

Vehicle Type

Model

No. of cylinders/arrangement	
Displacement (bore x stroke)	cc (mm)
Compression ratio	:1
Rated output	kW (hp) at 1/min
Rated torque	Nm at 1/min

Mixture formation

Gear ratios	1st/2nd/3rd/4th/5th/6th/7th/R 5-speed manual	i =
	6-speed manual	i =
	5-speed automatic	i =
	7-speed automatic	i =
Final drive	5/6-speed manual /5/7-speed automatic	i =

Front axle

Rear axle

Braking system

Discs (diameter x thickness)	mm
Steering	
Wheels	
Tyres	
Wheelbase	mm
Track front/rear	mm
Length/width/height	mm
Turning circle	m
Kerb weight ¹ /payload/perm. gross vehicle weight (acc. to EC)	kg
Roof load	kg
Towing capacity braked/unbraked	kg
Drawbar load	kg
Boot capacity (acc. to VDA measuring method)	l
Tank capacity/reserve	l
NEDC fuel consumption ²	
urban with manual/automatic transmission	l/100 km
extra-urban with manual/automatic transmission	l/100 km
combined with manual/automatic transmission	l/100 km
CO ₂ -emission with manual/automatic transmission	g/km
Fuel type	
Emission standard	
Acceleration 0-100 km/h (manual/automatic transmission) ²	s
Maximum speed (manual/automatic transmission) ²	km/h
Insurance group	third-party liability/full cover/part cover

SUV

ML 280 CDI 4MATIC

6/V, 4 valves per cylinder
2987(83.0 x 92.0)
17.7
140(190)/4000
440/1400-2800

High-pressure injection, common-rail technology, turbocharger, EDC

-
-
-
4.38/2.86/1.92/1.37/1.00/0.82/0.73/3.42
-/-/-/3.45, 4ETS, ESP

Double-wishbone suspension, anti-dive control, coil springs, gas-pressure shock absorbers, torsion-bar stabiliser

Four-link suspension, anti-squat and anti-lift control, coil springs, gas-pressure shock absorbers, torsion-bar stabiliser

Hydraulic dual-circuit braking system with vacuum booster and Brake Assist, stepped master brake cylinder, internally ventilated front discs, solid rear discs, foot-operated parking brake, ABS

Front: 330 x 32/Rear: 330 x 14
Rack-and-pinion speed-sensitive power steering
7.5 J x 17
235/65 R 17
2915
1627/1629
4780/1911/1815
11.6
2185/645/2830
100
750/3500
140
551-2050
95/13
-/12.7-12.8
-/7.5-7.8
-/9.4-9.6
-/249-254
Diesel
EU4
-/9.8
-/205
23/27/25

Correct as of March 2008. Errors and omissions excepted.
The manufacturer reserves the right to make changes without notice.

¹ Definition of kerb weight acc. to 1992/21/EC:
The kerb weight relates to a standard-specification vehicle with a 68-kg driver, 7 kg of luggage and the fuel tank 90% full.

² The figures indicated vary according to the tyre dimensions.

Vehicle Type

Model

No. of cylinders/arrangement	
Displacement (bore x stroke)	cc (mm)
Compression ratio	:1
Rated output	kW (hp) at 1/min
Rated torque	Nm at 1/min
Mixture formation	

Gear ratios	1st/2nd/3rd/4th/5th/6th/7th/R 5-speed manual	i =
	6-speed manual	i =
	5-speed automatic	i =
	7-speed automatic	i =
Final drive	5/6-speed manual /5/7-speed automatic	i =

Front axle

Rear axle

Braking system

Discs (diameter x thickness)	mm
Steering	
Wheels	
Tyres	
Wheelbase	mm
Track front/rear	mm
Length/width/height	mm
Turning circle	m
Kerb weight ¹ /payload/perm. gross vehicle weight (acc. to EC)	kg
Roof load	kg
Towing capacity braked/unbraked	kg
Drawbar load	kg
Boot capacity (acc. to VDA measuring method)	l
Tank capacity/reserve	l
NEDC fuel consumption ²	
urban with manual/automatic transmission	l/100 km
extra-urban with manual/automatic transmission	l/100 km
combined with manual/automatic transmission	l/100 km
CO ₂ -emission with manual/automatic transmission	g/km
Fuel type	
Emission standard	
Acceleration 0-100 km/h (manual/automatic transmission) ²	s
Maximum speed (manual/automatic transmission) ²	km/h
Insurance group	third-party liability/full cover/part cover

