

Classic, Elegance and Avantgarde Compared - In brief

The three design / equipment lines of the new A-Class: CLASSIC, ELEGANCE and AVANTGARDE

New Elegance Exterior

Inside

New Avantgarde

New Classic

At a glance: The new A-Class model lines and their specification

CLASSIC

Exterior

Headlamps
H7

Front fog lamps
--

Radiator grille
matt black

Windscreen
--

Bumpers
body-coloured

Rub strips
--

Mirror housing
matt black

Side skirts
black

Door handles
black

Tailgate grab handle
black

Tailpipe
circular

Wheels/tyres
185/65 R 15 with wheel trim

Interior

Steering wheel
plastic

Dashboard, lower section
black or orient beige

Centre console
plastic trim strips

Gearshift lever
plastic

Handbrake lever
plastic

Transmission tunnel trim
low version

Door trim panels
black or orient beige

Window controls
power windows in front with one-touch opening

Courtesy lamps
--

Ambient/marker lamps
--

Seat upholstery - fabrics
black, orient beige black multicolour

- leather (optional)
--

ELEGANCE

Exterior

Headlamps
H7

Front fog lamps
with chrome surround

Radiator grille
silver with chrome strips

Windscreen
with blue band filter

Bumpers
body-coloured with chrome

Rub strips
body-coloured with chrome

Mirror housing
body-coloured

Side skirts
body-coloured

Door handles
body-coloured with chrome

Tailgate grab handle
chrome edging

Tailpipe
oval

Wheels/tyres
185/65 R 15 light-alloy wheels

Interior

Steering wheel
leather

Dashboard, lower section
black, alpaca grey or orient beige

Centre console
wooden trim strips

Gearshift lever
leather with chrome insert

Handbrake lever
leather

Transmission tunnel trim
raised version with armrest and wooden trim strip

Door trim panels
black, alpaca grey or orient beige with wooden trim strip; speakers with chrome surround

Window controls
power windows front and rear with one-touch control

Courtesy lamps
in the front doors

Ambient/marker lamps
in the tailgate

Seat upholstery - fabrics
black, orient beige alpaca grey

- leather (optional)
black, orient beige alpaca grey

AVANTGARDE

Exterior

Headlamps
H7 projector-beam

Front fog lamps
with chrome surround

Radiator grille
gleaming black with chrome strips

Windscreen
with blue band filter

Bumpers
body-coloured with chrome

Rub strips
body-coloured with chrome

Mirror housing
body-coloured

Side skirts
body-coloured

Door handles
body-coloured

Tailgate grab handle
chrome edging

Tailpipe
oval in stainless-steel finish

Wheels/tyres

195/55 R 16 light-alloy wheels

Interior

Steering wheel
leather

Dashboard, lower section
black

Centre console
aluminium trim strips

Gearshift lever
leather with chrome insert

Handbrake lever
leather

Transmission tunnel trim
low version

Door trim panels
black with aluminium trim strip; speakers with chrome surround

Window controls
power windows in front with one-touch opening

Courtesy lamps
in the front doors

Ambient/marker lamps
in the tailgate

Seat upholstery - fabrics
black (fabric combined with ARTICO)

- leather (optional)

black

Engine

No. of cylinders/ arrangement

4/in-line, 4 valves per cylinder

Displacement

cc
1991

Bore x stroke

mm
83.0 x 92.0

Rated output

kW/hp
60/82 at 4200 rpm

Rated torque

Nm
180 at 1400-2600 rpm

Maximum engine speed

1/ min

4800

Compression ratio

18.0 : 1

Mixture formation

Common-rail direct injection, turbocharger, EDC

Power transfer

Transmission

Five-speed manual transmission

Clutch

Single-plate dry clutch

Ratios

Final drive

1st gear

2nd gear

3rd gear

4th gear

5th gear

Reverse

3.31

3.64

2.04

1.26

0.88

0.70

3.29

Chassis

Front axle

McPherson struts, three-link suspension, two-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Rear axle

Parabolic rear axle, coil springs, one-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Braking system

Hydraulic dual-circuit braking system with vacuum servo, ABS anti-lock braking system and brake assistant, disc brakes front and rear, hand brake, ESP® (Electronic Stability Program)

