

Terratrac Aebi TT270



**The superiority of the
top class**

Leading-edge technology of the most powerful kind to satisfy the highest demands.





The technical data / Terratrak Aebi TT270

Engine

Detroit Diesel VM D754IE3, 2970 cm³, 4 cylinder with turbo-charger, 4-stroke, direct injection, water cooled, 70 kW (95 HP) at 2600 rpm to ECE R24, max. torque 420 Nm at 1000 rpm.

Electrical equipment

12 V, 120 A alternator, 88 Ah high-performance cold-start battery, automatic pre-heat system.

Transmission

Infinitely variable hydrostatic drive with adjusting pump, adjusting motor and 2-speed output gearbox. The vehicle-drive control system can be switched on and off.

Speeds

Forward and reverse: Off-road 0-9.5 / 0-20 km/h, road 0-16 / 0-40 km/h.

PTO shafts

Standard 1³/₈" , 6 splines, dry single-plate clutch operated electro-hydraulically, can be engaged and disengaged under load. Speeds: Front 550 and 1090 rpm, rear 580 and 760 rpm, front and rear independently pre-selectable. Direction of rotation: clockwise.

Axle drive

Permanent 4-wheel drive with Torsen inter-axle differential and fully lockable differentials in the front and rear axle, operated electro-hydraulically.

Steering

Hydrostatic 4-wheel steering, switchable to front-wheel steering, rear-wheel steering or quasi-crab mode steering by pushbutton control, change of steering mode as required with automatic detection and synchronisation of wheel positions via inductive sensors. Turning radius with all-wheel steering: 3.3 m (lock: 40°). With double tyres, turning radius 4.15 m (lock limit: 30°).

Tyres

All Ground 425/55R17 radial tyres. Other tyres on request.

Brakes

Hydraulic twin-circuit servo foot brake operating on all wheels; in addition, hydraulic driving brake, handbrake and single-wheel brakes on rear wheels.

Driver's cab

Dustproof all-round view comfort cab, vibration and noise-damping, with safety frame (tested to 79/622/EEC), front windscreen, side screens and glass door, curved rear screen can be opened. All screens tinted. Integrated automatic air-conditioning system. Ergonomic seat with multiple adjustments, with lap seat belt.

Operation

A total of 20 functions can be controlled via the drive lever. Using the keypad to the right of the driver, additional functions of the hydraulic-system, the heating and the air-conditioning system can be controlled, and operating sequences, such as the connection of the front and rear lifting equipment, can be programmed.

All information about the operating status and important settings are shown on a display or indicated by lamps.

Hydraulics

Bosch solenoids, pressure 175 bar, delivery rate 36 l/min at engine speed of 2600 rpm, 10 liter oil reservoir for hydraulic cylinders.

Front hydraulic linkage

3-point Cat. I, displaceable sideways hydraulically, with quick-connection capture sockets and top link, controllable via multi-function drive lever, max. lifting force 2000 daN at 175 bar. With self-regulating weight transfer and automatic calibration. Vibration absorption for road travel.

Rear hydraulic linkage

3-point Cat. II, raising, lowering, carrying, floating setting, lifting-rods with crank adjustment, max. lifting force 1800 daN at 175 bar. Quick-action coupling mechanism.

Auxiliary hydraulics

Four supplementary hydraulic connectors at front and rear, one double-acting with floating-setting.

Drawbar

Automatic trailer hitch with quick-action adjustment (height above ground 339 to 939 mm).

Dimensions

Length	4080 mm
Width	2110 mm
Height	2130 mm

Weights

Kerb weight empty	2600 kg
Permissible front axle weight	2400 kg
Permissible rear axle weight	2400 kg
Permissible total weight	4200 kg
Trailer weight (without brakes) max.	1500 kg
Trailer weight (with brakes) max.	3500 kg
Trailer weight with independent brake max.	6000 kg
Hitch load max.	600 kg

Fuel tank capacity

90 l

Optional equipment

Pair of 7.50 – 18 wheels for fitting double tyres at front and/or rear, 425/55R17 radial tyres with AS tread, load transfer hydraulic system at rear, 10 additional hydraulic connections front and rear, one double-acting with floating setting and valves, 8 additional hydraulic connections at rear, once single-acting with return pipe (for supplying a hydraulic motor on an additional valve block), 5 additional hydraulic connections, front and rear, once double action, front cardan shaft, heavy-duty construction with free-wheel, overload clutch and protection device. Hydraulic top link. Working headlights front and/or rear, revolving lamp, spring-loaded brake on front axle, snow clearance lighting.

Technical specifications are subject to change without notice.

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