



# TRUXOR T50



## Truxor amphibious machines - since 1994

Our long experience of technology and product development as well as our close contact with customers and retailers around the world form the basis of the new generation of our Truxor machines. The T-series has been updated with several new features:

- Lightweight chassis in high-tensile steel
- Lifting arm with parallel movement
- Quick bracket X4
- LED work lights
- Digital screen
- Digital technology that improves machine performance and facilitates service

The digital screen provides information from the engine and other systems. Digital troubleshooting facilitates service and maintenance. The digital screen also makes it possible to adjust some of the machine's functions, such as drive band balance and speed, flow adjustment of hydraulic outlets, emergency operation etc.

### Hydraulic system with thermostat

A modern hydraulic system increases the performance when the hydraulic oil temperature exceeds 40 degrees. To achieve optimum temperature, there is a thermostat controlling the minimum temperature. The right hydraulic oil temperature improves performance and ensures better operating economy.



### T50 - the most powerful Truxor for power-demanding tools

The Truxor T50 is the most powerful machine in the T-Series, equipped with a 50 hp diesel engine that meets the highest environmental class standards EU Stage V and EPA Tier 4.

The powerful engine and a new hydraulic system guarantees the highest levels of performance and operational reliability for your job. Truxor T50 easily operates in demanding environments with power-demanding tools.

Already at 1400 rpm, the machine has a high performance. The ability to work with the machine at low rpm reduces both fuel consumption and noise level.



<p><b>MOTOR:</b> Hatz 3H 50 TICD dieselmotor Common Rail 37 kW 50 hp, Intercooler, Can-bus system, <b>EU Stage V and EPA Tier 4 final certified</b>, 2,400 rpm. Diesel Particulate Filter (DPF). Max torque 185 Nm</p> <p><b>FUEL TANK:</b> 35 l</p> <p><b>COOLING SYSTEM:</b> Combined engine/hydraulic/intercooler system. The air intake of the radiator is equipped with a filter (prevent dirt from entering the radiator cells). Thermostat controls the hydraulic oil temperature, improving machine performance.</p> <p><b>ELECTRIC SYSTEM:</b> 12V/150 Amp, 60 ah battery. Automatic stop function if the engine overheats or the oil pressure is too low. Warning system for driving at maximum slope. 4 LED work lights.</p>	<p><b>RIGHT JOYSTICK:</b> Lifting, tilting, move cabin forward and rear (weight distribution), control of hydraulic outlet 3 and hydraulic outlet 4.</p> <p><b>Hydraulic outlet 1 (front):</b> Working pressure 140 bar. adjustable flow 0-20 l/min</p> <p><b>Hydraulic outlet 2 (front):</b> Working pressure 130 bar. adjustable flow 0-11 l/min</p> <p><b>Hydraulic outlet 3 (front):</b> Working pressure 200 bar. Adjustable flow 0-60 l/min</p> <p><b>Hydraulic outlet 3 (rear):</b> Working pressure 200 bar. Adjustable flow 0-60 l/min</p> <p><b>Hydraulic outlet 4 (rear):</b> Working pressure 130 bar. Adjustable flow 0-11 l/min.</p>
<p><b>HYDRAULIC SYSTEM:</b> Hydraulic pump with variable displacement (Load sensing controlled), 65 cm<sup>3</sup>/r. Hydraulic power: 26 kW/35hk.</p> <p><b>Hydraulic tank:</b> 19 l, system 35 l. Cyclone technology forced ventilation. Environmentally friendly system with automatic stop of the engine if the oil level drops by more than 8 litres. (Minimises oil spills) <b>Hydraulic valve:</b> 9 functions.</p> <p><b>Control system:</b> CAN bus based electronic control units with remote assistance.</p>	<p><b>DIMENSIONS:</b> Total length max. 5030 mm, min 4700 mm. Total width 2080 mm. Total height max 2600, min 2020 mm. Set weight : 1470 kg</p> <p><b>DRIVING SPEED:</b> 0-100 m/min</p> <p><b>FRONT LIFT:</b> Lifting power 400 kg, X4 bracket for fast change of tools. Semi-automatic locking of tools.</p>
<p><b>DRIVERS SEAT:</b> Ergonomically adjustable driver's seat with thermostatically controlled electric heated seat. Folding cab. Adjustable controls.</p>	<p><b>MATERIAL:</b> Drive band (paddle track) of rubber. Paddles and slide rails in strong plastic. Pontoons manufactured of saltwater-resistant aluminium. Heat galvanised steel structure.</p>
<p><b>DASHBOARD:</b> Digital high resolution display for speed, engine temperature, oil pressure engine, timer, fuel gauge, hydraulic oil temperature, hydraulic pressure, hydraulic flow, emergency operation, on board diagnostics, clock etc.</p>	<p><b>ITEM NO:</b> 94-T50</p> <p><b>LIMITED WARRANTY TERMS:</b> 24 months or 1000 hours of operation</p>
<p><b>LEFT JOYSTICK:</b> Driving forward/backward/right/left. Speed is controlled by a joystick and with precision driving controls. Control for hydraulic outlet 1, hydraulic outlet 2.</p>	<p><b>OPTIONS:</b> Hydraulic oil environmentally friendly. Panolin replaces standard hydraulic oil. 36 litre <b>Item no: 94-T50E</b></p>

The engine is equipped with a diesel oxidation catalyst system and requires the following fuel specifications :

Europe: EN 590

UK: BS 2869 A1 / A2

USA: ASTM D 975-09a 1-D S15 or 2-D S15

Japan: JIS K 2204

The use of fuel that does not meet the specifications can lead to engine damage.

Truxor T50 can be equipped with engine options suitable for lower quality diesel fuel. For further information, please contact Dorotea Mekaniska AB.



Thanks to its high performance, the T50 is the excellent tool carrier for power demanding tools, such as the Doro pumps. All tools and accessories are compatible with the Truxor T50. Technical information is available at the website: [www.doroteamekaniska.se](http://www.doroteamekaniska.se)



Doro cutter ESM 20



Doro cutter ESM 30



Reed rake



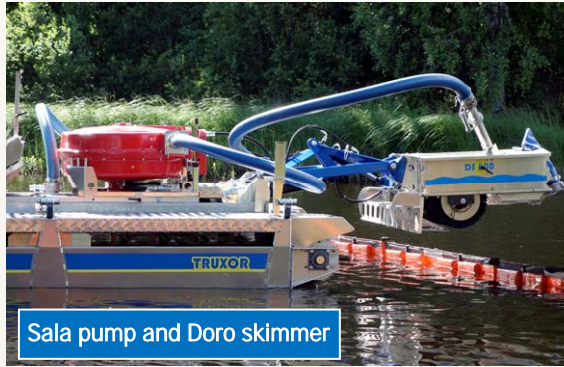
Doro cutter D20



Doro grip - Grip bucket



Doro cutter ESM 50



Sala pump and Doro skimmer



Doro grip - Grip rake



Dorotea Mekaniska AB are specialised in machines for lake cleaning, maintenance of wetlands and waterways. Since 1990 we have been delivering, manufacturing and developing products, turning innovative thinking into reality. We offer everything from the small and simple reed cutter to the professional machine for reed cutting, dredging, oil spill clean-up, digging, piling etc.

The Dorotea factory, located in the north of Sweden, is the centre of production, spare parts and sales. We have customers and distributors all over the world. Spare parts for our products can be obtained from us or from our major distributors.



[www.doroteamekaniska.se](http://www.doroteamekaniska.se)

The manufacturer reserves the right to make changes to the technical specifications and product range.



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