



**Vredo Dodewaard bv**  
Welysestraat 25a  
6669 DJ Dodewaard (NL)  
Tel. +31(0)488411254  
info@vredo.com

**Your fields,  
our passion**

**vredo.com**

## ART.NUMBER

## DETAILS

G00101053

VREDO VT4556

Vredo VT4556  
Year of manufacture: 2023  
Operating hours: approx. 2,600  
Machine number: 0121.048  
Options: Trimble GPS, luxury seat, additional work lights

### Specification

#### Engine & drivetrain

- Engine: Scania DC13, 6-cylinder in-line engine, 12.7 litres, 331 kW / 450 hp, water-cooled
- Emission standard: EU Stage 5 (V) with SCR (AdBlue) and DPF
- Maximum torque: 2,150 Nm at 900–1,450 rpm
- Maximum power: 331 kW / 450 hp at 1,500–1,650 rpm
- Drive system: Mechanical-hydraulic continuously variable drive, 0–40 km/h with automatic driving mode at 1,500 rpm
- Fuel tanks: Approx. 600 litres (2 × 300 litres)
- AdBlue tank: 60 litres

#### Cab & comfort

- Comfort cab suspended on Koni dampers, incl. radio/CD player with Bluetooth (external microphone for hands-free calling)
- Fully automatic air conditioning
- Windscreen wipers on left and right sides of the cab
- Armrest-mounted control console incl. joystick and touchscreen terminal
- Live machine data (pressure/temperature) displayed on touchscreen
- Air-suspended Grammer Maximo Super comfort seat
- Instructor seat
- Electrically adjustable and heated mirrors incl. blind-spot mirror
- Cruise control

#### Drivetrain & chassis

- Front and rear axles with selectable transverse differential locks, operable from the cab
- Selectable four-wheel drive: rear axle permanently driven, front axle switchable from the cab
- Transfer gearbox with two speed ranges
  - 1st range: 0–20 km/h
  - 2nd range: 0–40 km/h
- Equipped with engine brake / hydrostatic brake
- Steering modes: 2-wheel steering, 4-wheel steering and crab steering
- Tyres: Michelin 1050/50 R32 MEGAXBIB T2 184 A8
- Suspended front axle with automatic level control and pendulum damping

#### Hitch & hydraulics

- Rear 3-point linkage, double-acting, automatically swivels with crab steering
- Torsion-suspended lower link hooks and hydraulic implement suspension
- Actively controlled automatic ground-following system with pressure regulation
  - Ground pressure relief or float position
- Rear 3-point hitch control via remote control on the left rear mudguard
- Automatic lubrication system with 4-litre grease reservoir

#### Hydraulic pumps

- 1 closed-circuit pump: max. 177 l/min, 420 bar for slurry pump
- 1 LS pump: 170 l/min, 200 bar for external hydraulics
- 1 LS pump: 170 l/min, 200 bar for PF unit



**Vredo Dodewaard bv**  
Welysestraat 25a  
6669 DJ Dodewaard (NL)  
Tel. +31(0)488411254  
info@vredo.com

**Your fields,  
our passion**

**vredo.com**

- 1 LS pump: 86 l/min, 200 bar for cooler (and optional RDWS)
- Pressure-compensated valves for external hydraulics and linkage
- 4 rear double-acting valves
  - 2 with check valves
  - 2 with open centre position
- Free return line ½"

#### Safety & lighting

- Reverse driving alarm
- Rear-view camera with LCD colour monitor and speaker in the cab
- Connection for additional rear camera on the Trac
- Telescopic cylinder for tilting the tank on the chassis
- 2 rotating beacons on the cab
- LED road lighting integrated into the front underrun protection
- 2 LED work lights on rear cab mudguards
- 2 LED work lights underneath the cab
- 4 LED work lights in the cab roof

#### Additional equipment

- Air connections for cleaning the cab and cooling system
  - Connection at rear of cab on air reservoir
  - Connection next to the cooling system
- Clean water tank: 43 litres
- Tool box: 100 litres
- Air quick coupling at rear of the Trac
- Fire extinguisher: 5 kg
- Vredo Trac supplied as standard with emergency service kit
  - Includes essential fuses, pressure sensors, connectors and O-rings

