

# Technical data

<b>Engine</b>	Mercedes Benz OM 473 LA Tier 4f
Cylinder	R-6
Piston displacement	15.6 l
Rated engine speed	1,800 rpm
Rated power at 1,800 rpm	430 kW/585 PS
max. torque at engine speed 1,300 rpm	2,750 Nm
	Automatically reversible fan
Fuel tank capacity	approx. 720 l
AdBlue tank capacity	approx. 95 l

<b>Travel drive</b>	
Power shift transmission	FUNK DF 500; 18 forward gears, 6 reverse gears
Final speed	40 km/h
All-wheel drive	permanent

<b>Axles</b>	2 planetary steering axles
Differential locks	Front & rear axle pneumatically switchable
Axle suspension with integrated slope compensators	Independently suspended front axle beam: Hydraulic suspension incl. level control Hydraulic support for side slope stability

<b>Chassis</b>	
Steering modes	All-wheel steering, four-wheel steering, crab steering

<b>Tyres</b>	
	Terra tyres 1050/50 R 32 184 A8 MegaXBib T2 low-profile (outer width 3.00 m) CerexBib IF 1000/55 R 32 CFO (outer width 3.00 m) 1250/50 R 32 SFT (outer width 3.30 m) 800/65 R 32 (outer width 2.55 m)

<b>Brakes</b>	
Service brake	Hydraulic disk brake
Parking brake	Spring-loaded multi disk brake

<b>Hydraulic system</b>	
Hydraulic tank capacity	130 l
Load-sensing max. delivery rate	190 l/min
Power-Beyond connector max delivery rate	190 l/min

<b>Power hydraulics (Depending on equipment)</b>	
Variable pump (slurry superstructure)	Sauer Danfoss H1 P 165
max. pressure	420 bar
max. delivery rate at 1,800 rpm	297 l/min
Variable pump	LINDE HPV 280-02 RE1
max. pressure	420 bar
max. delivery rate at 1,800 rpm	500 l/min
max. hydraulic power	approx. 350 kW

<b>Rear hydraulics</b>	
Category	KAT IV
Lifting capacity	80 kN
Functions	Lifting, lowering, loading/unloading, hydraulically pivotable on both sides

BUCHER BHR control hydraulics	Traction control, position control, mixing control Vibration absorption
Rear connectors	5 double-acting control units with floating position Time and volume control
External actuation	Rear button
Interfaces	Interfaces Signal socket with speed signal and linkage position
Power supply	24 V alternator 150 A 12 V alternator 150 A

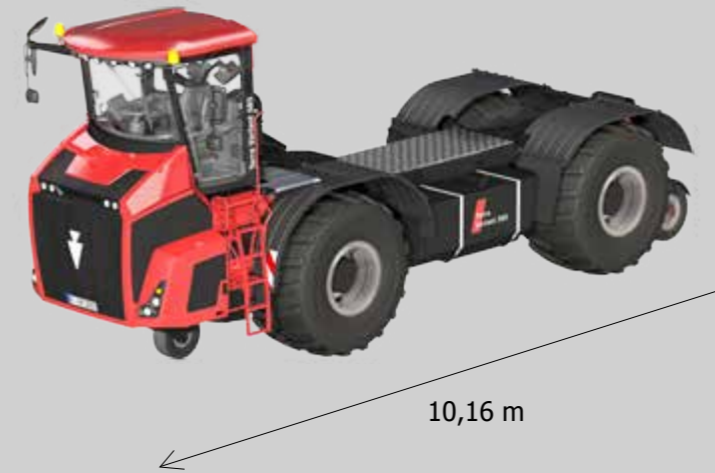
<b>Cabin</b>	
	Panorama glazing and hinged window Hydrodynamic cabin suspension Automatic climate control Stereo CD radio BHR control element Hydraulic pivot for servicing
Innovative operating concept HOLMER SmartDrive	12.1" touchscreen terminal HOLMER EasyTouch Multifunctional arm rest with joystick, jog-dial for shortcut keys Integrated operating of three-point mount functions

<b>Illumination</b>	
Headlights	2 x dipped-beam lights LED (1,950 lm) with angel eyes 2 x high-beam headlights LED (1,950 lm) with angel eyes
Work lights	4 x LED (3.400 lm) bonnet 6 x LED (2.500 lm) cabin roof, front, close-range 2 x LED (2.500 lm) cabin roof, rear 2 x LED (3.400 lm) cabin roof, front, distance-range 2 x LED (3.000 lm) mudguard, front

<b>Coupling (optional)</b>	
Drawbar	Ø 38 and 50 mm
Ball head	Ø 80 mm

<b>Dimensions</b>	
Total length with three-point mount	10.16 m
Width	3.00 m at 1050/50 R32
Height	3.99 m
Ground clearance	4.76 m
Smallest turning radius	5.50 m

<b>Optional equipment:</b>	
	2 x LED (3.400 lm) cabin roof, sideways Reverse camera for superstructure Central lubrication system Compressed air brake for coupled devices GRAMMER active seat HOLMER TerraControl headland management Twin tyres for row distance 75 cm: VF 380/90 R 46 MICHELIN Spraybib 173 D TL Preparation Reichhardt Ready Preparation Trimble Ready® Stereo CD radio with Bluetooth hands-free system and DAB+ Portable cool box



