

Viatrac Aebi VT450



The hydro-pneumatic sprung Viatrac Aebi VT450

- Suspension comfort of an off-roader
- Front, rear or all-wheel steering and quasi crab mode selectable at the press of a button
- EURO 4 turbocharged diesel with particle filter
- Up to 5 ton load capacity
- Lockable hydraulic torsion damping
- Top-modern driver's cab
- Multifunction lever to operate the hydraulics
- On-board computer with large display screen
- Spring-operated brake and hill-holder

**The Viatrac from Aebi:
Gentle, clean and powerful!**





Technical data / Viatrac Aebi VT450

Engine

Detroit Diesel VM R754EU4, 2970 cm³, 72 kW (98 HP) at 2600 r.p.m., max. torque 350 Nm at 1400 r.p.m., torque build-up 32%, Common Rail, turbocharger and intercooling, EURO 4, particle filter.

Electrical system

12 V, alternator 105 A, battery 100 Ah.

Transmission

4-gear transmission with stages, half gears and reversing level (16/16 gears), preselecting and electro-hydraulically selectable stages without overlap. Hydraulic pump drive: Optional extra, flange mounted variable displacement pump on the gearbox to drive the winch, front-mounted PTO shaft, auxiliary drive, etc.

Driving speeds

2 – 45 km/hour.

Final drive

Permanent all-wheel drive via a lockable longitudinal differential. Torque distribution 50/50. Differential locking (100%) front and rear. electro hydraulically switchable locking. Planet reduction gears in the wheel hubs. Hydraulic torsion damping between the front and rear axles. Torsion optionally lockable.

Suspension

Hydro-pneumatic independent suspension based on the double wishbone principle on front and rear axles. Spring deflection +/- 50 mm; springing can be switched off and blocked; manual raising and lowering.

Power take of shaft

Rear mounted PTO shaft in accordance with DIN norm, independent of vehicle drive, synchronised gear change, speeds: 600 and 750 r.p.m. Electro-hydraulic PTO clutch.

Steering

Hydrostatic steering of front wheels, angle of lock 42°. Optional all-wheel steering with selection of front wheel, rear wheel and quasi crab mode steering modes. Telescopic steering wheel adjustable in height and angle with automatic cancellation of the indicators.

Hydraulics

30 l/min at 200 bar. Option (rear): 40 l/min, with coupling 70 l/min at 200 bar.

Tyres

425/55R17 front and rear (AS or Terra profile). 15.0/55-17 front and rear 285/70R19.5 front and rear (Municipal). Option: Dual tyres 7.50-18 front and rear based on basic tyres of 425/55R17 and 15.0/55-17.

Brakes

Foot brakes: Hydraulic dual-circuit brake system, disc brakes at front and rear, hydraulic servo assistance. Hand brake: Spring-operated brake on the cardan shaft, hill-holder operating on the front axle.

Driver's cab

Elastically mounted driver's cab, curved windscreen optionally with heating. Plastic roof with integrated working spotlights and winter service lighting. Radio installation prepared. Modern dashboard with integrated display screen. Doors, rear screen, heating (in the foot area) and defroster fitted as standard. Optional extra: Air conditioning installed under cab.

Operation

Multifunction control lever with two multi-function wind rose switches and additional buttons for the operation of the hydraulic functions, differential locking, etc. Positioned on the reversing lever. As an option, a second multifunction control lever in the form of a grab handle with the identical functions. Positioned near the right-hand arm rest.

Implements

Quick-fit connector system

As an optional extra, the quick-fit connector can be operated hydraulically from inside the cab. Compatible with previous implements.

Weights

Empty weight approx.	3000 kg
Permissible gross weight	8000 kg
Permissible front axle weight	4000 kg
Permissible rear axle weight, depending on tyres up to	5000 kg

Capacity

Fuel tank 90 l

Dimensions

Width of driver's cab	1900 mm
Width beyond tyres	1978 - 2500 mm
Height above cab (suspension on medium setting) approx.	2300 mm
Wheelbase	2750 or 3150 mm

Technical specifications subject to change without notice.