Technical data

**Engine**
- Engine: Mercedes Benz OM 473 LA Tier 4f
- Cylinders: 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
- Fuel tank capacity: approx. 70 l
- AddBlue tank capacity: approx. 95 l

**Technical data**
- Sauer Danfoss H1 P 165
- Functions: Lifting, lowering, loading/unloading,
- Lifting capacity: 80 kN
- Category: KAT IV
- Rear hydraulics
  - max. hydraulic power approx. 350 kW
  - max. delivery rate at 1,800 rpm: 500 l/min
  - max. pressure: 420 bar
- Variable pump LINDE HPV 280-02 RE1
  - max. delivery rate at 1,800 rpm: 297 l/min
  - max. pressure: 420 bar
- Variable pump (slurry superstructure)
- Power hydraulics
  - max delivery rate: 190 l/min
- Power-Beyond connector
- Load-sensing
  - max. delivery rate: 190 l/min

**Cabine**
- Panorama glazing and hinged window
- Hydromechanical cabin suspension
- Automatic climate control
- Stereo CD radio
- Automatic climate control
- Hydrodynamic cabin suspension
- Panorama glazing and hinged window

**Dimensions**
- Total length with three-point mount: 10.16 m
- Ball head: Ø 80 mm
- Drawbar: Ø 38 and 50 mm
- Structure emptying: approx. 120 sec beet / approx. 60 sec
- Volume: 25 m³ (2 x 9.5 m³)
- 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

**Power hydraulics (Depending on equipment)**
- Variable pump (slurry superstructure)
  - Sauer Danfoss H1 P 165
- max. pressure: 120 bar
- max. delivery rate at 1,800 rpm: 297 l/min
- Variable pump
  - LINDEN MPV 280-02 RE1
- max. pressure: 120 bar
- max. delivery rate at 1,800 rpm: 500 l/min
- max. hydraulic power: approx. 350 kW

**Optional equipment:**
- 2 x LED (3.400 lm) cabin roof, side, front
- LED (1,950 lm) with angel eyes
- 2 x high beam headlights
- LED (1,950 lm) with angel eyes
- 2 x dipped beam lights
- LED (3.400 lm) bonnet
- 4 x LED (2.500 lm) cabin roof, front, close-range
- 2 x LED (2.500 lm) cabin roof, near
- 4 x LED (2.500 lm) cabin roof, front, distance-range
- 2 x LED (3.000 lm) mudguard, front

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

**Brakes**
- Service brake: Hydraulic disk brake
- Parking brake: Spring-loaded multi disk brake

**Hydraulic system**
- Hydraulic tank capacity: 130 l
- Load-sensing max. delivery rate: 190 l/min
- Power-Beyond connector max. delivery rate: 190 l/min

**Power hydraulics**
- Variable pump (slurry superstructure)
  - Sauer Danfoss H1 P 165
- max. pressure: 120 bar
- max. delivery rate at 1,800 rpm: 297 l/min
- Variable pump
  - LINDEN MPV 280-02 RE1
- max. pressure: 120 bar
- max. delivery rate at 1,800 rpm: 500 l/min
- max. hydraulic power: approx. 350 kW

**Recommended equipment**
- 4 x LED (3.000 lm) mudguard, front
- 2 x LED (3.400 lm) bonnet
- 4 x LED (1,950 lm) with angel eyes
- 2 x dipped beam lights
- LED (3.400 lm) bonnet
- 4 x LED (2.500 lm) cabin roof, front, close-range
- 2 x high beam headlights
- LED (1,950 lm) with angel eyes
- 2 x dipped beam lights
- LED (3.400 lm) bonnet
- 4 x LED (2.500 lm) cabin roof, front, distance-range
- 2 x LED (3.000 lm) mudguard, front

**Fuel tank capacity**
- approx. 70 l

**Volume**
- 35 m³ (can be extended to 40 m³)

**Conveyors**
- 2 longitudinal scraper floors, each divided into two
- Cross scraper floor divided into two
- Closed XL unloading belt

**Drives**
- 3 spur gears per cross and longitudinal scraper floor
- Demountable, 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 Multi bunker MB35:**

**Technical data for grain bunker GB25:**

**Technical data V7U 19:**

**Volume**
- 19 m³ (2 x 9.5 m³)

**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

Annaburger spreader

Superstructure
- Covered side walls, wear-resistant from S 700 MC

Illumination
- 4x LED 1.800 lumens

Camera
- Reverse camera on superstructure

Loader dimensions
- Loading height: approx. 3.60 m
- Length: 6.80 m
- Width: 2.32 m
- Height: 1.10 m
- Effective volume: 17.4 m³

Scraper floor
- 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
- Low elongation: ~ 1 mm / chain link (10,000 rounds at 50% maximum operating load)

Scraper floor speed
- 0.1 - 3.3 m/min
- Fast unloading: approx. 6 m/min

Chain tensioner
- hydraulic

Cover for scratch floor return
- with PE panels

Spreading system
- 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 pant shafts

Spreading disk
- Ø 1.13 m
- 2 pieces, work angle 5°
- 6 adjustable throwers, secured by shear bolts
- separate protection via cam clutch

Optional equipment
- Side panel extension: 400 mm; loading height: approx. 4.00 m; effective volume: approx. 23.7 m³; for light spreading material
- Site-specific application incl. GPS receiver

Technical data Slurry technology

ZUNHAMMER Gülletechnik equipment

Superstructure
- Permanently mounted tank with 21 m³ 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 tilted for maintenance work
- Hot dip galvanised support frame

Tank volume
- 21 m³

Slurry computer controls
- 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

Suction system
- Sideways docking system DN 250
- Length: 5.70 m reach
- 180° pivot to the side, hydraulically folding
- Integrated folding mechanism
- Automatic shut-off of the filling process
- Pneumatic valves for suction pipe emptying
- Over suction procedure when stationary: 850 rpm

Line system
- 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

Illumination
- 4 x LED (2,500 lm) on light hoists, rear
- 1 x LED (2,500 lm) suction pipe

Camera
- Reverse camera on superstructure

Slurry pump
- Reversible rotary piston pump, emptying of tank via suction pipe possible
- Type: VOGELSANG VX 186-368 QD
- Quick-Service design with HiFlo® pistons
- Pump output: Delivery rate
- Drive: Hydrostatic; hydraulic engine mounted directly to the pump, 2-level

Cutting unit
- Type: VOGELSANG RotaCut® RCK-38 H
- Flow throughput volume: max. 12,000 l/min
- Drive: Hydraulic
- Chopping technology: Interchangeable cutting blades made of cutting steel
  - ACC-Automatic Cut Control for consistent pressure from the cutting blade
  - Adjustable pressure
  - Auto-reverse function with automatic rotation direction change
  - Rotational separator with hydraulic rod-catcher feeder

Optional equipment
- (alternative): Rotary piston pump VOGELSANG VX 215-320; delivery rate max. 11,800 l/min
- Dosing unit for nitrification inhibitor
- IAN 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.