



Mercedes-Benz

B-Class Sports Tourer B 200 Natural Gas Drive.

Summary (6-speed (manual))	
Internal model series	W242
Model variant number	242848
Restriction code	0-803 Model year 2013
Arrangement/no. of cylinders	L4
Transmission - gearshift type	Manual
Total displacement (cc)	1.991
Rated output (kW [hp] at rpm) 1)	115 [156]/5.000
Rated torque (Nm at rpm) 1)	270/1.250 - 4.000
Acceleration 0-100 km/h (s)	9,2
Top speed (km/h)	200
Tyres/wheels, front	205/55 R 16 91 H
Tyres/wheels, rear	205/55 R 16 91 H
Fuel	Natural gas
Fuel consumption, urban 2)	6,0-6,0 kg/100km
Fuel consumption, extra-urban 2)	3,4-3,3 kg/100km
Fuel consumption, combined 2)	4,4-4,3 kg/100km
CO2 emissions combined (g/km) 2)	119-117
Efficiency class ECE production vehicle (only valid for Germany) 3)	> A
Tank capacity/reserve (l)	12/6,0
Kerb weight/payload (kg) 4)	1.505/515
Perm. gross vehicle weight (kg)	2.020
perm. trailer load unbraked/braked [at 12%]/braked [at 8%] (kg)	750/1.500/k. A.

Summary (7G-DCT automated manual transmission)	
Internal model series	W242
Model variant number	242848
Restriction code	0-803 Model year 2013
Arrangement/no. of cylinders	L4
Transmission - gearshift type	Automatic
Total displacement (cc)	1.991
Rated output (kW [hp] at rpm) 1)	115 [156]/5.000
Rated torque (Nm at rpm) 1)	270/1.250 - 4.000
Acceleration 0-100 km/h (s)	9,1
Top speed (km/h)	200
Tyres/wheels, front	205/55 R 16 91 H
Tyres/wheels, rear	205/55 R 16 91 H
Fuel	Natural gas
Fuel consumption, urban 2)	5,6-5,6 kg/100km
Fuel consumption, extra-urban 2)	3,4-3,4 kg/100km
Fuel consumption, combined 2)	4,3-4,2 kg/100km
CO2 emissions combined (g/km) 2)	117-115
Efficiency class ECE production vehicle (only valid for Germany) 3)	> A
Tank capacity/reserve (l)	12/6,0
Kerb weight/payload (kg) 4)	1.535/515
Perm. gross vehicle weight (kg)	2.050
perm. trailer load unbraked/braked [at 12%]/braked [at 8%] (kg)	750/1.500/k. A.



B-Class Sports Tourer B 200 Natural Gas Drive.

Vehicle identification (6-speed (manual))	
Descriptive data	
Market launch	2013.01
Modification year and facelift	Start-up (-)
Supply market 5)	ECE
Insurance category	
Insurance category, fully comprehensive	k. A.
Insurance category, third party, fire and theft	k. A.
Insurance category, third party	k. A.

Vehicle identification (7G-DCT automated manual transmission)	
Descriptive data	
Market launch	2013.01
Modification year and facelift	Start-up (-)
Supply market 5)	ECE
Insurance category	
Insurance category, fully comprehensive	k. A.
Insurance category, third party, fire and theft	k. A.
Insurance category, third party	k. A.

Engine and performance (6-speed (manual))	
Engine	
Engine series	M270 NGT
Engine variant	E20
Combustion process	Natural Gas (monovalent)
Arrangement/no. of cylinders	L4
V angle (° degrees)	-
Total displacement (cc)	1.991
Bore (mm)	83,0
Stroke (mm)	92,0
Rated output (kW [hp] at rpm) 1)	115 [156]/5.000
Rated torque (Nm at rpm) 1)	270/1.250 - 4.000
Governed engine speed (maximum rpm) (rpm)	6.500
Compression ratio	11,0 : 1
Engine - arrangement	front
Engine - direction of installation	transverse, over axle
Engine - Mixture formation	
Mixture formation process	Petrol or gas injection
Injection location	Cylinder direct + intake duct
Injection pump type	High-pressure pump
Engine - Charging	
Engine - turbocharging	1 turbocharger
Boost pressure at full throttle (bar)	0,80
Supercharger control	Wastegate
Intercooling	Yes
Engine - Valve control	
Number of valves per cylinder	4
Camshafts - number	2
Camshaft drive	Silent chain



