

# AXOR-R

BLUETEC 4

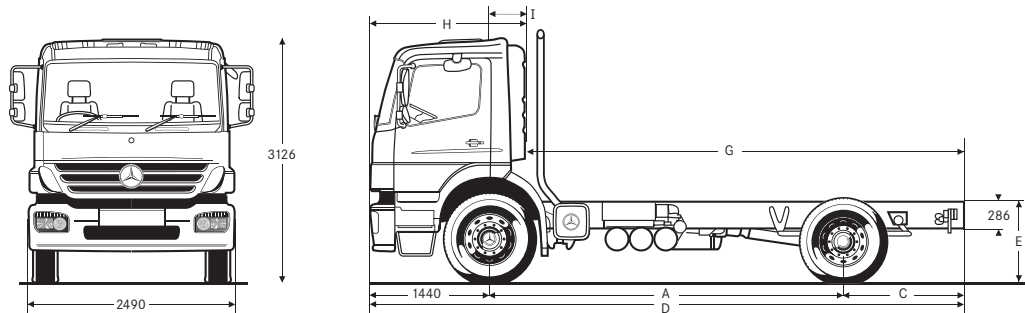
BLUETEC 5

4x2 Tipper  
18,000kg GVW

1824K

1829K

1833K



## dimensions (mm)

A Wheelbase	3600	3900
C Rear overhang	1150	1150
D Overall length	6255	6555
E Frame height at rear axle (steel suspension unladen)	1176	1176
G Back of cab to end of frame (day cab)	4360	4660
H Bumper to back of cab (day cab)	1830	1830
I Cab rear to front axle (day cab)	390	390
Ground clearance front	277	277
Ground clearance rear	326	326
Frame width (at rear)	760	760
Turning circle (wall to wall) m	14.9	15.8

Minimum cab gap: Day Cab = 500mm

## weights (kg)

	1824K	
Wheelbase	3600	3900
<b>Kerb Weights (Steel Suspension)*</b>		
Front axle	3609	3611
Rear axle	1736	1764
Total	5345	5375

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

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

Weights and dimensions are to standard specification with 20 litres of fuel, 5 litres of AdBlue, oil, water, tools.

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

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

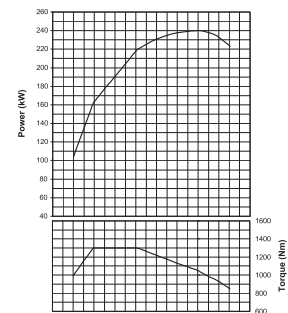
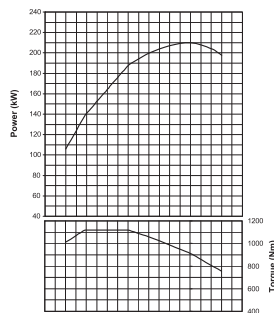
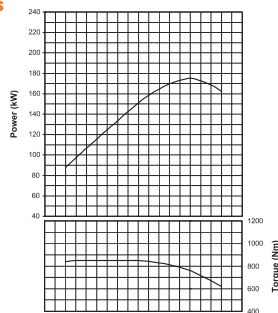


Mercedes-Benz

## engine

	1824K	1829K	1833K
<b>Type</b>	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
<b>Max. power</b> @ 2200 rpm	175kW 238PS	210kW 286PS	240kW 326PS
<b>Max. torque</b> @ 1200 - 1600 rpm	850Nm 627lbft	1120Nm 826lbft	1300Nm 960lbft
<b>Bore</b>	102mm	102mm	106mm
<b>Stroke</b>	130mm	130mm	136mm
<b>Capacity</b>	6.37 litres	6.37 litres	7.2 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>Immobiliser</b>		Standard	
<b>Engine Brake</b>		Constant throttle with butterfly	
<b>Exhaust</b>		Stainless steel with SCR catalytic converter LHS with vertical tailpipe	
<b>Cruise Control</b>		Standard	

