

dimensions (mm)

Wheelbase	3900
Frame height at rear axle (unladen)	854
Ground clearance front	158
Ground clearance rear	130
Cab tilt angle	70°
Turning circle (wall to wall) m	16.1
Recommended 5th wheel position	
Full length trailers	840
Frame width at rear	757

weights (kg)

Kerb Weights

Front axle	4765
Rear axle	1685
Total	6450

Plated Weights

	UK Authorised	C&U	Design
Front axle	7100	7100	7500
Rear axle	11500	10500	11500
GVW	18000	17000	18000
GCW	40000	38000	44000

Weights and dimensions shown are for Long Distance specification with a lowered car transporter roof sleeper cab.

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

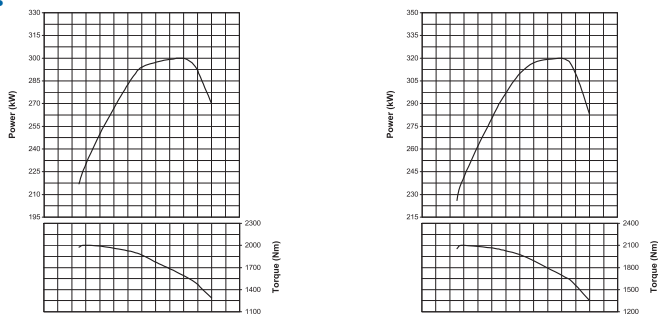
Kerb weights are subject to a manufacturing tolerance of ±2%. The right is reserved to alter specification or equipment without notice.



engine

	1841LSnRA	1844LSnRA
Type	Mercedes-Benz OM501LA 12 litre turbo-intercooled 4 valves per cylinder V6 direct injection diesel	
Max. power @ 1800 rpm	300kW 408PS	320kW 435PS
Max. torque @ 1080 rpm	2000Nm 1475lbft	2100Nm 1549lbft
Bore	130mm	
Stroke	150mm	
Capacity	11.95 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 & Gearbox Ratios

Mercedes PowerShift – fully automated 12 speed constant mesh gearbox.

G211	410, 440	
	G211	G211
1st	14.93	9th 2.05
2nd	11.67	10th 1.60
3rd	9.93	11th 1.28
4th	7.06	12th 1.00
5th	5.63	1st Reverse 14.93
6th	5.37	2nd Reverse 11.67
7th	3.39	3rd Reverse 3.39
8th	3.39	4th Reverse 2.65

Clutch

Type	Automatically actuated single dry plate clutch
Diameter	430mm

Axles

Front	Mercedes-Benz 'I' beam
Rear Bogie	Mercedes-Benz single reduction Cross-axle differential lock

chassis

Brakes

Front/Rear Service	Disc brakes Telligent electro-pneumatic braking Dual circuit air 10 bar operating pressure Load sensing Automatic brake adjustment Heated air dryer Anti-lock brakes ASR traction control Hill hold feature
Secondary Parking	Front, rear and trailer Front, rear spring brakes Hand control operation
Trailer Exhaust brake	Two line Linked to accelerator with footbrake

Steering

Type	Recirculating ball Variable ratio Integral power assistance Steering column adjustable for height and rake Steering column lock
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Fuel Tank

	Capacity (litres)	Position
Fuel	400 aluminium	RHS
AdBlue	85 Lockable caps	RHS

Suspension

Front axle	Full air suspension Double acting shock absorbers Stabiliser
Rear axle	Full air with electronic modulation Double acting shock absorbers Stabiliser

Rear Axles Ratios & Performance

Engine	410	440
Axle Ratio	2.533	2.533
Max. geared speed (mph)	77	77
RPM at 90kmph (56mph)	1312	1312
% Rolling gradeability		
40 tonne	36	38
Axle Ratio	2.846	2.846
Max. geared speed (mph)	68	68
RPM at 90kmph (56mph)	1474	1474
% Rolling gradeability		
40 tonne	41	43

Wheels & Tyres

Wheels	9.00 x 22.5
Tyres	315 / 60R 22.5

Electrical Systems

Voltage	24 volt Negative insulated return
Batteries	2 x 12 volt, 220Ah
Electrical Distribution System	Circuit breaker protection
Alternator	28 volt/80 amp

General

Catwalk
Gantry with suzies and electrical connections
Fold down step in under bumper spoiler
Three piece rear wings
Coupling lamp
Front underrun protection

options

Description	Weight Adjustments		
	Front	Rear	Total
Driveline			
Speedline wheels 9.00 x 22.5	-30	-65	-95
Alcoa wheels 9.00 x 22.5	-40	-80	-120
16 speed Mercedes PowerShift gearbox	+45	+10	+55
16 speed Tellegent gearbox	+50	+10	+60
16 speed hydraulic gearbox	+50	+10	+60
Brakes			
Aluminium air tanks	-20	-10	-30

Component weights are provided as a guide but may vary according to production tolerances

NOTE:

For cab options please see the separate Actros Cab Specification Sheet CV 700