



AD20B

4x2

Articulated Dump Truck



B U I L T A F R I C A T O U G H

Designed and Manufactured in South Africa



Axles

Front : Desmond Axle (4x2)
Rear : Graziano PR 15 axle

Steering

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

Front/Rear : 23.5 x 25 Radial

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 2 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
- Fully 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 valve controlled system

Engine

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

Loadbin Volume

SAE 1:1 : 14.50m³
SAE 2:1 : 11.20m³
STRUCK : 8.20m³

Transmission

Type : ZF
Model : 6WG210
Gearing : Constant mesh counter shaft with integral drop box.
Gears : Forward - 6
Reverse - 3
Speed : 50Km/H
Torque Converter : Single phase 3 element, lock-up clutches effective in all gears. Downshift protection.

Hydraulic System

Oil Capacity : 170 Liters
Pumps : Fixed displacement external gear pump
Working Pressure : Steering - 17 Mpa
Tipping - 5 Mpa
Full flow filtration

Service Capacities

Cooling system : 50 Litres
Engine Crankcase : 21 Litres
Rear Axle Differential : 40 Litres
Transmission : 18 Litres
Diesel Tank : 200 Litres

Standard Equipment

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

Optional Equipment

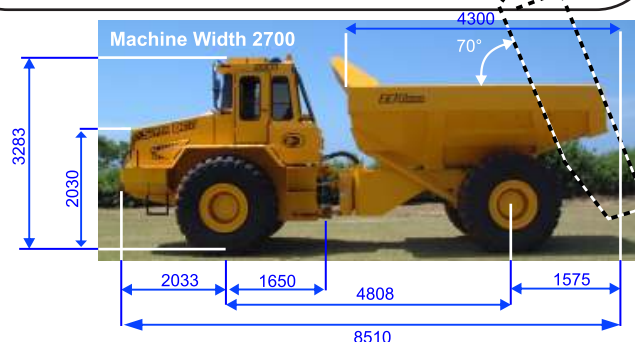
- Radio/Tape
- Tachograph
- Bin Liner kit
- Engine monitoring system
- Light guards

Operational Weights

	Tare	Gross	Payload
Front Axle :	9380	17080	7600
Rear Axle :	7320	19820	12400
TOTAL :	16700	36900	20000

Tipping Times (Approx.)

Up : 9.8 Seconds
Down : 7.1 Seconds



Dimensions are approximate

DESMOND EQUIPMENT

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