



AD20B

6x4 and 6x6
Articulated Water Tanker



BUILT AFRICA TOUGH

Designed and Manufactured in South Africa



Axles

Front	:	Desmond Axle with self leveling air bag suspension
6x6	:	Hypoid differential with final drive reduction
6x4	:	Non-drive 15 tonne
Rear	:	DESMOND tandem drive free swinging walking beam. Hypoid differential with reduction in tandem

Steering

- Articulated with 40° steering angle either side
- Load-sensing, orbital-controlled

Tyres

Front / Rear	:	20.5R 25 Radial
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Frame

Heavy duty robust frame, front and rear with tube type oscillation, adjustable.

Electrics

Voltage	:	24 Volt
Battery	:	2 x 12 Volt sealed type
Alternator	:	24 Volt / 70 Amp

Brakes

Front 2 wheels	:	Air-operated S-cam failsafe drum brakes
Rear 4 wheels	:	Air over hydraulic disc brakes
Park Brake	:	Air-operated failsafe disc brake on propshaft and front axle

Cab Features

- ROPs and FOPs certified
- Rubber mounted
- Adjustable suspension seat with seat belt
- Trainer driver seat
- Air conditioner and tinted windows
- Orange beacon light and rear work lights
- Dashboard with full instrumentation
- Interior dome light
- Windscreen wiper

Pneumatic System

Capacity	:	80 Liters
Working pressure	:	120 Psi (8.1 Bar) with dual circuit unloader

Engine

Type	:	Cummins
Model	:	QSB 260 - TIER 3
Capacity	:	6.7 Liters
Power	:	194kW @ 2200 RPM
Torque	:	990 Nm @ 1500 RPM

Hydraulic System

Oil Capacity	:	170 Liters
Pumps	:	Fixed displacement external gear pump
Working Pressure	:	Steering - 17 Mpa Full flow filtration

Transmission

Type	:	ZF
Model	:	6WG210
Gearing	:	Constant mesh counter shaft with integral drop box.
Gears	:	Forward - 6 Reverse - 3
Speed	:	65Km/H
Torque Converter	:	Single phase 3 element, lock-up clutches effective in all gears. Downshift protection.
Diff Lock	:	Inter axle lock

Service Capacities

Cooling system	:	50 Litres
Engine Crankcase	:	23.9 Litres
Rear Axle Differential	:	20 Litres
Transmission	:	18 Litres
Diesel Tank	:	250 Litres
Tandems	:	110 Litres (each)

Standard Equipment

- Emergency braking
- Front tow hooks
- Hinged belly plate under engine
- Air cleaner service indicator
- Rear window guard
- Back-up alarm
- Tinted Windows
- Full road ordinance lights
- Wheel mud flaps
- Rear view mirror

Optional Equipment

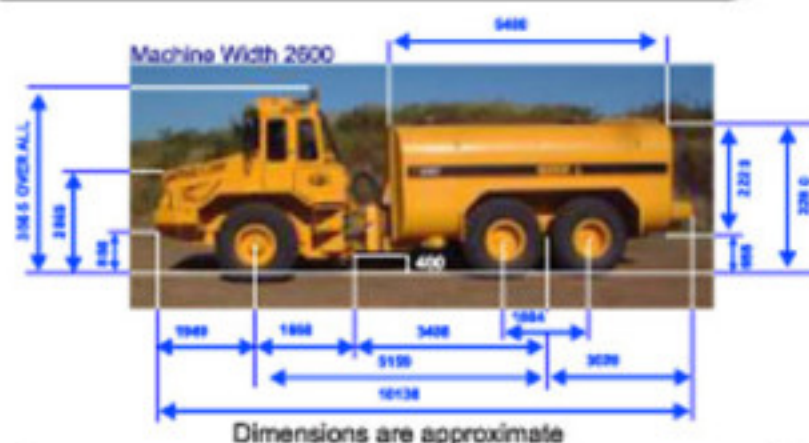
- Radio/Tape
- Tachograph
- Bin Liner kit
- Engine monitoring system
- Light guards

Operational Weights

	Tare	Gross	Payload
Front Axle	8520	10240	1720
Middle Axle	4940	14080	9140
Rear Axle	4940	14080	9140
TOTAL	18400	38400	20000

ETT Standard 18000L Water Tanker Specification

- Three transverse and two longitudinal baffles
- Superior low centre of gravity design for increased stability
- Three fixed spray nozzles with 180° spread
- Spray nozzles are automatically activated when pump is turned on in cab
- External water pump capable of 800l/min
- Full pump speed is achieved at engine idle
- One pump used for suction and spraying. Selection suck line
- Level gauge (visible driving station) is provided
- 6mm Flexible external suction hose with foot valve and strainer



DESMOND EQUIPMENT

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Desmond Equipment S.A. reserves the right to modify specifications without notice.

DEALER