

# Terratrac<sup>®</sup> Aebi TT180



**AEBI**

**Terratrac Aebi TT180:  
technical specifications.**

<b>Engine</b>	Detroit Diesel VM D704 TE2, 2776 cm <sup>3</sup> , 4-cylinder with turbo-charger, 4-stroke, direct injection, water-cooled, 61 kW (83 HP) at 2600 rpm to ECE R24, max. torque 290 Nm at 1400 rpm.	<b>Hydraulic system</b>	Bosch solenoids, pressure 175 bar, delivery-rate 28 l/min at engine speed of 2600 rpm, oil contents for hydraulic cylinders 10 litres.
<b>Electrical system</b>	12 V, 90 A alternator, 88 Ah high-performance cold-start battery, automatic pre-heat system.	<b>Front hydraulic system</b>	3 point Cat. I, displaceable sideways hydraulically, with quick-connection capture sockets and top-link, controllable via control lever, max. lifting force 2000 daN at 175 bar. With self-regulating load transfer and automatic calibration. Vibration absorption for road travel.
<b>Transmission</b>	Synchronised, 4-gear reversing transmission with electro-hydraulically pre-select split gear and 3 speed stepped transmission giving 24 forward and 24 reverse gears.	<b>Rear hydraulic system</b>	3-point Cat. II, raising, lowering, carrying, floating setting, lifting-rods with crank-adjustment, max. lifting force 1900 daN at 175 bar. Quick-action coupling mechanism.
<b>Speeds</b>	0.9-40 km/h	<b>Supplementary hydraulic system</b>	Four supplementary hydraulic connections front and rear; once double-acting with float setting.
<b>Power take-off</b>	Standard 1 3/8" profile, 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, pre-selectable separately front and rear. Direction of rotation, clockwise.	<b>Towing mechanism</b>	Automatic trailer hitch with quick-action adjustment (height above ground 339-939 mm).
<b>Axle drive</b>	4-wheel drive. Rear axle always engaged. Front axle can be engaged electro-hydraulically. 100 % electro-hydraulic differential lock on front and rear differentials.	<b>Dimensions</b>	Length 4080 mm Width 2110 mm Height 2130 mm
<b>Steering</b>	Hydrostatic 4-wheel steering, switchable to front-wheel steering, rear-wheel steering or quasi crab steering by push-button control, change of steering mode at will by automatic detection and synchronisation of wheel position via inductive sensors. Turning circle radius with all-wheel steering: 3.3 m (lock: 40°). With double tyres, turning circle radius 4.15 m (lock limit: 30°).	<b>Weights</b>	Kerb weight c. 2700 kg Permissible front-axle load 2400 kg Permissible rear-axle load 2400 kg Permissible total laden weight 3800 kg Trailer load, unbraked max. 1500 kg Trailer load, braked max. 3500 kg Trailer load with independent brake max. 6000 kg Hitch load max. 600 kg
<b>Tyres</b>	All Ground 425/55 R17 radial tyres. Other tyres on request.	<b>Capacities</b>	Fuel tank: 95 litres
<b>Brakes</b>	Hydraulic twin-circuit servo foot-brake operating on all wheels, handbrake and single-wheel brake on rear wheels.	<b>Supplementary - equipment</b>	Pair of 7.50-18 wheels for fitting double tyres at front and/or rear, 425/55 R17 radial tyres with AS tread, load transfer hydraulic system at rear, 10 additional hydraulic connections front and rear, once double-acting with floating setting and valves, 8 additional hydraulic connections at rear, once single-acting with return pipe (for supplying a hydraulic motor or an additional valve block), 5 additional hydraulic connections, front and rear; once double action, front cardan shaft, heavy construction with freewheel, 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.
<b>Cab</b>	Dust-proof all-round view comfort cab, vibration and noise damping, with safety frame (tested to 79/622/EEC), front wind-screen, sidescreens and glass door, curved, openable rear screen. All screens tinted. Integrated automatic air-conditioning system. Ergonomic seat with multiple adjustments, plus lap seat-belt.		Technical specifications are subject to change without notice
<b>Operation</b>	A total of 21 functions can be controlled via the lever. Using the keypad to the right of the driver, additional hydraulic-system functions, and also the heating and air-conditioning system can be controlled, and operating sequences such as coupling up front and rear lifting equipment can be programmed. All information about the operating state and important settings are shown via a display or with indicator lights.		

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