

# DESMOND EQUIPMENT S.A.

## **DEZZI AD20 B-SERIES 6x4 & 6x6 ARTICULATED DUMP TRUCKS**



***-Rugged -Reliable -Productive***



### ENGINE

**Type:** Caterpillar  
**Model:** 3126B  
**Aspiration:** Turbocharged  
**Capacity:** 7.2 Liters  
**Power:** 186kW @ 2500 RPM  
**Torque:** 926Nm @ 1650 PRM

### TRANSMISSION

**Type:** ZF  
**Model:** 6WG210  
**Gearing:** Constant mesh  
 Counter shaft with internal drop box  
**Gears:** Forward - 6  
 Reverse - 3  
**Speed:** 70 Km/H

**Torque Converter:** Single phase, 3 element, lock-up clutches effective in all gears.  
 Downshift protection

### AXLES

**Front:** Desmond axle with self leveling Airbag 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. Diff lock standard

### STEERING

- Articulated
- Steering angle - 35° either side
- Load sensing, orbital controlled with Q-Amp 2 1/2 turns lock to lock

### TYRES

**Front/rear:** 20.5 x 25 Radial

### FRAME

Heavy duty rodust 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:** Air operated S-cam failsafe drum brakes

**Rear:** Air over hydraulic discbrakes on all four wheels

**Park Brake:** Air operated failsafe disc brake on transmission and front axle

### CAB FEATURES

- Fully adjustable weight compensating suspension seat with seat belt
- Rubber mounted
- Interior dome light
- Windscreen wiper
- Fully-enclosed and lockable
- Rear cab night working lights
- Rotating orange beacon light
- Trainer driver seat

### HYDRAULIC SYSTEM

**Oil Capacity:** 160 Liters  
**Pumps:** Fixed displacement external gear pump

**Working pressure:** Steering - 17 Mpa  
 Tipping - 5 Mpa  
 Full flow filtration

### SERVICE CAPACITIES

**Cooling system:** 50 Liters  
**Engine Crankcase:** 21 Liters  
**Transmission:** 18 Liters  
**Rear axle/Differential:** 20 Liters  
**Tandems:** 110 Liters (Each side)  
**Diesel tank:** 200 Liters

### STANDARD EQUIPMENT

- Tinted windows
- Rear view mirrors
- Emergency braking
- Full road ordinance lights
- Indicators
- Dashboard with full instrumentation
- Hinged belly plate under engine
- Front tow hooks
- Air cleaner service indicator
- Rear window gaurd
- Airconditioner
- Back-up alarm

### OPTIONAL EQUIPMENT

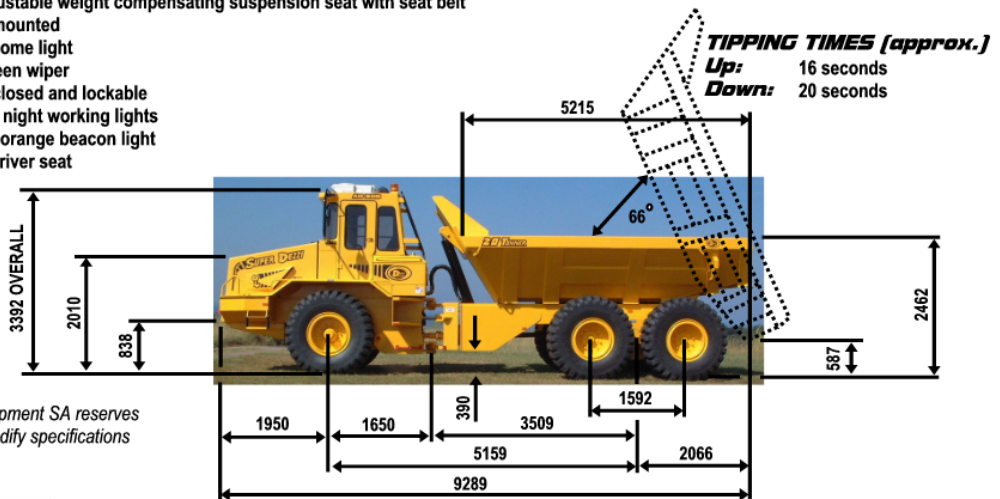
- Radio / Tape
- Tachograph
- Bin liner kit
- Engine monitoring system
- Light gaurds
- Wheel mud flaps

### OPERATING WEIGHTS

	Tare	Gross	Payload
<b>Front axle:</b>	8420	12000	1720
<b>Middle axle:</b>	4830	13040	9140
<b>Rear Axle:</b>	4830	13040	9140
<b>Total</b>	18080	38080	20000

### PNEUMATIC SYSTEM

**Capacity:** 80 Liters  
**Working pressure:** 120 Psi (8.1 Bar)  
 Unloader valve controlled  
 Dual circuit system



Desmond Equipment SA reserves the right to modify specifications without notice



**DESMOND**  
**EQUIPMENT S.A.**

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**Dezzi Dealer**