

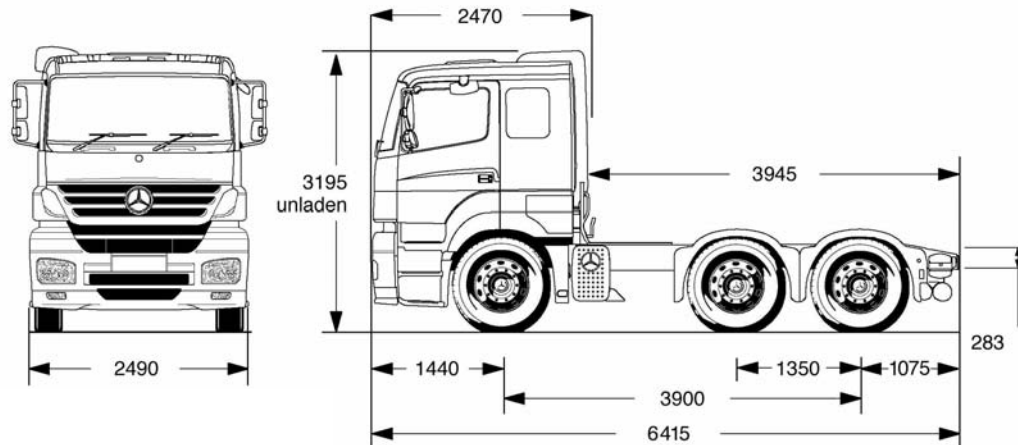
AXOR-C

BLUETEC 4

BLUETEC 5

6x2 Tractor

2536LS
2540LS
2543LS



dimensions (mm)

Wheelbase	3900
Frame height at rear axle (unladen)	1015
Frame depth	284
Rear ground clearance	221
Cab tilt angle	67°
Turning circle (wall to wall) m	15.5
Recommended 5th wheel position (forward of rear axle centre line)	840

Full length trailers (12m pin to rear end) at max. legal length.

weights (kg)

Kerb Weights

Front axle	4570
Rear axle (s)	2995
Total	7565

Plated Weights

	UK Authorised		C&U	Design
Front axle	7100	7100	7100	7100
Mid axle	7100	6500	6500	7100
Rear axle	11500	10500	10500	11500
GVW	23400	23400	22360	25000
GCW	40000	44000	38000	44000

Weights and dimensions are to standard specification including fixed 5th wheel and lead-up ramps, with 20 litres of fuel, 5 litres of AdBlue, oil, water and tools. Kerb weights are subject to a manufacturing tolerance of $\pm 2\%$.

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



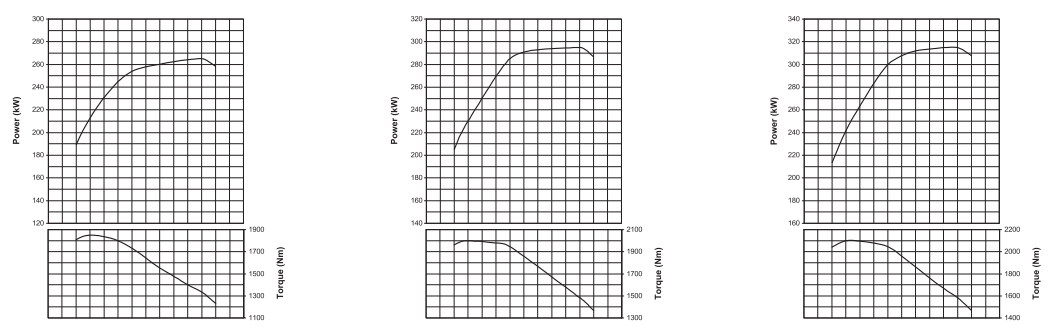
Mercedes-Benz



2536LS
2540LS
2543LS

Type	2536LS	2540LS	2543LS
		Mercedes-Benz OM457LA 12 litre turbo-intercooled in-line 6 cylinder direct injection diesel 4 valves per cylinder	
Max. power @ 1900 rpm	265kW 360PS	295kW 401PS	315kW 428PS
Max. torque @ 1100 rpm	1850Nm 1365lbft	2000Nm 1475lbft	2100Nm 1550lbft
Bore		128mm	
Stroke		155mm	
Capacity		11.97 litres	
Control		Telligent electronic engine management	
Fuel Injection		Direct injection via unit injectors	
Cooling		Water cooled with electromagnetic fan	
Security		Immobiliser to Thatcham H2	
Engine brake		Constant throttle & butterfly	
Exhaust		Stainless steel with SCR catalytic converter	

Performance Curves





transmission

Gearbox & Ratios

8 speed synchromesh plus crawler gear Hydraulic gearshift with 'double H' shift pattern automated gearshift

