

AXOR-R

BLUETEC 4

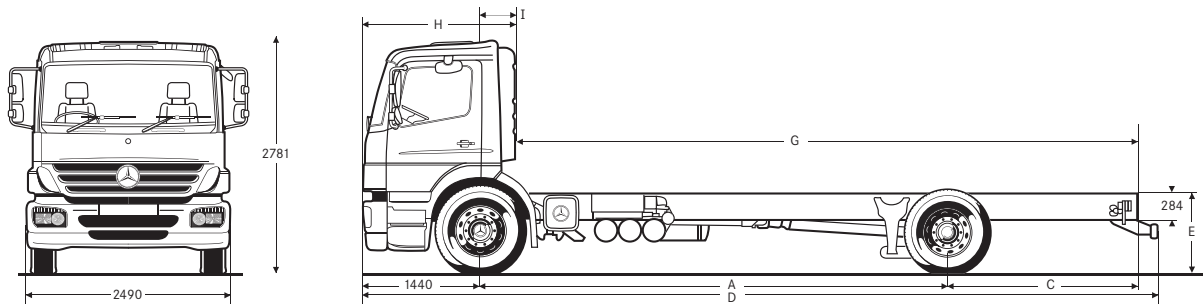
BLUETEC 5

4x2 Lowliner Rigid Truck
18,000kg GVW

1824LLnR

1829LLnR

1833LLnR



dimensions (mm)

A Wheelbase	4800	5400	5700
C Rear overhang	1800	2350	2350
D Overall length	8305	9455	9755
E Frame height at rear axle (air suspension unladen)	875	875	875
G Back of cab to end of frame (day cab)	6210	7360	7660
Back of cab to end of frame (sleeper cab)	5790	6940	7240
H Bumper to back of cab (day cab)	1830	1830	1830
Bumper to back of cab (sleeper cab)	2250	2250	2250
I Cab rear to front axle (day cab)	390	390	390
Cab rear to front axle (sleeper cab)	810	810	810
Ground clearance front	153	153	153
Ground clearance rear	194	194	194
Frame width (at rear)	758	758	758
Turning circle (wall to wall) m	19.0	20.8	21.7

Minimum cab gap: Day Cab = 250mm, Sleeper Cab = 150mm

weights (kg)

	1824LLnR		
Wheelbase	4800	5400	5700
Kerb Weights (Air Suspension)*			
Front axle	3625	3607	3598
Rear axle	1710	1798	1837
Total	5335	5405	5435

Plated Weights	UK Authorised	C&U	Design
GVW	18000	17000	18000
GTW (6 speed gearbox)	32000	32000	32000
GTW (9 or 16 speed gearbox)	36000	36000	36000
Front axle	7100	7100	7500
Rear axle	11500	10500	11500

* 1829LLnR adds 70kg to total kerb weight, 1833LLnR adds 150kg

Weights and dimensions are to standard specification with 20 litres of fuel, 5 litres of AdBlue, oil, water, tools, rear underride guard, and front spray suppression.

Kerb weights are subject to a manufacturing tolerance of $\pm 2\%$.

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

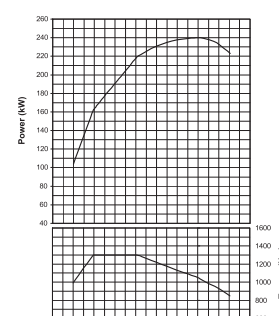
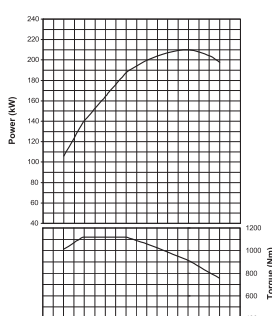
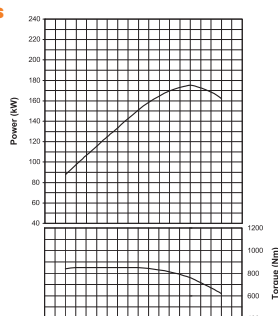


