

dimensions (mm)

A Wheelbase	5400	5700
B Rear overhang	2350	2350
D Overall length	9455	9755
G Back of cab to end of frame	7141	7441
Frame height at rear axle (unladen)	882	882
Ground clearance front	158	158
Ground clearance rear	173	173
Cab tilt angle	70°	70°
Turning circle (wall to wall) m	20.9	21.9
Frame width at rear	757	757

weights (kg)

Kerb Weights

Wheelbase mm	5400	5700
Front axle	4887	4887
Rear axle	1894	1934
Total	6781	6821

Plated Weights

	UK Authorised	C&U	Design
Front axle	7100	7100	7500
Rear axle	11500	10500	11500
GVW	18000	17000	18000
GTW	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.

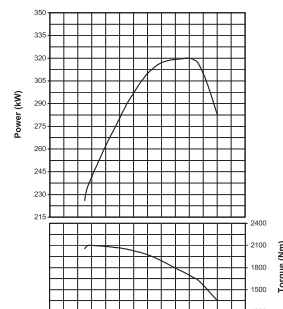
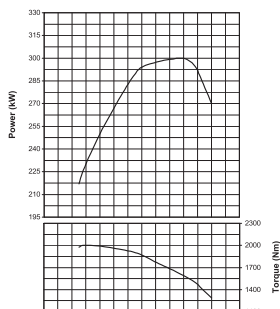
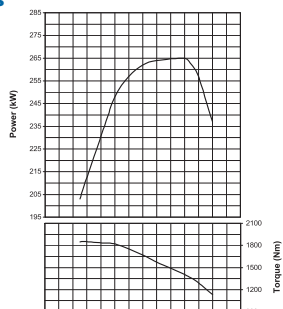
Kerb weights are subject to a manufacturing tolerance of $\pm 2\%$. The right is reserved to alter specification or equipment without notice.



engine

Type	1836LnRA	1841LnRA Mercedes-Benz OM501LA 12 litre turbo-intercooled 4 valves per cylinder V6 direct injection diesel	1844LnRA
Max. power @ 1800 rpm	265kW 360PS	300kW 408PS	320kW 435PS
Max. torque @ 1080 rpm	1800Nm 1364lbft	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	360, 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	2.65	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 Spring brakes on drive and trailing axles Hand control operation
Trailer Exhaust brake	Two line Linked to accelerator with override

Wheels & Tyres

Wheels	9.00 x 22.5
Tyres	315 / 60R 22.5

Suspension

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

Steering

Type	Recirculating ball Variable ratio Integral power assistance Steering column adjustable for height and rake Steering column lock
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Rear Axles Ratios & Performance

Engine	360	410	440
Axle Ratio	2.533	2.533	2.533
Max. geared speed (mph)	77	77	77
RPM at 90kmph (56mph)	1312	1312	1312
% Rolling gradeability			
18 tonne	+50	+50	+50
40 tonne	34	36	38

Axle Ratio	2.846	2.846	2.846
Max. geared speed (mph)	68	68	68
RPM at 90kmph (56mph)	1474	1474	1474
% Rolling gradeability			
18 tonne	+50	+50	+50
40 tonne	38	40	43

Fuel Tank

Fuel	Capacity (litres)	Position
Fuel	300 aluminium	RHS
AdBlue	85	RHS
	Lockable caps	

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

Rear underride guard
Reinforced rear crossmember
Trailer brake and electrical connections
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	-5	0	-5
16 speed hydraulic gearbox	0	0	0
Brakes			
Aluminium air tanks	-20	-10	-30
16 speed Mercedes PowerShift gearbox	-5	0	-5
16 speed hydraulic gearbox	0	0	0

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