



Vredo Self Propelled Trac

VT4556 TEBBE

New!



Vredo

The proven solution

Vredo

The best in the field

THE VREDO VT4556 TEBBE



Beside the Vredo VT4556 in slurry application, Vredo developed a version for spreading solid fertilising materials over the fields. This can be manure, but also compost, lime, sludge or sewage cake. The characters of the solid fertilizers have many variables and give a lot of possibilities in relation to the:

- Dosage, from less than 2 ton/ha till more than 35 ton/ha.
- Density, sewage cake is heavy and moisture (1.300 kg/m³) and compost is very light (400 kg/m³).
- Spreading speed, at low dosage a high driving speed is possible while spreading, this giving a higher capacity and hectares per hour.

This high capacity is very welcome for the machine owners; the season is short and many work needs to be done in the shortest time possible. Different materials require different technics to be spread over the fields. To meet the customers wishes Vredo developed together with Tebbe 2 variants, the mechanic and the hydraulic version. For both types Vredo received Tebbe's exclusivity for self-propelled machines.

One of the big advantages to have a Vredo VT4556 Tebbe is that the machine -also as solid material spreader- can work in crab-steer. The crab-steer function can be applied over the full speed range, always giving the lowest ground compaction.



THE MECHANIC VERSION

The mechanic version uses the (in this case) standard PTO, which connects the engine direct with the spreader-installation. This version is preferred because of the enormous capacity that can be spread with mainly heavy solids on a high application rate. Firstly the engine power is used for the spreader and the right dosage, after that the engine power is used for the hydrostatic driveline. A system that guaranties the highest efficiency and consequently has the lowest fuel consumption. The speed independent dosage is regulated with the controller operated speed of the floor chain. The 2 horizontal beaters in combination with the horizontal spreader discs of 1,00m diameter (5 vanes), give an exact and homogene spreader pattern. A pattern that with a trailed spreader hardly can be achieved.

THE HYDRAULIC VERSION

The hydraulic version uses 2 separate hydraulic systems to drive the horizontal beaters and the horizontal spreader discs. This variable drive speed will be set on the VTC, the Vredo Trac Controller. The actual speed and the hydraulic pressure are directly visible on the touch screen. The advantage of this system is that with the independent speed regulation for beaters and discs, a very precise dosage can be achieved with optimised homogenic spreading pattern. This is mostly applied with ultra-low dosages. By the application of hydraulics to drive the beaters and discs, it is exactly calculated which capacity is needed for the spreader installation. The engine capacity that is left, is more than sufficient to drive with the highest possible spreader speed. With the discs of 1,20m diameter (max. 8 vanes) a very good spreading is guaranteed, also with lighter dry fertilizers.



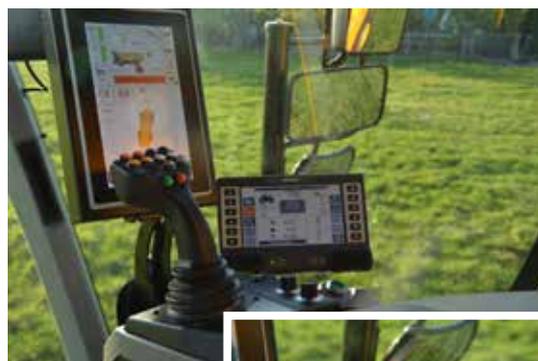
PRECISE DOSAGE

The precise dosage is achieved by Vredo's choice for a weight operated dosage system. Where competitors choose the volumetric regulations, the RDS Apollo controller regulates the dosage exact, based on the weight. The ISO-can controller offers many possibilities and is directly connected with the 4 load cells. Optional is the variable dosage, this means that with a prepared map the dosage is adapted to the place specific requirements. With this system a GPS steering system is needed. The RDS-controller is prepared to be connected with different types of GPS guidance systems.

