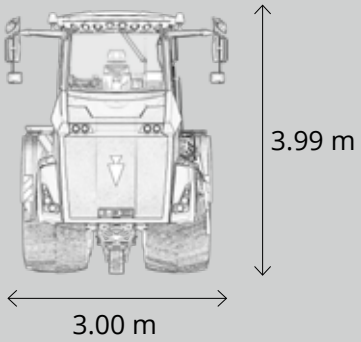
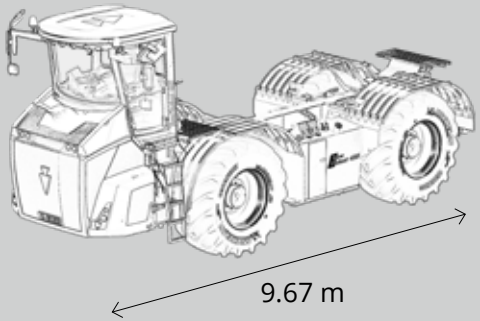
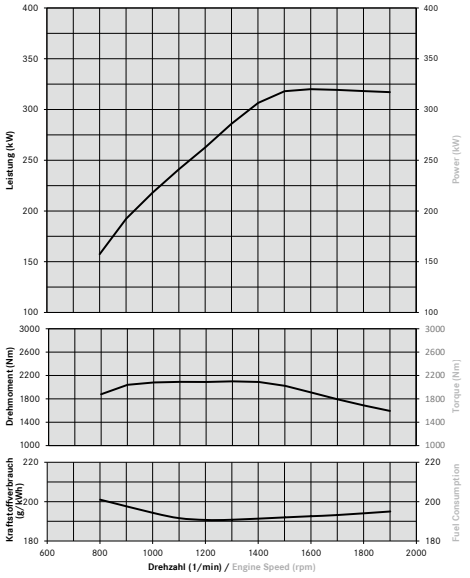


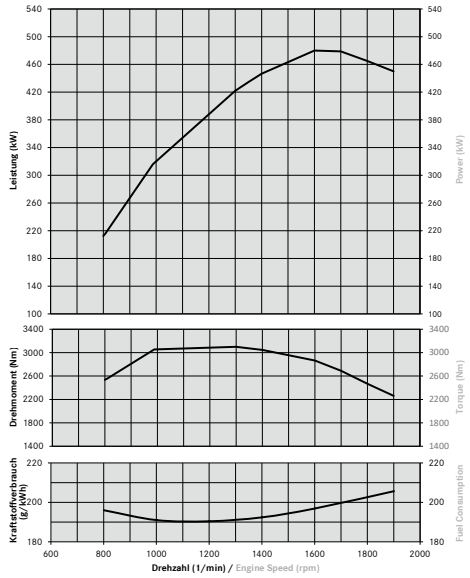


Terra Variant 435

Engine	Terra Variant 435	Terra Variant 650
Engine	Mercedes Benz OM 470 Stage V	Mercedes Benz OM 473 Stage V
Cylinder	R-6	R-6
Displacement	10.7 l	15.6 l
Rated speed	1,700 rpm	1,600 rpm
Rated power	320 kW / 435 hp at 1,700 rpm	480 kW / 652 hp at 1,600 rpm
Maximum torque at engine speed 1,300 rpm	2,100 N·m	3,100 N·m
	Automatic fan reversal	Automatic fan reversal
Fuel tank capacity	Approx. 640 l	Approx. 770 l
AdBlue tank capacity	Approx. 95 l	Approx. 95 l
Traction drive		
Traction drive	HOLMER DynaProtect, hydrostatic, continuously variable 0 km/h - 40 km/h	Kessler LV 3000 CVT transmission, continuously variable power split
Top speed	Up to 40 km/h when driving on roads (depending on country-specific regulations) Up to 30 km/h when driving on farmland	Up to 40 km/h when driving on roads (depending on country-specific regulations) Up to 30 km/h when driving on farmland
Allr-wheel drive	Permanently	Permanently
Axles		
Axles	2 planetary steering axles including axle drive	2 planetary steering axles
Differential locks	Front and rear axles pneumatically switchable	Front and rear axles pneumatically switchable
Axle suspension with integrated slope support	Single-suspension front axle swing arm: hydraulic suspension including level control, hydraulic support for side slope stability	Single-suspension front axle swing arm: hydraulic suspension including level control, hydraulic support for side slope stability
Chassis		
Steering modes	All-wheel steering, rigid steering, gentle steering left/right	All-wheel steering, rigid steering, gentle steering left/right
Tires		
	Ultraflex tire technology VF 900/60 R 38 CFO+ 193 A8 TL CerexBib2	Terra tires 1050/50 R 32 184 A8 MegaXBib T2 Grassland tread
	Tires for row spacing 75 cm (track 2.25 m) VF 580/85 R 42 CFO+ 183 A8 TL	CerexBib IF 1000/55 R 32 CFO
	CerexBib IF 1000/55 R 32 CFO 188 A8 TL (external width 3.30 m)	FloatXBib VF 1000/55 R 32 CFO
	VF 580/85 R 42 CFO+ 183 A8 TL CerexBib2 (outer width 2.55 m)	Twin tires for row spacing 75 cm VF 380/90 R 46 Spraybib 173 D TL
		800/65 R 32 (outer width 2.55 m)



