensing work hydraulics

## HOLMER EcoPower

Diesel engine and traction drive management with characteristic control  
Lifting at low engine speed from 1,050 rpm  
Load-shifting lamellar clutches for decoupling pump lines during road driving

## Comfort cabin

2 x windscreen wipers including interval and wash function  
Automatic climate control  
Hydrodynamic cabin suspension for optimal noise and vibration insulation  
Underfloor heating  
Integrated Hoover  
GRAMMER driver's seat with lumbar support, seat ventilation and seat heating  
Charging cradle for smartphones, wireless charging

## 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  
Fault memory function and diagnostics menu including export via USB interface  
Armrest on the left for discharge elevator control and bunker emptying incl. automatic emptying function

## Illumination

Headlights	2 x dipped-beam headlights LED 2 x high-beam headlights LED
Work lights	1 x LED strip cabin close-up range 1 x LED strip cabin far range 2 x LED strip cabin platform (right and left) 2 x LED strip harvesting unit 2 x LED strip topper 2 x LED strip cleaning unit 1 x LED headlight bunker 2 x LED strip rear axle (right and left) 2 x LED strip unloading belt 2 x LED strip tail top

## Camera system

Up to 4 cameras, cleaning belt (zoomable), camera for unloading belt and Rear view camera, Intelligent 360° camera - TopView

## Centralised lubrication

BEKA-MAX, electronically controlled, under and over pressure monitored (Terra Dos 5-30 with min. (depending on equipment) 141 lubrication points; Terra Dos 5-40 with min. (depending on equipment) 171 lubrication points)  
Intermittent lubrication and manual actuation can be set over the terminal

**Topper**

Topper without feeler wheels incl. automatic height control, height adjustment 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

**Scalper**

HOLMER DynaCut – weight-optimised parallel scalper with automatic cutting thickness  
 Scalper thickness of all blades can be set centrally from the driver's seat  
 Preload by spring on the unit – adjustable in 3 steps

**Lifting unit**

Independently adjustable single row units  
 Length-adjustable feed mechanism shaft  
 Roller track with 7 lifting and cleaning rollers, parallel adjustable (height and length)  
 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  
 Side slope automatic over slope sensor  
 70 mm lateral movability of all coulter bodies  
 EasyLift: automatic single-row depth control (series for working widths over 3.30 m)  
 Models: VHR 6, HR 6 to 12

**Cleaning**

**Transfer web** Reversible 900 mm transfer web made of ultraflexible continuous material, divided into 50, 60 or 70 mm

**Turbine system** 1st turbine with 1,755 mm diameter  
 2nd turbine with 1,620 mm diameter  
 3rd turbine with 1,620 mm diameter  
 Adaptive cleaning plus with automatic speed monitoring and adjustment, depending on driving speed  
 Wear-resistant turbine single-tines, forged

**Grates** Partial segment grates or spring-tine grates, combinable, also available with fast-swap frames  
 Height of all screen grates can be adjusted centrally and steplessly from the driver's seat, with display at the terminal

**Elevator**

Width 1,000 mm; ultraflexible dual cam industrial straps with forged steel actuators  
 Sliding rails in elevator channel

**Bunker**

approx. 30 m<sup>3</sup> / 21 t                      approx. 45 m<sup>3</sup> / 31 t

**Filling**

2-zone bunker auger with freewheel coupling

Electronic fill-level monitoring over 2 ultrasound sensors  
 Automatic holding tank filling, can be switched off manually

**Slat conveyors** 1 transverse and 1 longitudinal slat conveyor, each with 4 high-strength tempered drive chains  
 Drive system centrally lubricated

2 transverse and 1 longitudinal slat conveyor, each with 4 high-strength tempered drive chains  
 Drive system centrally lubricated

Automatic, hydraulic chain tension  
 Hardox® scraper floor rails

**Abbunkern** Automatic and manual control possible; unloading belt with adjustable speed

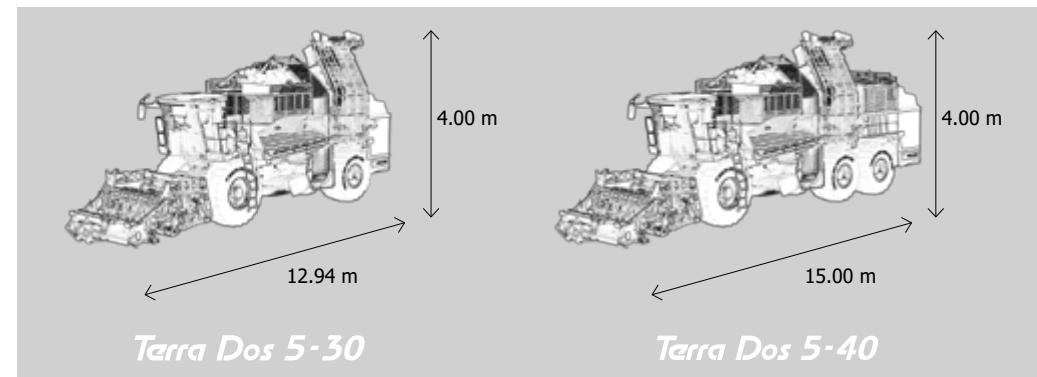
30 m<sup>3</sup> in approx. 40 sec                      45 m<sup>3</sup> in approx. 50 sec

**Discharge elevator** 2 hydraulically bent articulated parts (XL discharge elevator)  
 Memory function for unloading height and position of last articulated part incl. contour mode  
 Width: 1,800 mm

**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 cm	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 cm
Height	4.00 m	4.00 m
Wheelbase	5.73 m	5.73 m / 2.12 m
Smallest turning circle (inner)	6.50 m	6.50 m
Weight	from 27 t	from 30 t

Optional equipment on request



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.