SUV

ML 320 CDI 4MATIC

6/V, 4 valves per cylinder
2987(83.0 x 92.0)
17.7
165(224)/3800
510/1600-2800

High-pressure injection, common-rail technology, turbocharger, EDC

-
-
-
4.38/2.86/1.92/1.37/1.00/0.82/0.73/3.42
-/-/-/3.45, 4ETS, ESP

Double-wishbone suspension, anti-dive control, coil springs, gas-pressure shock absorbers, torsion-bar stabiliser

Four-link suspension, anti-squat and anti-lift control, coil springs, gas-pressure shock absorbers, torsion-bar stabiliser

Hydraulic dual-circuit braking system with vacuum booster and Brake Assist, stepped master brake cylinder, internally ventilated front discs, solid rear discs, foot-operated parking brake, ABS

Front: 330 x 32/Rear: 330 x 14
Rack-and-pinion speed-sensitive power steering
7.5 J x 17
235/65 R 17
2915
1627/1629
4780/1911/1815
11.6
2185/645/2830
100
750/3500
140
551-2050
95/13
-/12.7-12.8
-/7.5-7.8
-/9.4-9.6
-/249-254
Diesel
EU4
-/8.6
-/215
23/27/25

Correct as of March 2008. Errors and omissions excepted.
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¹ Definition of kerb weight acc. to 1992/21/EC:
The kerb weight relates to a standard-specification vehicle with a 68-kg driver, 7 kg of luggage and the fuel tank 90% full.

² The figures indicated vary according to the tyre dimensions.

Vehicle Type

Model

No. of cylinders/arrangement	
Displacement (bore x stroke)	cc (mm)
Compression ratio	:1
Rated output	kW (hp) at 1/min
Rated torque	Nm at 1/min
Mixture formation	

Gear ratios	1st/2nd/3rd/4th/5th/6th/7th/R 5-speed manual	i =
	6-speed manual	i =
	5-speed automatic	i =
	7-speed automatic	i =
Final drive	5/6-speed manual /5/7-speed automatic	i =

Front axle

Rear axle

Braking system

Discs (diameter x thickness)	mm
Steering	
Wheels	
Tyres	
Wheelbase	mm
Track front/rear	mm
Length/width/height	mm
Turning circle	m
Kerb weight ¹ /payload/perm. gross vehicle weight (acc. to EC)	kg
Roof load	kg
Towing capacity braked/unbraked	kg
Drawbar load	kg
Boot capacity (acc. to VDA measuring method)	l
Tank capacity/reserve	l
NEDC fuel consumption ²	
urban with manual/automatic transmission	l/100 km
extra-urban with manual/automatic transmission	l/100 km
combined with manual/automatic transmission	l/100 km
CO ₂ -emission with manual/automatic transmission	g/km
Fuel type	
Emission standard	
Acceleration 0-100 km/h (manual/automatic transmission) ²	s
Maximum speed (manual/automatic transmission) ²	km/h
Insurance group	third-party liability/full cover/part cover

SUV

ML 420 CDI 4MATIC

8/V, 4 valves per cylinder
3996(86.0 x 86.0)
17.0
225(306)/3600
700/2000-2600
High-pressure injection, common-rail technology, 2 turbocharger, EDC
-
-
-
4.38/2.86/1.92/1.37/1.00/0.82/0.73/3.42
-/-/-/3.09, 4ETS, ESP
Double-wishbone suspension, anti-dive control, AIRMATIC fully supporting air suspension with level control, adaptive damping system (ADS), torsion-bar stabiliser
Four-link suspension, anti-squat and anti-lift control, AIRMATIC fully supporting air suspension with level control, adaptive damping system (ADS), torsion-bar stabiliser
Hydraulic dual-circuit braking system with vacuum booster and Brake Assist, stepped master brake cylinder, internally ventilated front discs, internally ventilated rear discs, foot-operated parking brake, ABS
Front: 350 x 32/Rear: 330 x 22
Rack-and-pinion speed-sensitive power steering
8 J x 19
255/50 R 19
2915
1619/1621
4780/1911/1815
11.6
2315/635/2950
100
750/3500
140
551-2050
95/13
-/14.4-15.0
-/9.1
-/11.1-11.3
-/294-299
Diesel
EU4
-/6.5
-/235
23/27/28

Correct as of: March 2008. Errors and omissions excepted.
The manufacturer reserves the right to make changes without notice.

