

# 4206D-T

CONSTRUCTION  
SCRAPER  
TRACTOR



*Wheeled version shown*



## 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**



SPEC/399/03/05 - 4206D-T Tractor

# 4206D-T

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### key features

- Gross Power 422 hp
- Gross Torque 1,473 lbft
- Gross Weight 61,380 lbs



**D SERIES**

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<b>ENGINE</b>	Mercedes Benz OM501LA					
Gross power	422 hp @ 1 800 rpm					
Net Power	413 hp @ 1 800 rpm					
Gross torque	1,473 lbft @ 1 080 rpm					
Displacement	730 cu.in					
Fuel tank capacity	128 US gal					

<b>TRANSMISSION</b>	Allison HD 4060					
Gears	6 Forward, 1 Reverse					
Clutch type	Hydraulically operated multi-disc					
Torque converter layout	Hydrodynamic, with lock-up in all gears					
Vehicle speeds	1st	2nd	3rd	4th	5th	6th
mph	3.9	7.2	9.7	13.8	18.6	21.6

<b>TRANSFER CASE</b>	VGR 17000					
Layout	Three in-line helical gears					

<b>AXLES</b>	Bell 25 tonne					
Differential type	Spiral bevel type with Controlled Traction Differentials					
Final drive type	Outboard heavy duty planetary					

<b>BRAKING SYSTEM</b>						
<b>SERVICE BRAKE</b>	Dual circuit, full hydraulic actuation ventilated dry disc brakes					
Maximum brake force	30,124 lbf					
<b>PARK &amp; EMERGENCY</b>	Spring applied, air released driveline-mounted disc.					
Maximum brake force	98,920 lbf					
<b>Auxilliary Brake</b>	Automatic exhaust brake and Engine Valve Brake (EVB)					

<b>TRACK MODULES</b>	ATI Modular Track System					
Rubber Track	Goodyear 36" Heavy Duty Dual Accumulator, self tensioning					

<b>SUSPENSION</b>						
Front type	Semi-independent leading A-frame supported by nitrogen/oil struts					
Rear type	Solid mounted					

<b>HYDRAULIC SYSTEM</b>	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					
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<b>Pump Type</b>	Variable displacement, loadsensing piston					
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<b>Application</b>	Steering, scraper operation, hydraulic brake charging and cooling fan drive					
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<b>Flow:</b>	79.26 US gal/min					
<b>Pressure:</b>	2,900 psi					
<b>Filter:</b>	10 micron					

<b>HYDRAULIC SYSTEM</b>	Scraper Controls					
Scraper Configurations	1,2 or 3 Scrapers: 2 or 3 controls per scraper					

<b>Hydraulic Control Valve</b>	The Control Valve is a stackable multi-section, load sensing, pressure compensated, proportional directional valve with port relief valves in the down ports.					
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<b>Electro Hydr. controls - Scrapers</b>	Parker Hydraulics IQAN System. Fully programmable to suit conditions.					
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<b>PNEUMATIC SYSTEM</b>	Air drier with heater and integral unloader valve, serving park brake and auxiliary functions					
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<b>System pressure</b>	117 psi					
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<b>ELECTRICAL SYSTEM</b>						
Voltage	24 V					
Battery type	Two maintenance free permanently sealed					

<b>Battery capacity</b>	2 x 105 Ah (optional 2 extra batteries)					
<b>Alternator rating</b>	28 V 100 A					

<b>STEERING SYSTEM</b>	Hydrostatically actuated by two double acting cylinders, with ground-driven emergency steering pump.					
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<b>OPERATING WEIGHTS</b>						
Front	32,055 lbs					
Rear	16,755 lbs					
Gross Weight	48,810 lbs					

<b>STANDARD EQUIPMENT</b>	Cab					
	ROPS/FOPS certification					
	• Handrails on fenders • Tilt cab for service access • Gas strut supported door • Tinted safety glass • Sliding windows • Heated rearview mirrors					
	• Sun visor • Wiper/washer with intermittent control • Rear window					

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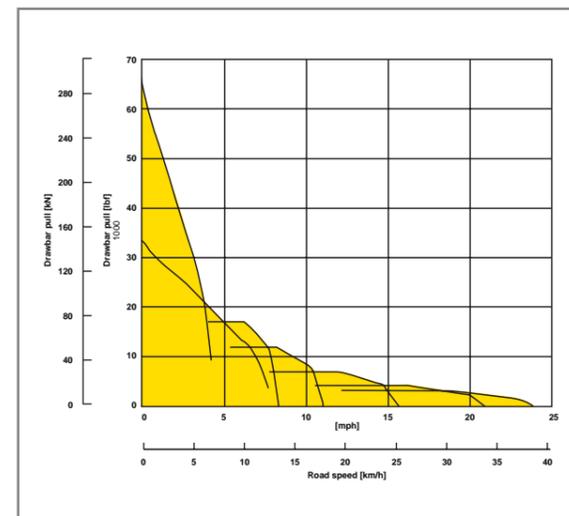
<b>STANDARD EQUIPMENT</b>	wiper/washer • Tilt and telescoping steering wheel • Adjustable, air suspension seat rotated by 15 degrees • Fold-away trainer seat • Overhead console for FM and 2-way radio, compartments for storage, electrical relays and circuit breakers • Work lights • Drinks holder • Cooled/heated lunchbox • Flashing beacon					
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<b>MDU Features</b>	• Trip timer • Trip distance • Diagnostics • Intermittent wiper timing control • Speedo calibration for alternative track or tyre sizes					
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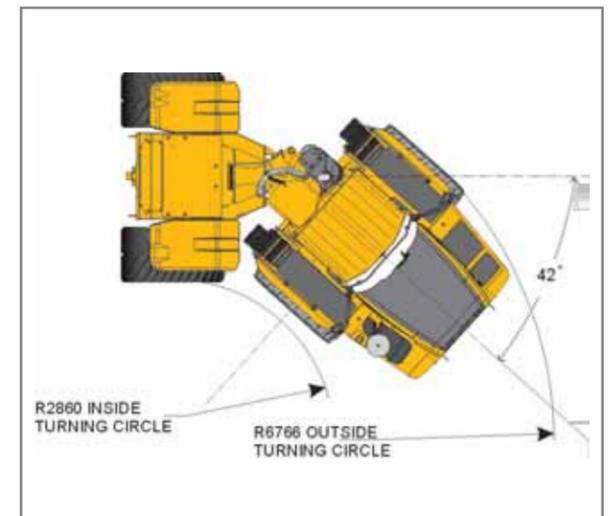
<b>STANDARD EQUIPMENT</b>	• Metric /Imperial unit selection • Warning lights with audible buzzer • Fuel consumption-actual & timed • Engine loading					
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<b>OPTIONAL EQUIPMENT</b>	Central auto lubrication system Artic reverse light Electrical horn Dual battery kit Fuel filter heating element Wiggins quick fueling system Auxiliary fuel tank					
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## DRAWBAR PULL GRAPH



## TURNING RADIUS



## TURNING RADIUS

