





Gross Power: 170 kw (228 hp) Gross Torque: 810 Nm (597 lbft) Rated Payload: 18 000 kg (35 683 lbs)



Mercedes Benz OM906LA Configuration

I-6 with exhaust brake and Engine Valve Brake (EVB)

Turbocharged and intercooled Aspiration Cooling system Single pass radiator & charge

air cooler

170 kW (228 hp) @ 2,200 rpm Gross power

SAE J1349

165 kW (221hp) @ 2,200 rpm **Net Power Gross torque**

810 Nm (597 lbft) @

1,050 -1,850 rpm SAE J1349 780 Nm (575 lbft) @

Net torque 1,050 -1,850 rpm Displacement 6,37 litres (389 cu.in) Fuel tank capacity 200 I (58 US gal)

TRANSMISSION Allison 3000 ORS (with

optional retarder)

Engine mounted box with rear Layout

output

Gear layout Constant meshing planetary gears

Hydraulically operated Clutch type

multidisc

Torque converter layout Hydrodynamic, with lock-up

in all gears

TRANSFER BOX

VGR 13 100

Interaxle 50/50 (6x4) [66/33 Output differential (6x6 mode)] proportional

differential, pneumatically lockable whilst stationary or

on the move.

Bell 14T

Differential type Spiral bevel type with Limited

Slip

Final drive type Outboard heavy duty

planetary

Steel fabricated Housing type

BRAKING SYSTE

PARK & EMERGENCY

SERVICE BRAKE Dual circuit, full hydraulic

actuation caliper brakes on all

wheels

Maximum brake force 164 kN (36,900 lbf)

Spring applied, air released

driveline mounted disc.

Maximum brake force 396 kN (89,000 lbf) **AUXILLIARY BRAKE** Automatic exhaust brake and

Engine Valve Brake (EVB)

442 kW (593 hp) Maximum retardation

20,5R25 Tyre: Size

Radial Earthmover Type

Maximum ground

pressure (laden) 134 kPa (19 psi)



Front: Type

Rear: Type

Semi-independent leading arm type linkages supported by nitrogen/oil struts Pivoting walking beams equalize the load on each axle with laminated suspension blocks. Each axle is coupled to the chassis by a system of four rubber-

bushed links for ideal vertical movement.

Variable displacement with load sensing system. A ground-driven, load sensing emergency steering pump is integrated into the main system

184 I/min (48.6 US gal/min) Flow Pressure

25 MPa (3,915 psi)

10 micron

Filter

Air drier with heater and integral unloader valve, serving park brake and auxiliary functions 850 kPa (123 psi)

System pressure

12 s 6 s Power down time 70° Tipping angle

Battery Type

permanently sealed 2 x 105 Ah (optional 2 extra Battery capacity

24 V

batteries) 28 V 80 Å

Alternator rating

6th

Hydrostatically actuated by two double acting cylinders, with ground-driven

31

5.6

Two maintenance free

emergency steering pump. Angle Lock to lock turns +- 45 degrees

4,1

VEHICLE SPEEDS km/h mph 1st 8 5 2nd 13 8 3rd 22 13.7 31 4th 19.3 45 28 5th

50

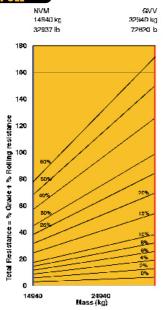


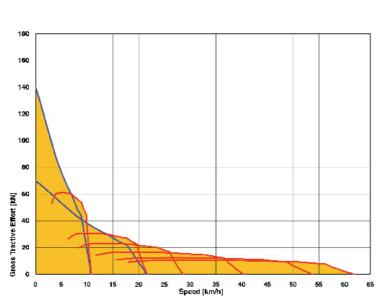
LOAD CAPACITY & GROUND PRESSURE

WEIGHTS			GROUND PRESSURE			LOAD CAPACITY		
UNLADEN	kg	lbs	LADEN (6x4)	kPa	psi	BODY	m³	cu.yd
Front	7,584	16,720	Front	211	31	Struck Capacity	8,5	11,1
Middle	3,094	6,821	Middle	293	44	SAE 2:1 Capacity	11	14,4
Rear	2,833	6,245	Rear	291	44	SAE 1:1 Capacity	13,6	17,8
Total	13,511	29,786				SAE 2:1 Capacity		
LADEN			LADEN (6x6)			with Autogate		
Front	8,199	18,076	Front	211	31			
Middle	11,788	25,988	Middle	293	44	Rated Payload	18 000 kg	35,683 lbs
Rear	11,524	25,406	Rear	293	44			
Total	31,511	69,470						

