

## dimensions (mm)

A Wheelbase	4800	5100	5400	6000
B Rear overhang	2250	2250	2500	3150
D Overall length	10105	10405	11256	12205
Frame height at rear axle (unladen)	1020	1020	1020	1020
G Back of cab to end of frame	7795	8095	8680	9895
Ground clearance front	287	287	287	287
Ground clearance rear	200	200	200	200
Cab tilt angle	70°	70°	70°	70°
Turning circle (wall to wall) m	20.2	21.1	22.2	24.1
Frame width at rear	757	757	757	757

## weights (kg)

### Kerb Weights

Wheelbase mm	4800	5100	5400	6000
Front axle	4970	4970	4970	4970
Rear bogie	2905	2945	2985	3065
Total	7875	7915	7955	8035

### Plated Weights

	UK Authorised	C&U	Design
Front axle	8000	8000	8000
Drive axle	11500	10500	11500
Trailing axle	7500	6800	7500
GVW	26000	25300	26000
GTW	40000	44000	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.

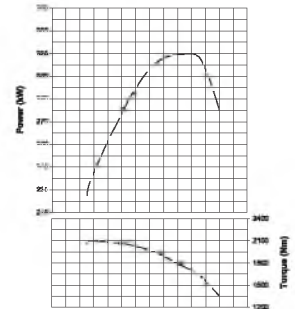
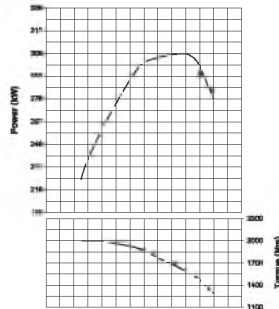
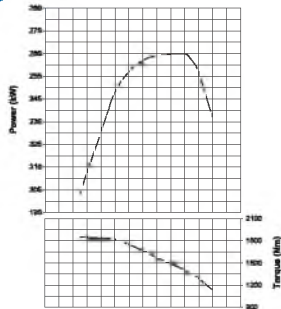
Kerb weights are subject to a manufacturing tolerance of  $\pm 2\%$ . The right is reserved to alter specification or equipment without notice.



# engine

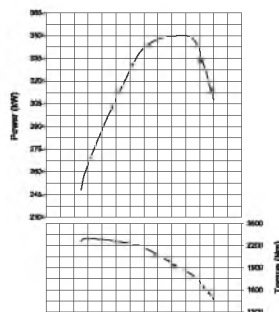
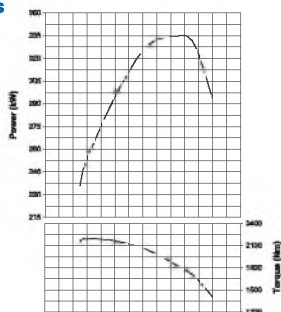
	2536L	2541L	2544L
<b>Type</b>		Mercedes-Benz OM501LA 12 litre turbo-intercooled 4 valves per cylinder V6 direct injection diesel	
<b>Max. power @ 1800 rpm</b>	265kW 360PS	300kW 408PS	320kW 435PS
<b>Max. torque @ 1080 rpm</b>	1850Nm 1364lbft	2000Nm 1475lbft	2100Nm 1549lbft
<b>Bore</b>		130mm	
<b>Stroke</b>		150mm	
<b>Capacity</b>		11.95 litres	
<b>Control</b>		Telligent electronic engine management	
<b>Fuel Injection</b>		Direct injection via unit injectors	
<b>Cooling</b>		Water cooled with electromagnetic fan	
<b>Security</b>		Immobiliser to Thatcham H2	
<b>Engine brake</b>		Constant throttle & butterfly	
<b>Exhaust</b>		Stainless steel with SCR catalytic converter	

## Performance Curves



	2546L	2548L
<b>Type</b>		Mercedes-Benz OM501LA 12 litre turbo-intercooled 4 valves per cylinder V6 direct injection diesel
<b>Max. power @ 1800 rpm</b>	335kW 456PS	350kW 476PS
<b>Max. torque @ 1080 rpm</b>	2200Nm 1623lbft	2300Nm 1696lbft
<b>Bore</b>		130mm
<b>Stroke</b>		150mm
<b>Capacity</b>		11.95 litres
<b>Control</b>		Telligent electronic engine management
<b>Fuel Injection</b>		Direct injection via unit injectors
<b>Cooling</b>		Water cooled with electromagnetic fan
<b>Security</b>		Immobiliser to Thatcham H2
<b>Engine brake</b>		Constant throttle & butterfly
<b>Exhaust</b>		Stainless steel with SCR catalytic converter

## Performance Curves



# transmission

## Gearbox & Gearbox Ratios

Mercedes PowerShift – fully automated 12 speed constant mesh gearbox.