OPTIONS

Standard every Vredo will be equipped with the most desired options on the machine. All work lights are standard (even in the skip), so that even into the night the VT4556 TEBBE can be used for spreading. Even more options are available to improve the character of the machine. Wooden wall extensions are available that will increase the capacity of the skip, but also give an easier and neater loading result. On the mechanical version the border spreading device is a must have, at the left hand or right hand side. Many users tow a trailer with a loading machine or a service van for the operator. The Vredo VT4556 TEBBE can tow a trailer of 19,5 ton, with the option for air brakes, an automatic trailer hitch and the connection for the traffic lights of the trailer.

With these options you make your Vredo even more versatile, an investment that pays back!



TECHNICAL SPECIFICATIONS

Vredo VT4556 TEBBE	
Engine	
Type	Scania DC13 384A, 13 litre, Stage 4 Tier 4f
Performance	331kW / 450HP @ 1500-1650 Rpm
Max. Torque	2275 Nm @ 1250 Rpm
Volume Fuel Tank (Fuel AdBlue)	600 Litre 60 Litre
Transmission	
Speed	Forward 0-19 kph, 0-40 kph, Step less (with Cruise Control) Reverse 0-19 kph, Step less
Axles	RABA Steeraxles
Differential locks	Front- & Rear axles, Operated from cab
Suspension	Front axle fully suspended, hydro-pneumatic with auto level
Steering modes	2-wheel steer (Front axle) / 4-wheel steer /Crab steer Left & right
Brakes	
Operational brake	Oil immersed brakes, Hydraulically operated
Parking brake	Spring operated parking brake on Front & Rear axle, hydraulically released
Hill brake	Engine brake / Hydrostatic brake
Tyres	Michelin
Michelin MegaXBib T2	1050/50 R32
Hydraulic system	SauerDanfoss
Load-Sensing max. Oil flow & Pressure	1x 175 l/min at max. 200 bar
Load-Sensing max. Oil flow & Pressure	1x 60 l/min at max. 200 bar
Closed loop system beaters, max pressure	2x 135 l/min at max. 420 bar
Volume Hydraulic tank	110 Litre
Cooling	Ventilator speed depending on temperature / Reverse direction for cleaning
Cab	Claas
	Cab suspension with screw springs and Koni shock absorbers Air suspended seat Grammer Maximo Super-Comfort Instructor seat Climate control Mirrors Electrical adjustable, heated and wide angle mirror Touchscreen Operational controller Camera & LCD Color monitor, Radio/CD Player
Lights	
Road Worklights (on Cab) Vehicle	Bi-LED Xenon Halogene LED
Muck spreader	Tebbe Big surface spreader
	Tebbe Big surface spreader 2 horizontal beaters 2 Spreader discs 120 cm, 8 Vanes per disc Double chain Rübige 100 mm Dimensions: Inside measures 5,3 x 2,20 x 1,25 m, 14,6 m³ flat loaded /20 ton load capacity Hydraulic dosage gate Floor speed regulation by RDS weighting system Tebbe
Dimensions	
Basic Vehicle	Length overall 7,30 m Width 3,00 m Height (1050 Tyres) 3,70 m Free space under machine (1050 Tyres) 0,45m Wheel base 4,50 m Turning radius 11,80 m (Outside diameter)
Spreader application	Length overall 8,20 m Width 3,00 m Height (1050 Tyres) 3.96 m Free space under machine (1050 Reifen) 0,45m Wheelbase 4,50 m Turning radius 11,80 m (Outside diameter)
Weight	
Basic vehicle	13,860 kg
Total weight (empty)	Tebbe: 20.120 kg
Standard specification	
	Automatic Greasing system SKF
Options	
	Tire pressure control system Low /High capacity with automatic dosage GPS-RTK Auto Steer system Trimble or GreenStar PTO front- and or rear (maximum Engine Power) 3-Point Linkage front Michelin IF 1000/55R32 tires with increased load capacity / lower compaction
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Dealer stamp/stempel/Stempel/tampon concessionnaire

Vredo

The best in the field