

## dimensions (mm)

A Wheelbase	3560	4160	4760	5360
C Rear overhang (day cab)	1885	2285	2685	3085
Rear overhang (sleeper cab)	1535	1885	2285	2685
D Overall length (day cab)	7065	8065	9065	10065
Overall length (sleeper cab)	6715	7665	8665	9665
E Frame height at rear axle (steel susp. unladen)	1014	1014	1014	1014
Frame height at rear axle (air susp. unladen)	955	955	955	955
G Back of cab to end of frame (day cab)	5235	6235	7235	8235
Back of cab to end of frame (sleeper cab)	4285	5235	6235	7235
H Bumper to back of cab (day cab)	1650	1650	1650	1650
Bumper to back of cab (sleeper cab)	2250	2250	2250	2250
I Cab rear to front axle (day cab)	210	210	210	210
Cab rear to front axle (sleeper cab)	810	810	810	810
Ground clearance front	243	243	243	243
Ground clearance rear*	210	210	210	210
Frame width (at rear)	851	852	854	854
Turning circle (wall to wall) m	14.0	15.8	17.6	19.4

\*Ground clearance rear is 188mm for 1622, 1624 and 1629  
Minimum cab gap: Day Cab = 100mm, Sleeper Cab = 80mm

## weights (kg)

	1618			
Wheelbase	3560	4160	4760	5360
<b>Kerb Weights (Steel Suspension)*</b>				
Front axle	3005	2957	2959	3000
Rear axle	1377	1465	1553	1642
Total	4382	4422	4512	4642
Body/Payload	11618	11578	11488	11358
<b>Plated Weights</b>				
GVW	16000	16000	16000	16000
GTW (overrun brakes)	16000	16000	16000	16000
Front axle	6100	6100	6100	6100
Rear axle	10500	10500	10500	10500

\* 1622 adds 130kg to total kerb weight, 1624 adds 250kg, 1629 adds 320kg

Weights and dimensions are to standard specification with 20 litres of fuel, 5 litres of AdBlue, oil, water, tools, front and rear underride guards, chassis side guards, rear wings and spray suppression. Kerb weights are subject to a manufacturing tolerance of ±2%.

The right is reserved to alter specification or equipment without notice.



# engine

## 1618

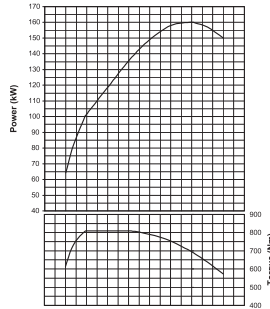
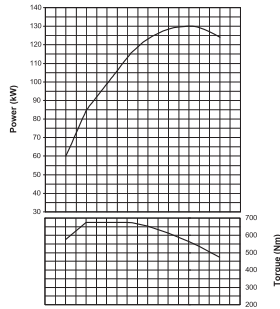
**Mercedes-Benz OM904LA**  
4.25 litre turbo-intercooled  
4 cylinder direct injection diesel

## 1622

**Mercedes-Benz OM924LA**  
4.8 litre turbo-intercooled  
4 cylinder direct injection diesel

<b>Max. power @ 2200 rpm</b>	130kW 177PS	160kW 218PS
<b>Max. torque</b>	675Nm @ 1200 - 1600 rpm 498lbft @ 1200 - 1600 rpm	810Nm @ 1400 - 1600 rpm 597lbft @ 1400 - 1600 rpm
<b>Bore</b>	102mm	106mm
<b>Stroke</b>	130mm	136mm
<b>Capacity</b>	4.25 litres	4.8 litres
<b>Control</b>	Electronic engine management	
<b>Fuel Injection</b>	Direct injection via unit injectors	
<b>Cooling</b>	Water cooled with viscous fan	
<b>Exhaust</b>	Stainless steel with SCR catalytic converter on RHS	
<b>Immobiliser</b>	Standard	
<b>Engine Brake</b>	Constant throttle with butterfly	

### Performance Curves



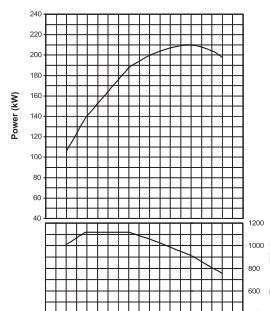
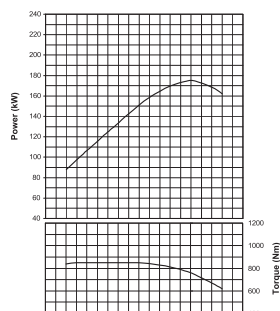
## 1624

**Mercedes-Benz OM906LA**  
6.37 litre turbo-intercooled  
6 cylinder direct injection diesel

## 1629

<b>Type</b>	<b>Mercedes-Benz OM906LA</b> 6.37 litre turbo-intercooled 6 cylinder direct injection diesel	
<b>Max. power @ 2200 rpm</b>	175kW 238PS	210kW 286PS
<b>Max. torque @ 1200 - 1600 rpm</b>	850Nm 627lbft	1120Nm 826lbft
<b>Bore</b>	102mm	
<b>Stroke</b>	130mm	
<b>Capacity</b>	6.37 litres	
<b>Control</b>	Electronic engine management	
<b>Fuel Injection</b>	Direct injection via unit injectors	
<b>Cooling</b>	Water cooled with viscous fan	
<b>Exhaust</b>	Stainless steel with SCR catalytic converter on RHS	
<b>Immobiliser</b>	Standard	
<b>Engine Brake</b>	Constant throttle with butterfly	