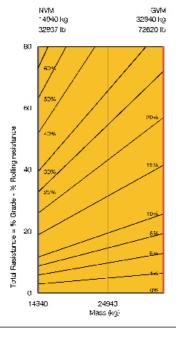
^{*} Additional 230 kg for 6x6 option

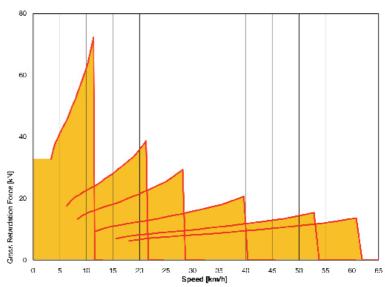
GRADEABILITY/RIMPULL





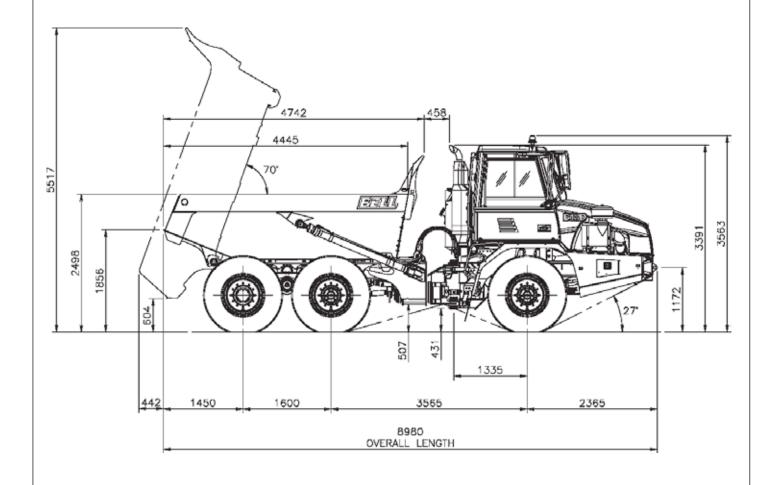
RETARDATION

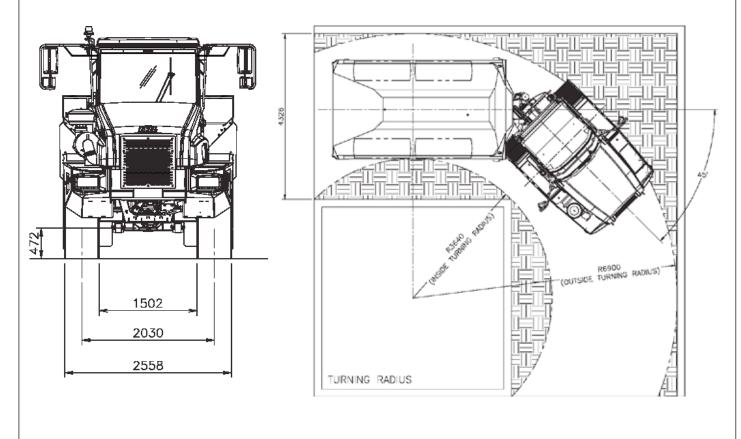




B D 6x4 ARTICULATED 6x6 DUMP) TRUCK

DIMENSIONS





B D 6x4 ARTICULATED 6x6 DUMP TRUCK

AVAILABLE EQUIPMENT*

Cab

- ROPS/FOPS certification
- 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 vien
- Wiper/washer with intermittent 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
- Rotating beacon
- 12 V power outlet/12 V cigarette lighter
- Ash tray
- Drinks holder
- Cooled/heated lunch box
- I-Tip programmable bin tip
- Sound insulated to 76 dB(A) to ISO 6396
- Radio/CD/Tape
- Memory Module
- Air horn

MDU Features

- Operator / Site selected speed control
- Tipping counter
- Trip timer
- Trip distance
- Transmission gear selection
- Fuel Consumption
- Diagnostics
- Intermittent wiper timing control
- Speedo calibration for alternative tyre sizes
- Metric /Imperial unit selection
- Warning lights with audible buzzer

Gauges

- Engine coolant temperature
- Engine oil pressure
- Transmission oil temperature
- Fuel
- Tachometer
- Battery voltage
- Hourmeter
- Odometer
- System air pressure

Vehicle

- Ground driven emergency steering
- Bin safety prop
- Articulation lock
- Integral transmission output retarder with 6 settings (optional)

Other

(Factory or field installed)

- On Board Weigh System (OBW)
- Electrically adjustable rearview mirrors one per side
- Groeneveld auto greasing system
- Retractable sun visor
- Exhaust body heating
- Autogate
- Body liners
- Fleetmatic Satellite Monitoring System
- Driver ID and immobiliser
- 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
- Tyre pressure monitoring

*standard specification for machines may vary according to region



- The exclusive onboard weighing option presents the operator with real time information on the payload while the machine is being loaded. A 'limp home' mode can also be activated if the machine is significantly over-loaded.
- Payload
- The park brake automatically applies when neutral is selected and it is not possible to engage neutral at speed. Tourque dependent park brake release (hill assist) ensures no roll back on slopes.



• The incorporation of a Pitch and Roll sensor in the vehicle allows the bin to not be operated if the truck is in an unsafe position.



• Full hand-rails can be installed to provide even more safety when performing engine checks.



· Keyless start, driver identity, and access codes ensures no unauthorized operation of your equipment.



 Both operator or site selectable maximum speed control allows the vehicle to automatically de-accelerate and apply the retarder to prevent onsite speeding.



• Reverse cameras are available for factory or on site fitment ensuring full view when reversing.



 Optional Tyre pressure - monitoring System ensures that the operator has real time information on all tyres pressure and temperature conditions.



- The best in class retarder and engine braking automatically applies when the operator lifts his foot off the accelerator. Retarder aggressiveness can be simply adjusted on the sealed switch module ensuring maximum descent control for all conditions.
- All trucks can be set up to automatically sound the horn when starting or switching between forward and reverse.

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