

Technical data of the variants available in Europe:

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smart fortwo 45 kW:

Technical data

Engine

Type	petrol engine
Number of cylinders/ configuration	three in-line
Valves	four per cylinder
Engine capacity (cc)	999
Bore x stroke (mm)	72 x 81.8
Rated output (kW/bhp)	45/61
Max. torque (Nm)	89
Fuel delivery	Electr. multipoint injection

Power transmission

Clutch	Single-plate dry clutch
Transmission	Automated manual five-speed transmission

Running gear

Front axle	Wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion rear axle, coil springs, telescopic shock absorbers
Brake system	Electronic stability programme esp with hill start assist, anti-lock braking system abs with electronic brake force distribution, acceleration skid control, electronic brake assist, dual-circuit brake system with tandem servo assistance, disc brakes at front, drum brakes at rear
Steering	Rack-and-pinion steering
Wheels and tyres front/rear	155/60R15 on 4.5Jx15 (front), 175/55R15 on 5.5Jx15 (rear)

Dimensions and weights

Wheelbase (mm)	1,867
Track width front (mm)	1,283
Track width rear (mm)	1,385
Length (mm)	2,695
Width (mm)	1,559
Height (mm)	1,542
Turning circle (m)	8.75
Luggage compartment capacity (l)	220 to waist line / 340 to roof
Weight without driver (kg)	750 (cabrio: 790)
Payload (kg)	270 (cabrio: 230)
Permissible total weight (kg)	1,020
Fuel tank capacity/reserve (l)	33/5

Performance

Maximum speed (km/h)	145
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Fuel consumption

(l/100 km)/Euro-premium in acc. with NEDC

Combined cycle	< 5.0
Emission class	EU4

Technical data**Engine**

Type	petrol engine
Number of cylinders/ configuration	three in-line
Valves	four per cylinder
Engine capacity (cc)	999
Bore x stroke (mm)	72 x 81.8
Rated output (kW/bhp)	52/71
Max. torque (Nm)	92
Fuel delivery	Electr. multipoint injection

Power transmission

Clutch	Single-plate dry clutch
Transmission	Automated manual five-speed transmission

Running gear

Front axle	Wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion rear axle, coil springs, telescopic shock absorbers
Brake system	Electronic stability programme esp with hill start assist, anti-lock braking system abs with electronic brake force distribution, acceleration skid control, electronic brake assist, dual-circuit brake system with tandem servo assistance, disc brakes at front, drum brakes at rear
Steering	Rack-and-pinion steering
Wheels and tyres front/rear	pure: 155/60R15 on 4.5Jx15 (front), 175/55R15 on 5.5Jx15 (rear) pulse: 175/55R15 on 5Jx15 (front), 195/50R15 on 6.5Jx15 (rear) passion: 155/60R15 on 4.5Jx15 (front), 175/55R15 on 5.5Jx15 (rear)

Dimensions and weights

Wheelbase (mm)	1,867
Track width front (mm)	1,283
Track width rear (mm)	1,385
Length (mm)	2,695
Width (mm)	1,559
Height (mm)	1,542
Turning circle (m)	8.75
Luggage compartment capacity (l)	220 to waist line / 340 to roof
Weight without driver (kg)	750 (cabrio: 790)
Payload (kg)	270 (cabrio: 230)
Permissible total weight (kg)	1,020
Fuel tank capacity/reserve (l)	33/5

Performance

Maximum speed (km/h)	145
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Fuel consumption**(l/100 km)/Euro-premium in acc. with NEDC**

Combined cycle	< 5.0
Emission class	EU4

Technical data**Engine**

Type	petrol engine
Number of cylinders/ configuration	three in-line
Valves	four per cylinder
Engine capacity (cc)	999
Bore x stroke (mm)	72 x 81.8
Rated output (kW/bhp)	62/84
Max. torque (Nm)	121
Fuel delivery	Electr. multipoint injection

Power transmission

Clutch	Single-plate dry clutch
Transmission	Automated manual five-speed transmission

Running gear

Front axle	Wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion rear axle, coil springs, telescopic shock absorbers
Brake system	Electronic stability programme esp with hill start assist, anti-lock braking system abs with electronic brake force distribution, acceleration skid control, electronic brake assist, dual-circuit brake system with tandem servo assistance, disc brakes at front, drum brakes at rear
Steering	Rack-and-pinion steering
Wheels and tyres front/rear	pulse: 175/55R15 on 5Jx15 (front), 195/50R15 on 6.5Jx15 (rear) passion: 155/60R15 on 4.5Jx15 (front), 175/55R15 on 5.5Jx15 (rear)

Dimensions and weights

Wheelbase (mm)	1,867
Track width front (mm)	1,283
Track width rear (mm)	1,385
Length (mm)	2,695
Width (mm)	1,559
Height (mm)	1,542
Turning circle (m)	8.75
Luggage compartment capacity (l)	220 to waist line / 340 to roof
Weight without driver (kg)	780 (cabrio: 820)
Payload (kg)	270 (cabrio: 230)
Permissible total weight (kg)	1,050
Fuel tank capacity/reserve (l)	33/5

Performance

Maximum speed (km/h)	145
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Fuel consumption**(l/100 km)/Euro-premium in acc. with NEDC**

Combined cycle	< 5.0
Emission class	EU4

smart fortwo cdi:

