

Terra Variant 435

Motor	Terra Variant 435	Terra Variant 650
Motor	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
Nominal power	320 kW/435 hp at 1,700 rpm	480 kW/652 hp at 1,600 rpm
max. torque at engine speed 1,300 rpm	2,100 Nm	3,100 Nm
	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, stepless 0-40 km/h	Kessler LV 3000 CVT gearbox, continuously variable power split
Top speed	Up to 40 km/h for road travel (Depending on country-specific regulations) Up to 30 km/h for field travel	Up to 40 km/h for road travel (Depending on country-specific regulations) Up to 30 km/h for field travel
All-wheel drive	permanent	permanent
Axles		
Axles	2 planetary steering axles incl. axle drive	2 planetary steering axles
Differential locks	Front and rear axle pneumatically switchable	Front and rear axle pneumatically switchable

Axle suspension with integrated hanger brackets

Individually suspended front swing-arm: hydraulic suspension incl. level control, hydraulic support for side hill stability

Individually suspended front swing-arm: hydraulic suspension incl. level control, hydraulic support for side hill stability

Chassis

Steering modes

All-wheel steering, rigid drive, crab steer left/right

All-wheel steering, rigid drive, crab steer left/right

Tyres

Ultraflex tyre technology VF 900/60 R 38 CFO+ 193 A8 TL CerexBib2

Terra tyres 1050/50 R 32 184 A8 MegaXBib T2 grassland profile

Tyres 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

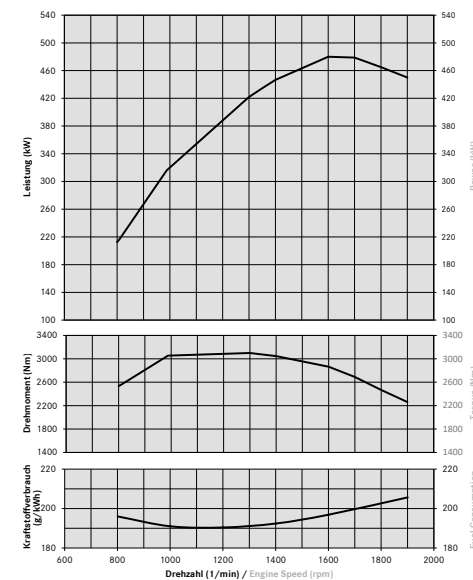
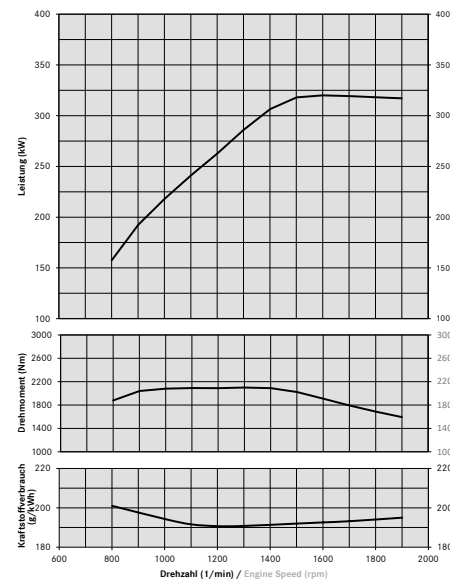
CerexBib IF 1000/55 R 32 CFO 188 A8 TL (outside width 3.30 m)

FloatXBib VF 1000/55 R 32 CFO

VF 580/85 R 42 CFO+ 183 A8 TL CerexBib2 (outside width 2.55 m)

Twin tyres for row spacing 75 cm VF 380/90 R 46 Spraybib 173 D TL

800/65 R 32 (outside width 2.55 m)



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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 max. 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
max. hydraulic power	182 kW	191 kW
max. pressure	350 bar	350 bar
max. flow rate	313 l/min	328 l/min

