



# Specifications.

## MINI Cooper.

## MINI Cooper Automatic.

| Body                                                      |                                     | MINI Cooper                                                                                                                                                                                                                                                                                                                                                                                  | MINI Cooper Automatic          |
|-----------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| No of doors / seats                                       |                                     | 3 / 4                                                                                                                                                                                                                                                                                                                                                                                        | 3 / 4                          |
| Length / width / height (unladen)                         | mm                                  | 3723 / 1683 / 1407                                                                                                                                                                                                                                                                                                                                                                           | 3723 / 1683 / 1407             |
| Wheelbase                                                 | mm                                  | 2467                                                                                                                                                                                                                                                                                                                                                                                         | 2467                           |
| Track, front / rear                                       | mm                                  | 1459 / 1467                                                                                                                                                                                                                                                                                                                                                                                  | 1459 / 1467                    |
| Turning circle                                            | m                                   | 10.7                                                                                                                                                                                                                                                                                                                                                                                         | 10.7                           |
| Tank capacity                                             | approx. l                           | 40                                                                                                                                                                                                                                                                                                                                                                                           | 40                             |
| Cooling system incl. heater                               | l                                   | 5.2                                                                                                                                                                                                                                                                                                                                                                                          | 5.2                            |
| Engine oil                                                | l                                   | 4.2                                                                                                                                                                                                                                                                                                                                                                                          | 4.2                            |
| Transmission oil incl. drive train                        | l                                   | Lifetime                                                                                                                                                                                                                                                                                                                                                                                     | Lifetime                       |
| Weight, unladen to DIN / EU <sup>1)</sup>                 | kg                                  | 1075 / 1150                                                                                                                                                                                                                                                                                                                                                                                  | 1115 / 1190                    |
| Max load to DIN                                           | kg                                  | 450                                                                                                                                                                                                                                                                                                                                                                                          | 450                            |
| Max permissible load to DIN                               | kg                                  | 1525                                                                                                                                                                                                                                                                                                                                                                                         | 1565                           |
| Max axle load, front / rear                               | kg                                  | 820 / 730                                                                                                                                                                                                                                                                                                                                                                                    | 860 / 730                      |
| Max trailer load <sup>2)</sup><br>braked (12%) / unbraked | kg                                  | - / -                                                                                                                                                                                                                                                                                                                                                                                        | - / -                          |
| Max roofload / max download                               | kg                                  | 75 / -                                                                                                                                                                                                                                                                                                                                                                                       | 75 / -                         |
| Luggage comp to DIN                                       | l                                   | 160-680                                                                                                                                                                                                                                                                                                                                                                                      | 160-680                        |
| Air drag $c_x$ / $A$ / $c_x \times A$                     | - / m <sup>2</sup> / m <sup>2</sup> | 0.32 / 1.99 / 0.64                                                                                                                                                                                                                                                                                                                                                                           | 0.32 / 1.99 / 0.64             |
| Engine                                                    |                                     |                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Config / No of cyls / valves                              |                                     | MEV 17.2.2                                                                                                                                                                                                                                                                                                                                                                                   | MEV 17.2.2                     |
| Engine management                                         | cm <sup>3</sup>                     | 1598                                                                                                                                                                                                                                                                                                                                                                                         | 1598                           |
| Capacity                                                  | mm                                  | 77/ 85.8                                                                                                                                                                                                                                                                                                                                                                                     | 77/ 85.8                       |
| Bore / stroke                                             | :1                                  | 11:1                                                                                                                                                                                                                                                                                                                                                                                         | 11:1                           |
| Compression ratio                                         | RON                                 | 91-98                                                                                                                                                                                                                                                                                                                                                                                        | 91-98                          |
| Fuel grade                                                | kW / hp                             | 90 / 122                                                                                                                                                                                                                                                                                                                                                                                     | 90 / 122                       |
| Max output                                                | min <sup>-1</sup>                   | 6000                                                                                                                                                                                                                                                                                                                                                                                         | 6000                           |
| At                                                        | Nm                                  | 160                                                                                                                                                                                                                                                                                                                                                                                          | 160                            |
| Max torque                                                | min <sup>-1</sup>                   | 4250                                                                                                                                                                                                                                                                                                                                                                                         | 4250                           |
| At                                                        | min <sup>-1</sup>                   | 4250                                                                                                                                                                                                                                                                                                                                                                                         | 4250                           |
| Electrical System                                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Battery / installation                                    | Ah / -                              | 55 / Engine compartment                                                                                                                                                                                                                                                                                                                                                                      | 55 / Engine compartment        |