Mercedes-Benz

engine

	1824LLnR	1829LLnR	1833LLnR
Type	Mercedes-Benz OM906LA 6.37 litre turbo-intercooled 6 cylinder direct injection diesel	Mercedes-Benz OM906LA 6.37 litre turbo-intercooled 6 cylinder direct injection diesel	Mercedes-Benz OM926LA 7.2 litre turbo-intercooled 6 cylinder direct injection diesel
Max. power @ 2200 rpm	175kW 238PS	210kW 286PS	240kW 326PS
Max. torque @ 1200 - 1600 rpm	850Nm 627lbft	1120Nm 826lbft	1300Nm 960lbft
Bore	102mm	102mm	106mm
Stroke	130mm	130mm	136mm
Capacity	6.37 litres	6.37 litres	7.2 litres
Control		Electronic engine management	
Fuel Injection		Direct injection via unit injectors	
Cooling		Water cooled with viscous fan	
Immobiliser		Standard	
Engine Brake		Constant throttle with butterfly	
Exhaust		Stainless steel with SCR catalytic converter LHS	
Cruise Control		Standard	

Performance Curves



transmission

Gearbox & Ratios

Model	1824LLnR	1829LLnR	1833LLnR
Type	G85-6 6-speed synchromesh	G131-9 9-speed synchromesh	G131-9 9-speed synchromesh
Gearshift	hydraulic	hydraulic	hydraulic
1st	6.70	9.48	9.48
2nd	3.81	6.64	6.64
3rd	2.29	4.82	4.82
4th	1.48	3.67	3.67
5th	1.00	2.59	2.59
6th	0.73	1.81	1.81
7th	-	1.32	1.32
8th	-	1.00	1.00
Crawler	-	14.57	14.57
Reverse	6.29	13.86	13.86

Clutch

Type	Hydraulically operated single dry plate
Diameter	395mm

Rear Axle Ratios & Performance

Model	1824LLnR	1829LLnR	1833LLnR
Standard Axle Ratio	4.778:1	3.583:1	3.077:1
Governed Speed (mph)	56	56	56
Engine revs at governed speed	1820	1870	1610
Gradeability 1st gear rolling	27%	40%	41%

Other axle ratios may be available on request

Wheels & Tyres

Wheels	9.00 x 22.5
Tyres	315/60R 22.5
Spare Wheel and Tyre	Optional
Wheel Nut Covers	Standard

Axles

Front - Type	Mercedes-Benz drop centre 'I' beam
- Design capacity	7500kg
Rear - Type	Mercedes-Benz hypoid with differential lock
- Design capacity	13000kg



chassis

Brakes

Front/Rear Service	Disc brakes (430mm dia) Dual circuit air system Self adjusting Air dryer heated
Secondary/Parking Load sensing	Progressive rear spring brake actuators
ABS	Rear axle Standard

Suspension

Front axle:	Air suspension Control valve + 200mm, - 90mm Double acting shock absorbers Stabiliser
Rear axle:	Electronic level adjustment 4 bag air suspension Control valve + 200mm, - 90mm 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	400 aluminium	RHS
AdBlue Tank	95 Lockable caps	RHS

cab

Standard cab	Extended day (SE)
Dashboard	Long Distance
Windows in rear wall	Optional
Bumper	Plastic
Under bumper spoiler	Not available
Switch and wiring for body interior light	Standard

Electrical Systems (featuring CAN bus technology)

Voltage	24 volt, negative earth
Battery	2 x 12 volt, 165Ah
Alternator	28 volt/80 amp
Telligent maintenance system	Standard

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

Ladder frame, high tensile steel
Channel section sidemembers
Bolted rear crossmember
Front spray suppression
Rear underride guard

For cab options please see the separate Axor R Cab Specification Sheet CV 548

options

Chassis

Aluminium air reservoirs
Axle load indicator
Drawbar package
500 litre aluminium fuel tank
Steel fuel tanks
Spare wheel and tyre
Steel front bumper

Driveline

Telligent gearshift (only with G211 gearbox)
G211-16 speed gearbox including 430mm dia clutch (not 1824LLnR)
G131-9 speed gearbox with 3.583:1 rear axle ratio (1824LLnR)
Telligent AutoTrans (only with 6 speed gearbox)
Gear oil cooler
Various PTOs
Telligent braking system with ABS (and ASR)

Cab

Windows in cab rear wall
Night heater in day cab
Radio / Cassette player
Air conditioning
Driver's airbag
Central locking
Air suspension passenger seat
Centre seat and seat belt (only with day cab and only with Distribution dashboard)
Heated windscreen
Tinted glass
Distribution dashboard with parking brake on console beside driver seat (standard with centre seat)
Comfort dashboard (not with centre seat)
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

220Ah batteries
100 amp alternator

Electrics

Xenon headlamps
Headlamp washers
Audible reverse warning