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Gas cycle control	Overhead camshaft (DOHC)
Variable exhaust control	Yes
Variable intake control	Yes
Valve actuation	Roller-type rocker arm (roller-type cam follower)
Crankshaft - number of main bearings	5
Mass balancing - type	Counterweights + 2 balancer shafts
Engine - Cooling	
Engine cooling system	Water cooling
Fan drive control	Electronic, infinitely variable
Engine oil cooler	Oil-water
Engine lubrication	Force-feed circulation
Engine - Ignition	
Ignition system	Fully electronic (VZ)
Engine - Exhaust emissions	
Emissions standard	Euro 6
Exhaust gas aftertreatment	3-way catalytic converter
Number of catalytic converters	1
Low-emission combustion measures	Oxygen sensor
Engine - Electric motor (hybrid)	
Rated output (electric) (DIN,ECE,SAE) (kW)	
Engine speed at rated output (electric) (rpm)	
Max. torque (electric) (DIN,ECE,SAE) ([Nm])	
Engine - Gas	
Tank capacity/incl. reserve (gas) (l)	21,0/3,0
Fuel consumption, city (urban) - gas (kg/100km)	k. A.
Fuel consumption, EUDC (extra-urban) - gas (kg/100km)	k. A.
Fuel consumption NEDC (combined) - gas (kg/100km)	4,3
CO2 emissions - gas (g/km)	117
Top speed - gas (km/h)	200
Acceleration 0-100 km/h - gas (s)	9,2
Rated output - gas (kW)	115,0
Engine speed at rated output - gas (rpm)	5000
Max. torque - gas ([Nm])	270
Engine speed at max. torque - gas (rpm)	1.250 - 4.000
Performance - Acceleration	
Acceleration 0-100 km/h (s)	9,2
Acceleration 60-120 km/h (Ma.=5 G/Au.=3. G) (s)	17,7
Performance - Speeds	
Top speed (km/h)	200
Speed in 1st gear (km/h)	k. A.
Speed in 2nd gear (km/h)	k. A.
Speed in 3rd gear (km/h)	k. A.
Speed in 4th gear (km/h)	k. A.
Speed in 5th gear (km/h)	k. A.
Speed in 6th gear (km/h)	k. A.
Speed in 7th Aisle (km/h)	k. A.
Performance - Noise	
Exterior noise at standstill (dB-A)	74
Exterior noise when driving (dB-A)	72



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Performance - Off-road attributes	
Angle of approach/departure (° degrees)	-/-
Maximum tilt angle (° degrees)	-
Fording depth (mm)	-
Breakover angle (° degrees)	9,6
Breakover angle (sports suspension) (° degrees)	-
Gradient climbing capability (%)	-

