



**AD30B**

6 x 4 & 6x6  
Articulated Dump Truck



**BUILT AFRICA TOUGH**





### Axles

Front	:	Graziano Pr15 Axle with self leveling air bag suspension
6x6	:	Hypoid differential with final drive reduction
6x4	:	Non-drive
Rear	:	DESMOND tandem drive free swinging walking beam. Hypoid differential with reduction in tandem and differential lock

### Steering

- Articulated with 40° steering angle either side
- Load-sensing, orbital-controlled
- Ground driven emergency steering pump

### Tyres

Front / Rear	:	23.5R25 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

Engine	:	Air-operated exhaust brake
Front 2 wheels	:	Air over hydraulic disc brakes
Rear 4 wheels	:	Air over hydraulic disc brakes
Park Brake	:	Air-operated failsafe disc brake on front and rear differentials

### Cab Features

- ROPs and FOPs certified
- Rubber mounted
- Adjustable suspension seat with seat belt
- Trainer driver seat with seat belt
- 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 275 - TIER 3 Turbocharged & intercooled
Capacity	:	6.7 Liters
Power	:	205kW @ 2300 RPM
Torque	:	990 Nm @ 1500 RPM

### Loadbin Volume

SAE 1:1 - 20.00m³	SAE 2:1 - 16.50m³	STRUCK - 13.00m³
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### Transmission

Type	:	ZF
Model	:	6WG210
Gearing	:	Constant mesh counter shaft with integral drop box.
Gears	:	Forward - 6 Reverse - 3
Speed	:	55Km/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	:	23.9 Litres
Rear Axle Differential	:	20 Litres
Front Axle Differential	:	36 Litres
Tandems	:	120 Litres (each)
Transmission	:	18 Litres
Diesel Tank	:	250 Litres

### Standard Equipment

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

### Optional Equipment

- Radio/Tape
- Tachograph
- Bin Liner kit
- Light guards

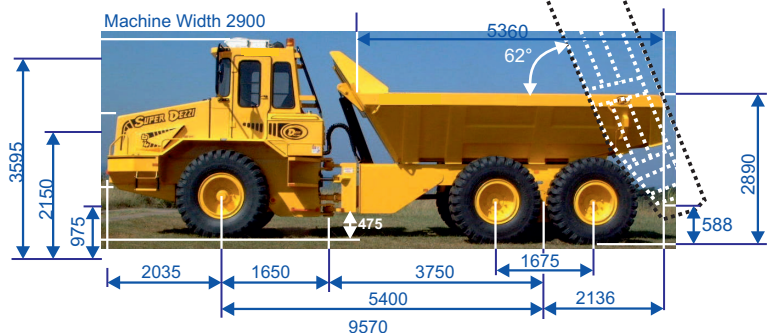
### Operational Weights

	Tare	Gross	Payload
Front Axle	8640	13640	4720
Middle Axle	5280	17630	12490
Rear Axle	5280	17630	12490
<b>TOTAL</b>	<b>19200</b>	<b>48900</b>	<b>29700</b>

### Tipping Times (Approx.)

Up - 9.8 Seconds

Down - 7.1 Seconds



Dimensions are approximate

kiwa



**DESMOND EQUIPMENT**

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