Steering

Electromechanical parameter steering

Wheels

6 J x 15

Tyres

185/65 R 15

Dimensions and weights

Wheelbase

mm
2568

Track front/rear

mm
1556/1551

Overall – length

mm
3838

Overall – width

mm
1764

Overall – height

mm
1593

Turning circle

m
10.95

Luggage capacity**

l
435-1995 (three-door: 435-1485)

Kerb weight acc. to EC

kg
1325 (three-door: 1300)

Payload

kg

435

Gross vehicle weight

kg

1760 (three-door: 1735)

Tank capacity/reserve

l

54/6

Performance and fuel consumption***

Acceleration 0-100 km/h

s

15.0

Maximum speed

km/h

170

Fuel cons. NEDC combined

l/100 km

4.9

*available from end of 2004; **acc. to VDA measuring method; ***provisional figures

Mercedes-Benz A180 CDI

Engine

No. of cylinders/ arrangement

4/in-line, 4 valves per cylinder

Displacement

cc

1991

Bore x stroke

mm

83.0 x 92.0

Rated output

kW/hp

80/109 at 4200 rpm

Rated torque

Nm

250 at 1600-2600 rpm

Maximum engine speed

1/ min

4800

Compression ratio

18.0 : 1

Mixture formation

Common-rail direct injection, turbocharger, EDC

Power transfer

Transmission

Six-speed manual transmission

Clutch

Single-plate dry clutch

Ratios

Final drive

1st gear

2nd gear

3rd gear

4th gear

5th gear

6th gear

Reverse

3.240 (gears 1-4) / 2.700 (gears 5,6,R)

3.933

2.222

1.389

0.975

0.925

0.814

4.681

Chassis

Front axle

McPherson struts, three-link suspension, two-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Rear axle

Parabolic rear axle, coil springs, one-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Braking system

Hydraulic dual-circuit braking system with vacuum servo, ABS anti-lock braking system and brake assistant, disc brakes front and rear, hand brake, ESP® (Electronic Stability Program)

Steering

Electromechanical parameter steering

Wheels

6 J x 15

Tyres

185/65 R 15

Dimensions and weights

Wheelbase

mm
2568

Track front/rear

mm
1556/1551

Overall – length

mm
3838

Overall – width

mm
1764

Overall – height

mm
1593

Turning circle

m
10.95

Luggage capacity*

l
435-1995 (three-door: 435-1485)

Kerb weight acc. to EC

kg

1345 (three-door: 1320)

Payload

kg
425

Gross vehicle weight

kg
1770 (three-door: 1745)

Tank capacity/reserve

l
54/6

Performance and fuel consumption**

Acceleration 0-100 km/h

s
10,8

Maximum speed

km/h
186

Fuel cons. NEDC combined

l/100 km
5.2

*acc. to VDA measuring method; **provisional figures

Mercedes-Benz A 200 CDI

Engine

No. of cylinders/ arrangement

4/in-line, 4 valves per cylinder

Displacement

cc
1991

Bore x stroke

mm
83.0 x 92.0

Rated output

kW/hp

103/140 at 4200 rpm

Rated torque

Nm

300 at 1600-2600 rpm

Maximum engine speed

1/ min

4800

Compression ratio

18.0 : 1

Mixture formation

Common-rail direct injection, turbocharger, EDC

Power transfer

Transmission

Six-speed manual transmission

Clutch

Single-plate dry clutch

Ratios

Final drive

1st gear

2nd gear

3rd gear

4th gear

5th gear

6th gear

Reverse

3.240 (gears 1-4) / 2.700 (gears 5,6,R)

3.933

2.222

1.389

0.975

0.925

0.814

4.681

Chassis

Front axle

McPherson struts, three-link suspension, two-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Rear axle

Parabolic rear axle, coil springs, one-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Braking system

Hydraulic dual-circuit braking system with vacuum servo, ABS anti-lock braking system and brake assistant, disc brakes front and rear, hand brake, ESP® (Electronic Stability Program)

Steering

Electromechanical parameter steering

Wheels

6 J x 16

Tyres

195/55 R 16

Dimensions and weights

Wheelbase

mm
2568

Track front/rear

mm
1552/1547

Overall – length

mm
3838

Overall – width

mm
1764

Overall – height

mm
1595

Turning circle

m
10.95

Luggage capacity*

l
435-1995 (three-door: 435-1485)