Engine and performance (7G-DCT automated manual transmission)	
Engine	
Engine series	M270 NGT
Engine variant	E20
Combustion process	Natural Gas (monovalent)
Arrangement/no. of cylinders	L4
V angle (° degrees)	-
Total displacement (cc)	1.991
Bore (mm)	83,0
Stroke (mm)	92,0
Rated output (kW [hp] at rpm) 1)	115 [156]/5.000
Rated torque (Nm at rpm) 1)	270/1.250 - 4.000
Governed engine speed (maximum rpm) (rpm)	6.500
Compression ratio	11,0 : 1
Engine - arrangement	front
Engine - direction of installation	transverse, over axle
Engine - Mixture formation	
Mixture formation process	Petrol or gas injection
Injection location	Cylinder direct + intake duct
Injection pump type	High-pressure pump
Engine - Charging	
Engine - turbocharging	1 turbocharger
Boost pressure at full throttle (bar)	0,80
Supercharger control	Wastegate
Intercooling	Yes
Engine - Valve control	
Number of valves per cylinder	4
Camshafts - number	2
Camshaft drive	Silent chain
Gas cycle control	Overhead camshaft (DOHC)
Variable exhaust control	Yes
Variable intake control	Yes
Valve actuation	Roller-type rocker arm (roller-type cam follower)
Crankshaft - number of main bearings	5
Mass balancing - type	Counterweights + 2 balancer shafts
Engine - Cooling	
Engine cooling system	Water cooling
Fan drive control	Electronic, infinitely variable
Engine oil cooler	Oil-water
Engine lubrication	Force-feed circulation



B-Class Sports Tourer B 200 Natural Gas Drive.

Engine - Ignition	
Ignition system	Fully electronic (VZ)
Engine - Exhaust emissions	
Emissions standard	Euro 6
Exhaust gas aftertreatment	3-way catalytic converter
Number of catalytic converters	1
Low-emission combustion measures	Oxygen sensor
Engine - Electric motor (hybrid)	
Rated output (electric) (DIN,ECE,SAE) (kW)	
Engine speed at rated output (electric) (rpm)	
Max. torque (electric) (DIN,ECE,SAE) ([Nm])	
Engine - Gas	
Tank capacity/incl. reserve (gas) (l)	21,0/3,0
Fuel consumption, city (urban) - gas (kg/100km)	5,6
Fuel consumption, EUDC (extra-urban) - gas (kg/100km)	3,4
Fuel consumption NEDC (combined) - gas (kg/100km)	4,2
CO2 emissions - gas (g/km)	115
Top speed - gas (km/h)	200
Acceleration 0-100 km/h - gas (s)	9,1
Rated output - gas (kW)	115,0
Engine speed at rated output - gas (rpm)	5000
Max. torque - gas ([Nm])	270
Engine speed at max. torque - gas (rpm)	1.250 - 4.000
Performance - Acceleration	
Acceleration 0-100 km/h (s)	9,1
Acceleration 60-120 km/h (Ma.=5 G/Au.=3. G) (s)	8,6
Performance - Speeds	
Top speed (km/h)	200
Speed in 1st gear (km/h)	k. A.
Speed in 2nd gear (km/h)	k. A.
Speed in 3rd gear (km/h)	k. A.
Speed in 4th gear (km/h)	k. A.
Speed in 5th gear (km/h)	k. A.
Speed in 6th gear (km/h)	k. A.
Speed in 7th Aisle (km/h)	k. A.
Performance - Noise	
Exterior noise at standstill (dB-A)	74
Exterior noise when driving (dB-A)	71
Performance - Off-road attributes	
Angle of approach/departure (° degrees)	-/-
Maximum tilt angle (° degrees)	-
Fording depth (mm)	-
Breakover angle (° degrees)	9,6
Breakover angle (sports suspension) (° degrees)	-
Gradient climbing capability (%)	-

Fuel and emissions (6-speed (manual))

Emission figures	
CO2 emissions combined (g/km) 2)	119-117
Carbon monoxide (CO) emissions, combined (mg/km)	98,9



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Hydrocarbon (HC) emissions, combined (mg/km)	52,4
HC+NOx emissions, combined (mg/km)	-
Nitrogen oxide (NOx) emissions, combined (mg/km)	21,7
Particulate emissions (mg/km)	-
Fuel consumption	
Fuel	Natural gas
Fuel consumption, urban 2)	6,0-6,0 kg/100km
Fuel consumption, extra-urban 2)	3,4-3,3 kg/100km
Fuel consumption, combined 2)	4,4-4,3 kg/100km
Tank capacity/reserve (l)	12/6,0
Efficiency class ECE production vehicle (only valid for Germany) 3)	> A