Type	G221-9
Crawler	16.15
1st	10.19
2nd	7.16
3rd	5.13
4th	3.38
5th	2.66
6th	1.87
7th	1.34
8th	1.00
Reverse	14.91

Axles

Front	Mercedes-Benz 'I' beam
Rear	Mercedes-Benz single reduction Cross-axle differential lock
Mid	Non steered midlift axle

Optional Gearbox

Mercedes Powershift 12 speed constant mesh, two pedal automated gearshift

Type	G211-16
Forward	
1st	14.93
2nd	11.67
3rd	9.93
4th	7.06
5th	5.63
6th	5.37
7th	3.39
8th	2.65
9th	2.05
10th	1.60
11th	1.28
12th	1.00
Reverse	
1st	14.93
2nd	11.67
3rd	3.39
4th	2.65

Rear Axles Ratios & Performance

Model	1836LS	1840LS	1843LS
Axle Ratio	3.08:1	3.08:1	3.08:1
Engine revs at 56mph	1450	1450	1450
Geared speed (mph)	73	73	73
Max. Gradeability % (rolling)			
44 tonne	37	40	42

Alternative axle ratios may be available on request.

Clutch

Type	Hydraulically operated single dry plate with air assistance
Diameter	430mm

chassis

Brakes

Front/Rear	Disc brakes
Service	Dual circuit air system Rear axle load sensing Automatic brake adjustment Heated air dryer Anti-lock brakes (ABS)
Secondary	Front, rear and trailer
Parking	Progressive front and rear spring brake actuators Hand control operation
Trailer	Two line
Engine braking	Activated by 2-stage column stalk stage 1 constant throttle stage 2 constant throttle and exhaust butterfly
Optional turbo brake	Replaces the exhaust butterfly and increases braking performance from 280 to 450kw (612PS)

Steering

Type	Variable ratio recirculating ball Integral power assistance
Adjustable column	70mm height, 11° angle, pneumatically locked

Fuel Tank

	Capacity (litres)	Position
Fuel	450 aluminium	RHS
AdBlue	40	LHS
	Lockable caps	

Wheels & Tyres

Wheels	8.25 x 22.5
Tyres	295 / 80R 22.5

Suspension

Front axle	2 leaf parabolic springs Double acting shock absorbers Stabiliser
Rear axle	Full air with electronic modulation Double acting shock absorbers Stabiliser
Mid axle	Full air with lift and dump facility

Electrical Systems

Voltage	24 volt Negative insulated return
Batteries	2 x 12 volt 165Ah
Electrical Distribution System	CAN bus technology Circuit breakers
Alternator	28 volt/80 amp

General

Catwalk
Gantry with suzies and electrical connections
Three piece rear wings
Jost JSK36 fixed 5th wheel, lead-up ramps and mounting angle brackets drilled at 50mm intervals
Coupling lamp
Front underrun protection

options

Description	Weight Adjustments		
	Front	Rear	Total
Driveline			
12 speed Mercedes Powershift	-40	0	-40
Turbo Brake	20	0	20
PTOs			
PTO flange drive NA 123-10B (slow)	45	0	45
PTO flange drive NA 123-10B (medium)	45	0	45
PTO flange drive NA 123-10B (fast)	45	0	45
Double PTO flange drive/pump mount NA 123-11b/1c (slow) inc. PSM module	55	0	55
Double PTO flange drive/pump mount NA 123-11b/1c (medium) inc. PSM module	55	0	55
Double PTO flange drive/pump mount NA 123-11b/1c (fast) inc. PSM module	55	0	55
PTO flange drive NA 121-1b (2 speed)	7	0	7
PTO for pump mounting NA 121-2c (2 speed)	10	0	10
PSM module for PTO applications	-	-	-
Brakes			
Aluminium air reservoirs	-15	-10	-25
Chassis			
Alcoa brushed aluminium wheels (8.25 x 22.5) - in lieu of same size steel	-30	-90	-120
Alcoa brushed aluminium wheels (9.00 x 22.5) - in lieu of same size steel wheels	-40	-120	-160
Jost SV36DR sliding 5th wheel and lead-up ramps (in lieu of fixed 5th wheel)	15	75	90
Omission of Jost JSK36 fixed 5th wheel and lead-up ramps	-35	-195	-230
Various Fontaine 5th wheels available			
Steel front bumper	20	0	20
Electrics			
200Ah batteries	15	10	25
100 amp alternator	-	-	-
Headlamp washers	5	0	5
Halogen front fog lights	5	0	5
Additional driving lights	5	0	5
Audible reverse warning	-	-	-

NOTE:

For cab options please see the separate Axor Cab Specification Sheet CV 715