



THE NEW M-CLASS



Mercedes-Benz





ML 350 with AMG bodystyling

Take the short-cut

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Built to take the rough with the smooth

There are many places worth visiting simply because they are so far off the beaten track. The new M-Class will get you there without a hint of fuss. Whether it's over impassable terrain to get to dead straight roads or the other way around – the M-Class is ready to tackle whatever lies ahead.

It's comfort and convenience all the way in the M-Class. This is a legacy of features such as the standard-fit 7G-Tronic automatic transmission and permanent four-wheel drive with the electronic traction system 4-ETS, while the robust engines take care of deliciously sweet power delivery. And as you settle into the ergonomically styled seats, you will be able to look forward to a gentle ride on even the most bone-jarring routes. Yet more convenience and comfort comes in the form of the multi-function steering wheel with Direct Select steering column gear selector, as well as the refined interior appointments. For added peace of mind, there's the Pre-Safe® system standard on all models.









Comfort and elegant materials hallmark the interior of the new M-Class. The sense of indulgence begins with the standard multi-function steering wheel, which allows you to operate not only the radio and the factory fitted telephone but also the gearshift without having to even take your hands off the wheel. Quality in its finest form also materialises in features such as leather-upholstered seat¹, wood trim with chrome inlay¹, tubular instrument cluster gauges, circular air vents and matt-finish aluminium

¹Standard on the SE models

If the M-Class is too quiet for you, just revel in the sounds of the great outdoors

The V-type CDI engine available for the new M-Class makes a name for itself by drawing its power from six cylinders. Despite its hushed running characteristics, it delivers explosive performance whilst still being frugal with the fuel. Plus, it comes with a diesel particle filter as standard.

The sheer motoring pleasure offered by the ML 320 CDI also stems from third-generation common-rail direct injection technology: the model's maximum power of 224 hp, 510 Nm of peak torque, top speed of 133 mph and 0 to 62 mph acceleration time of 8.6 seconds give it all the right credentials for both searing over the tarmac and negotiating demanding off-road terrain.

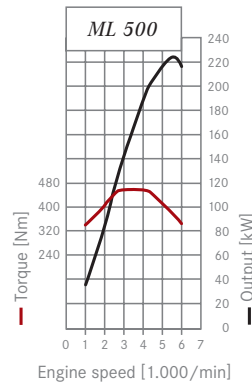
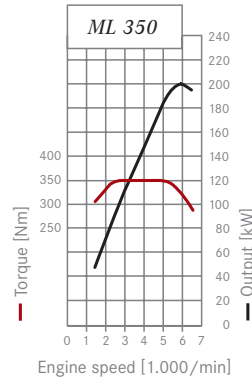




You don't have to go to the opera to enjoy cultured sounds

You can look forward to experiencing driving culture at its purest when you opt for one of the petrol-powered M-Class models. The ML 350 and ML 500 boast a repertoire consisting of smoothness blended with top performance and high torque levels. Economical running and low pollutant emissions round off the flawless performance of the two models.

A quick glance at the power curves instantly highlights the ample reserves of power which are on tap at low rev speeds. The new ML 350 deploys four-valve technology to elicit up to 272 hp of power and a peak torque of 350 Nm from the V6 engine. The ML 350 reaches a top speed of 140 mph and is propelled from 0 to 62 mph in 8.4 seconds. You will experience the ride comfort and power delivery of an 8-cylinder engine in the ML 500: its vital statistics of 306 hp of power, 460 Nm of peak torque, a top speed of 149 mph and a lightning-quick 0 to 62 mph acceleration time of 6.9 seconds make this the most powerful M-Class.









ML 350 Sport model

The principle of 7G-Tronic is as simple as skipping over a page in a book

At work in the M-Class is the world's first ever 7-speed automatic transmission: 7G-Tronic. Gears are selected directly without any perceptible interruption in tractive power. Should you wish to brake sharply or accelerate briskly, 7G-Tronic simply skips a few gears. Endless reserves of pulling power, silky smooth gearshifts and further fuel savings all add up to produce a winning combination. And if you're harbouring sporty ambitions, you can also opt to downshift manually using the standard Direct Select gearshift buttons on the steering wheel.