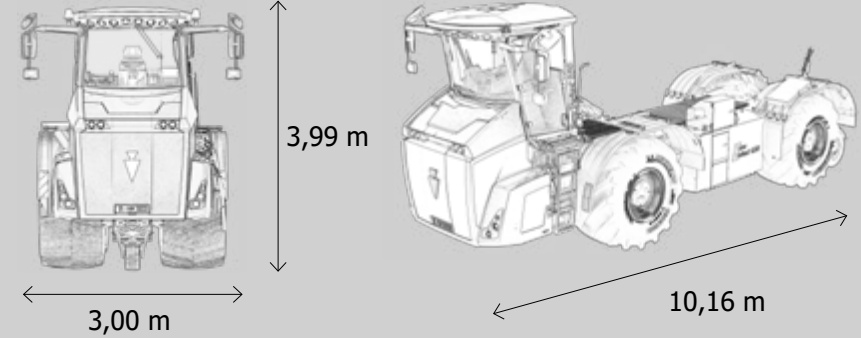
Rear hydraulics

Category	CAT III	CAT IV
Lifting force	70 kN	80 kN
Functions	Lifting, lowering incl. loading and unloading hydraulically swivelling on both sides	Lifting, lowering incl. loading and unloading hydraulically swivelling on both sides
Control hydraulics BUCHER BHR	-	Traction, position, mixing control Vibration absorption
Rear connections	3 double-acting control units incl. floating position Time and flow control	5 double-acting control units incl. floating position Time and flow control
External actuation	Rear button	Rear button
Interfaces	Signal socket incl. speed signal and linkage position	ISOBUS connection option Signal socket incl. speed signal and linkage 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 hinged windows Hydrodynamic cab suspension Automatic air conditioning DAB+ Radio with Bluetooth hands-free system Rear hydraulic control panel Hydraulically tiltable for service work	GRAMMER driver's seat All-round glazing and hinged windows Hydrodynamic cab suspension Automatic air conditioning DAB+ Radio with Bluetooth hands-free system BHR control panel Hydraulically tiltable for service work
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HOLMER SmartDrive	12.1 inch touchscreen terminal HOLMER EasyTouch Ergonomic multifunction armrest incl. joystick and jog dial with quick access keys Integrated operation three-point functions Integration body control in the HOLMER EasyTouch	12.1 inch touchscreen terminal HOLMER EasyTouch Ergonomic multifunction armrest incl. joystick and jog dial with quick access keys Integrated operation three-point functions Integration body control in the HOLMER EasyTouch
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Lighting

Headlights	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
Worklights	4 x LED (3,400 lm) engine bonnet 4 x LED (2,500 lm) cab roof front, close 2 x LED (2,500 lm) cab roof rear 4 x LED (3,400 lm) cab roof front, far 2 x LED (3,000 lm) front mudguards	4 x LED (3,400 lm) engine bonnet 4 x LED (2,500 lm) cab roof front, close 2 x LED (2,500 lm) cab roof rear 4 x LED (3,400 lm) cab roof front, far 2 x LED (3,000 lm) front mudguards

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
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Dimensions

Total length incl. three-point	9.67 m	10.16 m
Wide	3.00 m for 900/60 R 38	3.00 m for 1050/50 R 32
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 and 50 mm
Ball head	-	Ø 80 mm
Special equipment		
	2 x LED (3,400 lm) cabin roof, lateral	2 x LED (3,400 lm) cabin roof, lateral
	2 x LED (3,000 lm) rear mudguard	2 x LED (3,000 lm) rear mudguard
	Rear view camera for attachment	Rear view camera for attachment
	Air brake system for trailed implements	Air brake system for trailed implements
	Portable cooler	Portable cooler
	Preparation Trimble Ready®	Preparation Trimble Ready®
	Preparation TopCon Ready	Preparation TopCon Ready
		Preparation Reichhardt Ready
		HOLMER TerraControl Headland Management

Slurry technology ZUNHAMMER		
Structure	Permanently mounted top tank Light, frameless GRP tank incl. integrated discharge sump Corrosion-resistant 3 transverse sump walls incl. overflow Fill level indicator on the tank and in the terminal Tank supports hot-dip galvanised	Permanently mounted top tank Lightweight GRP tank incl. lateral discharge sump Corrosion-resistant 3 transverse sump walls incl. overflow Filling level indicator on the tank and in the terminal Body can be tilted hydraulically for maintenance work
Tank volume	16 m ³	21 m ³
Slurry computer control	Slurry computer integrated in the vehicle terminal Range indicator Spreading according to nutrient values in kg/ha possible Automatic speed control during over-suction Integrated operating concept in the multifunction lever	Slurry computer integrated in the vehicle terminal Range indicator Spreading according to nutrient values in kg/ha possible Automatic speed control during over-suction 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 stored Integrated automatic folding mechanism Automatic shut-off of the filling process Pneumatic valves for suction pipe emptying 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 shut-off of the filling process Pneumatic valves for suction pipe emptying Over-suction process when idling 850 Rpm
Pipeline system	Suction lines: NW 250 mm (10-inch) Pressure lines: NW 200 mm (8-inch) Gate valve NW 250 (10-inch) hydraulically controlled, lateral 3-way valve NW 200 (8-inch) hydraulically controlled Suction connection NW 150 right with gate valve	Suction lines: NW 250 mm (10-inch) Pressure lines: NW 200 mm (8-inch) Gate valve NW 250 (10-inch) hydraulically controlled, lateral 3-way valve NW 200 (8-inch) hydraulically controlled Suction connection NW 150 right with 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 lobe pump Tank emptying possible via suction pipe	Reversible rotary lobe pump Tank emptying possible via suction pipe
Type	VOGELSANG VX 186-368 QD, aluminium version Quick-Service version with HiFlo® piston	VOGELSANG VX 186-368 QD, aluminium version Quick-Service version with HiFlo® piston
Pump capacity	max. 9,000 l/min steplessly controlled	max. 9,000 l/min steplessly controlled
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	max. 10,000 l/min	max. 12,000 l/min
Drive	hydraulic	hydraulic
Shredding technology	Replaceable cutting blades made of blade steel ACC-Automatic Cut Control for constant contact pressure of the cutting blades Adjustable contact pressure Auto-Reverse function with automatic change of direction of rotation Foreign body separation incl. hydraulic stone catcher slide valve	Replaceable cutting blades made of blade steel ACC-Automatic Cut Control for constant contact pressure of the cutting blades Adjustable contact pressure Auto-Reverse function with automatic change of direction of rotation Foreign body separation incl. hydraulic stone catcher slide valve

Special equipment

Dosing system for nitrification inhibitors

Dosing system for nitrification inhibitors

VAN-Control for nutrient-controlled slurry application

VAN-Control for nutrient-controlled slurry application

(alternative) Rotary lobe pump VO-GELSANG VX 215-320 Q; capacity max. 11,800 l/min

Subject to modifications in the interest of technical progress; approved by TÜV and the Employer's Liability Insurance Association; complies with CE regulations.
Equipment depends on country-specific regulations.

