

# 912E Series watercart.

912E 912ES 912HM



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

## Key features

- 10,000 litre articulated watercart.
- Compact and superb off road.
- Low ground pressure.
- Simple to operate, very safe and robust.
- Well suited for rental or contracting.



ADT WESTERN AUSTRALIA  
230 Barrington Street  
Bibra Lake WA

Phone: +08 9434 4566  
sales@moxxy-wa.com.au  
www.moxxy-wa.com.au



# Technical Data.

## Chassis

Articulated chassis in heavy-duty robotwelded construction. Front axle suspension in pivot bearings and two spring cylinders. Pivot with pendulum bar and double hydraulic stabilizer with the option of locking the oscillation movement. Fuel tank and hydraulic tank are integrated into the front chassis. Oscillation: +/- 12°.

## Axles

Rigid axles are fixed on 912E, whilst the front axle is sprung on 912ES and 912HM. The axles have planetary reduction in the wheel hubs and separate oil chambers for the hubs. The front axle has automatic limited-slip differential lock and the rear axle has electro-hydraulically activated 100% differential lock.

## Operator cab

Spacious ROPS/FOPS approved cab with suspension. Mechanical air-suspended seat. Adjustable steering wheel.

## Transmission

ZF WG115 6-speed fully automatic "ERGO-POWER" with full electronic control. 6 forward/3 reverse gears. Electronically controlled pressure on each clutch. Manually shift possible using push buttons on the joystick. Constant 4WD.

## Brakes

Dual-circuit hydraulic servo system with immersed brake discs 4 wheels. Self-adjusting and maintenance-free. Handbrake: Maintenance-free, "Fail-safe" parking brake with electro-hydraulic activation of the wet disc brakes on the front axle.

## Steering

Hydrostatic Load Sensing pivot steering with 2 double acting cylinders. Priority valve and integrated emergency steering. Control cylinders with damping. Max. steering angle: +/- 35°.

## Hydraulic system

Hydraulic pump with 84 l/min for tipping function and with priority valve for steering function. Separate hydraulic pump for brakes and pivot stabilizers.

## Engine

Cummins QSB 4.5 stage 3b engine with DOC catalyyst. 16 valve common rail turbo diesel with intercooler, electronically variable turbo charger and EGR valve.

Max power: 141 hp (105 kW) at 2000 rpm.

Max. torque: 620 Nm at 1500 rpm.

## Water Tank

10,000 litre capacity, hydraulically driven close coupled Stalker water pump, with three rear sprays and one gravity dribble bar, all hydraulically & independently operated. Ability to lift tank for servicing. Optional electrically driven remote controlled canon, either front bumper or tank top mounted.

## Noise level

LpA : (cabin) 70 db (A)

LWA ( outside) 104 db (A)

## Fuel

Diesel. 140 L fuel tank.

## Dimensions

		912E	912ES	912HM
Machine weight (unloaded)	kg	8.330	8.600	9.320
Carrying capacity	kg	10.000	10.000	10.000
Tyre size		600/55-26.5	600/55-26.5	800/45-30.5
Width over tyres	mm	2490	2490	2870
Height	mm	3064	3064	3180
Ground clearance	mm	450	450	520
Wheelbase	mm	3080	3080	3080
Total length	mm	6767	6767	6767
Tank volume	l	10,000	10,000	10,000
Turning radius	mm	6100	6100	6300
Ground pressure (full load)	kg/cm <sup>2</sup>	1,25	1,27	0,88



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