The perfect substitute for any road: the Off-road switch

A simple push of the Off-road switch that is fitted as standard in the M-Class primes all of its electronic systems for off-road driving and extra traction. The transmissions delays upshifts, for example, and the fuel is metered with greater precision. An additional switch can be used to operate the Downhill Speed Regulation DSR facility which helps you to negotiate steep downhill descents.

If you are looking to explore even more extreme terrain, we would advise you to have the optional Off-road Pro Package fitted. This comprises two engageable differential locks, a two-speed transfer case and a reinforced rear-axle differential. You can switch between the 1:1 on-road ratio and the 2.93:1 off-road ratio as the situation dictates. Furthermore, the AirMATIC air suspension in combination with the Off-road Pro Package allows the ground clearance of the M-Class to be increased by up to 110 millimetres.

For an even more imposing look – both on and off-road – you can opt for the AMG bodystyling, comprising front apron with integrated fog lamps and a rear apron.





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Still waters run deep ... until you plough through them

The impressive fording depth of the M-Class ensures you will never find yourself all at sea, as you will be able to ford water up to 500 millimetres in depth with consummate ease. And if you opt for the Off-road Pro Package, even minor floods will present no problems thanks to the increased maximum fording depth of 600 millimetres.





Every car has four wheels on the outside. But what about four wheels on the inside?

In the M-Class, you will no longer have to ration what you take with you because it simply allows you to carry more. With a load space of between 513 and 2012 litres with spare wheel at your disposal there is even enough room for two bicycles, for example. Six load-securing rings make light work of restraining any load, while the Easy-Pack load-securing kit including load-securing rails can be ordered as an option. And if you want to take things really easy, why not opt for the hydraulic tailgate with pushbutton operation?





Sometimes, being enclosed in a cage can be extremely liberating

Safety is also a matter of design in the new M-Class, with an extremely sturdy passenger cell that protects the occupants in the event of a collision. Its energy-absorbing, double-walled front-end structure, reinforced doors, extended crumple zones and increased height above the floor combine to offer high reserves of safety in an accident. These measures are partnered by multi-stage airbags, seat belts, seat belt pre-tensioners and belt force limiters. The M-Class also comes as standard with the new Neck Pro head restraint system. Following an impact from the rear that exceeds a predefined threshold, this system's sensors trigger pre-compressed springs which in turn push the front head restraints towards the occupant's head, preventing the risk of whiplash injuries.

And prevention is also the precept at the heart of Pre-Safe®, an occupant protection system boasting a whole package of measures which can be unleashed in a reflex reaction the moment an impending collision is detected.

ML350 with AMG bodystyling





Standard equipment

Selection

4-ETS Electronic Traction System for four-wheel drive
7G-Tronic 7-speed automatic transmission
Airbags for driver and front passenger, two-stage
Alarm system with interior monitoring
Alloy wheels
Anti-lock Braking System (ABS) with Brake Assist (BAS)
Armrest in front with compartment
Audio 20 CD car stereo with 8 speakers
Automatic climate control (Luxury climate control standard on ML 500)
Contrasting override guards, front and rear, grained silver finish
Courtesy lights in front and rear doors
Direct Select steering column gear selector and steering wheel gearshift buttons
Downhill Speed Regulation (DSR)
Electric windows, front and rear (with one-touch control)
Electronic Stability Programme (ESP®)
Exhaust system, twin pipe with exposed tailpipes
Exterior mirrors heated, folded and electrically adjustable

'Fasten seat belt' warning for front seats
Front fog lamps
Head restraints (5)
Headlamp assist
LED brake lights
Multi-function steering wheel, leather trimmed
Neck Pro active head restraints (front)
Outside temperature gauge
Permanent four-wheel drive
Pre-Safe® System
Rear bench seat, split-folding (1/3 : 2/3)
Rollover sensor
Sidebags for driver and front passenger
Speed-sensitive power steering
Tyre pressure loss warning indicator
Windowbags for driver, front passenger and passengers in rear

Optional extras

Selection

Safety

Bi-Xenon headlamps with Active Light System, headlamp cleaning system, dynamic headlamp range control and cornering lights in bumpers