#### Preparation for PF9020 and 19500V

- Storage of slurry application data via USB
- Hydraulic and electrical connection for PF9020 via touchscreen terminal
- Filling and unloading lines routed underneath the cab
- 3-pin 12V connector for rear-mounted implements

#### VT4556 / 19500 – TRIMBLE TMX / RTK

- Trimble Autopilot RTK with TMX-2050 display
- TMX-2050 display with Precision-IQ software
- AG25 GNSS antenna mounted at the rear, above the pivot point of the lifting swivel frame
- Fully integrated into the Trac steering system
- Trimble uses standard GLONASS and GPS satellites
- EGNOS signal accuracy: 0–30 cm (absolute 0–2 m)
- Accuracy with RTK signal: 0–2 cm (absolute 0–2.5 cm)
- Supplied without RTK correction signal subscription
- System incl. RTK SIM card modem
- RTK subscription to be arranged with supplier (Trimble) in consultation with customer
- Fully installed and tested

#### GRAMMER MAXIMO EVOLUTION ACTIVE SEAT

- Grammer Maximo Evolution Active seat MSG 95 EL/742
- With active climate system and automatic weight adjustment
- Additional cost compared to standard seat

#### CAB SIDE WINDSCREEN WIPERS



**Vredo Dodewaard bv**  
Welysestraat 25a  
6669 DJ Dodewaard (NL)  
Tel. +31(0)488411254  
info@vredo.com

**Your fields,  
our passion**

**vredo.com**

- Windscreen wipers on left and right sides of the cab
- Switches mounted in the upper cab area

#### ADDITIONAL WORK LIGHTS – MUDGUARDS

- 2 additional LED work lights on the rear cab mudguards

#### COMFORT OPTION VT4556-V

Includes:

- Telescopic access ladder incl. holder
- Spiral hoses, 3 m
- Air blow gun
- LED flashlight
- Manual hydraulic oil pump kit

#### TANK VT4556 19500V

Standard equipment – ZBV 19500V tank body

- Glass-fibre reinforced plastic tank on steel subframe with twist locks
- Lightweight construction
- Tank capacity: 19.5 m<sup>3</sup>
- Tank easily removable due to twist-lock construction
- Venting and aeration system
- Automatic pump shut-off during filling and emptying
- Tank hydraulically tiltable for maintenance
- 2 × suction hoses 6", 4 m PVC
  - 1 × suction hose
  - 1 × connection hose
- 2 LED work lights at rear of tank
- LED road lighting at rear of tank
- License plate holder incl. license plate lighting
- Rotating beacon and rear camera at rear of tank
- 2 inspection hatches on top of the tank
- Extra-large rubber mud flaps

#### PUMP FILTER UNIT PF9020

Technical data

- Vogelsang positive displacement pump VX186-390QD – 9,000 l/min with screw augers
- Equipped with axial protection plates
- Slurry pump recirculation control via touchscreen
- Filling at reduced engine speed (1,200 rpm)
- VREDO FT 5200 cutting filter with debris ejection
  - Can be opened and emptied from the cab
- Suction arm 8", 120° swivel range
- Large working range due to driven slewing ring
- Front suction connection 6", 160° swivel range
- Electro-hydraulic operation
- Application rate independent of driving speed and working width, freely adjustable
- Integrated underrun protection with LED road lighting
- Underrun protection supplied as standard with flexible step
- Work light on suction arm
- Venting on suction arm

Docking system for top suction from transport tanks

- Docking range up to approx. 5.2 m measured from the centre of the front axle
- Maximum height: 4 m



**Vredo Dodewaard bv**  
Welysestraat 25a  
6669 DJ Dodewaard (NL)  
Tel. +31(0)488411254  
info@vredo.com

**Your fields,  
our passion**

**vredo.com**

**Standard equipment**

- Driven slewing ring at the top of the arm for wide-angle movement
- 10" ball coupling
- Venting valve
- 8" recessed pipework
- Hydraulically driven suction accelerator for increased loading capacity

**SLIDE-VALVE DOCKING PROTECTION**

- 8" hydraulic slide valve between ball coupling and accelerator
- Prevents slurry leakage from transport tanks and/or onto the road
- Automatically hydraulically operated
- Parallel operation with slide valve in the docking pipe
- Machine width < 3 m

