MINI Media information

MINI John Cooper Works Convertible

03/2020

TECHNICAL SPECIFICATIONS. MINI JOHN COOPER WORKS CONVERTIBLE, MINI JOHN COOPER WORKS CONVERTIBLE AUTOMATIC.



Body	MINI Joh	n Cooper Works Convertible	MINI John Cooper Works Convertible Automatic
Number of doors/seats		2 / 4	2 / 4
Length/width/height (empty)	mm	3874 / 1727 / 1415	3874 / 1727 / 1415
Wheelbase	mm	2495	2495
Track width, front/rear	mm	1485 / 1485	1485 / 1485
Turning circle	m	10.8	10.8
Ground clearance (empty)	mm	115	115
Fuel tank capacity	approx. l	40	40
Engine oil	1	5.25	5.25
Transmission oil incl. drivetrain	1	lifetime filling	lifetime filling
Unladen weight according to DIN/EU 1)	kg	1325 / 1400	1360 / 1435
Payload according to DIN	kg	445	435
Permitted gross vehicle weight	kg	1770	1795
Permitted axle loads, front/rear	kg	965 / 820	995 / 820
Permitted trailer load	0		
braked (12 %) / unbraked	kg	-/-	-/-
Permitted roof load/permitted download	kg	-/-	-/-
Luggage compartment capacity	1	160 / 215	160 215
Aerodynamic drag $c_x / A / c_x \times A$	$-/m^2/m^2$	0.36 / 2.08 / 0.75	0.36 / 2.08 / 0.75
Engine	, ,	,	
Type/no. of cylinders/valves		in-line / 4 / 4	in-line / 4 / 4
Engine control		DME 8.xT	DME 8.xT
Capacity	cc	1998	1998
Bore/stroke	mm	82.0 / 94.6	82.0 / 94.6
Compression	:1	10.2	10.2
Fuel	RON	91-98	91-98
Output	kW/bhp	170 / 231	170 / 231
at engine speed	rpm	5200 - 6200	5200 - 6200
Torque	Nm	3200 - 0200	3200 - 0200
Torque	11111		
	rnm	1450 - 4900	
at engine speed	rpm	1450 - 4800	1450 - 4800
at engine speed Electrical system	·		
at engine speed Electrical system Battery/installation	Ah / -	70 / engine compartment	70 / engine compartment
at engine speed Electrical system Battery/installation Alternator	·		
at engine speed Electrical system Battery/installation	Ah / - A	70 / engine compartment 150	70 / engine compartment
at engine speed Electrical system Battery/installation Alternator Suspension	Ah / - A	70 / engine compartment 150	70 / engine compartment 150 strut axle with aluminium swivel bearing and anti-
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension	Ah / - A	70 / engine compartment 150	70 / engine compartment 150 strut axle with aluminium swivel bearing and anti- dive control
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Rear wheel suspension Brakes, front Rear brakes	Ah / - A	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc	70 / engine compartment 150 strut axle with aluminium swivel bearing and anti- dive control Multilink axle with weight-optimised trailing arms disc, vented disc
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Rear wheel suspension Brakes, front	Ah / - A A brake force distr	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b tibution (EBD) and Cornering Bi	70 / engine compartment 150 strut axle with aluminium swivel bearing and anti- dive control Multilink axle with weight-optimised trailing arms disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction ntial Lock Control (EDLC) and Performance Control.
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Rear wheel suspension Brakes, front Rear brakes	Ah / - A A brake force distr	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry	70 / engine compartment 150 strut axle with aluminium swivel bearing and anti- dive control Multilink axle with weight-optimised trailing arms disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction ntial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels
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at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Rear wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio	Ah / - A A brake force distr with brake assistan Co	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0	strut axle with aluminium swivel bearing and anti- dive control Multilink axle with weight-optimised trailing arms disc, vented disc, vented crake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction trial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Rear wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres	Ah / - A A brake force distr with brake assistan Co	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL	70 / engine compartment 150 strut axle with aluminium swivel bearing and anti- dive control Multilink axle with weight-optimised trailing arms disc, vented disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction trial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0
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at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission Transmission type Gear ratio I	Ah / - A Brake force distr with brake assistan Co :1	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b bution (EBD) and Cornering Bi t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction tital Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519
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at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III III IV	brake force distrivith brake assistan Co :1 :1 :1 :1 :1 :1	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b bution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction trial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III IV V	brake force distr. with brake assistan Co	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088 0.892	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc, vented disc, vented disc axke system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction trial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission Gear ratio II III IV V VI	Ah / - A A A A A A A A A	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088 0.892 0.756	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction ntial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492 1.235
