

# AXOR-R

BLUETEC 4

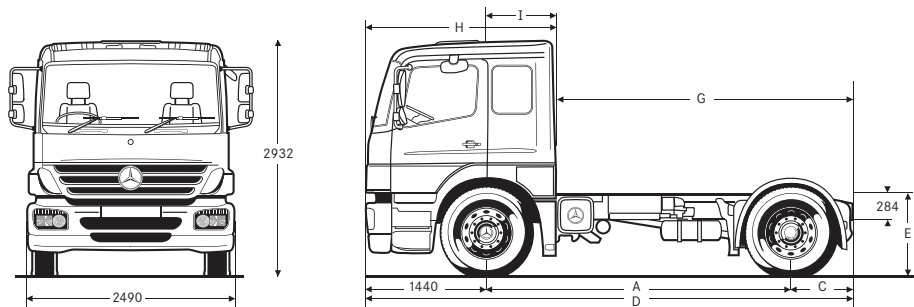
BLUETEC 5

4x2 Tractor  
36,000kg GCW

1824LS

1829LS

1833LS



## dimensions (mm)

A Wheelbase	3600
C Rear overhang	770
D Overall length	5815
E Frame height at rear axle (air suspension unladen)	1015
G Back of cab to end of frame (day cab)	3980
Back of cab to end of frame (sleeper cab)	3560
H Bumper to back of cab (day cab)	1830
Bumper to back of cab (sleeper cab)	2250
I Cab rear to front axle (day cab)	390
Cab rear to front axle (sleeper cab)	810
Ground clearance front	277
Ground clearance rear	217
Frame width (at rear)	758
Turning circle (wall to wall) m	14.9

Minimum cab gap: Day Cab = 400mm, Sleeper Cab = 200mm

## weights (kg)

	1824LS/1829LS
Wheelbase	3600
<b>Kerb Weights (Air Suspension)*</b>	
Front axle	3819
Rear axle	1716
Total	5535

Plated Weights	UK Authorised	C&U	Design
GVW	18000	17000	18000
GCW	36000	36000	36000
Front axle	7100	7100	7500
Rear axle	11500	10500	11500

\*1833LS adds 80kg to total kerb weight

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

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

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

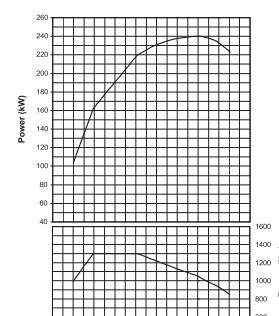
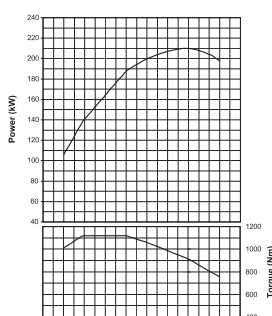
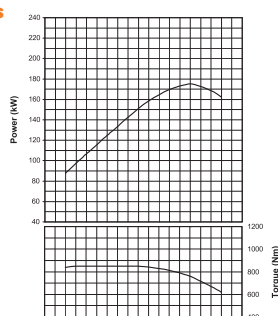


Mercedes-Benz

## engine

	1824LS	1829LS	1833LS
<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	
<b>Cruise Control</b>		Standard	

### Performance Curves



## transmission

### Gearbox & Ratios

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

### Clutch

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

### Rear Axle Ratios & Performance

Model	1824LS	1829LS	1833LS
<b>Standard Axle Ratio</b>	4.300:1	3.909:1	3.909:1
<b>Governed Speed (mph)</b>	56	56	56
<b>Engine revs at governed speed</b>	2030	1840	1840
<b>Gradeability 1st gear rolling</b>	15%	19%	23%

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 hypoid with differential lock
- Design capacity	13000kg



# chassis

## Brakes

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

## Suspension

<b>Front axle:</b>	Parabolic leaf springs Double acting shock absorbers Stabiliser
<b>Rear axle:</b>	Air suspension Control valve + 170mm, - 90mm Double acting shock absorbers Stabiliser Electronic level adjustment

## 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>	95 Lockable caps	RHS

# cab

<b>Standard cab</b>	Sleeper (L)
<b>Dashboard</b>	Long Distance
<b>Windows in rear wall</b>	Optional
<b>Bumper</b>	Plastic
<b>Under bumper spoiler</b>	Standard

## 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  
Front spray suppression  
Gantry with suzies, electrical connections and coupling lamp  
3 piece rear wings with spray suppression  
Front underride guard

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

# options

## Chassis

Vertical exhaust tailpipe behind cab (not with sleeper cab)  
Higher capacity air compressor  
Aluminium air reservoirs  
Up-rated front axles  
Front axle air suspension  
Axle load indicator  
500 litre aluminium fuel tank  
Spare wheel and tyre  
Super Singles on front axle  
Jost 5th wheel coupling  
Chassis side skirts

## Driveline

Telligent gearshift (only with G211 gearbox)  
G211-16 speed gearbox including 430mm dia clutch (not 1824LS)  
G85-6 speed gearbox with 5.875 rear axle ratio (1824LS)  
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  
Steel front bumper

## 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  
Day Cab with extended rear wall (SE)  
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