

All technical data A 200 d

Summary

Internal model series

W176

Model variant number

A 200 d 176008

Restriction code

0-058,0-808

No./arrangement of cylinders

L4

Transmission - gearshift type

automatic

Displacement

2.143 cc

Rated output¹

100 [136]/3.200-4.000 kW [hp] at rpm

Rated torque¹

300/1.400 - 3.000 Nm at rpm

Acceleration 0-100 km/h

8,8 s

Top speed

210 km/h

Front tyres/wheels

205/55 R 16 91 H

Rear tyres/wheels

205/55 R 16 91 H

Fuel

Diesel fuel

Efficiency class ECE production vehicle (only valid for Germany) ³

A+

Tank capacity/reserve

50/6,0 l

Kerb weight/payload⁴

1.485/525 kg

Gross vehicle weight

2.010 kg

perm. trailer load unbraked/braked [at 12%]/braked [at 8%]

740/1.500/1.500 kg

Vehicle identification - Descriptive data

Market launch

2017-12

Modification year and facelift

Modification year 2 (ÄJ17_2)

Supply market⁵

ECE

Vehicle identification - Insurance classification

Insurance category, fully comprehensive

23

Insurance category, third party, fire and theft

24

Insurance category, third party

18

Engine and performance - Engine

Engine series

OM651

Engine variant

D22 R

Combustion process

Diesel

No./arrangement of cylinders

L4

V angle

0,0 ° degrees

Displacement

2.143 cc

Bore

83,0 mm

Stroke

99,0 mm

Rated output¹

100 [136]/3.200-4.000 kW [hp] at rpm

Rated torque¹

300/1.400 - 3.000 Nm at rpm

Governed engine speed (maximum rpm)

4.900 rpm

Compression ratio

16,2 : 1

Engine - arrangement

front

Engine - direction of installation
transverse, over axle

Engine and performance - Engine - Mixture formation

Injection location
Cylinder direct

Injection pump type
Common rail

Engine and performance - Engine - Valve timing

Number of valves per cylinder
4

Engine and performance - Engine - Ignition

Ignition system
Compression ignition

Engine and performance - Engine - Exhaust gas

Emission class

Euro 6

Exhaust gas aftertreatment

Catalytic converter + particulate filter (standard)

Number of catalytic converters

1

Low-emission combustion measures

Exhaust gas recirculation, inlet port shut-off, intake air throttle

Engine and performance - Engine - Electric motor (hybrid)

Rated output (electric) (DIN,ECE,SAE)

Engine speed at rated output (electric)

Max. torque (electric) (DIN,ECE,SAE)

Electr. energy consumption NEDC with wall box

Electr. energy consumption NEDC (Hybrid/BEV) acc. to ECE-R101

Charging time (with 220-240V charging voltage) for 100 km (NEDC) range

Top speed in electric mode

Power consumption, weighted

Electric range⁶

Engine and performance - Performance - Acceleration

Acceleration 0-100 km/h

8,8 s

Engine and performance - Performance - Speeds

Top speed

210 km/h

Engine and performance - Performance - Noise

Exterior noise at standstill

73 dB-A

Exterior noise when driving

73 dB-A

Engine and performance - Performance - Off-road characteristics

Max. Fording depth

k. A. mm

Max. angle of approach/departure

k. A./k. A. ° degrees

Maximum tilt angle

k. A. ° degrees

Breakover angle at maximum load

9,3 ° degrees

Breakover angle at maximum load (sports suspension)

8,8 ° degrees

Gradient climbing capability

Engine and performance - System performance

Max. rated power system output

Max. rated power system output

RPM at rated power system output

Max. torque at rated power system output

RPM at torque system output

Fuel and emissions - Emission levels

Combined CO2 emissions²

108-99 g/km

Carbon monoxide (CO) emissions, combined

157,7 mg/km

Hydrocarbon (HC) emissions, combined

- mg/km

HC+NOx emissions, combined

85,5 mg/km

Nitrogen oxide (NOx) emissions, combined

65 mg/km

Particulate emissions

1,16 mg/km

Fuel and emissions - Emission levels (secondary drive)

Combined CO2 emissions²

Carbon monoxide (CO) emissions, combined

Hydrocarbon (HC) emissions, combined

HC+NOx emissions, combined

Nitrogen oxide (NOx) emissions, combined

Particulate emissions

Fuel and emissions - Fuel consumption

Fuel

Diesel fuel

Fuel consumption, urban²

4,9-4,6 l/100 km

Fuel consumption, extra-urban²

3,7-3,4 l/100 km

Fuel consumption, combined²

4,1-3,8 l/100 km

Tank capacity/reserve

50/6,0 l

Efficiency class ECE production vehicle (only valid for Germany) ³

A+

Fuel and emissions - Fuel consumption (secondary drive)