Keyless-Go

Sidebags in the rear

Comfort

6-disc CD changer, MP3-compatible

COMAND APS control and display system with DVD navigation system and audio CD drive

Easy-Pack load-securing kit, incl. load-securing rails and removable rear seat cushions

SE model (in addition to standard model)

Burr walnut wood trim with chrome accents

Collision protection strip with chrome inserts

Door handles in vehicle colour with chrome trim

Electrically adjustable front seats

Heated front seats

Interior lighting package

Leather upholstery

Metallic paint

Radiator grille – black with chrome

Rear bumper trim

Easy-Pack tailgate, hydraulically operated (closes by pressing a button on the vehicle's remote-control key)

Heated driver's and front passenger seats

Multi-contour driver's and front passenger seats (standard on ML 500)

Multi-zone Luxury climate control (standard on ML 500)

Parktronic

Tilting/sliding glass sunroof, electric

Radio/Communication

harman/kardon LOGIC 7® surround sound system with 12 speakers

Scratch protection on rear bumper

Tailpipes – chrome, rectangular

Sport model (in addition to standard model)

19" Alloy wheels – 5-spoke design 8Jx19 (255/50 tyres)

Alcantara/Artico upholstery with contrasting stitching

Black aluminium trim

Collision protection strip with chrome inserts

Door handles in vehicle colour with chrome trim

Electrically adjustable front Sports seats

Design

AMG alloy wheels, 19", 5-spoke design

AMG bodystyling

Dark-tinted glass for rear side windows and tailgate window

Multi-function steering wheel, wood/leather trimmed

Equipment Packages

AirMATIC Package

Comfort Package

Off-road Pro Package

Off-road Styling Package

Heated front seats

Interior lighting package

Metallic paint

Pedals with stainless steel inserts and rubber stubs

Radiator grille – sterling silver with chrome

Rear bumper trim

Scratch protection on rear bumper

Sports instrument cluster

Tail lights, dark tinted

Tailpipes – chrome, rectangular

A mere glance at the specifications is enough to set the driver's pulse racing

The optional Off-road Pro Package enables the M-Class to negotiate even the toughest conditions, yet its operation, using the set of switches in the centre console, is delightfully straightforward.

The front seats can be smoothly adjusted into the optimum position courtesy of the power controls, whilst a memory function is available as part of the Comfort Package – again, all control switches are placed in a perfectly ergonomic arrangement.

Once you have settled in, imagine your gaze resting upon the optional fine-wood trim. Or the four-spoke, leather-wrapped multi-function steering wheel. The positioning of the gearshift selector on the steering column has made way for a compartment in the centre console that offers extra stowage space. The COMAND APS control and display system with integral DVD navigation system, radio tuner and CD player makes light work of driving from A to B, with all information neatly displayed on the 6.5" colour screen.







Paintwork and upholstery – the combination options

	<i>Aspen fabric/Artico</i> ^{1,2}		<i>Leather</i> ³			<i>Leather Twin</i> ^{1,4}			<i>Alcantara/Artico</i> ^{2,5}	
	Black	Alpaca grey	Black	Alpaca grey	Cashmere beige	Black	Alpaca grey	Cashmere beige	Black	Alpaca grey
<i>Non-metallic paint finishes</i>										
Black	●	●	●	●	●	●	●	●	●	●
Alabaster white	●	●	●	●	○	●	●	○	●	●
<i>Metallic paint finishes</i>										
Obsidian black	●	●	●	●	●	●	●	●	●	●
Tansanite blue	●	●	●	●	○	●	●	○	●	●
Carneol red ⁶	●	●	●	●	●	●	●	●	●	●
Travertine beige	●	△	●	△	●	●	△	●	●	△
Cubanite silver	●	●	●	●	△	●	●	△	●	●
Iridium silver	●	●	●	●	○	●	●	○	●	●
Andradite green	●	○	●	○	●	●	○	●	●	○
<i>Special paint</i>										
Lasurite blue ⁶	●	●	●	●	△	●	●	△	●	●
Peridot brown ⁷	●	○	●	○	●	●	○	●	●	○