Kerb weight acc. to EC

kg
1365 (three-door: 1340)

Payload

kg
415

Gross vehicle weight

kg
1780 (three-door: 1755)

Tank capacity/reserve

l
54/6

Performance and fuel consumption**

Acceleration 0-100 km/h

s
9.5

Maximum speed

km/h
201

Fuel cons. NEDC combined

l/100 km
5.4

*acc. to VDA measuring method; **provisional figures

Mercedes-Benz A150

Engine

No. of cylinders/ arrangement

4/in-line, 2 valves per cylinder

Displacement

cc
1498

Bore x stroke

mm
83.0 x 69.2

Rated output

kW/hp
70/95 at 5200 rpm

Rated torque

Nm
140 at 3500-4000 rpm

Maximum engine speed

1/ min
6300

Compression ratio

11.0 : 1

Mixture formation

Microprocessor-controlled petrol injection with hot film air mass measurement (HFM)

Power transfer

Transmission

Five-speed manual transmission

Clutch

Single-plate dry clutch

Ratios

Final drive

1st gear
2nd gear
3rd gear
4th gear
5th gear
Reverse

3.88
3.64
2.04
1.33
1.03
0.82
3.29

Chassis

Front axle

McPherson struts, three-link suspension, two-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Rear axle

Parabolic rear axle, coil springs, one-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Braking system

Hydraulic dual-circuit braking system with vacuum servo, ABS anti-lock braking system and brake assistant, disc brakes front and rear, hand brake, ESP® (Electronic Stability Program)

Steering

Electromechanical parameter steering

Wheels

6 J x 15

Tires

185/65 R 15

Dimensions and weights

Wheelbase

mm
2568

Track front/rear

mm
1556/1551

Overall – length

mm
3838

Overall – width

mm
1764

Overall – height

mm

1593

Turning circle
m

10.95

Luggage capacity*
l
435-1995 (three-door: 435-1485)

Kerb weight acc. to EC
kg
1225 (three-door: 1195)

Payload
kg
465

Gross vehicle weight
kg
1690 (three-door: 1660)

Tank capacity/reserve
l
54/6

Performance and fuel consumption**

Acceleration 0-100 km/h
s
12.6

Maximum speed
km/h
175

Fuel cons. NEDC combined
l/100 km
6.2

*acc. to VDA measuring method; **provisional figures

Mercedes-Benz A170

Engine

No. of cylinders/ arrangement

4/in-line, 2 valves per cylinder

Displacement

cc
1699

Bore x stroke

mm
83.0 x 78.5

Rated output

kW/hp
85/116 at 5500 rpm

Rated torque

Nm
155 at 3500-4000 rpm

Maximum engine speed

1/ min
6300

Compression ratio

11.0 : 1

Mixture formation

Microprocessor-controlled petrol injection with hot film air mass measurement (HFM)

Power transfer

Transmission

Five-speed manual transmission

Clutch

Single-plate dry clutch

Ratios

Final drive

1st gear

2nd gear

3rd gear

4th gear

5th gear

Reverse

3.88
3.64
2.04
1.33
1.03
0.82
3.29

Chassis

Front axle

McPherson struts, three-link suspension, two-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Rear axle

Parabolic rear axle, coil springs, one-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Braking system

Hydraulic dual-circuit braking system with vacuum servo, ABS anti-lock braking system and brake assistant, disc brakes front and rear, hand brake, ESP® (Electronic Stability Program)

Steering

Electromechanical parameter steering

Wheels

6 J x 15

Tyres

185/65 R 15

Dimensions and weights

Wheelbase

mm
2568

Track front/rear

mm
1556/1551

Overall – length

mm
3838

Overall – width

mm
1764

Overall – height
mm
1593

Turning circle
m
10.95

Luggage capacity*
l
435-1995 (three-door: 435-1485)

Kerb weight acc. to EC
kg
1240 (three-door: 1210)

Payload
kg
465

Gross vehicle weight
kg
1705 (three-door: 1675)