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Rear wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III IV V VI VII	Ah / - A A A A A A A A A A A A A A A A A A A	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088 0.892 0.756	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction ntial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492 1.235 1.000 0.801
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Rear wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III IV V VI VII VIII	Ah / - A A Ah / - A A brake force distr. with brake assistan Co :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088 0.892 0.756	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction tial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492 1.235 1.000 0.801
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III IV V VI VII VIII Reverse gear	## Ah / -	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088 0.892 0.756 3.538	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction tial Lock Control (CDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492 1.235 1.000 0.801 0.673 4.221
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III IV V VII VIII Reverse gear Final drive ratio	Ah / - A A Ah / - A A brake force distr. with brake assistan Co :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1 :1	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088 0.892 0.756	strut axle with aluminium swivel bearing and anti- dive control Multilink axle with weight-optimised trailing arms disc, vented disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction tial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492 1.235 1.000 0.801 0.673 4.221
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at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III IV V VI VII VIII Reverse gear Final drive ratio Driving performance figures Power-to-weight ratio according to DIN	Ah / - A A A A A A A A A	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b bution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7] × 17 light alloy 6-speed manual transmission 3,923 2.136 1.393 1.088 0.892 0.756 3.538 3.824	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc, vented disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction tital Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492 1.235 1.000 0.801 0.673 4.221 2.955
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III IV V VI VII VIII Reverse gear Final drive ratio Driving performance figures Power-to-weight ratio according to DIN Power output per litre	Ah / - A A A A A A A A A	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b bution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088 0.892 0.756 3.538 3.824 7.8 85.1	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc, vented disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction trial Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492 1.235 1.000 0.801 0.673 4.221 2.955
at engine speed Electrical system Battery/installation Alternator Suspension Front wheel suspension Brakes, front Rear brakes Driving stability systems Steering Overall steering ratio Tyres Rims Transmission Transmission type Gear ratio II III IV V VI VII VIII Reverse gear Final drive ratio Driving performance figures Power-to-weight ratio according to DIN Power output per litre Acceleration Asspects Acceleration Battery/installation Alternator Brakes, front Rear wheel suspension Brakes Brakes II III VIII VIII VIII Reverse gear Final drive ratio Driving performance figures Power-to-weight ratio according to DIN Power output per litre Acceleration O-100 km/h	Ah / - A A A A A A A A A	70 / engine compartment 150 Single-joint McPherson spring disc, vented disc Hydraulic 2-circuit b ibution (EBD) and Cornering Br t, hill start assistant, brake dry ntrol (DTC), Electronic Differer Elec 14.0 205/45 R17 88Y XL 7J × 17 light alloy 6-speed manual transmission 3.923 2.136 1.393 1.088 0.892 0.756 3.538 3.824 7.8 85.1 6.6	strut axle with aluminium swivel bearing and antidive control Multilink axle with weight-optimised trailing arms disc, vented disc, vented disc, vented disc rake system with anti-lock brakes (ABS), electronic rake Control (CBC), Dynamic Stability Control (DSC) function, Fading Brake Support, Dynamic Traction tital Lock Control (EDLC) and Performance Control. Handbrake impacts mechanically on rear wheels trically assisted EPS unit with Servotronic function 14.0 205/45 R17 88Y XL 7J × 17 light alloy 8-speed steptronic transmission 5.519 3.184 2.050 1.492 1.235 1.000 0.801 0.673 4.221 2.955
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Fuel consumption in EU cycle			
Urban	l/100 km	9.4 - 9.2	7.8 - 7.7
Extra-urban	l/100 km	6.1 – 5.9	5.6 - 5.4
Total	l/100 km	7.3 - 7.1	6.4 - 6.2
CO ₂	g/km	166 - 161	146 – 142
Other			
Emission rating		Euro 6d-TEMP	Euro 6d-TEMP

Technical specifications valid for ACEA markets / authorisation data only relevant to Germany in some cases (weights)

The fuel consumption, CO_2 emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are already based on the new WLTP test cycle and have been translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO_2 emissions, the CO_2 values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO_2 emission values of new passenger cars is included in the following guideline: Leitfaden über den Kraftstoffverbrauch, die CO_2 -Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guideline for fuel consumption, CO_2 emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships and at https://www.dat.de/co2.

 $^{^{\}rm 1)}$ Weight of road-ready automobile (DIN) plus 75 kg for driver and luggage