| Alternator                                                | A                                   | 120                                                                                                                                                                                                                                                                                                                                                                                          | 120                            |
| Chassis                                                   |                                     |                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Suspension, front                                         |                                     | Single-joint MacPherson spring strut axle with anti-dive control                                                                                                                                                                                                                                                                                                                             |                                |
| Suspension, rear                                          |                                     | Multi-link axle with aluminium longitudinal struts and centrally-pivoted control arms                                                                                                                                                                                                                                                                                                        |                                |
| Front brakes                                              |                                     | Vented disc                                                                                                                                                                                                                                                                                                                                                                                  | Vented disc                    |
| Diameter                                                  | mm                                  | 280 × 22                                                                                                                                                                                                                                                                                                                                                                                     | 280 × 22                       |
| Rear brakes                                               |                                     | Disc                                                                                                                                                                                                                                                                                                                                                                                         | Disc                           |
| Diameter                                                  | mm                                  | 259 × 10                                                                                                                                                                                                                                                                                                                                                                                     | 259 × 10                       |
| Driving stability systems                                 |                                     | Hydraulic two-circuit brake system with anti-lock brakes (ABS), Electronic Brake Force Distribution (EBD) and Cornering Brake Control (CBC), ASC+T traction control, Dynamic Stability Control (DSC) with Brake Assist and Hill Start Assistant, optional: Dynamic Traction Control (DTC) and Electronic Differential Lock Control (EDLC).<br>Parking brake acts mechanically on rear wheels |                                |
| Steering                                                  |                                     | Electric power steering (EPS); 2.4 rotations in total                                                                                                                                                                                                                                                                                                                                        |                                |
| Steering transmission, overall                            | :1                                  | 14.1                                                                                                                                                                                                                                                                                                                                                                                         | 14.1                           |
| Tyres                                                     |                                     | 175/65 R15 84H                                                                                                                                                                                                                                                                                                                                                                               | 175/65 R15 84H                 |
| Wheels                                                    |                                     | 5.5J × 15 LM                                                                                                                                                                                                                                                                                                                                                                                 | 5.5J × 15 LM                   |
| Transmission                                              |                                     |                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Type of gearbox                                           |                                     | 6-gear manual transmission                                                                                                                                                                                                                                                                                                                                                                   | 6-speed automatic transmission |
| Gear ratios                                               | I                                   | :1                                                                                                                                                                                                                                                                                                                                                                                           | 3.214                          |
|                                                           | II                                  | :1                                                                                                                                                                                                                                                                                                                                                                                           | 1.792                          |
|                                                           | III                                 | :1                                                                                                                                                                                                                                                                                                                                                                                           | 1.194                          |
|                                                           | IV                                  | :1                                                                                                                                                                                                                                                                                                                                                                                           | 0.914                          |
|                                                           | V                                   | :1                                                                                                                                                                                                                                                                                                                                                                                           | 0.784                          |
|                                                           | VI                                  | :1                                                                                                                                                                                                                                                                                                                                                                                           | 0.683                          |
| Reverse gear                                              | :1                                  | 3.143                                                                                                                                                                                                                                                                                                                                                                                        | 3.394                          |
| Final drive ratio                                         | :1                                  | 4.353                                                                                                                                                                                                                                                                                                                                                                                        | 4.103                          |
| Performance                                               |                                     |                                                                                                                                                                                                                                                                                                                                                                                              |                                |
| Power-to-weight ratio to DIN                              | kg/kW                               | 11.9                                                                                                                                                                                                                                                                                                                                                                                         | 12.4                           |
| Output per litre                                          | kW/l                                | 56.3                                                                                                                                                                                                                                                                                                                                                                                         | 56.3                           |
| Acceleration                                              | 0-100 km/h                          | s                                                                                                                                                                                                                                                                                                                                                                                            | 9.1                            |
|                                                           | 0-1000 m                            | s                                                                                                                                                                                                                                                                                                                                                                                            | 30.3                           |
| In 4 <sup>th</sup> / 5 <sup>th</sup> gear                 | 80-120 km/h                         | s                                                                                                                                                                                                                                                                                                                                                                                            | 9.6 / 12.1                     |
| Top speed                                                 | km/h                                | 203                                                                                                                                                                                                                                                                                                                                                                                          | 197                            |



03/2012

Valid from  
04/2012

| Fuel Consumption in EU Cycle |          |     |     |
|------------------------------|----------|-----|-----|
| Urban                        | l/100 km | 6.9 | 8.7 |
| Extra-urban                  | l/100 km | 4.6 | 5.1 |
| Composite                    | l/100 km | 5.4 | 6.4 |
| CO <sub>2</sub>              | g/km     | 127 | 150 |
| Miscellaneous                |          |     |     |
| Emission rating              |          | EU5 | EU5 |
| Ground clearance             | mm       | 139 | 139 |

Specifications apply to ACEA markets / data relevant to homologation applicable in part only to Germany (weight)

<sup>1)</sup> Weight of the car in road trim (DIN) plus 75 kg for driver and luggage.

<sup>2)</sup> Deviations are possible under certain circumstances.