Tank capacity/reserve
l
54/6

Performance and fuel consumption**

Acceleration 0-100 km/h
s
10.9

Maximum speed
km/h
188

Fuel cons. NEDC combined

l/100 km
6.6

*acc. to VDA measuring method;**provisional figures

Mercedes-Benz A 200

Engine

No. of cylinders/ arrangement

4/in-line, 2 valves per cylinder

Displacement

cc

2034

Bore x stroke

mm

83.0 x 94.0

Rated output

kW/hp

100/136 at 5750 rpm

Rated torque

Nm

185 at 3500-4000 rpm

Maximum engine speed

1/ min

6300

Compression ratio

11.0 : 1

Mixture formation

Microprocessor-controlled petrol injection with hot film air mass measurement (HFM)

Power transfer

Transmission

Five-speed manual transmission

Clutch

Single-plate dry clutch

Ratios

Final drive

1st gear
2nd gear
3rd gear
4th. gear
5th gear
Reverse
3.72
3.64
2.04
1.33
1.03
0.82
3.29

Chassis

Front axle

McPherson struts, three-link suspension, two-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Rear axle

Parabolic rear axle, coil springs, one-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Braking system

Hydraulic dual-circuit braking system with vacuum servo, ABS anti-lock braking system and brake assistant, disc brakes internally ventilated at the front and solid at the rear, hand brake, ESP® (Electronic Stability Program)

Steering

Electromechanical parameter steering

Wheels

6 J x 16

Tyres

195/55 R 16

Dimensions and weights

Wheelbase

mm
2568

Track front/rear

mm
1552/1547

Overall – length
mm
3838

Overall – width
mm
1764

Overall – height
mm
1595

Turning circle
m
10.95

Luggage capacity*
l
435-1995 (three-door: 435-1485)

Kerb weight acc. to EC
kg
1270 (three-door: 1240)

Payload
kg
425

Gross vehicle weight
kg
1695 (three-door: 1665)

Tank capacity/reserve
l
54/6

Performance and fuel consumption**

Acceleration 0-100 km/h
s
9.8

Maximum speed
km/h
200

Fuel cons. NEDC combined
l/100 km
7.2

*acc. to VDA measuring method; **provisional figures

Mercedes-Benz A 200 TURBO*

Engine

No. of cylinders/ arrangement

4/in-line, 2 valves per cylinder

Displacement

cc
2034

Bore x stroke

mm
83.0 x 94.0

Rated output

kW/hp
142/193 at 5000 rpm

Rated torque

Nm
280 at 1800-4850 rpm

Maximum engine speed

1/ min
6000

Compression ratio

9.0 : 1

Mixture formation

Microprocessor-controlled petrol injection with hot film air mass measurement (HFM), turbocharger

Power transfer

Transmission

Six-speed manual transmission

Clutch

Single-plate dry clutch

Ratios

Final drive

1st gear

2nd gear

3rd gear

4th gear

5th gear

6th gear

Reverse

3.240 (gears 1-4) / 2.700 (gears 5,6,R)

4.214

2.542

1.710

1.263

1.184

0.953

5.015

Chassis

Front axle

McPherson struts, three-link suspension, two-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Rear axle

Parabolic rear axle, coil springs, one-cylinder gas-pressure shock absorbers with selective damping system and coil springs, torsion-bar stabiliser

Braking system

Hydraulic dual-circuit braking system with vacuum servo, ABS anti-lock braking system and brake assistant, disc brakes internally ventilated at the front and solid at the rear, hand brake, ESP® (Electronic Stability Program)

Steering

Electromechanical parameter steering

Wheels

6 J x 16

Tyres
195/55 R 16

Dimensions and weights

Wheelbase
mm
2568

Track front/rear
mm
1552/1547

Overall – length
mm
3838

Overall – width
mm
1764

Overall – height
mm
1595

Turning circle
m
10.95

Luggage capacity**
l
435-1995 (three-door: 435-1485)

Kerb weight acc. to EC
kg
1305 (three-door: 1275)

Payload
kg
425

Gross vehicle weight
kg
1730 (three-door: 1700)

Tank capacity/reserve
l
54/6

Performance and fuel consumption***

Acceleration 0-100 km/h

s
8.0

Maximum speed

km/h
227

Fuel cons. NEDC combined

l/100 km

7.9*available from mid-2005; **acc. to VDA measuring method; ***provisional figures