### Performance Curves



**ATEGO**

# transmission

## Gearbox & Ratios

Model	1618	1622/1624	1629
Type	MB G60-6 6-speed synchromesh	MB G85-6 6-speed synchromesh	MB G131-9 9-speed synchromesh
1st	9.20	6.70	9.48
2nd	5.23	3.81	6.64
3rd	3.15	2.29	4.82
4th	2.03	1.48	3.67
5th	1.37	1.00	2.59
6th	1.00	0.73	1.81
7th	-	-	1.32
8th	-	-	1.00
Crawler	-	-	14.57
Reverse	8.65	6.29	13.86

## Axles

Front - type	Mercedes-Benz drop centre 'I' beam
- capacity	6100kg
Rear - type	Mercedes-Benz hypoid
- capacity	10500kg

# chassis

## Brakes

Front/Rear	Disc brakes (377mm dia)
Service	Dual circuit air system Self adjusting Air dryer
Secondary/Parking	Progressive rear spring brake actuators
Load sensing	Rear axle
ABS	Standard

## Suspension

Front axle:	Parabolic leaf springs Double acting shock absorbers Stabiliser
Rear axle:	Parabolic dual rate leaf springs Double acting shock absorbers Stabiliser
Rear axle: (Optional)	2 bag air suspension Single leaf guide spring Control valve + 180mm, - 85mm Double acting shock absorbers Stabiliser Electronic level adjustment

## Steering

Type	Recirculating ball Integral power assistance Variable ratio Steering column lock Adjustable column
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## Tanks

	Capacity (litres)	Position
Fuel Tank	180 plastic	RHS
AdBlue Tank	25	RHS
	Lockable caps	

## Clutch

Type	Hydraulically operated single dry plate	
Diameter	362mm (1618)	395mm (1622/1624/1629)

## Rear Axle Ratios & Performance

Model	1618	1622	1624	1629
Standard Axle Ratio	3.833:1	4.778:1	4.778:1	3.333:1
Governed Speed (mph)	56	56	56	56
Engine revs at governed speed	2050	1863	1863	1780
Gradeability 1st gear rolling	29%	33%	34%	43%

Other axle ratios may be available on request

## Wheels & Tyres

Wheels	8.25 x 19.5
Tyres	305/70R 19.5
Spare Wheel and Carrier	Optional
Wheel Nut Covers	Standard

## Electrical Systems (featuring CAN bus technology)

Voltage	24 volt, negative earth
Battery	2 x 12 volt, 115Ah
Alternator	28 volt/80 amp

## Protection & Finish

Paint	Gloss paint finish Nova grey chassis Silver wheels
Underbody	Seam and cavity sealing Underbody sealing Part galvanised panels Plastic wings Plastic trim panels
Entry steps	Non-slip metal

## General

2 piece ladder frame, high tensile steel  
Channel section sidemembers  
Z section cab mounting frame  
Rear wings  
Front and rear spray suppression  
Front, side and rear underride guards

# cab

<b>Standard cab</b>	Day (S)	<b>Driver seat</b>	Air suspension
<b>Mounting</b>	4 point	<b>Passenger seat</b>	Non-suspended
<b>Tilting</b>	Hydraulic	<b>Centre seat</b>	Standard
<b>Dashboard</b>	Distribution	<b>Parking brake control</b>	On console beside driver seat
<b>Windows in rear wall</b>	Optional	<b>Ventilation air filter</b>	Pollen filter
<b>Nets on rear wall</b>	Standard		
<b>Switch and wiring for body interior light</b>	Standard		

(see separate Atego Cab Sheet CV 528 for full details)

# options

## Chassis

Vertical exhaust tailpipe behind cab  
Rear axle air suspension  
Heavy duty rear stabiliser  
180 + 100 litre fuel tanks  
Spare wheel, tyre and carrier  
Chassis side guards behind rear axle  
50 litre lockable storage box on chassis  
Rear closing cross member  
Deletion of rear frame extension  
Deletion of rear underride guard  
Deletion of rear wings and spray suppression

## Driveline

Higher capacity air compressor  
G 131-9 speed gearbox with 3.333 rear axle ratio (1624 only)  
Telligent AutoTrans (only with 6-speed gearbox)  
Allison automatic gearbox (1618 and 1624 only)  
Differential lock  
ASR  
Various PTOs

## Brakes

Heated brake air dryer  
Aluminium air reservoirs  
Telligent braking system with ABS (and ASR)

## Cab

Day cab with extended rear wall (SE)  
Windows in cab rear wall  
Night heater in day cab  
Radio / Cassette  
Air conditioning  
Driver's airbag  
Central locking  
Air suspension passenger seat  
Deletion of centre seat  
Vinyl covered seats (not with centre seat)  
Heated windscreen  
Tinted glass  
Long Distance dashboard with parking brake on dashboard (not with centre seat)  
Comfort dashboard (not with centre seat and only with Telligent AutoTrans or 9-speed gearbox)  
Wood trim on instrument panel  
Additional sockets in cab  
External sun visor - transparent  
Sleeper cab with single bed (L)  
High roof sleeper cab with one or two beds (LR)  
Rear side windows in sleeper cab  
Four man bench seat in lieu of bed in sleeper cab, including seat belts, side windows and tip up single passenger seat  
Electric glass sunroof (only with high roof sleeper cab)  
Roof air deflector  
Air horns on cab roof

## Engine

165Ah batteries  
100 amp alternator

## Electrics

Headlamp washers  
Halogen fog lights - front  
Audible reverse warning