### Performance Curves



## transmission

### Gearbox & Ratios

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

### Clutch

<b>Type</b>	Hydraulically operated single dry plate
<b>Diameter</b>	395mm

### Rear Axle Ratios & Performance

Model	1824K	1829K	1833K
<b>Standard Axle Ratio</b>	6.000:1	4.143:1	4.143:1
<b>Governed Speed (mph)</b>	56	56	56
<b>Engine revs at governed speed</b>	2070	1950	1950
<b>Gradeability 1st gear rolling</b>	30%	41%	48%

Other axle ratios may be available on request

### Wheels & Tyres

<b>Wheels</b>	8.25 x 22.5
<b>Tyres</b>	295/80R 22.5
<b>Spare Wheel and Tyre</b>	Optional
<b>Wheel Nut Covers</b>	Standard

### Axles

<b>Front</b> - Type	Mercedes-Benz drop centre 'I' beam
- Design capacity	7500kg
<b>Rear</b> - Type	Mercedes-Benz hub reduction with differential lock
- Design capacity	13000kg



## chassis

### Brakes

<b>Front</b>	Disc brakes (430mm dia)
<b>Rear</b>	Drum brakes (410mm x 220mm)
<b>Service</b>	Dual circuit air system Self adjusting Air dryer heated

### Secondary/Parking

<b>Load sensing</b>	Progressive rear spring brake actuators
<b>ABS</b>	Rear axle Standard

### Suspension

<b>Front axle:</b>	Parabolic leaf springs Double acting shock absorbers Stabiliser
<b>Rear axle:</b>	Parabolic dual rate leaf springs Double acting shock absorbers Stabiliser

### Steering

<b>Type</b>	Recirculating ball Integral power assistance Variable ratio Steering column lock Adjustable column
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### Tanks

	Capacity (litres)	Position
<b>Fuel Tank</b>	300 aluminium	RHS
<b>AdBlue Tank</b>	35	RHS
	Lockable caps Filter in fuel filter neck	

## cab

<b>Standard cab</b>	Extended day (SE)
<b>Dashboard</b>	Distribution
<b>Windows in rear wall</b>	Standard
<b>Bumper</b>	Steel
<b>Under bumper spoiler</b>	Not available
<b>Switch and wiring for body interior light</b>	Optional

### Electrical Systems (featuring CAN bus technology)

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

### Protection & Finish

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

### General

Ladder frame, high tensile steel
Channel section sidemembers
Bolted rear crossmember
Protective grilles on headlamps

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

# options

## Chassis

Vertical exhaust tailpipe behind cab  
Aluminium air reservoirs  
Upgraded front axles  
Drawbar package  
400 litre fuel tank – steel or aluminium  
Spare wheel and tyre  
Super Singles on front axle

## Driveline

Higher capacity air compressor  
Telligent gearshift (only with G211 gearbox)  
G211-16 speed gearbox including 430mm dia clutch (not 1824K)  
G131-9 speed gearbox with 4.143:1 rear axle ratio (1824K only)  
Telligent AutoTrans (only with 6 speed gearbox)  
Gear oil cooler  
Various PTOs  
Telligent braking system with ABS (and ASR)  
Aluminium wheels

## Cab

Night heater in day cab  
Radio / Cassette player  
Air conditioning  
Central locking  
Air suspension passenger seat  
Centre seat with seat belt (only with Distribution dashboard)  
Vinyl covered seats (not with centre seat)  
Heated windscreen  
Tinted glass  
Long Distance dashboard with parking brake control on dashboard (not with centre seat)  
Comfort dashboard (not with centre seat)  
Wood trim on instrument panel  
Additional sockets in cab  
External sun visor - transparent  
Air horns on cab roof or under cab

## Engine

220Ah batteries  
100 amp alternator

## Electrics

Headlamp washers  
Halogen fog lights - front  
Yellow roof beacons  
Audible reverse warning