

smart roadster:

Technical data

	smart roadster 45 kw	smart roadster 60 kW
Engine		
Type	petrol engine	petrol engine
Number of cylinders/configuration	three in-line	three in-line
Valves	two per cylinder	two per cylinder
Engine capacity (cc)	698	698
Bore x stroke (mm)	66.5 x 67	66.5 x 67
Rated output (kW)	45 at 5,250 rpm	60 at 5,250 rpm
Max. torque (Nm)	95 at 2,000 - 4,000 rpm	110 at 2,250 - 4,500 rpm
Compression ratio	9.0 : 1	9.0 : 1
Fuel delivery	electr. multipoint injection with electronic accelerator	electr. multipoint injection with electronic accelerator
Power transmission		
Clutch	single-plate dry clutch	single-plate dry clutch
Transmission	sequential automated six-speed transmission	sequential automated six-speed transmission
Ratios		
Final drive	3,920 / 1,551	3,920 / 1,717
1st gear	13,250	13,250
2nd gear	9,604	9,604
3rd gear	6,899	7,370
4th gear	5,235	5,796
5th gear	3,800	4,208
6th gear	2,730	3,230
Running gear		
Front axle	wishbone, McPherson strut, anti-roll bar	wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion axle tube with central mount, wishbone, coil springs, telescopic shock absorbers	DeDion axle tube with central mount, wishbone, coil springs, telescopic shock absorbers
Brake system	hydr. dual circuit system with vacuum booster, disc brakes at front, drum brakes at rear, electronic stability programme esp	hydr. dual circuit system with vacuum booster, disc brakes at front, drum brakes at rear, electronic stability programme esp
Steering	rack-and-pinion steering, electr. power steering (option)	rack-and-pinion steering, electr. power steering (option)
Wheels front/rear	5 J x 15 / 6 J x 15	5 J x 15 / 6 J x 15
Tyres front/rear	185/55 R 15 / 185/55 R 15	185/55 R 15 / 185/55 R 15 /

	smart roadster 45 kW	smart roadster 60 kW
Dimensions and weights		
Wheelbase (mm)	2,360	2,360
Track width front (mm)	1,357	1,357
Track width rear (mm)	1,392	1,392
Length (mm)	3,427	3,427
Width (mm)	1,615	1,615
Height (mm)	1,207	1,207
Turning circle (m)	10.7	10.7
Front luggage compartment (l)	59	59
Rear luggage compartment (l)	86	86
Weight without driver (kg)	790	790
Fuel tank capacity (l)	35	35
Performance		
Acceleration 0 – 100 km/h (s)	15.5	10.9
Maximum speed	160 km/h	175 km/h
Fuel consumption (l/100 km)/Euro-premium		
urban cycle	6.2	6.3
extra-urban cycle	4.1	4.3
combined cycle	4.9	5.1
CO ₂ emissions (g/km)	116	121
Emission class	EU4	EU4

smart roadster-coupé:

Technical data

	smart roadster-coupé 60 kW
Engine	
Type	petrol engine
Number of cylinders/configuration	three in-line
Valves	two per cylinder
Engine capacity (cc)	698
Bore x stroke (mm)	66.5 x 67
Rated output (kW)	60 at 5,250 rpm
Max. torque (Nm)	110 at 2,250 - 4,500 rpm
Compression ratio	9.0 : 1
Fuel delivery	electr. multipoint injection with electronic accelerator
Power transmission	
Clutch	single-plate dry clutch
Transmission	sequential automated six-speed transmission with kickdown function
Ratios	
Final drive	3,920 / 1,717
1st gear	13,250
2nd gear	9,604
3rd gear	7,370
4th gear	5,796
5th gear	4,208
6th gear	3,230
Running gear	
Front axle	wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion axle tube with central mount, wishbone, coil springs, telescopic shock absorbers
Brake system	hydr. dual circuit system with vacuum booster, disc brakes at front, drum brakes at rear, electronic stability programme esp with hill start assist
Steering	rack-and-pinion steering, electr. power steering (option)