Fuel

Fuel consumption, urban²

Fuel consumption, extra-urban²

Fuel consumption, combined²

Fuel and emissions - dependent on equipment code

CO₂ emissions, condition A⁷

CO₂ emissions, condition B⁸

Fuel consumption, condition A⁷

Fuel consumption, condition B⁸

Power consumption, condition A⁷

Power consumption, condition B⁸

Power consumption, weighted

Power transmission - Drive

Drive

Front-wheel drive

All-wheel-drive torque distribution, front/rear

- %/%

Power transmission - Transmission

Transmission - gearshift type
automatic

Forward gears (total number)
7

Transmission type designation
F-DCT 350 (7G-DCT automatic transmission)

Transmission type
3-shaft transmission

Transmission control
electrohydraulic

Power transmission - Ratio

Ratios (1/2/3/4/5/6/7/8/9/R1/R2)
15,95/10,04/6,36/4,34/3,21/2,51/2,00/-/-/R1 13,95/R2 -

Final-drive ratio
k. A.

Axle drive ratio of 2nd shaft
k. A.

Gears on the 2nd shaft
k. A.

Gears on the 3rd shaft
k. A.

Gear ratio spread
8,00

Chassis and steering - Steering

Steering gear - type

Rack-and-pinion

Power steering

Speed-dependent, Electrical power assisted

Steering ratio (centred)

14,37

Steering wheel rim diameter

375 mm

Chassis and steering - Chassis - Front axle

Wheel location, front - type

Independent suspension

Front axle

McPherson

Chassis and steering - Chassis - Rear axle

Rear wheel suspension - type

Independent suspension

Rear axle

Multi-link

Chassis and steering - Chassis - Springing

Springs, front/rear

Coil spring, Double-tube gas-pressure/Coil spring, Single tube gas-pressure

Stabiliser type, front

Tubular torsion bar

Stabiliser type, rear

Torsion bar

Chassis and steering - Chassis - Differential

Differential, front

Bevel gear

Differential, centre

no details

Differential, rear

no details

Inter-wheel differential lock, front

no details

Rear inter-wheel differential lock

no details

Inter-axle differential lock

no details

Chassis and steering - Brakes

Front brakes

Discs, internally ventilated

Rear brakes

Discs, solid

Brake callipers/brake shoes, front

Sliding calliper

Brake callipers/brake shoes, rear

Sliding calliper

Disc or drum diameter, front

295 mm

Disc or drum diameter, rear

276 mm

Brake disc ventilation

Front axle

Parking brake - operation

Electric parking brake, automatic and manual

Parking brake - effect

On rear wheels

Chassis and steering - Wheels and tyres

Wheel designation, front

6,5 J X 16

Rear wheel rim designation

6,5 J X 16

Front wheel offset

49 mm

Rear wheel offset

49

Tyre speed rating

H (up to 210 km/h)

Front tyres/wheels

205/55 R 16 91 H

Rear tyres/wheels

205/55 R 16 91 H

Body

Design

Saloon

Frontal area

2,21 m²

Drag area

0,64 m²

Cd value

0,29

Number of doors (incl. tailgate)

5

Seats (permitted number of)

5

Roof opening time (Cabriolet)

- s

Electrical systems

Charging time 20%-100% SOC (usable capacity) 3-phase (400 V / 16 A)

Charging time 20%-100% SOC (usable capacity) 3-phase (400 V / 32A)

Charging time 20%-100% SOC (usable capacity) 1-phase (230 V / 8 A)

Charging time 20%-100% SOC (usable capacity) 1-phase (230 V / 12A)

Charging time 20%-100% SOC (usable capacity) 1-phase (230 V / 20A)

On-board electrical system voltage

14 V

Generator/alternator - output

2.450 W

Battery capacity (on-board electrical system)

80 Ah

Quantities, dimensions and weights - Dimensions - outside

Vehicle length

4.299 mm

Vehicle height, tailgate open

1.976 mm

Vehicle height at kerb weight

1.434 mm

Vehicle width

1.780 mm

Vehicle width - front door open

2.851 mm

Total width (including both exterior mirrors)

2.022 mm

Overall width (exterior mirrors folded in)

1.848 mm

Wheelbase

2.699 mm

Turning circle - curb to curb

Track width, front

1.549 mm

Track width, rear

1.548 mm

Ground clearance at perm. GVW (absolute minimum)

94 mm

Minimum width between the rear wheel arches

1.050 mm

Quantities, dimensions and weights - Dimensions - inside

Boot capacity

341 l

Open luggage compartment capacity behind driver's seat

785 l

Open luggage compartment capacity

Open luggage compartment capacity behind 3rd row seat row

Min. Open luggage compartment capacity behind rear seat

Max. luggage capacity - behind driver's seat

1.157 l

Max. Open luggage compartment capacity behind rear seat

Boot capacity (VDA)⁹

341 l

Boot capacity with roof folded down (Cabriolet)

