

dimensions (mm)

	STEEL			AIR		
	A Wheelbase	4200	4500	5100	4200	4500
B Rear overhang	1900	1900	2250	1900	1900	2250
D Overall length	9155	9455	10405	9155	9455	10105
G Back of cab to end of frame	6695	6995	7945	6695	6995	7645
Frame height at rear axle (unladen)	1100	1100	1100	1045	1045	1045
Ground clearance front	285	285	285	285	285	285
Ground clearance rear	257	257	257	257	257	257
Cab tilt angle	70°	70°	70°	70°	70°	70°
Turning circle (wall to wall) m	18.8	19.8	21.7	18.8	19.8	20.7
Frame width at rear	763	763	763	763	763	763

weights (kg)

	STEEL			AIR		
	Wheelbases mm	4200	4500	5100	4200	4500
Kerb Weights						
Front axle	4540	4540	4540	4540	4540	4540
Rear axle	3870	3900	3990	3740	3770	3830
Total	8410	8440	8530	8280	8310	8370
Plated Weights						
	UK Authorised		Design	UK Authorised		Design
Front axle	8000	8000	8000	8000	8000	
Rear bogie	17000	19000	19000	19000	19000	
GVW	25000	26000	26000	26000	26000	
GTW	44000	40000	57000	44000	57000	

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.

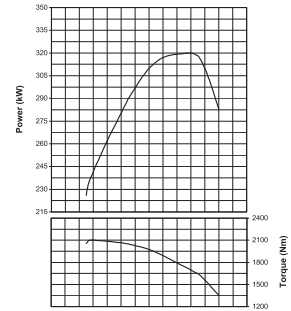
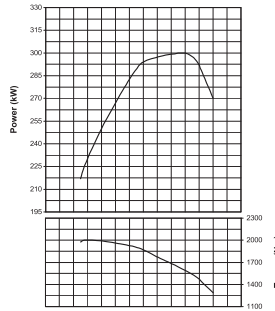
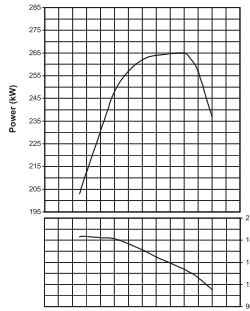
Kerb weights are subject to a manufacturing tolerance of $\pm 2\%$. The right is reserved to alter specification or equipment without notice.



engine

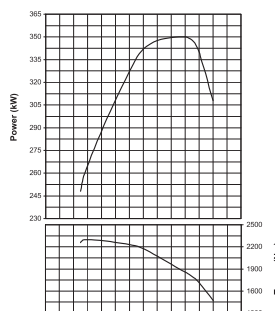
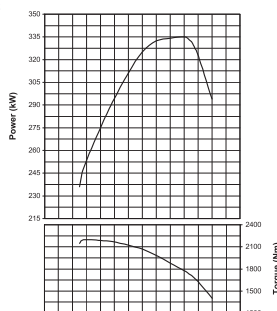
	2636(L)	2641(L)	2644(L)
Type		Mercedes-Benz OM501LA 12 litre turbo-intercooled 4 valves per cylinder V6 direct injection diesel	
Max. power @ 1800 rpm	265kW 360PS	300kW 408PS	320kW 435PS
Max. torque @ 1080 rpm	1850Nm 1364lbft	2000Nm 1475lbft	2100Nm 1549lbft
Bore		130mm	
Stroke		150mm	
Capacity		11.95 litres	
Control		Telligent electronic engine management	
Fuel Injection		Direct injection via unit injectors	
Cooling		Water cooled with viscous fan	
Security		Immobiliser to Thatcham H2	
Engine brake		Constant throttle & butterfly	
Exhaust		Stainless steel with SCR catalytic converter	

Performance Curves



	2646(L)	2648(L)
Type		Mercedes-Benz OM501LA 12 litre turbo-intercooled 4 valves per cylinder V6 direct injection diesel
Max. power @ 1800 rpm	335kW 456PS	350kW 476PS
Max. torque @ 1080 rpm	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 viscous 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.

G330	360, 410, 440, 460, 480		G330
	G330		G330
1st	11.63	9th	1.60
2nd	9.02	10th	1.24
3rd	7.03	11th	1.00
4th	5.45	12th	0.78
5th	4.40	1st Reverse	12.74
6th	3.41	2nd Reverse	9.90
7th	2.65	3rd Reverse	2.90
8th	2.05	4th Reverse	2.25

Clutch

Type	Automatically actuated single dry plate clutch
Diameter	430mm

Axles

Front	Mercedes-Benz 'I' beam
Rear Bogie	Mercedes-Benz hub reduction Inter-axle and cross-axle differential locks

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 Hill hold feature
Secondary	Front, rear and trailer
Parking	Rear spring brakes Hand control operation
Trailer	Two line
Exhaust brake	Linked to accelerator with override

Suspension

Front axle	Parabolic leaf springs Double acting shock absorbers Stabiliser
Rear axle Steel	Two spring bogie Double acting shock absorbers Stabiliser
Rear axle Air	Full air with electronic modulation

Fuel Tank

	Capacity (litres)	Position
Fuel	300 aluminium	RHS
AdBlue	95 Lockable caps	RHS

Engine	360	410	440	460	480
Axle Ratio	3.714	3.714	3.714	3.714	3.714
Max. geared speed (mph)	76	76	76	76	76
RPM at 90kmph (56mph)	1324	1324	1324	1324	1324
% Rolling gradeability					
26 tonne	50	+50	+50	+50	+50
44 tonne	29	31	33	35	36

Axle Ratio	4.143	4.143	4.143	4.143	4.143
Max. geared speed (mph)	68	68	68	68	68
RPM at 90kmph (56mph)	1479	1479	1479	1479	1479
% Rolling gradeability					
26 tonne	+50	+50	+50	+50	+50
44 tonne	32	35	37	39	41

Other ratios are available depending on drive-train configuration

Steering

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

Wheels	9.00 x 22.5
Tyres	315 / 80R 22.5

Electrical Systems

Voltage	24 volt Negative insulated return
Batteries	2 x 12 volt, 165Ah (Distribution) 2 x 12 volt, 220Ah (Long Distance)
Electrical Distribution System	Circuit breaker protection
Alternator	28 volt/80 amp

General

Rear underride guard
Trailer brake and electrical connections
Front underrun protection

options

Description	Weight Adjustments		
	Front	Rear	Total
Driveline			
PTO single outlet heavy duty (slow/med/fast)	+30	0	+30
PTO twin outlet heavy duty (slow/med/fast)	+40	0	+40
PTO single outlet light duty (pump mounting)	+10	0	+10
Speedline wheels 9.00 x 22.5	-30	-120	-150
Alcoa wheels 9.00 x 22.5	-38	-152	-190
Chassis			
500 litre fuel aluminium tank (full)	+270	+160	+430
7.5 tonne front axle	-20	0	-20
9 tonne front axle	+17	0	+17
Vertical tailpipe behind cab	+27	0	+27
Brakes			
Aluminium air tanks	-20	-10	-30
Electronics			
165Ah batteries	-15	-10	-25
Cab			
Cab air suspension	+20	0	+20
MegaSpace cab (available on selected variants only)	+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