	smart roadster-coupé 60 kW
Wheels front/rear	6 J x 15 / 7 J x 15
Tyres front/rear	205/50 R 15 / 205/50 R 15
Dimensions and weights	
Wheelbase (mm)	2,360
Track width front (mm)	1,357
Track width rear (mm)	1,401
Length (mm)	3,427
Width (mm)	1,615
Height (mm)	1,207
Turning circle (m)	10.7
Front luggage compartment (l)	59
Rear luggage compartment (l)	189 / 104
Weight without driver (kg)	810
Fuel tank capacity (l)	35
Performance	
Acceleration 0 – 100 km/h (s)	10.9
Maximum speed	180 km/h
Fuel consumption (l/100 km)/Euro-premium	
urban cycle	6.4
extra-urban cycle	4.3
combined cycle	5.1
CO ₂ emissions (g/km)	121
Emission class	EU4

smart roadster and roadster-coupé (BRABUS and BRABUS Xclusive):

Technical data

	smart roadster BRABUS / smart roadster BRABUS Xclusive	smart roadster-coupé BRABUS / smart roadster-coupé BRABUS Xclusive
Engine		
Type	petrol engine	petrol engine
Number of cylinders/configuration	three in-line	three in-line
Valves	two per cylinder	two per cylinder
Engine capacity (cc)	698	698
Bore x stroke (mm)	66.5 x 67	66.5 x 67
Rated output (kW)	74 at 5,600 rpm	74 at 5,600 rpm
Max. torque (Nm)	130 at 2,500 – 5,300 rpm	130 at 2,500 – 5,300 rpm
Compression ratio	9.0 : 1	9.0 : 1
Fuel delivery	electr. multipoint injection with electronic accelerator	electr. multipoint injection with electronic accelerator
Power transmission		
Clutch	single-plate dry clutch	single-plate dry clutch
Transmission	sequential automated six-speed transmission with kickdown function	sequential automated six-speed transmission with kickdown function
Ratios		
Final drive	3,920 / 1,717	3,920 / 1,717
1st gear	13,250	13,250
2nd gear	9,604	9,604
3rd gear	7,370	7,370
4th gear	5,796	5,796
5th gear	4,208	4,208
6th gear	3,230	3,230
Running gear		
Front axle	wishbone, McPherson strut, anti-roll bar	wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion axle tube with central mount, wishbone, coil springs, telescopic shock absorbers	DeDion axle tube with central mount, wishbone, coil springs, telescopic shock absorbers
Brake system	hydr. dual circuit system with vacuum booster, disc brakes at front, drum brakes at rear, electronic stability programme esp with hill start assist	hydr. dual circuit system with vacuum booster, disc brakes at front, drum brakes at rear, electronic stability programme esp with hill start assist
Steering	rack-and-pinion steering, electr. power steering (option)	rack-and-pinion steering, electr. power steering (option)

	smart roadster BRABUS / smart roadster BRABUS Xclusive	smart roadster-coupé BRABUS / smart roadster-coupé BRABUS Xclusive
Wheels front/rear	7 J x 17 / 8 J x 17	7 J x 17 / 8 J x 17
Tyres front/rear	205/40 ZR 17 / 225/35 ZR 17	205/40 ZR 17 / 225/35 ZR 17
Dimensions and weights		
Wheelbase (mm)	2,360	2,360
Track width front (mm)	1,365	1,365
Track width rear (mm)	1,402	1,402
Length (mm)	3,427	3,427
Width (mm)	1,615	1,615
Height (mm)	1,207	1,207
Turning circle (m)	10.7	10.7
Front luggage compartment (l)	59	59
Rear luggage compartment (l)	86	189
Weight without driver (kg)	820	840
Fuel tank capacity (l)	35	35
Performance		
Acceleration 0 – 100 km/h (s)	9.8	9.8
Maximum speed	190 km/hr.	195 km/hr.
Fuel consumption (l/100 km)/Euro-premium		
urban cycle	6.4	6.4
extra-urban cycle	4.5	4.5
combined cycle	5.2	5.2
CO ₂ emissions (g/km)	122	122
Emission class	EU4	EU4