● Recommended

○ Possible

△ Not recommended

¹Only on Standard models

²Artico is a man-made leather substitute

³Only on SE models

⁴Seat side bolsters come in a man-made leather substitute

⁵Only on Sport models

⁶Available late 2005

⁷Available from spring 2006

Non-metallic paint



040 Black



960 Alabaster white

Metallic paint

*Optional extra
on Standard models
Standard on
SE and Sport models*



197 Obsidian black



359 Tansanite blue



544 Carneol red¹



693 Travertine beige



723 Cubanite silver



775 Iridium silver



816 Andradite green



349 Lasurite blue¹



474 Peridot brown²

¹Available late 2005

²Available from spring 2006

Tougher clearcoat

This clearcoat is significantly more scratch-resistant than conventional paint and is characterised by a more durable sheen which is noticeably more intense. The secret of this protective coat is to be found in the countless tiny ceramic particles (each less than one millionth of a millimetre in size) which are integrated in the paint binding agent. Both non-metallic and metallic paint finishes benefit from the more scratch-resistant clearcoat which makes them less susceptible to the effects of the weather and environmental conditions such as precipitation, sunlight, temperature variations, dust and soot.

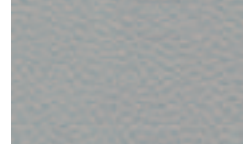
Leather Twin¹
Only on Standard models (optional)



101 Black



104 Cashmere beige



108 Alpaca grey

Leather
Only on SE models (standard)



201 Black



204 Cashmere beige



208 Alpaca grey

Aspen/Artico² fabric
Only on Standard models (standard)

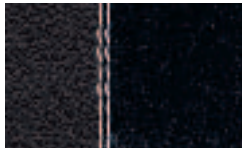


001 Black



008 Alpaca grey

Alcantara/Artico²
Only on Sport models (standard)



901 Black



908 Alpaca grey

Aluminium trim



Silver/black³

Wood trim



Burr walnut⁴



Bird's-eye Finesse⁵

¹Seat side bolsters come in a man-made leather substitute

²Man-made leather substitute

³Standard on Standard models and Sport models

⁴Only on SE models (standard)

⁵Only on Standard models (optional)

Preliminary Technical data

	<i>ML 320 CDI</i>	<i>ML 350</i>	<i>ML 500</i>
No. of cylinders/arrangement	6/V	6/V	8/V
Bore/stroke (mm)	83.0/92.0	92.9/86.0	97.0/84.0
Total displacement (cc)	2987	3498	4966
Rated output (hp at rpm) ¹	224/3800	272/6000	306/5600
Rated torque (Nm at rpm) ¹	510/1600–2800	350/2400–5000	460/2700–4750
Compression ratio	18.0	10.7	10.0
Top speed, approx. (mph)	133	140	149
Acceleration from 0–62 mph (s)	8.6	8.4	6.9
Tyre size	235/65 R 17	235/65 R 17	255/55 R 18
Fuel consumption (mpg) ²			
urban	21.9	18.3	15.2
extra-urban	35.3	29.4	27.2
combined	28.8	24.1	21.1
CO ₂ emissions (g/km) ²	260	279	319
Tank capacity (l), incl. reserve, approx.	95/13	95/13	95/13
Turning circle diameter (m)	11.6	11.6	11.6

	<i>ML 320 CDI</i>	<i>ML 350</i>	<i>ML 500</i>
Kerb weight (kg) ³	2185	2135	2175
Permissible gross vehicle weight (kg)	2830	2830	2830
Max. trailer load (kg) ⁴ braked/unbraked	3500/750	3500/750	3500/750
Luggage capacity (litres, incl. standard spare wheel, as per VDA measuring method)			
max. behind 2nd row of seats	795	795	795
max. behind 1st row of seats	2012	2012	2012
4 x 4			
Fording depth, standard suspension/Off-road Pro Package (mm)	500/600	500/600	500/600
Angle of approach/departure ⁵	27°/26°	27°/26°	27°/26°
Minimum ground clearance, front/rear (mm) ⁵ standard suspension	210/223	210/223	210/223
with Off-road Pro Package	181–291/189–299	181–291/189–299	181–291/189–299
Gradient climbing ability ^{5,6}	100%	100%	100%
Low-range off-road ratio (only with Off-road Pro Package)	2.93 : 1	2.93 : 1	2.93 : 1
Power distribution of permanent four-wheel drive	50 : 50	50 : 50	50 : 50

¹Figures according to Directive 80/1269/EEC, version 1999/99/EC

²The figures shown were obtained in accordance with the prescribed measuring process (Directive 80/1268/EEC in the currently applicable version).