	360, 410, 440		460, 480	
	G211	G281	G211	G281
<b>1st</b>	14.93	14.93	<b>9th</b>	2.05
<b>2nd</b>	11.67	11.64	<b>10th</b>	1.60
<b>3rd</b>	9.93	9.02	<b>11th</b>	1.28
<b>4th</b>	7.06	7.03	<b>12th</b>	1.00
<b>5th</b>	5.63	5.64	<b>1st Reverse</b>	14.93
<b>6th</b>	5.37	4.40	<b>2nd Reverse</b>	11.67
<b>7th</b>	3.39	3.39	<b>3rd Reverse</b>	3.39
<b>8th</b>	2.65	2.65	<b>4th Reverse</b>	2.65

## Clutch

<b>Type</b>	Automatically actuated single dry plate clutch
<b>Diameter</b>	430mm

## Axles

<b>Front</b>	Mercedes-Benz 'I' beam
<b>Rear Bogie</b>	Mercedes-Benz single reduction Cross-axle differential lock
<b>Trailing</b>	Mercedes-Benz tubular non steered

## Rear Axles Ratios & Performance

Engine	360	410	440	460	480
<b>Axle Ratio</b>	2.533	2.533	2.533	2.533	2.533
<b>Max. geared speed (mph)</b>	87	87	87	87	87
<b>RPM at 90kmph (56mph)</b>	1159	1159	1159	1159	1159
<b>% Rolling gradeability</b>					
<b>26 tonne</b>	46	50	+50	+50	+50
<b>44 tonne</b>	27	29	31	32	34
<b>Axle Ratio</b>	2.846	2.846	2.846	2.846	2.846
<b>Max. geared speed (mph)</b>	77	77	77	77	77
<b>RPM at 90kmph (56mph)</b>	1302	1302	1302	1302	1302
<b>% Rolling gradeability</b>					
<b>26 tonne</b>	+50	+50	+50	+50	+50
<b>44 tonne</b>	30	33	34	36	38
<b>Axle Ratio</b>	3.077	3.077	3.077	3.077	3.077
<b>Max. geared speed (mph)</b>	72	72	72	72	72
<b>RPM at 90kmph (56mph)</b>	1408	1408	1408	1408	1408
<b>% Rolling gradeability</b>					
<b>26 tonne</b>	+50	+50	+50	+50	+50
<b>44 tonne</b>	33	35	37	39	41

# chassis

## Brakes

<b>Front/Rear Service</b>	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
<b>Secondary Parking</b>	Front, rear and trailer Front, rear spring brakes Spring brakes on drive and trailing axles
<b>Trailer Exhaust brake</b>	Two line Linked to accelerator with override

## Suspension

<b>Front axle</b>	Parabolic leaf springs Double acting shock absorbers Stabiliser
<b>Rear axle</b>	Full air with electronic modulation Double acting shock absorbers Stabiliser
<b>Trailing</b>	Full air with lift facility (single tyres)

## Fuel Tank

Fuel	Capacity (litres)	Position
<b>Long Dist</b>	590 aluminium	RHS
<b>Distribution</b>	400 aluminium	RHS
<b>AdBlue</b>	95	RHS
	Lockable caps	

## Steering

<b>Type</b>	Recirculating ball Variable ratio Integral power assistance Steering column adjustable for height and rake Steering column lock
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## Wheels & Tyres

<b>Wheels</b>	9.00 x 22.5
<b>Tyres</b>	315 / 80R 22.5

## Electrical Systems

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

## General

Front underrun protection  
Rear underride guard  
Reinforced rear crossmember  
Trailer brake and electrical connections

# options

Description	Weight Adjustments		
	Front	Rear	Total
<b>Driveline</b>			
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 or flange mounting)	+10	0	+10
Speedline wheels 9.00 x 22.5	-30	-65	-95
Alcoa wheels 9.00 x 22.5	-40	-80	-120
12 speed Mercedes PowerShift gearbox (G211)	-55	-5	-60
12 speed Mercedes PowerShift gearbox (G281)	0	0	0
16 speed Mercedes PowerShift gearbox	-5	0	-5
16 speed manual/Telligent gearbox	0	0	0
<b>Chassis</b>			
Front air suspension	+30	0	+30
7.5 tonne front axle	-20	0	-20
9 tonne front axle	+17	0	+17
<b>Brakes</b>			
Aluminium air tanks	-20	-10	-30
<b>Electronics</b>			
165Ah batteries	-15	-10	-25
<b>Cab</b>			
Adjustable roof deflector	+33	0	+33
Cab air suspension	+20	0	+20
MegaSpace cab	+230	0	+230
Distribution Day Cab	-180	0	-180

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