

922G 4x4 Water Cart.



A unique combination of articulated center pivot, wide wheels and high ground clearance. For high mobility and low ground pressure.

Key features

- 16,000 litre water tank.
- Compact and superb off road.
- Simple to operate, very safe and robust.
- Well suited for rental or contracting.



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Technical Data.

Chassis

Articulated chassis with pendulum bar and double hydraulic stabilizers in the center pivot. Gives a high degree of stability both when driving and dumping. Fabricated in high tensile steel in order to obtain the highest possible strength and the lowest possible unladen weight. Fuel tank 300 l. Ad Blue tank: 31 l. Oscillation: +/- 12°.

Axles

Front axle: Rigid axle with electronically controlled suspension and level control. Individual level control on each side aligns the machine in optimal position. Differential lock with 75% locking action. **Rear axle:** Rigid axle with differential lock for 100% locking action.

Hydraulic system

Consists of 5 hydraulic pumps: **Pump 1:** 31 l/min constant flow pump for brakes, stabilizer, differential lock and suspension. **Pump 2:** 185 l/min variable pump for articulated steering. **Pump 3:** 195 l/min constant flow pump for working hydraulic and retarder. **Pump 4:** 195 l/min constant flow pump for additional retarder power. **Pump 5:** 64 l/min variable flow pump for emergency steering.

Safety

Additional safety is provided via:

Indicating sensors

Rear-view camera

Brake wear indicator shows if the brakes are overheating.

Steering

Servo activated hydrostatic steering. Separate variable pump for steering function. Max. steering angle: +/- 38°

Engine

Cummins B6.7 liter 6 cyl. Stage-V engine with DOC, DPF and SCR catalyst with Ad-Blue additive. 24-valve common rail turbo-diesel with intercooler and electronic variable turbocharger (used for engine brake). Max. Power: 231 kW/314 HP at 2000 rpm. Max. Torque: 1288 Nm at 1500 rpm.

Transmission

ZF ERGOPOWER 6WG-210 aut. Transmission with 6 forward and 3 reverse gears. The transmission is equipped with 100% lockup in all gears and manual activated differential lock between the front and rear. Automatic or manual gearshift. Max speed: Forward: 50 km/h - Reverse: 31 km/h. Max. tractive effort: 223 KN.

Water Tank

16,000 litre capacity, hydraulically driven close coupled Stalker water pump, with 800 L/m capacity. Three rear sprays and one gravity dribble bar, all hydraulically & independently operated. Remote control extreme condition electric cannon. Specifically designed to suit the base machine giving a low centre of gravity.

Brakes / Retarder

Full dual-circuit brake system with oil immersed disc brakes on all 4 wheels. Fail-Safe parking brake on the front axle. Maintenance-free brakes. Manually operated retarder which is a combination of engine brake and hydraulic retarder. Max. Retarder Power: 300 kW/405 hp.

Electrical system

Standard 24V system with 70 Amp. alternator. Batteries: 2x 12V, 100Ah.

Dimensions

		922G 4x4
Total machine weight (empty tank)	kg	16,095
Carrying capacity	kg	16,000
Standard tyres	Front / Rear:	650/65-R25 / 775/65-R29
Width over tyres	mm	3039
Height	mm	3676
Ground clearance	mm	480
Wheelbase	mm	4046
Total length	mm	7613
Tank volume	litre	16,000
Turning radius	m	7.6
Ground pressure (full load)	kPa	174



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