### Technical Data

<table>
<thead>
<tr>
<th>Engine</th>
<th>Mercedes-Benz OM 473 LA, exhaust gas standard Tier 4 final incl. AdBlue and SCR-Kat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder</td>
<td>R-6</td>
</tr>
<tr>
<td>Piston displacement</td>
<td>15.6 l</td>
</tr>
<tr>
<td>Rated engine speed</td>
<td>1,700 rpm</td>
</tr>
<tr>
<td>Rated power at 1,700 rpm</td>
<td>460 kW/ 626 PS</td>
</tr>
<tr>
<td>max. torque at 1,300 rpm</td>
<td>2,900 Nm</td>
</tr>
<tr>
<td>Fuel tank capacity</td>
<td>approx. 1,150 l, additional connection for tank truck filling</td>
</tr>
<tr>
<td>AdBlue tank capacity</td>
<td>approx. 95 l</td>
</tr>
</tbody>
</table>

### 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 load depending on the slip gradient during harvesting and while turning.
- 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 to 40 km/h, continuously variable (depending on country-specific formalities)
- Automotive driving mode incl. automatic speed reduction and tempomat (1st and 2nd gear)

#### Axles
- Front: planetary portal steering axle with slope stabilisation
- Rear: planetary steering axle
- Differential 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

#### Brakes
- Service brake: hydraulic drum brake
- Parking brake: Spring-loaded parking brake

### Hydraulic system

#### Hydraulic tank capacity
- 150 l
- Gearbox 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 tandem clutch for decoupling pump lines during road driving

### Power supply
- 24 V alternator: 150 A
- Control, 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 internal 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 multifunction armrest 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
- Amreest 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)

#### 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) toppper
- 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

### 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)
- Inertant 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 (!=Integral topper), 6 to 12 rows
- HS KD (KD = can be switched from leaf centrifuge to integral function), only 6 rows
- Optional for HS I and HS KD:
  - Comb-defolator with 2 counter-rotation cleaning shafts after the scalper, 6 to 12 rows available for row spacing of 45 to 50 cm, inch distances possible
  - Height adjustment in cm adjustable via joystick

#### Leaf recovery
- using a leaf fork
- installed with fast-coupling system for the KOS KD tppers incl. leaf bell vehicle for road transport
- Loading height 3.70 m (optional 4.00 m)

### Scalers

#### HOLMER DynaCut = width-optimised parallel scalper with automatic cutting thickness
- Scalper thickness of all blades can be set completely by the driver's seat
- Scalper behaviour with faster response times with highly fluctuating best volumes
- Optimised cutting defoliating (including at high lifting speeds)
- Preloaded by spring on the unit - adjustable in 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 (200-600 rpm)
- Automatic depth control via lever 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 SBP foldable integral slider for transport position (road transport)
HOLMER EasyConnect fast coupling system
Transport vehicle with suspension for road transport (optional)

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

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 struts with forged steel actuators
Incremental speed regulation

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

Slat conveyors
1 transverse and 1 longitudinal slat conveyor, each with 4 high-strength tempered drive chains
Drive system centrally lubricated
Handwheel scraper floor rolls
Automatic, hydraulic chain tension
Screwed cassette bottom

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 transverse and 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 EcoLoader
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
cia. 45 m³/31 t

Loading height
4.00 m

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

Cleaning path
max. 25.20 m with HR 6
Cleaning area
max. 22.90 m² with HR 6

Dimensions and weight
Lifting performance
Up to 3.6 ha/h (depends on lifter unit)

HOPPER VOLUME
Dimensions:
Overall length / length across:
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 45 cm; IF 1000/55 R 32)
3.30 m with a row spacing of 50 cm or 45-50
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 (12.12 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+ 187AB 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 32 CFO+ 188AB TL CerexBib (external width rear axle 3.00 m)
Tyres rear axle tyres only Terra Dos T4-30:
Mitas SFT 250/60 R 32 TL (94 A8 (external width 3.30 m)

HOLMER SmartTurn
Automatic mode for turning at the end of the row, incl. integration into HOLMER TerraControl (optional)
Remote logging for recording the already cleared area

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.