



# D2500 WHEEL LOADER



**BUILT AFRICA TOUGH**

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# D2500 WHEEL LOADER

## SPECIFICATION SHEET

\*Desmond Equipment SA (Pty) Ltd reserves the right to modify specifications without notice.

### ENGINE

TYPE : Cummins  
 MODEL : 6BT - 5.9 Turbocharged - FR90869 Tier 2  
 CAPACITY : 5.9 Litres  
 POWER : 165Hp (123KW) @ 2500 RPM  
 TORQUE : 609Nm @ 1600 RPM

### TRANSMISSION

TYPE : ZF  
 MODEL : 4WG160  
 • 4 Speed automatic/power shift transmission (modulated directional clutch)  
 • Driven via converter from engine  
 • Operation by single lever on left of steering wheel  
 MAXIMUM SPEED IN GEARS : 4 Forward - 3 Reverse

	FIRST	SECOND	THIRD	FOURTH
FORWARD (km/h)	7.6	13.9	26.0	43.0
REVERSE (km/h)	8.0	14.6	28.0	-

### AXLES

TYPE : ZF  
 MODEL : AP 3085  
 • Front axle fixed, rear axle oscillates through 12°  
 • External planetary hub reduction and inboard wet sealed disc brakes  
 • Limited-slip front and rear differentials

### TYRES

STANDARD TYRES : 20.5 R25

### BRAKES

SERVICE BRAKE  
 • Inboard, sealed, wet brakes activating all four wheels  
 • Fully hydraulically activated with fail safe  
 • Brakes are activated by use of one brake pedal  
 PARK BRAKE  
 • Mechanical type brake acting on the drive shaft  
 • Operator engages manually

### STEERING

• Centre pivot - frame articulation  
 • Fully hydraulically powered with flow controlling system  
 • Full flow filtering  
 • Steering angle - 40° in each direction

### ELECTRICS

VOLTAGE : 24 Volt  
 BATTERY : 2 x 12 Volt  
 ALTERNATOR : 24 Volt / 70 Amp

### LOADER HYDRAULIC SYSTEM

• Closed system with pressure control  
 • Fixed displacement gear type pump  
 • Full flow filtering - Max flow 214 L/mm

### MAIN HYDRAULICS

• Two 139.7mm bore x 828mm stroke double acting cylinders  
 • Working pressure - 2400 Psi

### TILT HYDRAULICS

• Two 114.3mm bore x 617mm stroke double acting cylinders  
 • Working pressure - 2 400 Psi

### CAB

• Fully adjustable mechanical seat with arm rests  
 • ROPS / FOPS Certified  
 • Front Wipers  
 • Roof-mounted ventilation fan with filters  
 • OPTION - Air-conditioner with filters  
 • Noise Level 85db

### SERVICE CAPACITIES

COOLING SYSTEM : 32 Litres (50% anti-freeze)  
 ENGINE CRANKCASE : 16 Litres  
 DIFFERENTIALS : 28 Litres (per differential)  
 TRANSMISSION : 26 Litres  
 DIESEL TANK : 240 Litres  
 HYDRAULIC SYSTEM : 185 Litres (Tank Only)  
 210 Litres (Total System)  
 PLANETARY HUB : 6 Litres (per planetary)

### OPERATIONAL WEIGHTS

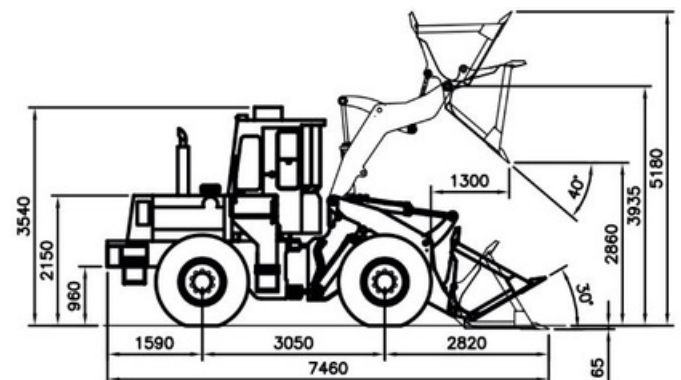
OPERATING WEIGHT : Front Axle - 6 950kg  
 Rear Axle : 8 100kg  
 Total : 15 050kg  
 BREAKOUT FORCE : 12 600kg  
 STATIC TIPPING LOAD : Straight - 12 390kg  
 Full turn 40° : 11 522kg  
 TURNING CIRCLE : 6 470mm radius outside bucket

### BUCKET SPECIFICATIONS

GENERAL PURPOSE BUCKET : 2.3m<sup>3</sup> / 2.5m<sup>3</sup> / 2.7m<sup>3</sup> (4 400kg Max)  
 BUCKET WIDTH : 2 700 mm

### BUCKET CONTROLS

• Hydraulic, pilot operated by use of single lever joystick on right side of operator seat.



Machine width (mm) - 2700

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