4206 D CONSTRUCTION SCRAPER TRACTOR 4X4 MKV





What makes the 4206D the Ultimate Scraper Tractor...

- True construction machine heritage.
- Heavy duty drivetrain, transmission and axles designed for 60 ton + gross weight application.
- Supreme driver comfort from a nitrogen over oil strut semi independent suspension system.
- Programmable Hydraulic Control System permitting fine tuning of the Scraper controls.
- Torque converter drive with lock up clutch provides torque multiplication while reducing drivetrain shock loads.
- Lock up clutch provides direct drive economy.

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All dimensions are shown in millimetres, unless otherwise stated between brackets.

Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. Photographs featured in this brochure may include optional equipment.

Strong Reliable Machines Strong Reliable Support

206 D CONSTRUCTION SCRAPER TRACTOR 4X4 MKVI

Gross Power: 205 kW (275 hp)Gross Torque: 1 000 Nm (736 lbft)

Gross Weight: 12 120 kg (26,712 lbs)



Mercedes Benz OM501LA

Configuration

Turbocharged and intercooled Aspiration Liquid cooled with single pass radiator Cooling System

as well as charge air cooler 315 kW (422 hp) @ 1 800 rpm **Gross power**

SAE J1349

308 kW (413 hp) @ 1 800 rpm Net Power 2 000 Nm (1,473 lbft) @ 1 080 rpm Gross torque

SAE J1349

1 974 Nm (1,453 lbft) @ 1 080 rpm **Net Torque**

11,95 litres (730 cu.in) Displacement Fuel tank capacity 485 I (128 US gal)

Allison HD 4060

Engine mounted box with rear output Layout Constant meshing planetary gears, Gear layout

clutch operated 6 Forward, 1 Reverse

Gears Clutch type Hydraulically operated multi-disc

Electronic Control type

Hydrodynamic, with lock-up in all gears Torque converter layout

Vehicle speeds

1st 2nd 3rd 4th 5th 6th R 7,6 14,0 18,7 26,7 36,2 39,0 5,6 km/h 4.7 8.7 11.6 16.6 22.5 24.2 3.5

TRANSFER CASE VGR 17000

Three in-line helical gears Layout

Output differential Interaxle differential, pneumatically lockable whilst stationary or on the

move.

Bell 25 tonne Differential type

Spiral bevel type with Controlled Traction Differentials (CTD)

Final drive type

Outboard heavy duty planetary Housing type

Steel fabricated

BRAKING SYSTEM

SERVICE BRAKE

Dual circuit, full hydraulic actuation ventilated dry disc brakes

Maximum brake force 134 kN (30.124 lbf)

PARK & EMERGENCY

Spring applied, air released drivelinemounted disc.

Maximum brake force 440 kN (98,920 lbf)

Auxilliary Brake

Automatic exhaust brake and Engine Valve Brake (EVB)

Size Type

875/65R29 Radial Earthmover

SUSPENSION

Front type

Rear type

Semi-independent leading A-frame supported by nitrogen/oil struts Solid mounted

HYDRAULIC SYSTEM

Full load sensing system serving the prioritized steering, scraper and brake functions. A ground-driven, load sensing

emergency steering pump is integrated into the main system Pump Type

Variable displacement, loadsensing

Application

Steering, scraper operation, hydraulic brake charging and cooling fan drive 300 l/min (79.26 US gal/min) Flow: Pressure:

20 MPa (2,900 psi)

10 micron

HYDRAULIC SYSTEM

Scraper Configurations 2 Scrapers: 3 controls per scraper

3 Scrapers: 2 controls per scraper

Hydraulic Control Valve · Scrapers

The Control Valve is a stackable multisection, load sensing, pressure compensated, proportional directional valve with port relief valves in the down ports. The valve consists of 6 sections. Coupling is done via 12 female quick couplers situated on the rear of the

machine.

Electro Hvdr. controls -Scrapers

Parker Hydraulics IQAN System. Fully programmable. Hydraulic Flow Rates can be adjusted on Display Module.

PNEUMATIC SYSTEM Air drier with heater and integral unloader valve, serving park brake and

auxiliary functions System pressure 810 kPa (117 psi)

Battery type

Two maintenance free permanently

Battery capacity

2 x 105 Ah (optional 2 extra batteries) 28 V 100 A

Alternator rating

STEERING SYSTEM

Hydrostatically actuated by two double acting cylinders, with ground-driven emergency steering pump.

Lock to lock turns 4,7

Front Rear **Gross Weight**

GCM

14 540 kg (32,055 lbs) 7 600 kg (16,755 lbs) 22 140 kg (48,810 lbs) 65 850 kg (145,175 lbs

Cab

ROPS/FOPS certification

+- 42 degrees

· Handrails on fenders · Tilt cab for service access · Gas strut supported door • Tinted safety glass • Sliding windows • Rearview mirrors- regular and wide angle • Sun visor

· Wiper/washer with intermittent control • Rear window wiper/washer • Tilt and telescoping steering wheel

· Adjustable, air suspension seat with retractable seat belt, rotated by 15 degrees • HVAC climate control system with filtered and ducted air • Air horn

 Electrical relays and circuit breakers Ashtray
 Drinks holder

 Cooled/heated lunchbox • Wheel spanner set

MDU Features • Trip timer • Trip distance • Diagnostics • Intermittent wiper timing control • Speedo calibration for alternative tyre sizes Metric /Imperial unit selection

 Warning lights with audible buzzerTow recovery cable

(continued)

Other

STANDARD EQUIPMENT Analogue Gauges • Engine coolant temperature • Engine oil pressure System air pressure • Transmission

oil temperature • Fuel • Speedometer

LCD Display • Transmission gear selection • Tachometer • Battery voltage • Hourmeter • Odometer

Brakes Vented dry disc calipers on front and

rear axles

Fully hydraulically actuated

Spring applied air release park brake

on rear driveshaft

Ground driven emergency steering

Tow recovery cable

 Fleetmatic Satellite Monitoring System

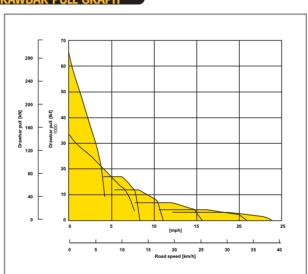
TURNING RADIUS

OPTIONAL FOUIPMENT (Factory and field installed)

- Electrically adjustable rearview mirrors
- Retractable sun visor
- Tyre pressure monitoring
- Fleetmatic product packages
- 29.5R25 radial earthmover tyres
 Groeneveld central lubrication system
- Flashing beacon
- Work lights
- Artic reverse light Electrical horn
- 2 extra batteries
- Fuel filter heating element
- Electric adjust and heated mirrors
- (one per side) Dual circuit oil immersed multidisc
- brakes on front and rear axles with remote multidisc brake cooler
- CD/FM Radio

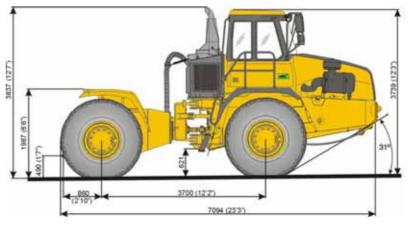
Provision for: Wiggins quick fueling system

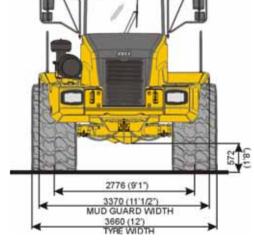
DRAWBAR PULL GRAPH



R2860 INSIDE TURNING CIRCLE R6766 OUTSIDE

TURNING RADIUS





Tyre