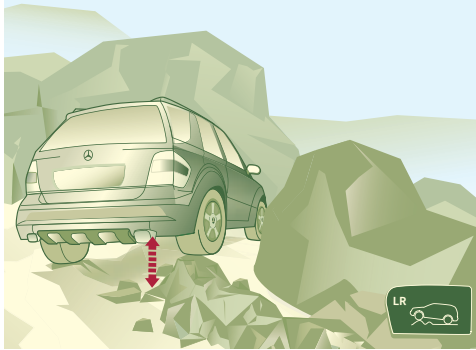
The figures are not based on an individual vehicle and do not constitute part of the product offer; they are provided solely for purposes of comparison between different vehicle models, based on standard specification.

³Figures according to Directive 92/21/EC, version 95/48/EC (kerb weight with fuel tank 90% full, driver, 68 kg, and luggage, 7 kg) for standard-specification vehicles. Optional extras and accessories will generally increase this figure and reduce the payload capacity accordingly

⁴Incl. drawbar load of 135 kg

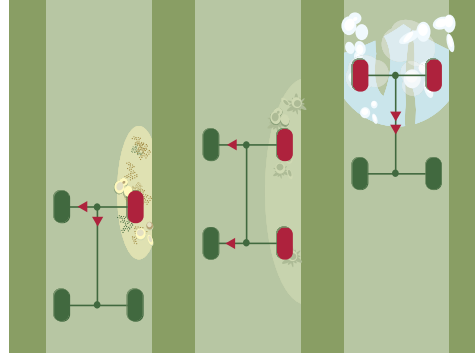
⁵Figures according to Directive 70/156/EEC, version 2000/40/EC

⁶Minimum 60% (= 31°), depending on surface and traction levels



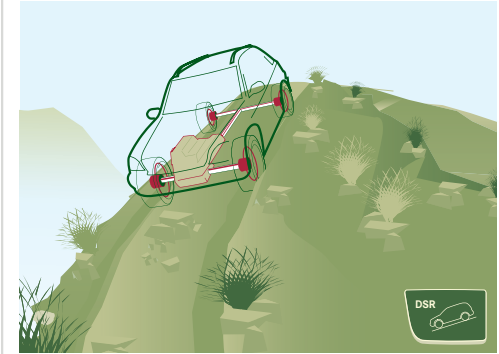
Off-road Pro Package

The Off-road Pro Package extends the off-road capabilities of the M-Class. A two-speed transfer case allows drivers to choose between the 1:1 on-road ratio and the 2.93:1 off-road ratio by pressing the Low-Range button in the centre console. This improves grip on loose surfaces by increasing drive torque. AirMATIC air suspension which has been specially tuned for off-road driving enables the vehicle's ride height to be raised in three levels, by 30, 80 and 110 millimetres respectively. Interaxle and rear-axle differential locks are also incorporated to maximise traction in tough terrain. The differential locks are controlled manually, whilst the interaxle lock may also be set for automatic regulation.



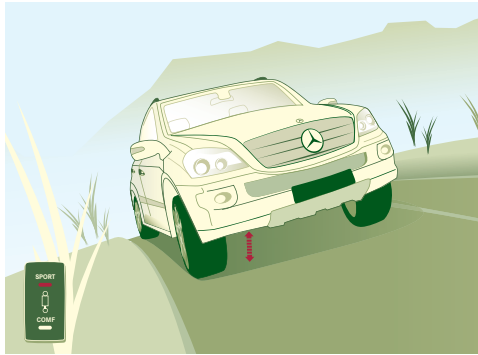
4-ETS

The permanent four-wheel-drive system fitted in the M-Class is partnered by the 4ESP®/4-ETS electronic dynamic handling control system. Boasting the basic functions ABS (Anti-lock Braking System), ASR (Acceleration Skid Control) and GMR (yaw torque control), 4-ETS enables optimum distribution of the tractive force between the four drive wheels, which in turn enhances traction, particularly in the face of varying surface conditions. Whenever the Off-road switch in the centre console is pressed, 4ESP®/4-ETS primes virtually all system functions for off-road driving.