Fuel and emissions (7G-DCT automated manual transmission)	
Emission figures	
CO2 emissions combined (g/km) 2)	117-115
Carbon monoxide (CO) emissions, combined (mg/km)	43,3
Hydrocarbon (HC) emissions, combined (mg/km)	60,7
HC+NOx emissions, combined (mg/km)	-
Nitrogen oxide (NOx) emissions, combined (mg/km)	31,8
Particulate emissions (mg/km)	-
Fuel consumption	
Fuel	Natural gas
Fuel consumption, urban 2)	5,6-5,6 kg/100km
Fuel consumption, extra-urban 2)	3,4-3,4 kg/100km
Fuel consumption, combined 2)	4,3-4,2 kg/100km
Tank capacity/reserve (l)	12/6,0
Efficiency class ECE production vehicle (only valid for Germany) 3)	> A

Power transmission (6-speed (manual))	
Drive	
Drive	Front-wheel drive
All-wheel-drive torque distribution, front/rear (%/%)	-
Transmission	
Transmission - gearshift type	Manual
Forward gears (total number)	6
Transmission type designation	FSG 310-6.7 (6-speed, manual)
Transmission type	3-shaft transmission
Transmission control	manual with cable
Transmission arrangement	parallel to the engine
Ratios	
Ratios (1/2/3/4/5/6/7/R1/R2)	3,94/2,04/1,09/0,76/0,67/0,59/-/R1 3,12/R2 -
Final-drive ratio	3,67
Axle drive ratio of 2nd shaft	4,28
Gears on the 2nd shaft	1/2/5/6
Gears on the 3rd shaft	3/4/RWG
Gear ratio spread	6,67



B-Class Sports Tourer B 200 Natural Gas Drive.

Power transmission (7G-DCT automated manual transmission)	
Drive	
Drive	Front-wheel drive
All-wheel-drive torque distribution, front/rear (%/%)	-
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
Transmission arrangement	parallel to the engine
Ratios	
Ratios (1/2/3/4/5/6/7/R1/R2)	3,86/2,43/2,67/1,05/0,78/1,05/0,84/R1 3,38/R2 -
Final-drive ratio	4,13
Axle drive ratio of 2nd shaft	2,38
Gears on the 2nd shaft	1 2 4 5
Gears on the 3rd shaft	3 6 7 RW
Gear ratio spread	4,59

Suspension and steering (6-speed (manual))	
Steering	
Steering gear - type	Rack-and-pinion
Power steering	Speed-dependent, Electrical power assisted
Steering ratio (centred)	16
Steering wheel rim diameter (mm)	375
Steering column adjustment	manual
Steering column adjustment (direction)	Length and height
Suspension - Front axle	
Wheel location, front - type	McPherson
Front axle	Spring strut+wishbone
Suspension - Rear axle	
Rear wheel suspension - type	Independent suspension
Rear axle	Wishbones + control arms
Suspension - Springs	
Springs, front/rear	Coil spring, Double-tube gas pressure with SSD/Coil spring, Single-tube gas-pressure with SSD
Stabiliser type, front	Tubular torsion bar
Stabiliser type, rear	Torsion bar
Suspension - Differential	
Differential, front	Spur gear/double planetary gear set
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
Brakes	
Dynamic handling control	Standard equipment
Front brakes	Discs, internally ventilated
Rear brakes	Discs, solid
Brake callipers/brake shoes, front	Sliding calliper



B-Class Sports Tourer B 200 Natural Gas Drive.

