

dimensions (mm)

Wheelbase	3600 Midiliner	3600 Lowliner
Frame height at rear axle (unladen)	889	821
Ground clearance front	168	139
Ground clearance rear	130	152
Cab tilt angle	70°	70°
Turning circle (wall to wall) m	14.9	15.2
Recommended 5th wheel position with full length trailers	540	540
Frame width at rear	757	757
Overhang C	770	1075*

* Lowliner includes integral rear (as does Midiliner with MegaSpace cab)

weights (kg)

Kerb Weights						
Wheelbases mm	3600 Midiliner		3600 Lowliner			
Front axle	4991		5065			
Rear axle	1650		1608			
Total	6641		6673			
Plated Weights						
	UK Authorised Midiliner	C&U	UK Authorised Lowliner	C&U	Design	
Front axle	7100	7100	6700	6700	7100	
Rear axle	11500	10500	11500	10500	11500	
GVW	18000	17000	18000	17000	18000	
GCW	40000	38000	40000	38000	44000	

Weights and dimensions shown are for Long Distance specification with a high roof sleeper cab.

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

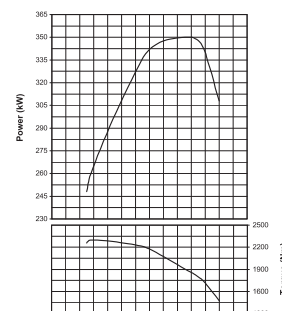
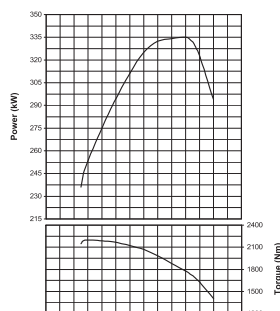
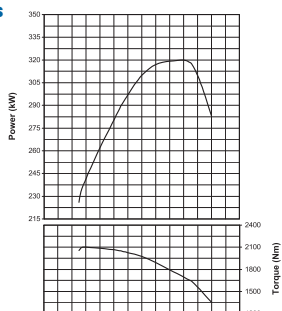
Kerb weights are subject to a manufacturing tolerance of ±2%. The right is reserved to alter specification or equipment without notice.



engine

Type	1844LSnR(L)	1846LSnR(L)	1848LSnR(L)
Max. power @ 1800 rpm	320kW 435PS	335kW 456PS	350kW 476PS
Max. torque @ 1080 rpm	2100Nm 1549lbft	2200Nm 1623lbft	2300Nm 1696lbft
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	440				
G281	460, 480				
	G211	G281		G211	G281
1st	14.93	14.93	9th	2.05	2.05
2nd	11.67	11.64	10th	1.60	1.60
3rd	9.93	9.02	11th	1.28	1.28
4th	7.06	7.03	12th	1.00	1.00
5th	5.63	5.64	1st Reverse	14.93	16.39
6th	5.37	4.40	2nd Reverse	11.67	12.74
7th	3.39	3.39	3rd Reverse	3.39	3.72
8th	2.65	2.65	4th Reverse	2.65	2.90

Clutch

Type	Automatically actuated single dry plate clutch
Diameter	430mm

Axles

Front	Mercedes-Benz 'I' beam
Rear Midliner	Mercedes-Benz single reduction Cross-axle differential lock
Rear Lowliner	Mercedes-Benz hub reduction Cross-axle differential lock

chassis

Brakes

Front/Rear	Disc brakes
Service	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	Two line
Exhaust brake	Linked to accelerator with override

Steering

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

Midliner	Parabolic leaf springs Double acting shock absorbers Stabiliser
Front axle Lowliner	Full air suspension Double acting shock absorbers Stabiliser
Rear axle	Full air with electronic modulation Double acting shock absorbers Stabiliser Two height settings. Alternative ride height +30mm

Rear Axles Ratios & Performance

	Midliner			Lowliner		
	440	460	480	440	460	480
Engine	440	460	480	440	460	480
Axle Ratio	2.533	2.533	2.533	2.533	2.533	2.533
Max. geared speed (mph)	77	77	77	74	74	74
RPM at 90kmph (56mph)	1312	1312	1312	1356	1356	1356
% Rolling gradeability						
40 tonne	38	40	42	40	42	42
Axle Ratio	2.846	2.846	2.846	2.846	2.846	2.846
Max. geared speed (mph)	68	68	68	66	66	66
RPM at 90kmph (56mph)	1474	1474	1474	1523	1523	1523
% Rolling gradeability						
40 tonne	43	45	47	45	47	47

Wheels & Tyres

Wheels	9.00 x 22.5
Tyres Midliner	315 / 60R 22.5
Tyres Lowliner	295 / 60R 22.5

Fuel Tank

	Capacity (litres)	Position
Fuel	500 aluminium	RHS
AdBlue	85	RHS
	Lockable caps	

Electrical Systems

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

General

Catwalk, step and coupling lamp
Gantry with suzies and electrical connections
Three piece rear wing

options

Description	Weight Adjustments		
	Front	Rear	Total
Driveline			
16 speed Mercedes PowerShift gearbox	-5	0	-5
16 speed manual/Telligent gearbox	0	0	0
Brakes			
Aluminium air tanks	-20	-10	-30
Cab			
MegaSpace cab	+230	0	+230
MegaSpace cab (On Lowliner chassis front axle is 7100kg with 315/60R tyres)	+230	0	+230

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