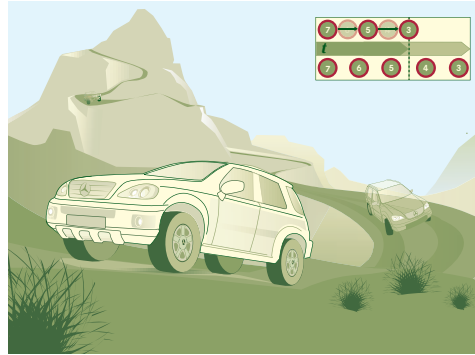
Downhill Speed Regulation (DSR)

When negotiating steep downhill descents in off-road terrain, DSR Downhill Speed Regulation ensures that the preset speed is not exceeded. The system is activated by pressing the DSR button in the centre console. Any speed between 3 mph and 11 mph can be preset using the cruise control lever. The exact speed is maintained by a combination of engine and transmission control, together with carefully metered brake applications.



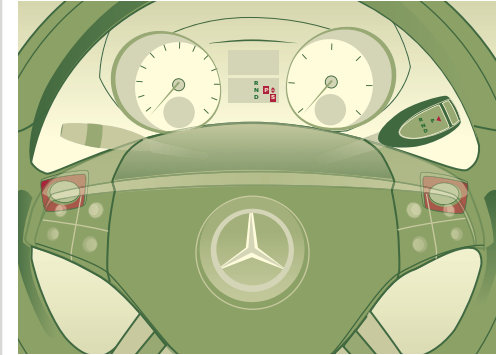
AirMATIC Package

The AirMATIC air suspension system comes with an all-round self-levelling control. Consequently, the full extent of the springs' travel is available even when the vehicle is fully laden. Adjustable air bellows lower the ride height to reduce drag at high speeds, either automatically or manually. This has the additional effect of reducing fuel consumption. On the other hand, ground clearance may also be increased when driving over rough terrain. Road roar and tyre vibration characteristics are improved by the ADS Adaptive Damping System (part of the AirMATIC package), as is directional stability. The three ADS modes 'Auto', 'Sport' and 'Comfort' give the driver additional scope for control over the ride-height settings.



7G-Tronic

The virtually seamless 7G-Tronic automatic transmission is the world's first ever 7-speed planetary transmission. It selects the ideal gear to suit the current driving situation at all times. As a result, pulling power is maximised. With seven forwards gears, there are virtually no jumps between them. Shift times are extremely short, meaning that gear changes are practically imperceptible. 7G-Tronic is also capable of skipping several gears at once when changing gear. The efficient method of operation of the 7G-Tronic transmission cuts fuel consumption by up to 10%.



Direct Select gear selector

The M-Class comes with the 7G-Tronic automatic transmission as standard, which is operated using the Direct Select gear selector on the steering column that replaces the conventional automatic gearshift in the centre console. Drivers looking for an even sportier style of motoring have the option of shifting down manually using the Direct Select gearshift buttons on the rear of the steering wheel's spokes. Commands are relayed to the transmission by a mere push of the finger, while the current shift range is displayed in the instrument cluster.





Take-back of end-of-life vehicles. Coming full circle

At the end of its long life, you can return your M-Class to us for environment-friendly disposal in accordance with the EU End-Of-Life Vehicle Directive¹.
But that day lies a long way off.

¹Applies in accordance with national regulations to vehicles up to 3.5 t permissible gross weight. The M-Class has met the statutory regulations governing the suitability of the vehicle's design for reuse and recycling for a number of years now. A network of vehicle take-back depots and dismantlers has been established which will process your vehicle in an environment-friendly manner. The ways in which both vehicles and parts can be recovered are subject to ongoing development and improvement. Consequently, the M-Class will be able to comply with any future increases in the recycling quota within the stipulated time limits.

For further information, please call 00800 1 777 7777.

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