



smart fortwo 52 kW

Engine

Number of cylinders/arrangement		3/R
Number of valves, number of camshafts		4 valves per cylinder, 2 overhead camshafts
Capacity	cc	999
Bore x stroke	mm	72.2 x 81.3
Rated output	kW/hp	52/71 at 6000 rpm
Rated torque	Nm	91 at 2850 rpm
Compression ratio		10.5 : 1
Charging		-
Fuel delivery		Manifold injection

Power transmission

Transmission		Five-speed manual transmission
Ratios	Final drive	3.56
	1st gear	3.73
	2nd gear	2.05
	3rd gear	1.39
	4th gear	1.03
	5th gear	0.89
	Reverse gear	3.55

Suspension

Front axle	McPherson front axle with coil spring, twin-tube shock absorber, anti-roll bar
Rear axle	DeDion rear axle with coil spring, twin-tube shock absorber
Brake system	Solid disc brakes at front, drum brakes at rear, hand brake, ABS, brake assist, ESP®
Steering	Electromechanical rack-and-pinion steering
Wheel rims	5.0 J x 15 (front), 5.5 J x 15 (rear)
Tyres	165/65 R 15 T (front), 185/60 R 15 T (rear)

Dimensions and weights

Wheelbase	mm	1873
Track width front/rear	mm	1469/1430
Length (total)	mm	2695
Width (total)	mm	1663
Height (total)	mm	1555
Turning circle	m	6.95
Max. luggage compartment capacity*	l	190-260
Kerb weight in acc. with EC	kg	880
Payload	kg	270
Permissible total weight	kg	1150
Fuel tank capacity/reserve	l	28/5

Performance and fuel consumption

Acceleration 0-100 km/h	s	14.9
Maximum speed	km/h	151
Combined fuel consumption	l/100 km	4.1
CO ₂ emissions	g/km	93

*In accordance with VDA

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Charging		-
Fuel delivery		Manifold injection

Power transmission

Transmission		Five-speed manual transmission
Ratios	Final drive	3.56
	1st gear	3.73
	2nd gear	2.05
	3rd gear	1.39
	4th gear	1.10
	5th gear	0.89
	Reverse gear	3.55

Suspension

Front axle	McPherson front axle with coil spring, twin-tube shock absorber, anti-roll bar
Rear axle	DeDion rear axle with coil spring, twin-tube shock absorber
Brake system	Disc brakes at front, internally ventilated drum brakes at rear, hand brake, ABS, brake assist, ESP®
Steering	Electromechanical rack-and-pinion steering
Wheel rims	5.0 J x 15 (front), 5.5 J x 15 (rear)
Tyres	165/65 R 15 T (front), 185/60 R 15 T (rear)

Dimensions and weights

Wheelbase	mm	2494
Track width front/rear	mm	1467/1429
Length (total)	mm	3495
Width (total)	mm	1665
Height (total)	mm	1554
Turning circle	m	8.65
Max. luggage compartment capacity*	l	185-975
Kerb weight in acc. with EC	kg	975
Payload	kg	425
Permissible total weight	kg	1400
Fuel tank capacity/reserve	l	28/5

Performance and fuel consumption (provisional values)

Acceleration 0-100 km/h	s	16.9
Maximum speed	km/h	151
Combined fuel consumption	l/100 km	4.2
CO ₂ emissions	g/km	98

*In accordance with VDA