Closed luggage compartment capacity behind 3rd seat row

maximum effective headroom for driver's seat

1.017 mm

Quantities, dimensions and weights - Filling capacities

Fuel tank location
in front of rear axle

Oil change quantity (with filter)
6,50 l

Coolant capacity with heating
9,6 l

Quantities, dimensions and weights - Weights

Gross vehicle weight
2.010 kg

Kerb weight/payload⁴
1.485/525 kg

Quantities, dimensions and weights - Loads

Front axle load (kerb weight [EC])

945 kg

Permissible front axle load

1.090 kg

Rear axle load (kerb weight [EC])

540 kg

Permissible rear axle load

920 kg

Permissible rear axle load (when towing a trailer)

960 kg

Max. roof load

100 kg

Permissible drawbar load

75 kg

perm. trailer load unbraked/braked [at 12%]/braked [at 8%]

740/1.500/1.500 kg

Fuel and emissions - WLTP NedcEec

Electrical consumption (PER) (WLTP)

Electrical consumption, weighted (OVC-HEV) (WLTP)

Electr. Range (WLTP)

Consumption, urban (WLTP)

Consumption, extra-urban (WLTP)

Consumption, combined (WLTP)

Consumption, weighted (OVC-HEV) (WLTP)

Consumption (gas) urban (WLTP)

Consumption (gas) extra-urban (WLTP)

Consumption (gas) combined (WLTP)

Fuel and emissions - WLTP Combustion and BiCombustion (Part1) NEDC

[WLTP] CO₂ urban (NEDC)

[WLTP] CO₂ extra-urban (NEDC)

[WLTP] CO₂ combined (NEDC)

[WLTP] CO (NEDC)

[WLTP] Non-methane hydrocarbons (NEDC)

[WLTP] Nitrogen oxides (NEDC)

[WLTP] Particulate mass (NEDC)

[WLTP] Particle quantity (NEDC)

[WLTP] Total hydrocarbons (NEDC)

[WLTP] THC+NO_x (NEDC)

Fuel and emissions - WLTP GasCombustion and BiCombustion (Part2) NEDC

[WLTP] CO₂ urban (NEDC)

[WLTP] CO₂ extra-urban (NEDC)

[WLTP] CO₂ combined (NEDC)

[WLTP] CO (NEDC)

[WLTP] Non-methane hydrocarbons (NEDC)

[WLTP] Nitrogen oxides (NEDC)

[WLTP] Particulate mass (NEDC)

[WLTP] Particle quantity (NEDC)

[WLTP] Total hydrocarbons (NEDC)

[WLTP] THC+NO_x (NEDC)

Fuel and emissions - WLTP OvcHev and Fchv NEDC

[WLTP] CO₂ weighted (NEDC)

[WLTP] CO (NEDC)

[WLTP] Non-methane hydrocarbons (NEDC)

[WLTP] Nitrogen oxides (NEDC)

[WLTP] Particulate mass (NEDC)

[WLTP] Particle quantity (NEDC)

[WLTP] Total hydrocarbons (NEDC)

[WLTP] THC+NO_x (NEDC)

Fuel and emissions - WLTP Parameter NEDC

Frontal area¹⁰

Cd value¹⁰

¹ Rated output and torque figures in accordance with Directive 80/1269/EEC in the currently applicable version.

² The figures shown for fuel consumption and CO₂ emissions were obtained in accordance with the prescribed measuring method (section 2 nos. 5, 6, 6a Pkw-EnVKV as amended). 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.

³ Established on the basis of measured CO₂ emissions, and taking the vehicle mass into account.

⁴ Mass of the vehicle in running order with at least 90% full fuel tank, plus the mass of the driver (estimated by law at 75 kg), fuel and fluids, equipped with

the standard equipment as specified by the manufacturer as well as, where applicable, the mass of the body, cab, trailer coupling and spare wheel(s) as well as tools. Optional extras, additional equipment and accessories can influence the weight, residual payload, rolling resistance, aerodynamics, etc. and therefore also affect the consumption/CO₂ values.

⁵ In this case ECE refers to WEU. The data apply for the following countries: Belgium, Bulgaria, Denmark, Germany, Estonia, Finland, France, Greece, Great Britain, Ireland, Iceland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Austria, Poland, Portugal, Romania, Sweden, Switzerland, Slovak Republic, Slovenia, Spain, Czech Republik, Hungary, Cyprus (EU region)

⁶ Under real-life driving conditions deviations may occur in comparison to the certified standard values. The actual values are influenced by a number of individual factors, such as personal driving style, environmental and route conditions.

⁷ Condition A refers to: full NEFZ (city + highway) with fully charged batterie.

⁸ Condition B refers to: full NEFZ (city + highway) with minimal charged batterie.

⁹ Figures according to Directive 70/156/EEC, in the currently applicable version.

¹⁰ The figures shown were obtained in accordance with the prescribed measuring process. They are "NEDC CO₂ values" pursuant to Art. 2 No. 1 of the Implementing Regulation (EU) 2017/1153. The fuel consumption figures have been calculated on the basis of these values.