¹ Definition of kerb weight acc. to 1992/21/EC:
The kerb weight relates to a standard-specification vehicle with
a 68-kg driver, 7 kg of luggage and the fuel tank 90% full.

² The figures indicated vary according to the tyre dimensions.

Vehicle Type

Model

No. of cylinders/arrangement	
Displacement (bore x stroke)	cc (mm)
Compression ratio	:1
Rated output	kW (hp) at 1/min
Rated torque	Nm at 1/min
Mixture formation	

Gear ratios	1st/2nd/3rd/4th/5th/6th/7th/R	5-speed manual	i =
	6-speed manual		i =
	5-speed automatic		i =
	7-speed automatic		i =
Final drive	5/6-speed manual /5/7-speed automatic		i =

Front axle

Rear axle

Braking system

Discs (diameter x thickness)	mm
Steering	
Wheels	
Tyres	
Wheelbase	mm
Track front/rear	mm
Length/width/height	mm
Turning circle	m
Kerb weight ¹ /payload/perm. gross vehicle weight (acc. to EC)	kg
Roof load	kg
Towing capacity braked/unbraked	kg
Drawbar load	kg
Boot capacity (acc. to VDA measuring method)	l
Tank capacity/reserve	l
NEDC fuel consumption ²	
urban with manual/automatic transmission	l/100 km
extra-urban with manual/automatic transmission	l/100 km
combined with manual/automatic transmission	l/100 km
CO ₂ -emission with manual/automatic transmission	g/km
Fuel type	
Emission standard	
Acceleration 0-100 km/h (manual/automatic transmission) ²	s
Maximum speed (manual/automatic transmission) ²	km/h
Insurance group	third-party liability/full cover/part cover

SUV

ML 350 4MATIC

6/V, 4 valves per cylinder
3498(92.9 x 86.0)
10.7
200(272)/6000
350/2400-5000

Microprocessor-controlled injection system,
hot-film air-flow sensor

-
-
-
4.38/2.86/1.92/1.37/1.00/0.82/0.73/3.42

-/-/-/3.90, 4ETS, ESP

Double-wishbone suspension, anti-dive control, coil springs, gas-pressure shock absorbers, torsion-bar stabiliser

Four-link suspension, anti-squat and anti-lift control, coil springs, gas-pressure shock absorbers, torsion-bar stabiliser

Hydraulic dual-circuit braking system with vacuum booster and Brake Assist, stepped master brake cylinder, internally ventilated front discs, solid rear discs, foot-operated parking brake, ABS

Front: 330 x 32/Rear: 330 x 14

Rack-and-pinion speed-sensitive power steering

7.5 J x 17

235/65 R 17

2915

1627/1629

4780/1911/1815

11.6

2135/695/2830

100

750/3500

140

551-2050

95/13

-/15.2-15.4

-/9.4-9.6

-/11.5-11.7

-/275-279

Unleaded

EU4

-/8.4

-/225

23/27/24

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² The figures indicated vary according to the tyre dimensions.

Vehicle Type		
Model		
No. of cylinders/arrangement		
Displacement (bore x stroke)		cc (mm)
Compression ratio		:1
Rated output		kW (hp) at 1/min
Rated torque		Nm at 1/min
Mixture formation		
Gear ratios	1st/2nd/3rd/4th/5th/6th/7th/R 5-speed manual	i =
	6-speed manual	i =
	5-speed automatic	i =
	7-speed automatic	i =
Final drive	5/6-speed manual /5/7-speed automatic	i =
Front axle		
Rear axle		
Braking system		
Discs (diameter x thickness)		mm
Steering		
Wheels		
Tyres		
Wheelbase		mm
Track front/rear		mm
Length/width/height		mm
Turning circle		m
Kerb weight ¹ /payload/perm. gross vehicle weight (acc. to EC)		kg
Roof load		kg
Towing capacity braked/unbraked		kg
Drawbar load		kg
Boot capacity (acc. to VDA measuring method)		l
Tank capacity/reserve		l
NEDC fuel consumption ²		
	urban with manual/automatic transmission	l/100 km
	extra-urban with manual/automatic transmission	l/100 km
	combined with manual/automatic transmission	l/100 km
	CO ₂ -emission with manual/automatic transmission	g/km
Fuel type		
Emission standard		
Acceleration 0-100 km/h (manual/automatic transmission) ²		s
Maximum speed (manual/automatic transmission) ²		km/h
Insurance group		third-party liability/full cover/part cover

