2306 DARTICULATED TR 4X4 MKVII ATED TRACTOR





Gross Power: 170 kW
 Gross Torque: 810 Nm
 Gross Combined Mass: 56 000 kg



Courtesy of Machine.Market

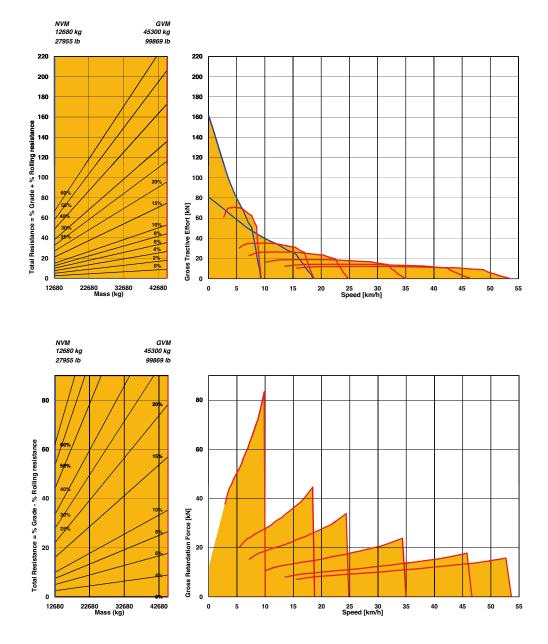


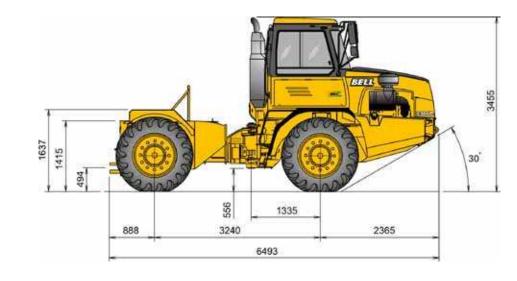
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Ancel Net Configuration	Mercedes Benz OM906LA I-6 with exhaust brake and Engine Valve Brake (EVB) Turbocharged and intercooled	ELECTRICAL SYSTEM Voltage Battery type Battery capacity	24 V Two maintenance free permanently sealed 2 x 105 Ah (optional 2 extra batteries)
Cooling System	Liquid cooled with single pass radiator as well as charge air cooler	Alternator rating	28 V 80 A
Gross power Net Power Gross torque	170 kW (228 hp) @ 2 200 rpm SAE J1349 163 kW (219 hp) @ 2 200 rpm 810 Nm (596 lbft) @ 1 200 - 1 600 rpm SAE J1349	STEERING SYSTEM	 Hydrostatically actuated by two double acting cylinders, with ground-driven emergency steering pump. +- 45 degrees
Net Torque Displacement Fuel tank capacity	780 Nm (574 lbft) @ 1 200 - 1 600 rpm 6,37 litres (389 cu.in) 198,5 litres (52.4 US gal)	Lock to lock turns OPERATING WEIGHTS	
TRANSMISSION Layout Gear layout Gears Clutch type	ZF 6HP592C with integral retarder Engine mounted box with rear output Constant meshing planetary gears, clutch operated 6 Forward, 1 Reverse Hydraulically operated multi-disc	Empty: Front Rear Total Laden: Front Rear Gross Vehicle Mass Gross Combined Mass	7 970 kg (17 571 lbs) 4 710 kg (10 384 lbs) 12 680 kg (27 955 lbs) 8 200 kg (18 078 lbs) 8 830 kg (19 467 lbs) 17 030 kg (37 545 lbs) 56 000 kg (123 459 lbs)
Control type Torque converter layout	Electronic Hydrodynamic, with lock-up in all gears	STANDARD	ROPS/FOPS certification
Vehicle speeds	1st 2nd 3rd 4th 5th 6th R 7.2 11.8 20.1 28.4 40.3 48.6 8.3 km/h 4.5 7.3 12.5 17.6 25 30.2 5.2 mph	EQUIPMENT Cab	 Protective rear window guard • Tilt cab for service access • Gas strut supported door Tinted safety glass • Sliding windows Rear view mirrors - regular and wide angle Sun visor • Wiper/washer with intermittent
TRANSFER CASE Output differential	VGR 13 200 Three in-line helical gears. Interaxle 50/50 proportional differential, pneumatically lockable whilst stationary or on the move.		control • Tilt and telescoping steering wheel • Adjustable, air suspension seat with retractable seat belt • Fold-away trainer seat with retractable seat belt • HVAC climate control system with filtered and ducted air
AXLES Differential type Final drive type Housing type BRAKING SYSTEM	Bell 14T Spiral bevel type with Limited Slip Outboard heavy duty planetary Steel fabricated		 Rotating beacon • 12 V power outlet/12 V cigarette lighter • Ash tray • Drinks holder Cooled/heated lunch box • Sound insulated to 76 dB(A) to ISO 6396 • Radio/CD • Memory Module • Fleetmatic Satellite Monitoring System
SERVICE BRAKE	Dual circuit, full hydraulic actuation caliper		
Maximum brake force	brakes on all wheels 125,62 kN (28,241 lbf)	MDU Features	 Operator / Site selected speed control Tipping counter Trip timer Trip distance Transmission gear selection Fuel
PARK & EMERGENCY Maximum brake force	Spring applied, air released driveline-mounted disc. 368,42 kN (82,824 lbf)		Consumption • Diagnostics • Intermittent wiper timing control • Speedo calibration for alternative tyre sizes • Metric /Imperial unit selection • Warning lights with audible
AUXILLIARY BRAKE	Automatic exhaust brake and Engine Valve Brake (EVB)		buzzer
WHEELSStandard TyreSizeTypeOptional TyreSizeSize	23.5X25 SRG 620/75R26; Dual 15X34 Traction	Gauges	 Engine coolant temperature • Engine oil pressure • Transmission oil temperature Fuel • Tachometer • Battery voltage Hourmeter • Odometer • System air pressure
Туре	nacion	Retarder	Integral transmission retarder with 6 settings
SUSPENSION Front type Rear type	Semi-independent leading arm type linkages supported by nitrogen/oil struts Rigidly mounted	Other	Ground driven emergency steering Articulation lock
Pump Type Application Flow Pressure Filter PNEUMATIC SYSTEM	 Full load sensing system serving the prioritized steering, body tipping and brake functions. A ground-driven, load sensing emergency steering pump is integrated into the main system Variable displacement, loadsensing piston Steering, hydraulic brake charging 84 I/min (48.6 US gal/min) 25 MPa (3,625 psi) 10 micron Air drier with heater and integral unloader valve, serving park brake and auxiliary 	OPTIONAL EQUIPMENT	 (Factory or field installed) On Board Weigh System (OBW) Electrically adjustable rearview mirrors - one per side Retractable sun visor Forward working lights Artic reverse light Fuel heater External windshield visor Headlight protection grills Rear window wiper Antenna mounting bracket System for reverse camera Wiggins quick fuelling system
System pressure	functions 810 kPa (117 psi)		 Tyre pressure monitoring Fleetmatic production packages