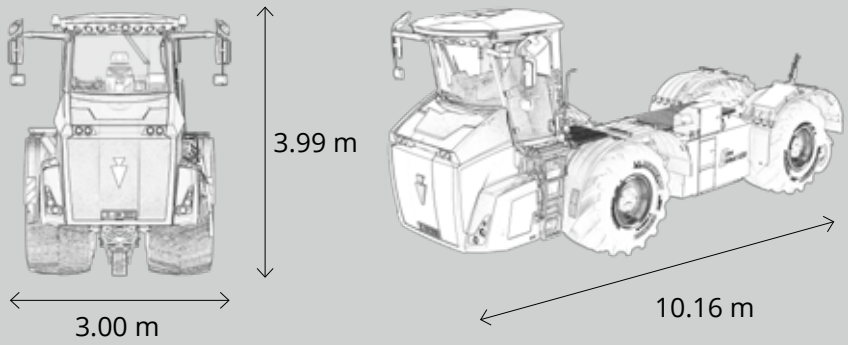
Terra Variant 435



Terra Variant 650

Brakes		
Service brake	Hydraulic drum brake	Hydraulic disc brake
Parking brake	Spring-loaded drum brake	Spring-loaded disc brake
Hydraulic system		
Hydraulic oil tank capacity	170 l	170 l
Load-sensing maximum flow rate	202 l/min	190 l/min
Power hydraulics (depending on equipment)		
Variable displacement pump (slurry main drive)	Danfoss H1 P 130	Bosch Rexroth A4 VG 145
Maximum hydraulic power	182 kW	191 kW
Maximum pressure	350 bar	350 bar
Maximum flow rate	313 l/min	328 l/min
Rear hydraulics		
Category	CAT III	CAT IV
Lifting capacity	70 kN	80 kN
Functions	Lifting, lowering, including loading and unloading, hydraulically swiveling on both sides	Lifting, lowering, including loading and unloading, hydraulically swiveling on both sides
BUCHER BHR control hydraulics	-	Traction, position, and mixing control Vibration damping
Rear connections	3 double-acting control units including neutral position Time and quantity control	5 double-acting control units including neutral position Time and quantity control
External actuation	Rear sensor	Rear sensor
Interfaces	Signal socket including speed signal and lift position	ISOBUS connection option Signal socket including speed signal and lift position
Power supply	24 V alternator 150 A 12 V supply 70 A	24 V alternator 150 A 12 V alternator 150 A
Comfort cabin		
	GRAMMER driver's seat All-round glazing and vent window Hydrodynamic cab suspension Automatic climate control DAB+ radio with Bluetooth hands-free system Rear hydraulic control panel Hydraulically tiltable for servicing	GRAMMER driver's seat All-round glazing and vent window Hydrodynamic cab suspension Automatic climate control DAB+ radio with Bluetooth hands-free system BHR control panel Hydraulically tiltable for servicing

Terra Variant 650



HOLMER SmartDrive	12.1-inch touchscreen terminal HOLMER EasyTouch Ergonomic multifunction armrest including joystick and jog dial with quick access buttons Integrated control of three-point functions Integration of superstructure control into the HOLMER EasyTouch	12.1-inch touchscreen terminal HOLMER EasyTouch Ergonomic multifunction armrest including joystick and jog dial with quick access buttons Integrated control of three-point functions Integration of superstructure control into the HOLMER EasyTouch
Lighting		
Headlight	2 x low beam headlights LED (1,950 lm) Incl. daytime running light ring 2 x high beam headlights LED (1,950 lm) Incl. daytime running light ring	2 x low beam headlights LED (1,950 lm) Incl. daytime running light ring 2 x high beam headlights LED (1,950 lm) Incl. daytime running light ring
Worklight	4 x LED (3,400 lm) hood 4 x LED (2,500 lm) front cab roof, close range 2 x LED (2,500 lm) rear cab roof 4 x LED (3,400 lm) front cab roof, long range 2 x LED (3,000 lm) front fender	4 x LED (3,400 lm) hood 4 x LED (2,500 lm) front cab roof, close range 2 x LED (2,500 lm) rear cab roof 4 x LED (3,400 lm) front cab roof, long range 2 x LED (3,000 lm) front fender
Central lubrication		
	BEKA-MAX, electronically controlled interval lubrication and manual operation adjustable via terminal	BEKA-MAX, electronically controlled interval lubrication and manual operation adjustable via terminal
Dimensions		
Total length including three-point hitch	9.67 m	10.16 m
Width	3.00 m with 900/60 R38	3.00 m with 1050/50 R32
Height	3.99 m	3.99 m

