

AH250

ARTICULATED DUMP TRUCK

- **Maximum payload**
23 200 kg (51 150 lb)
- **Body capacity**
Heaped: 13.8 m³ (18.1 yd³)
- **Engine net power**
198 kW (266 hp)



Note: Photo includes optional equipment.

BODY

Capacity:	Struck	10.5 m ³ (13.7 yd ³)
	Heaped: SAE 2:1	13.8 m ³ (18.1 yd ³)
Maximum payload		23 200 kg (51 150 lb)
Raise time		12.0 seconds
Power down time		6.0 seconds
Tipping angle		70 degrees

OPERATING WEIGHTS

Empty:	Front	9 350 kg (20 620 lb)
	Middle	4 150 kg (9 150 lb)
	Rear	4 000 kg (8 820 lb)
	Total	17 500 kg (38 590 lb)
Laden:	Front	12 400 kg (27 340 lb)
	Middle	14 225 kg (31 360 lb)
	Rear	14 075 kg (31 030 lb)
	Total	40 700 kg (89 730 lb)

ENGINE

Configuration	Mercedes Benz OM906LA
Aspiration	I-6 with exhaust brake and engine valve brake (EVB)
Cooling System	Turbocharged and intercooled Liquid cooled with single pass radiator & charge air cooler
Net Power (SAE J1349)	198 kW (266 hp) @ 2 200 min ⁻¹ (rpm)
Max. Net Torque	970 N·m (715 lbf·ft) @ 1 250-1 500 min ⁻¹ (rpm)
Displacement	6.73 L (389 in ³)
Fuel tank capacity	340 L (90 US gal)

ELECTRICAL SYSTEM

Voltage	24V
Battery capacity	2 x 105 Ah
Alternator rating	28V 80A

TRANSMISSION

Layout	ZF 6HP592C with integral retarder
Gear layout	Engine mounted box with rear output
Clutch type	Constant meshing planetary gears, clutch operated
Control type	Hydraulically operated, multi disc
Torque converter layout	Electronic
Vehicle speeds	Hydrodynamic, with lock-up in all gears
	1st 2nd 3rd 4th 5th 6th R
	8 13 22 31 44 53 8 km/h
	(5) (8) (14) (19) (27) (33) (5) (mph)

TRANSFER CASE

Output differential	VGR 13 100 Three in-line helical gears. Interaxle 33/67 proportional differential, pneumatically lockable whilst stationary or on the move.
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AXLES

Differential type	15T
Final drive type	Spiral bevel type with Limited Slip Outboard heavy-duty planetary

BRAKING SYSTEM

Service Brake	Dual circuit, full hydraulic actuation caliper brakes on all wheels
Park & Emergency	Spring applied, air released driveline mounted disc.
Auxiliary Brakes	Transmission retarder, Automatic exhaust brake and Engine Valve Brake (EVB)

WHEELS

Tire	Size	23.5R25
	Type	Radial Earthmover
Max ground pressure (laden)		Middle: 135 kPa (1.38 kgf/cm ² , 19.6 psi)

SUSPENSION

Front type	Semi-independent leading arm type linkages supported by nitrogen/oil struts
Rear type	Pivoting walking beams equalize the load on each axle with laminated suspension blocks.

HYDRAULIC SYSTEM

Pump type	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
Application	Variable displacement, loadsensing piston Steering, tipping, hydraulic brake charging and cooling fan drive

All dimensions are shown in millimeters, 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.

STEERING SYSTEM

Angle
Lock to lock turns

Hydrostatically actuated by two double acting cylinders, with ground-driven emergency steering pump
45° side to side
4.1

PNEUMATIC SYSTEM

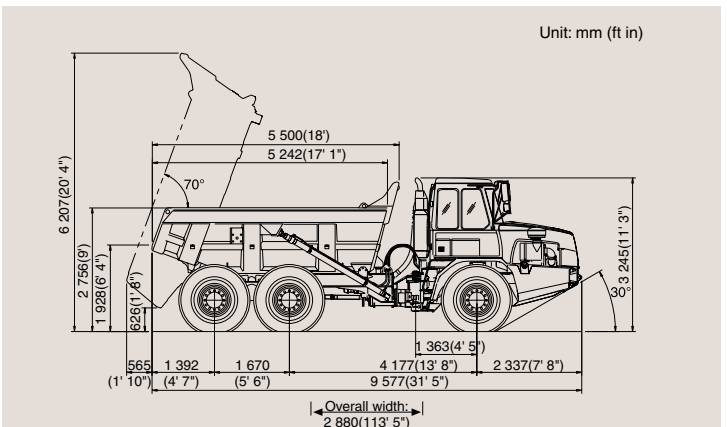
Air drier with heater and integral unloader valve, serving park brake and auxiliary functions

STANDARD EQUIPMENT

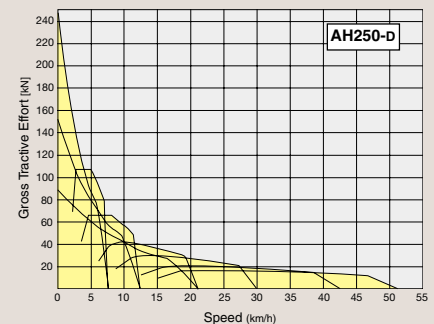
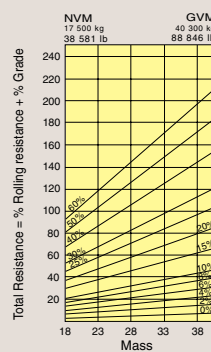
- ROPS and FOPS certified
- EPA Emission certified
- CE Mark
- Air conditioner
- Folding trainer seat
- Electric rear view mirror
- Tilt cab for service access
- Head light guard
- Tilt/telescopic steering column
- Windshield washer/wiper & defogger
- S/brake caliper mud scraper & mud cover
- Transmission retarder
- Engine exhaust brake
- Engine valve brake(EVB)
- Emergency steering
- Body ducted for heating
- Cold weather starting aid
- Rear tow pin
- Antenna mounting bracket
- Cigar lighter/Power point 12V

OPTIONAL EQUIPMENT

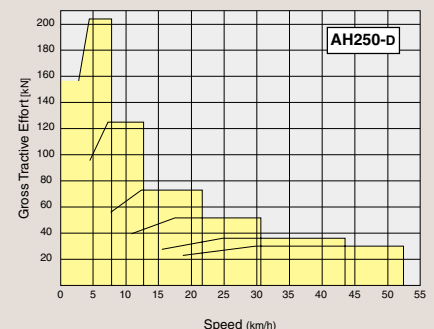
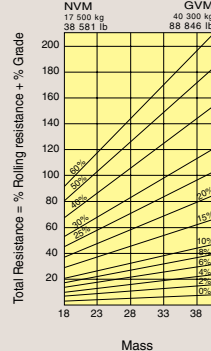
- Automatic tailgate
- Body heating connection
- Two extra batteries
- Orange rotating beacon
- Artic reverse light
- Body liners
- Electric horn
- Work light
- Fuel heater



GRADEABILITY



RETARDATION



These specifications are subject to change without notice

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