



TOOLTRAK LAUNCH & RECOVERY

The RNLI Tooltrak is a compact rubber tracked crawler based tool carrier for use in marine environments for the launch and recovery of lifeboats and other craft. It is designed for operating on extremely soft ground conditions such as estuary mud or sand, or on shingle beaches. The machine is capable of wading to a depth of 0.65m and is able to withstand momentary swamping by wave action (0.65m) front the front or rear without the engine stalling or the windscreens being damaged. In the event of water ingress the Tooltrak is fitted with an automatic bilge pump mounted within the vehicle sump.



The cab, chassis and undercarriage are all shot blasted, then hot dipped galvanized for excellent corrosion protection. The cab is coated with a thick (2-3mm) polyurethane coating to provide a durable an attractive finish. The fuel tank, cab roof, control boxes etc. are 316 stainless steel. Hydraulic hose ends are 316 S/S. Fasteners and other steel components are either S/S or zinc/nickel plated.

The comfortable two-man cab comes with half height doors and unbreakable polycarbonate front and rear screens with scratch resistant coating. The cab is fitted with two fixed seats with lap belts, with the option of suspension seats throughout. Front and rear halogen work lamps and full LED road lights are standard along with front and rear LED blue flashing beacons. The rubber suspension allows the cab to be tilted forward to allow easy access to the transmission for major service. An emergency exit is provided through the roof.

The optional front linkage allows the fitting of a full width bulldozer blade (fitted with optional Dixon bate hitch) or a hitch can be fitted directly to the linkage. A Dixon Bate hitch is fitted as standard to the rear of the vehicle.

The powerful turbo diesel engine is allied to a servo control, hydrostatic transmission system to give step less speed control with full automatic braking. The track motors allow high tractive effort when climbing steep slopes or carrying heavy loads. With the twin pump/motor hydrostatic transmission, power is transferred from the slower track to the faster track during turns minimizing power loss. The track motors are fitted

The patented, single joystick control is unique to Loglogic and allows exceptionally smooth control of all the transmission functions from contra-rotation on the spot, at low speed, to wide sweeping curves at high speed, all at the touch of a lever. The throttle is also integrated into the joystick handle. As a safety feature, on release, the joystick will automatically return to the neutral position bringing the machine to a controlled stop. The control lever must also be in the neutral position to start the engine. For emergency braking and parking the Tooltrak is supplied with maintenance free oil immersed multi disk brakes as standard with an integral manual brake release system

Technical Specifications

Engine:

Lombardini 4 cylinder turbo diesel.
 Power (DIN 70020)
 48.1kw(65.3hp)
 Capacity.....2199cc
 Max Torque.....190Nm @ 1800rpm

Transmission:

Fully hydrostatic with servo operated pumps and single speed track motors.
 Pump capacity 2 x 63l/min
 Motor capacity..... 2 x 398cc
 System
 pressure.....350bar

Auxiliary hydraulic system:

4.5cc gear pump and single bank spool valve fitted as standard (max 4)
 Flow (2600rpm)11.5 l/min
 Maximum pressure 150bar

Track Gear:

Bridgestone rubber track system with fully floating bogies and hydraulic tensioning.

Track

Width.....350/400/600mm
 Max tractive effort2400kgs
 Ground Pressure (unladen 400mm tracks) 1.5psi
 Maximum Speed.....10 kph

Capacities:

Fuel.....60lts
 Hydraulic oil60lts
 Weight (Base machine)1300kg.