Technical data**Engine**

Type	diesel engine
Number of cylinders/ configuration	three in-line
Valves	two per cylinder
Engine capacity (cc)	799
Bore x stroke (mm)	65.5 x 79
Rated output (kW/bhp)	33/45
Max. torque (Nm)	110
Fuel delivery	common rail direct injection

Power transmission

Clutch	single-plate dry clutch
Transmission	automated manual five-speed transmission

Running gear

Front axle	Wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion rear axle, coil springs, telescopic shock absorbers
Brake system	Electronic stability programme esp with hill start assist, anti-lock braking system abs with electronic brake force distribution, acceleration skid control, electronic brake assist, dual-circuit brake system with tandem servo assistance, disc brakes at front, drum brakes at rear
Steering	rack-and-pinion steering
Wheels and tyres front/rear	pure: 155/60 R15 on 4.5Jx15 (front), 175/55R15 on 5.5Jx15 (rear) pulse: 175/55 R15 on 5Jx15 (front), 195/50R15 on 6.5Jx15 (rear) passion: 155/60 R15 on 4.5Jx15 (front), 175/55R15 on 5.5Jx15 (rear)

Dimensions and weights

Wheelbase (mm)	1,867
Track width front (mm)	1,283
Track width rear (mm)	1,385
Length (mm)	2,695
Width (mm)	1,559
Height (mm)	1,542
Turning circle (m)	8.75
Luggage compartment capacity (l)	220 to waist line / 340 to roof
Weight without driver (kg)	770 (cabrio: 800)
Payload (kg)	280 (cabrio: 350)
Permissible total weight (kg)	1,050
Fuel tank capacity/reserve (l)	33/5

Performance

Maximum speed (km/h)	135
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Fuel consumption**(l/100 km)/Euro-premium in acc. with NEDC**

Combined cycle	3.3
Emission class	EU4

smart fortwo micro hybrid drive:

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Technical data

Engine

Type	Petrol engine
Number of cylinders/ configuration	Three in-line
Valves	Four per cylinder
Engine capacity (cc)	999
Bore x stroke (mm)	72 x 81.8
Rated output (kW/bhp)	52/71
Max. torque (Nm)	92
Fuel delivery	Electr. multipoint injection

Power transmission

Clutch	Single-plate dry clutch
Transmission	Automated manual five-speed transmission

Running gear

Front axle	Wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion rear axle, coil springs, telescopic shock absorbers
Brake system	Electronic stability programme esp with hill start assist, anti-lock braking system abs with electronic brake force distribution, acceleration skid control, electronic brake assist, dual-circuit brake system with tandem servo assistance, disc brakes at front, drum brakes at rear
Steering	Rack-and-pinion steering
Wheels and tyres front/rear	pure: 155/60 R15 on 4.5Jx15 (front), 175/55R15 on 5.5Jx15 (rear) pulse: 175/55 R15 on 5Jx15 (front), 195/50R15 on 6.5Jx15 (rear) passion: 155/60 R15 on 4.5Jx15 (front), 175/55R15 on 5.5Jx15 (rear)

Dimensions and weights

Wheelbase (mm)	1,867
Track width front (mm)	1,283
Track width rear (mm)	1,385
Length (mm)	2,695
Width (mm)	1,559
Height (mm)	1,542
Turning circle (m)	8.75
Luggage compartment capacity (l)	220 to waist line / 340 to roof
Weight without driver (kg)	750 (cabrio: 780)
Payload (kg)	270 (cabrio: 240)
Permissible total weight (kg)	1,020
Fuel tank capacity/reserve (l)	33/5

Performance

Maximum speed (km/h)	145
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Fuel consumption

(l/100 km)/Euro-premium in acc. with NEDC

Combined cycle	4.3
Emission class	EU4

Technical data**Engine**

Type	petrol engine
Number of cylinders/ configuration	three in-line
Valves	four per cylinder
Engine capacity (cc)	999
Bore x stroke (mm)	72 x 81.8
Rated output (kW/bhp)	72/98
Max. torque (Nm)	140
Fuel delivery	electr. multipoint injection

Power transmission

Clutch	single-plate dry clutch
Transmission	automated manual five-speed transmission

Running gear

Front axle	Wishbone, McPherson strut, anti-roll bar
Rear axle	DeDion rear axle, coil springs, telescopic shock absorbers
Brake system	Electronic stability programme esp with hill start assist, anti-lock braking system abs with electronic brake force distribution, acceleration skid control, electronic brake assist, dual-circuit brake system with tandem servo assistance, disc brakes at front, drum brakes at rear
Steering	rack-and-pinion steering
Wheels and tyres front/rear	175/50 R16 on 5.5Jx16 (front), 225/35 R17 on 7.5Jx17 (rear)

Dimensions and weights

Wheelbase (mm)	1,867
Track width front (mm)	1,270
Track width rear (mm)	1,363
Length (mm)	2,695
Width (mm)	1,559
Height (mm)	1,532
Turning circle (m)	8.75
Luggage compartment capacity (l)	220 to waist line / 340 to roof
Weight without driver (kg)	780 (cabrio: 810)
Payload (kg)	270 (cabrio: 240)
Permissible total weight (kg)	1,050
Fuel tank capacity/reserve (l)	33/5

Performance

Maximum speed (km/h)	155
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Fuel consumption**(l/100 km)/Euro-premium in acc. with NEDC**

Combined cycle	5.2
Emission class	EU4