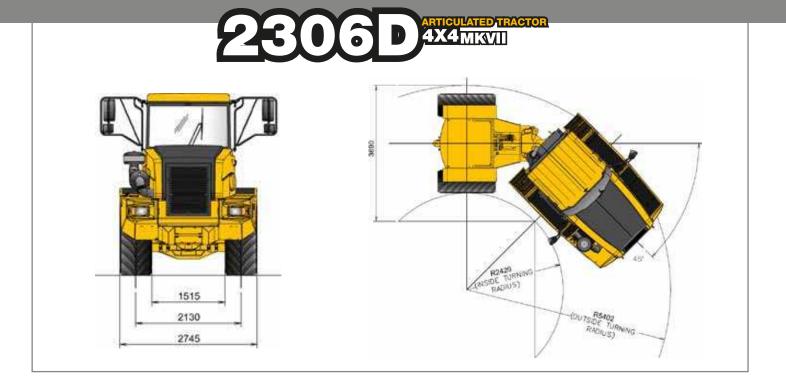


DRAWBAR PULL GRAPH

LINE DRAWING







Features of Articulated Tractors...

- VALUE: Bell tractors are not farm tractor derivatives. They are built from the ground up for trouble free operation and maximum durability in full-time heavy duty construction work.
- **PRODUCTIVE:** Powerful built-for hauling ADT drivetrains are well matched for pulling and retarding heavy loads. Nitrogen over oil strut suspension smooths the ride for operator and machine.
- ECONOMY: Modern fuel efficient engine, lockup torque converter and planetary transmission deliver more work per unit of fuel used
- EASY TO OPERATE: High quality cab is conducive to operator care. Simple to use controls and electronic interfaces protect the machine from accidental misuse.



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.