# Technical data Field logistics

## Technical data Multi bunker MB35:

Volume	35 m <sup>3</sup> (can be extended to 40 m <sup>3</sup> )
Conveyors	2 longitudinal scraper floors, each divided into two Cross scraper floor, divided into two Closed XL unloading belt
Drives	2 spur gears per cross and longitudinal scraper floor Dismountable, forged scraper floor chain system
Structure emptying	approx. 60 sec beet / approx. 120 sec corn
Also available as beet tank RB 35 Maintenance and cleaning flaps on all important assemblies	



## Technical Data for grain bunker GB25:

Volume	25 m <sup>3</sup>
Conveyors	2 longitudinal augers Cross auger Elevator Unloading auger
Unloading auger diameter	550 mm
Drives	Powerful hydraulic engines on all conveyors
Structure emptying	approx. 120 sec
Maintenance and cleaning flaps on all important assemblies	

## Technical data VTU 19:

Volume	19 m <sup>3</sup> (2 x 9.5 m <sup>3</sup> )
Conveyors	2 radial blowers 4 rotary valves
Conveyor pipe	2 x 2 pieces
Diameter	125 mm
Illumination	4 LED headlights
Cover	Hydraulic roller tarpaulin
Maintenance and cleaning flaps on all important assemblies	



## Technical data Universal spreader

<b>Annaburger spreader</b>	
<b>Superstructure</b>	Covered side walls, wear-resistant from S 700 MC
<b>Illumination</b>	4x LED 1.800 lumens
<b>Camera</b>	Reverse camera on superstructure
<b>Loader dimensions</b>	
Loading height	approx. 3.60 m
Length	6.80 m
Width	2.32 m
Height	1.10 m
Effective volume	17.4 m <sup>3</sup>
<b>Scraper floor</b>	
	Screwed scraper bars in lime Double row with centre gear hydraulically powered reversible Breaking load 230 kN/chain Total breaking load 920 kN
Scraper chain	Flat link chain C10V
Scraper floor speed	Low elongation: ~ 1 mm / chain link (10,000 rounds at 50% maximum operating load) 0.1 - 3.3 m/min Fast unloading approx. 6 m/min
Chain tensioner	hydraulic
Cover for scratch floor return	with PE panels
<b>Spreading system</b>	
Spreading system outlet (WxH)	2.30 x 1.32 m Digital display of opening height Milling rollers Ø 530 mm 2 pieces horizontal screwed tines Drive via angular gear and joint shafts
<b>Spreading disk</b>	Ø 1.13 m 2 pieces, work angle 5° 6 adjustable throwers, secured by shear bolts separate protection via cam clutch
<b>Optional equipment</b>	
	Side panel extension 400 mm; loading height approx. 4.00 m; effective volume approx. 23.7 m <sup>3</sup> ; for light spreading material Site-specific application incl. GPS receiver

## Technical data Slurry technology

<b>ZUNHAMMER Gülletechnik equipment</b>	
<b>Superstructure</b>	Permanently mounted tank with 21 m <sup>3</sup> capacity Lightweight GFK tank with outlet sump; corrosion-resistant 3 transverse baffle boards with overflow Visual and analogue fill-level display Superstructure can be hydraulically tipped for maintenance work Hotdip galvanised support frame
<b>Tank volume</b>	21 m <sup>3</sup>
<b>Slurry computer controls</b>	ISOBUS-Terminal WTK Field-Operator 300 Task controller with job management Automatic speed regulation for suction Memory function for performance values Integrated operating concept with joystick
<b>Suction system</b>	Sideways docking system DN 250 Length 5.70 m reach 158° pivot to the side, hydraulically folding Integrated folding mechanism Automatic shut-off of the filling process Pneumatic valves for suction pipe emptying Oversuction procedure when stationary 850 rpm
<b>Line system</b>	Suction lines: NW 250 mm (10") Pressure lines: NW 200 mm (8") Feeder DN 250 (10") hydraulically controlled, lateral Three-way valve DN 200 (8") hydraulically controlled, lateral Suction connection DN 150 (on the right side) with shut-off valve
<b>Illumination</b>	4 x LED (2,500 lm) on light hoists, rear 1 x LED (2,500 lm) suction pipe
<b>Camera</b>	Reverse camera on superstructure
<b>Slurry pump</b>	
Type	Reversible rotary piston pump, emptying of tank via suction pipe possible VOGELSANG VX 186-368 QD Quick-Service design with HiFlo® pistons
<b>Pump output</b>	Delivery rate
<b>Drive</b>	Hydrostatic; hydraulic engine mounted directly to the pump, 2-level
<b>Cutting unit</b>	
Type	VOGELSANG RotaCut® RCX-58 H
<b>Flow-through volume</b>	max. 12,000 l/min
<b>Drive</b>	hydraulic
<b>Chopping technology</b>	Interchangeable cutting blades made of cutlery steel ACC-Automatic Cut Control for consistent pressure from the cutting blade Adjustable pressure Auto-reverse function with automatic rotation direction change Partical separator with hydraulic rock-catcher feeder
<b>Optional equipment</b>	
	(alternative): Rotary piston pump VOGELSANG VX 215-320; delivery rate max. 11,800 l/min Dosing unit for nitrification inhibitor VAN control for nutrient-controlled slurry injection

Subject to changes for the purpose of technical progress; approved by TÜV and the employer's liability insurance association; meets the CE requirements.