Brake callipers/brake shoes, rear	Sliding calliper
Disc or drum diameter, front (mm)	295
Disc or drum diameter, rear (mm)	295
Disc thickness/drum width, front (mm)	28,0
Disc thickness/drum width, rear (mm)	10,0
752	Front axle
Parking brake - operation	Electric parking brake, manual
Parking brake - effect	On rear wheels
Wheels and tyres	
Wheel designation, front	6,5 J X 16
Rear wheel rim designation	6,5 J X 16
Front wheel offset (mm)	49
Rear wheel offset	49
Tyre speed rating	H (up to 210 km/h)
Tyres/wheels, front	205/55 R 16 91 H
Tyres/wheels, rear	205/55 R 16 91 H
Spare wheel version	Tyre sealant (TIREFIT)

Suspension and steering (7G-DCT automated manual transmission)	
Steering	
Steering gear - type	Rack-and-pinion
Power steering	Speed-dependent, Electrical power assisted
Steering ratio (centred)	16
Steering wheel rim diameter (mm)	375
Steering column adjustment	manual
Steering column adjustment (direction)	Length and height
Suspension - Front axle	
Wheel location, front - type	McPherson
Front axle	Spring strut+wishbone
Suspension - Rear axle	
Rear wheel suspension - type	Independent suspension
Rear axle	Wishbones + control arms
Suspension - Springs	
Springs, front/rear	Coil spring, Double-tube gas pressure with SSD/Coil spring, Single-tube gas-pressure with SSD
Stabiliser type, front	Tubular torsion bar
Stabiliser type, rear	Torsion bar
Suspension - Differential	
Differential, front	Spur gear/double planetary gear set
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
Brakes	
Dynamic handling control	Standard equipment
Front brakes	Discs, internally ventilated
Rear brakes	Discs, solid
Brake callipers/brake shoes, front	Sliding calliper
Brake callipers/brake shoes, rear	Sliding calliper



B-Class Sports Tourer B 200 Natural Gas Drive.

Disc or drum diameter, front (mm)	295
Disc or drum diameter, rear (mm)	295
Disc thickness/drum width, front (mm)	28,0
Disc thickness/drum width, rear (mm)	10,0
752	Front axle
Parking brake - operation	Electric parking brake, manual
Parking brake - effect	On rear wheels
Wheels and tyres	
Wheel designation, front	6,5 J X 16
Rear wheel rim designation	6,5 J X 16
Front wheel offset (mm)	49
Rear wheel offset	49
Tyre speed rating	H (up to 210 km/h)
Tyres/wheels, front	205/55 R 16 91 H
Tyres/wheels, rear	205/55 R 16 91 H
Spare wheel version	Tyre sealant (TIREFIT)

Body (6-speed (manual))	
Design	Sports Tourer
Cd value	0,28
Frontal area (m ²)	2,49
Drag area (m ²)	0,70
Number of doors (incl. tailgate)	5
Seats (permitted number of)	5
Roof rack (standard)	closed
Sliding sunroof/soft-top operation (standard)	n.a.
Roof opening time (Cabriolet) (s)	-

Body (7G-DCT automated manual transmission)	
Design	Sports Tourer
Cd value	0,28
Frontal area (m ²)	2,49
Drag area (m ²)	0,70
Number of doors (incl. tailgate)	5
Seats (permitted number of)	5
Roof rack (standard)	closed
Sliding sunroof/soft-top operation (standard)	n.a.
Roof opening time (Cabriolet) (s)	-

Electrical systems	
On-board electrical system voltage (V)	14
Generator/alternator - output (W)	2.100
Battery capacity (on-board electrical system) (Ah)	70



B-Class Sports Tourer B 200 Natural Gas Drive.