SUV

ML 500 4MATIC

8/V, 4 valves per cylinder
5461(98.0 x 90.5)
10.7
285(388)/6000
530/2800-4800
Microprocessor-controlled injection system, hot-film air-flow sensor
-
-
4.38/2.86/1.92/1.37/1.00/0.82/0.73/3.42
-/-/-/3.70, 4ETS, ESP
Double-wishbone suspension, anti-dive control, AIRMATIC fully supporting air suspension with level control, adaptive damping system (ADS), torsion-bar stabiliser
Four-link suspension, anti-squat and anti-lift control, AIRMATIC fully supporting air suspension with level control, adaptive damping system (ADS), torsion-bar stabiliser
Hydraulic dual-circuit braking system with vacuum booster and Brake Assist, stepped master brake cylinder, internally ventilated front discs, internally ventilated rear discs, foot-operated parking brake, ABS
Front: 375 x 32/Rear: 330 x 22
Rack-and-pinion speed-sensitive power steering
8 J x 19
255/50 R 19
2915
1619/1621
4780/1911/1840
11.6
2445/705/3150
100
750/3500
140
551-2050
95/13
-/17.6-17.9
-/10.0-10.3
-/12.8-13.1
-/304-311
Unleaded
EU4
-/5.8
-/240
22/27/28

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The kerb weight relates to a standard-specification vehicle with
a 68-kg driver, 7 kg of luggage and the fuel tank 90% full.

² The figures indicated vary according to the tyre dimensions.

Vehicle Type

Model

No. of cylinders/arrangement	
Displacement (bore x stroke)	cc (mm)
Compression ratio	:1
Rated output	kW (hp) at 1/min
Rated torque	Nm at 1/min
Mixture formation	

Gear ratios	1st/2nd/3rd/4th/5th/6th/7th/R 5-speed manual	i =
	6-speed manual	i =
	5-speed automatic	i =
	7-speed automatic	i =
Final drive	5/6-speed manual /5/7-speed automatic	i =

Front axle

Rear axle

Braking system

Discs (diameter x thickness)	mm
Steering	
Wheels	
Tyres	
Wheelbase	mm
Track front/rear	mm
Length/width/height	mm
Turning circle	m
Kerb weight ¹ /payload/perm. gross vehicle weight (acc. to EC)	kg
Roof load	kg
Towing capacity braked/unbraked	kg
Drawbar load	kg
Boot capacity (acc. to VDA measuring method)	l
Tank capacity/reserve	l
NEDC fuel consumption ²	
urban with manual/automatic transmission	l/100 km
extra-urban with manual/automatic transmission	l/100 km
combined with manual/automatic transmission	l/100 km
CO ₂ -emission with manual/automatic transmission	g/km
Fuel type	
Emission standard	
Acceleration 0-100 km/h (manual/automatic transmission) ²	s
Maximum speed (manual/automatic transmission) ²	km/h
Insurance group	third-party liability/full cover/part cover

SUV

ML 63 AMG 4MATIC

8/V, 4 valves per cylinder
6208(102.2 x 94.6)
11.3
375(510)/6800
630/5200
Microprocessor-controlled injection system, hot-film air-flow sensor
-
-
4.38/2.86/1.92/1.37/1.00/0.82/0.73/3.42
-/-/-/3.45, 4ETS, ESP
Double-wishbone suspension, anti-dive control, AIRMATIC fully supporting air suspension with level control, adaptive damping system (ADS), torsion-bar stabiliser
Four-link suspension, anti-squat and anti-lift control, AIRMATIC fully supporting air suspension with level control, adaptive damping system (ADS), torsion-bar stabiliser
Hydraulic dual-circuit braking system with vacuum booster and Brake Assist, internally ventilated and indented front discs, internally ventilated and inden- ted rear discs, foot-operated parking brake, ABS
Front: 390 x 36/Rear: 365 x 26
Rack-and-pinion speed-sensitive power steering
9.5 J x 19
295/45 R 19
2915
1635/1639
4820/1951/1863
11.6
2310/570/2880
100
750/3500
140
551-2050
95/13
Premium unleaded
EU4
-/5.0
-/250
23/31/32

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a 68-kg driver, 7 kg of luggage and the fuel tank 90% full.

² The figures indicated vary according to the tyre dimensions.