



Vredo Dodewaard bv
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ART.NUMBER

DETAILS

G00101054

VREDO VT4556

Vredo VT4556

Year of manufacture: 2021

Operating hours: approx. 5,500

Machine number: 0121.009

Options: BDWS, Trimble GPS, Weighing & sampling system, New BKT 1050/50R32 tyres

Engine & Drivetrain

- Engine: Scania DC13, 6-cylinder in-line, 12.7 litre, 331 kW / 450 hp, water-cooled
- Emission standard: EU Stage V with SCR (AdBlue) and DPF
- Maximum torque: 2,150 Nm @ 900–1,450 rpm
- Maximum power: 331 kW / 450 hp @ 1,500–1,650 rpm
- Transmission: Mechanical-hydraulic continuously variable drive, 0–40 km/h at 1,500 rpm via drive controller
- Fuel tank capacity: 600 litres (2 × 300 litres)
- AdBlue tank capacity: 60 litres

Cab & Comfort

- Super comfort Claas-Vredo cab, incl. radio/CD player with Bluetooth (external microphone for hands-free calling)
- Electronically controlled air conditioning
- Control console integrated in armrest incl. joystick and touchscreen terminal
- Real-time machine data (pressures, temperatures, etc.) displayed on touchscreen
- Air-suspended Grammer Maximo super comfort seat
- Instructor/passenger seat
- Electrically adjustable and heated mirrors incl. blind-spot mirror
- Cruise control

Axles, Steering & Chassis

- Mechanical cross differential locks on front and rear axle, operated via push button
- Selectable four-wheel drive: rear axle permanently driven, front axle engageable from cab
- Mechanical high/low range gearbox:
 - Low: 0–20 km/h
 - High: 0–40 km/h
- Equipped with engine brake / downhill brake
- Steering modes: front-wheel, four-wheel and crab steering
- Tyres: Michelin 1050/50 R32 MEGAXBIB T2 184 A8
- Suspended front axle with level control and pendulum damping

Hitch, Hydraulics & Lubrication

- 3-point double-acting rear linkage, swivelling, torsion-suspended and equipped with implement suspension
- Actively pressure-controlled linkage following mode: floating, load-relieving or pressure-controlled, adjustable from cab
- Manual linkage control via push-button box at rear light unit of slurry tank
- Automatic lubrication system with 4-litre grease reservoir

Hydraulic system

- 1 closed-centre hydraulic pump, 177 l/min, 420 bar for slurry pump drive
- 1 LS pump, 170 l/min, 200 bar for external hydraulics
- 1 LS pump, 170 l/min, 200 bar for PF unit
- 1 LS pump, 86 l/min, 200 bar for cooler (and optional BDWS)
- Pressure-compensated valves for external hydraulics and linkage
- 4 double-acting rear valves (2 with check valves, 2 with open centre position)



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- Pressure-free return line ½"

Safety & Lighting

- Reverse alarm
- Rear camera on Trac with LCD monitor incl. loudspeaker
- Connection for second rear camera on Trac
- Telescopic cylinder in chassis for tilting the tank
- 2 rotating beacons on cab roof sides
- LED road lighting integrated in front bumper
- 2 LED work lights on rear fenders behind cab
- 2 LED floodlights under cab
- 4 LED work lights on front of cab roof

Additional Equipment

- Compressed air system for cleaning cab and cooler
 - Connection next to cooler compartment
 - Connection behind cab at air reservoir
- Clean water tank: 43 litres
- Tool storage box: 100 litres
- Quick coupling for compressed air at rear of Trac
- Telescopic inspection ladder
- Fire extinguisher: 5 kg
- Trac supplied as standard with emergency service kit
 - Includes essential fuses, sensors, connectors and O-rings

Preparation for PF9020 and 19500V

- Spreading data can be saved via USB from touchscreen terminal
- Hydraulic and electrical connections at front for PF9020
- Suction and pressure lines for slurry system routed underneath the cab
- 3-pin 12V power connector at rear of Trac

VT4556 / 19500 TRIMBLE TMX / RTK

- Trimble Autopilot RTK with TMX-2050 display
- TMX-2050 display with Precision-IQ software
- AG25 GNSS antenna mounted on tank above pivot point of swivelling linkage
- Fully integrated into Trac steering system
- Uses GPS and GLONASS satellites as standard
- EGNOS signal accuracy: 0–30 cm (absolute 0–2 m)
- RTK accuracy: 0–2 cm (absolute 0–2.5 cm)
- Excluding RTK correction signal subscription
- System includes RTK SIM-card modem
- RTK subscription to be arranged with supplier (Trimble) in consultation with customer
- Fully installed and tested

TRIMBLE TMX SECTION CONTROL – ISO VT4556

- Trac equipped with GeoSwitch-ISO controller linking Trimble GPS system with slurry dosing computer
- GeoSwitch-ISO controller sends signals to CAN-Bus controller on slurry applicator for section on/off control
- When sections are switched off, slurry application rate is automatically reduced accordingly
- Variable rate application possible using task maps entered into the GPS system
- No additional applicator controller required for task map use
- Section control to applicator via ISO-BUS connector at rear of Trac

BDWS VT4556-V EXT. COMP.



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Central Tyre Inflation System with screw compressor 3,500 l/min

- Controlled from cab via touchscreen terminal
- Two adjustable presets (minimum and maximum pressure)
- Actual tyre pressure displayed on terminal
- Front and rear axle pressures displayed separately

Cab Door Wipers

- Windscreen wipers mounted on both left and right cab doors
- Switches mounted in upper right section of cab for wiper and washer operation

Additional Work Lights – Platform

- 2 additional LED work lights on rear platform behind cab

SLURRY TANK VT4556 ZBV 19500V

Tank specification ZBV 19500V

- Tank fully constructed from polyester on steel frame with twistlocks
- Lightweight construction
- Tank capacity: 19.5 m³
- Easily removable tank via twistlock system
- Venting system with overpressure and vacuum protection
- Automatic pump shut-off when tank is full or empty
- Hydraulically tiltable tank for maintenance
- 2 suction hoses 6", 4 m PVC (1 suction hose & 1 coupling hose)
- 2 LED work lights at rear of tank
- LED road lighting at rear
- License plate holder incl. license plate lighting
- Rotating beacon and camera mounted centrally at rear of tank
- 2 inspection hatches on top of tank
- Extra-large mud flaps

WEIGHING & SAMPLING CABINET

Weighing system

- On-board weighing system
- 4 load cells, 10 tonnes each
- Integrated into twistlock system
- Certified CAT-4 (capacity matched to tank volume)
- Display with printer
- Inclination sensor
- Control equipment installed in cab

Sampling system

- VMA AGR, 24V / pneumatic
- Linked to float system
- Connected to weighing system printer
- Equipment installed in cab incl. 1 barcode hand scanner
- Fully connected and calibrated
- Sampling unit integrated into pipework using small-diameter piping

PUMP-FILTER UNIT PF9020 CPL

Specifications

- Vogelsang positive displacement pump VX186-390QD, 9,000 l/min with screw rotors
- Pump equipped with radial wear plates
- Pump reverse function via touchscreen
- Filling at reduced engine speed (1,200 rpm)
- VREDO FT5200 cutter filter with debris ejector, operable and emptyable from cab



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- 8" suction arm, swivelling 120°
- Large working range via hydraulically driven slew rings
- 160° swivelling front suction connection 6"
- Electro-hydraulic control
- Application rate independent of driving speed and working width, freely adjustable
- LED lighting integrated in front bumper
- Bumper standard equipped with flexible extra step
- Work light on suction arm
- Aeration integrated in suction arm