Quantities, dimensions and weights (6-speed (manual))	
dimensions - External	
Vehicle length (mm)	4.358
Vehicle height, tailgate open (mm)	2.007
Vehicle height at kerb weight (mm)	1.590
Vehicle width (mm)	1.812
Vehicle width - front door open (mm)	2.808
Total width (including both exterior mirrors) (mm)	2.010
Overall width (exterior mirrors folded in) (mm)	1.836
Wheelbase (mm)	2.699
Turning circle (m)	11,00
Track width, front (mm)	1.536
Track width, rear (mm)	1.542
Ground clearance at maximum load (mm)	92
Minimum width between the rear wheel arches (mm)	1.050
dimensions - Internal	
Enclosed boot capacity (l)	k. A.
Open luggage compartment capacity behind driver's seat (l)	974
Open luggage compartment capacity behind rear seat (l)	501
Open luggage compartment capacity behind 3rd row seat row (l)	-
Max. luggage capacity - behind driver's seat (l)	1.456
Boot capacity (VDA) (l) 6)	488-1.547
Enclosed luggage compartment capacity with roof down (for	k. A.
Closed luggage compartment capacity behind 3rd row seat (l)	k. A.
maximum effective headroom for driver's seat (mm)	1.036
Capacities	
Fuel tank location	in front of rear axle
Oil change quantity (with filter) (l)	5,60
Coolant capacity with heating (l)	7,8
Weights	
Perm. gross vehicle weight (kg)	2.020
Kerb weight/payload (kg) 4)	1.505/515
Loads	
Front axle load (kerb weight [EC]) (kg)	891
Permissible front axle load (kg)	1.035
Rear axle load (kerb weight [EC]) (kg)	614
Permissible rear axle load (kg)	985
Permissible rear axle load (when towing a trailer) (kg)	1.025
Max. roof load (kg)	75
Permissible drawbar load (kg)	75
perm. trailer load unbraked/braked [at 12%]/braked [at 8%] (kg)	750/1.500/k. A.

Quantities, dimensions and weights (7G-DCT automated manual transmission)	
dimensions - External	
Vehicle length (mm)	4.358
Vehicle height, tailgate open (mm)	2.007
Vehicle height at kerb weight (mm)	1.590
Vehicle width (mm)	1.812
Vehicle width - front door open (mm)	2.808
Total width (including both exterior mirrors) (mm)	2.010



B-Class Sports Tourer B 200 Natural Gas Drive.

Overall width (exterior mirrors folded in) (mm)	1.836
Wheelbase (mm)	2.699
Turning circle (m)	11,00
Track width, front (mm)	1.536
Track width, rear (mm)	1.542
Ground clearance at maximum load (mm)	92
Minimum width between the rear wheel arches (mm)	1.050
dimensions - Internal	
Enclosed boot capacity (l)	k. A.
Open luggage compartment capacity behind driver's seat (l)	974
Open luggage compartment capacity behind rear seat (l)	501
Open luggage compartment capacity behind 3rd row seat row (l)	-
Max. luggage capacity - behind driver's seat (l)	1.456
Boot capacity (VDA) (l) 6)	488-1.547
Enclosed luggage compartment capacity with roof down (for	k. A.
Closed luggage compartment capacity behind 3rd row seat (l)	k. A.
maximum effective headroom for driver's seat (mm)	1.036
Capacities	
Fuel tank location	in front of rear axle
Oil change quantity (with filter) (l)	5,60
Coolant capacity with heating (l)	7,8
Weights	
Perm. gross vehicle weight (kg)	2.050
Kerb weight/payload (kg) 4)	1.535/515
Loads	
Front axle load (kerb weight [EC]) (kg)	926
Permissible front axle load (kg)	1.060
Rear axle load (kerb weight [EC]) (kg)	609
Permissible rear axle load (kg)	990
Permissible rear axle load (when towing a trailer) (kg)	1.030
Max. roof load (kg)	75
Permissible drawbar load (kg)	75
perm. trailer load unbraked/braked [at 12%]/braked [at 8%] (kg)	750/1.500/k. A.

Servicing	
Service interval (max. km/month)	25.000 km/12 M.fix.
Work unit figure for major service	17
Work unit figure for minor service/oil change	10

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

2) The figures shown were obtained in accordance with the prescribed measuring process (Directive [EC] 715/2007) in the currently applicable version. Note according to Directive 1999/94/EC 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.

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

4) Figures 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

5) In this case ECE refers to WEU. The data apply for the following countries: Belgium, Bulgaria, Denmark, Germany, Estonia, Finland, France,



Mercedes-Benz

B-Class Sports Tourer B 200 Natural Gas Drive.

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