

Technical data

Engine	Mercedes Benz OM 502 LA 3B/2
Cylinder	V-8
Piston displacement	15,93 l
Rated engine speed	1.800 U/min
Rated power at 1,800 U/min	440 kW/598 PS
Max. torque at engine speed of 1,300 U/min	2.800 Nm
Fuel tank capacity	approx. 850 l
AdBlue tank capacity	approx. 85 l

Travel drive	
Power shift transmission	FUNK DF 500; 18 FORWARD GEARS, 6 REVERSE GEARS
Final speed	40 km/h
All-wheel drive	Permanent

Axles	
Differential locks	Front and rear axles can be connected pneumatically
Axle suspension with integrated slope compensators	Independently suspended front axle beam: hydraulic suspension with level control Hydraulic support for side slope stability

Chassis	
Steering modes	All-wheel steering, four-wheel steering, automatic steering left / right

Tires	Terra tires 1050/50 R 32 T2 low-profile (outer width 3.00 m)
	Terra tires 1050/50 R 32 M28 high-profile (outer width 3.00 m)
	Twin tires 710/75 R 34 (outer width 4.30m)
	800/65 R 32 (outer width 2.55 m)

Brakes	
Service brake	Transmission brake and disc brake
Parking brake	Transmission brake and disc brake

Hydraulic system	
Capacity of hydraulic oil tank	130 l
Load-sensing max. delivery rate	190 l/min
Power-Beyond connector max. delivery rate	190 l/min

Power hydraulics (optional)	
Variable pump (slurry superstructure)	Sauer Danfoss H1 P 165
Max. pressure	420 bar
Max. delivery rate at 1,800 U/min	297 l/min

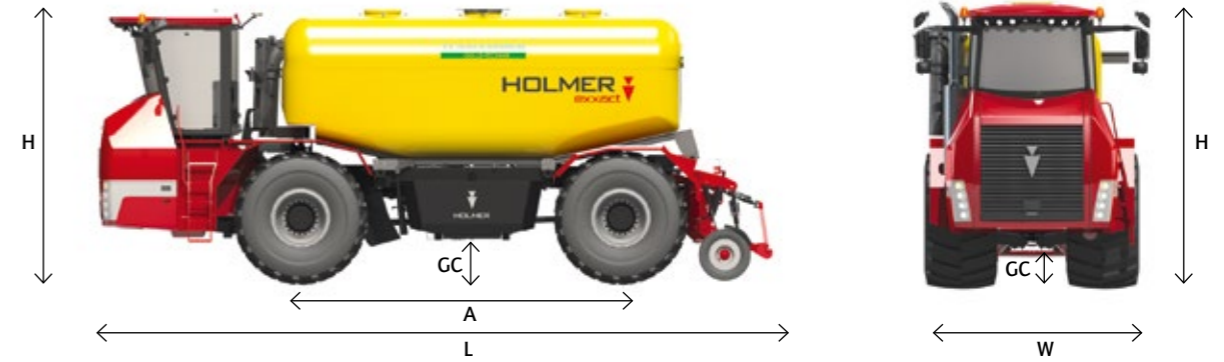
Variable pump (slurry superstructure)	LINDE HPV 280-02 RE1
Max. pressure	420 bar
Max. delivery rate at 1,800 U/min	500 l/min
Max. hydraulic output	approx. 350 kW

Rear hydraulics	
Category	KAT IV
Lifting capacity	80 kN
Functions	Lifting, lowering, loading / unloading on both sides, hydraulic pivoting
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
Cabin	12.1-inch touch-screen terminal Multifunctional arm rest with joystick, jog-dial for terminal control BHR control element Use of three-point functions Automatic climate control Hydraulic pivot for servicing
Interfaces	ISOBUS connection option Signal socket with speed signal and lifting-gear position

Coupling (optional)	
Drawbar	Ø 38 and 50 mm
Ball head	Ø 80 mm

Dimensions and weights	
Total length with three-point mount (L)	10250 mm
Width (W)	3000 mm
Height (H)	3980 mm
Ground clearance (GC)	620 mm
Wheelbase (A)	4800 mm
Smallest turning radius	5500 m

Optional equipment	
	Xenon headlights Xenon spotlights, side LED spotlights, rear Reverse camera on superstructure Central lubrication system Compressed air brake for coupled devices GRAMMER Actimo Evolution active seat HOLMER TerraControl headland management Dual corn formation unit 380/90 R 46



ZUNHAMMER slurry technology	
Structure	Tank capacity 21 m ³ Lightweight GFK tank with outlet sump; corrosion-resistant 3 transverse baffle boards with overflow Visual and analog fill-level display Superstructure can be hydraulically tipped for maintenance work
Suction pipe	Length 5.70 m 170° pivot to the side Two fluid stop valves for emptying pipe residue
Suction lines	NW 250 mm
Pressure lines	NW 200 mm
Slurry computer controls	ISOBUS terminal WTK Field Operator 300 Task Controller with order management
Controlling suction, re-pumping, injection	Feeder NW 250; three-way valve NW 200, each hydraulically controlled
Slurry pump	
Type	VOGELSANG VX 186-368 QD Quick-Service design with HiFlo® pistons
Delivery rate	Max. 9.000 l/min
Cutting unit	
Type	VOGELSANG RotaCut® RCX-58 H Quick-Service design with HiFlo® pistons
Flow-through volume	Max. 12.000 l/min
Chopping technology	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 Particle separator with hydraulic rock-catcher feeder
Optional equipment	
	LED spotlights, rear Reverse camera on superstructure VOGELSANG VX 128 Q small-volume pump; 3-inch pressurized line in stainless steel Dosing unit for nitrification inhibitor, including stainless-steel tank, approx. 530 l VAN control for nutrient-controlled slurry injection: vacuum-side connection
Available superstructures	
	HOLMER beet holding tank (35 m ³) BERGMANN universal spreader (26 m ³) HOLMER grain holding tank (25 m ³) HOLMER VTU 19 (2 x 9.5 m ³)
Subject to changes for the purpose of technical progress; approved by TÜV and the employer's liability insurance association; meets the CE requirements.	