Wheelbase	4.26 m	4.76 m
Smallest turning circle	6.80 m	11.00 m
Hitching (optional)		
Drawbar	-	Ø 38 mm and 50 mm
Ball head	-	Ø 80 mm
Special equipment		
	2 x LED (3,400 lm) cab roof, side	2 x LED (3,400 lm) cab roof, side
	2 x LED (3,000 lm) rear fender	2 x LED (3,000 lm) rear fender
	Rear view camera for attachment	Rear view camera for attachment
	Compressed air brake system for trailer equipment	Compressed air brake system for trailer equipment
	Portable cooler	Portable cooler
	Trimble Ready® preparation	Trimble Ready® preparation
	Preparation TopCon Ready	Preparation TopCon Ready
		Preparation Reichhardt Ready
		HOLMER TerraControl headland management

Slurry technology ZUNHAMMER		
Structure	Permanently mounted top tank Lightweight, frameless GRP tank including integrated drain sump Corrosion-resistant 3 cross baffles including overflow Level indicator on the barrel and in the terminal	Permanently mounted add-on tank Lightweight GRP tank including side drain sump Corrosion-resistant 3 cross baffles including overflow Level indicator on the barrel and in the terminal Hydraulically tiltable for maintenance work
Tank capacity	16 cubic meters	21 cubic meters
Slurry computer control	Slurry computer integrated in the vehicle terminal Range display Application according to nutrient values in kg/ha possible Automatic speed control during oversucking Integrated operating concept in the multifunction lever	Slurry computer integrated in the vehicle terminal Range display Spreading according to nutrient values in kg/ha possible Automatic speed control during oversucking Integrated operating concept in the multifunction lever

Suction system	Side docking system NW 250 Length 5.70 m 158° swivel radius; hydraulically foldable, swivel angle can be saved Integrated automatic folding mechanism Automatic shutdown of the filling process Pneumatic ventilation valves for emptying pipe residues Over-suction process at idle speed 900 rpm	Side docking system NW 250 Length 5.70 m 158° swivel radius; hydraulically foldable integrated automatic folding mechanism Automatic shutdown of the filling process Pneumatic ventilation valves for emptying pipe residues Over-suction process at idle speed 850 rpm
Pipeline system	Suction lines: NW 250 mm (10 inches) Pressure lines: NW 200 mm (8-inch) Gate valve NW 250 (10-inch) hydraulically controlled, side-mounted 3-way valve NW 200 (8-inch) hydraulically controlled Suction connection NW 150 right with shut-off gate valve	Suction lines: NW 250 mm (10 inches) Pressure lines: NW 200 mm (8-inch) Gate valve NW 250 (10-inch) hydraulically controlled, side-mounted 3-way valve NW 200 (8-inch) hydraulically controlled Suction connection NW 150 right with shut-off gate valve
Lighting	4 x LED (2,500 lm) on light carrier, rear 1 x LED (2,500 lm) intake pipe	4 x LED (2,500 lm) on light carrier, rear 1 x LED (2,500 lm) intake pipe
Camera	Rear view camera on the body	Rear view camera on the body
Slurry pump		
Pump	Reversible rotary piston pump Tank can be emptied via suction pipe	Reversible rotary piston pump Tank can be emptied via suction pipe
Type	VOGELSANG VX 186-368 QD, aluminum version Quick-service design with HiFlo® piston	VOGELSANG VX 186-368 QD, aluminum version Quick-service design with HiFlo® piston
Delivery rate	Maximum 9,000 l/min continuously variable	Maximum 9,000 l/min continuously variable
Drive	Hydrostatic; hydraulic motor mounted directly on the pump, 2-stage	hydrostatic; hydraulic motor mounted directly on the pump, 2-stage
Cutting unit		
Type	Vogelsang RotaCut® MXL 10000	VOGELSANG RotaCut® RCX-58 H
Flow rate	Maximum 10,000 l/min	Maximum 12,000 l/min
Drive	Hydraulic	Hydraulic
Shredding technology	Replaceable cutting blades made of knife steel ACC Automatic Cut Control for consistent cutting blades pressure Adjustable contact pressure Auto-reverse function with automatic change of rotation direction Foreign object separation including hydraulic stone trap slide	Replaceable cutting blades made of knife steel ACC automatic cut control for consistent cutting blade pressure Adjustable contact pressure Auto-reverse function with automatic change of rotation direction Foreign object separation including hydraulic stone trap slide

Special equipment		
	Dosing system for nitrification inhibitors	Dosing system for nitrification inhibitors
	VAN Control for nutrient-controlled slurry spreading	VAN Control for nutrient-controlled slurry spreading
		(alternative) VOGELSANG VX 215-320 Q rotary lobe pump; maximum flow rate 11,800 l/min

Subject to change with a view to technical progress; approved by TÜV and the professional association; complies with CE regulations. Equipment depends on country-specific regulations.