

AXOR-R

BLUETEC 4

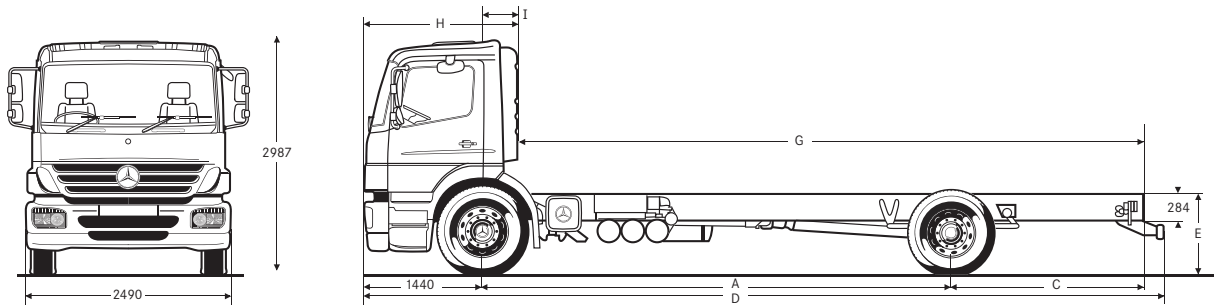
BLUETEC 5

4x2 Rigid Truck
18,000kg GVW

1824

1829

1833



dimensions (mm)

A Wheelbase	3900	4200	4500	4800	5100	5400	5700	6000	6300
C Rear overhang	1150	1150	1800	1800	2100	2350	2350	3300	3000
D Overall length	6755	7055	8005	8305	8905	9455	9755	11005	11005
E Frame height at rear axle (steel susp. unladen)	1131	1131	1131	1131	1131	1131	1131	1131	1131
Frame height at rear axle (air susp. unladen)	990	990	990	990	990	990	990	990	990
G Back of cab to end of frame (day cab)	4660	4960	5910	6210	6810	7360	7660	8910	8910
Back of cab to end of frame (sleeper cab)	4240	4540	5490	5790	6390	6940	7240	8490	8490
H Bumper to back of cab (day cab)	1830	1830	1830	1830	1830	1830	1830	1830	1830
Bumper to back of cab (sleeper cab)	2250	2250	2250	2250	2250	2250	2250	2250	2250
I Cab rear to front axle (day cab)	390	390	390	390	390	390	390	390	390
Cab rear to front axle (sleeper cab)	810	810	810	810	810	810	810	810	810
Ground clearance front	277	277	277	277	277	277	277	277	277
Ground clearance rear	221	221	221	221	221	221	221	221	221
Frame width (at rear)	758	758	758	758	758	758	758	758	758
Turning circle (wall to wall) m	15.8	16.7	17.7	18.6	19.6	20.5	21.4	22.4	23.4

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

weights (kg)

	1824								
Wheelbase	3900	4200	4500	4800	5100	5400	5700	6000	6300
Kerb Weights (Steel Suspension)*									
Front axle	3631	3672	3664	3665	3656	3647	3638	3619	3630
Rear axle	1724	1733	1771	1790	1829	1878	1917	1996	2005
Total	5355	5405	5435	5455	5485	5525	5555	5615	5635

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

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

Weights and dimensions are to standard specification with 20 litres of fuel, 5 litres of AdBlue, oil, water, tools, front and rear underride guards, and front spray suppression. Rear air suspension saves 70kg.

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

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

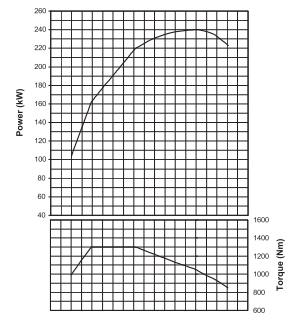
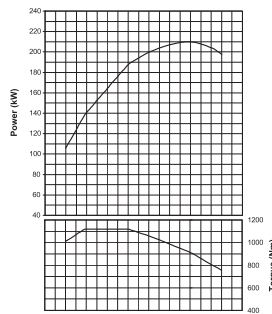
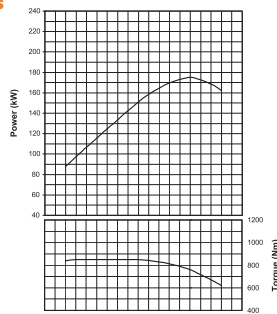


Mercedes-Benz

engine

	1824	1829	1833
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

	1824	1829	1833
Model	1824	1829	1833
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	1824	1829	1833
Standard Axle Ratio	5.222:1	3.583:1	3.583:1
Governed Speed (mph)	56	56	56
Engine revs at governed speed	1800	1690	1690
Gradeability 1st gear rolling	27%	36%	43%

Other axle ratios may be available on request

Wheels & Tyres

Wheels	8.25 x 22.5
Tyres	295/80R 22.5
Spare Wheel and Carrier	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 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)	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	300 aluminium	RHS
AdBlue Tank	95	RHS
	Lockable caps	

cab

Standard cab	Extended day (SE)
Dashboard	Long Distance
Windows in rear wall	Optional
Bumper	Plastic
Under bumper spoiler	Standard
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
Front and rear underride guards

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

options

Chassis

Vertical exhaust tailpipe behind cab
Vertical silencer behind cab
Aluminium air reservoirs
Up-rated front axles
Rear axle air suspension
Front axle air suspension (only with rear air suspension)
Axle load indicator (only with air suspension)
Drawbar package
210 litre plastic fuel tank
400 litre aluminium fuel tank
500 litre aluminium fuel tank
Steel fuel tanks
Spare wheel, tyre and carrier
Super Singles on front axle
Steel front bumper

Driveline

Higher capacity air compressor
Telligent gearshift (only with G211 gearbox)
G211-16 speed gearbox including 430mm dia clutch (not 1824)
G131-9 speed gearbox with 3.909 rear axle ratio (1824)
Telligent AutoTrans (only with 6 speed gearbox)
Gear oil cooler
Hub reduction rear axle with disc brakes
Various PTOs
Telligent braking system with ABS (and ASR)
Aluminium wheels

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)
Vinyl covered seats (not with centre seat)
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 or under cab

Engine

220Ah batteries
100 amp alternator

Electrics

Xenon headlamps
Headlamp washers
Halogen fog lights - front
Audible reverse warning