

The MINI John Cooper Works Paceman. Contents.



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1. Extreme sports performance, inimitable style. The MINI John Cooper Works Paceman. (Short version)

The MINI John Cooper Works Paceman combines mouthwatering sporting flair and inimitable style to usher in a new dimension in driving fun. The seventh top-class athlete in the John Cooper Works range blends the overall concept of the first Sports Activity Coupé in its class with powertrain and chassis technology developed on the back of extensive motor sport expertise and the standard presence of ALL4 all-wheel drive. The driver and passengers can lap up the resultant sensation of race competition and the interior's characteristic sports car ambience from four individual seats.

A new addition to the compact segment: a Sports Activity Coupé with a racing flavour.

The MINI John Cooper Works Paceman takes to the stage as the stand-out sporting tool in a new category of car. The new model sees the compact Sports Activity Coupé concept wrapped up in an extra layer of muscular proportions and dynamically stretched lines.

The performance-maxing character of the MINI John Cooper Works Paceman is further emphasised by an aerodynamic kit, which features as standard alongside lowered sports suspension and 18-inch light-alloy wheels. The selection of exterior paint finishes includes Chili Red, which can also be specified – exclusively on the John Cooper Works model – as a contrast shade for the roof and exterior mirror caps, as well as for the Sport Stripes.

Engine and gearbox: top performance as standard, automatic transmission optional.

The 1.6-litre four-cylinder engine powering the MINI John Cooper Works Paceman boasts a twin-scroll turbocharger, petrol direct injection and variable valve control based on the BMW Group's VALVETRONIC technology. It develops output of 160 kW/218 hp and peak torque of 280 Newton metres (207 lb-ft), which can be increased to 300 Newton metres (221 lb-ft) for short periods between 2,100 and 4,500 rpm courtesy of the overboost function. The sports exhaust system provides this power delivery with a suitably stirring soundtrack.

The engine sends its power through a six-speed manual gearbox as standard, although a six-speed automatic is also available as an option. The MINI John

Cooper Works Paceman sprints from 0 to 100 km/h (62 mph) in 6.9 seconds – with either gearbox – on the way to a top speed of 226 km/h / 140 mph (manual) or 224 km/h / 139 mph (automatic). The engine's inherent efficiency and extensive MINIMALISM technology ensure exceptionally low fuel consumption and emissions for this output class. The MINI John Cooper Works Paceman posts average fuel consumption of 7.4 litres per 100 kilometres / 38.2 mpg imp (automatic: 7.9 l/100 km / 35.8 mpg imp) and CO2 emissions of 172 grams (automatic: 184 grams) per kilometre in the EU test cycle.

ALL4 all-wheel drive delivers unbeatable poise, assurance and sporting ability.

The MINI John Cooper Works Paceman sends its extreme engine power to the road through all four wheels. Its ALL4 all-wheel-drive system uses an electromagnetic centre differential to distribute drive seamlessly between the front and rear axles – and, in so doing, optimises traction, driving stability and agility through dynamically taken corners.

Chassis modifications to the MINI John Cooper Works Paceman include firmly tuned springs and dampers, strengthened anti-roll bars, a 10-millimetre lower ride height and a braking system with red callipers. The DSC (Dynamic Stability Control) system comprises DTC (Dynamic Traction Control) mode, and the standard Sport Button allows the driver to tweak the engine's responses and soundtrack, as well as the power assistance provided by the steering.

Interior with lounge-style surroundings and sports car ambience.

The MINI John Cooper Works Paceman lays on four seats and 330 litres of boot capacity. The two rear seat backrests can be folded down individually, increasing the amount of load space to as much as 1,080 litres. These individual seats give the rear compartment a lounge-like ambience to go with the cockpit's typically John Cooper Works sports car environment. Central features up front include bespoke sports seats, a sports steering wheel, interior trim strips in Piano Black, an anthracite-coloured roof liner and dark-coloured dials for the speedometer and rev counter.

Standard specification also features air conditioning and the MINI Boost CD radio, while the optional extras available for the regular MINI Paceman, MINI Connected technology, model-specific options and John Cooper Works accessories provide an extra boost to comfort and individuality.

2. At a glance.



- Seventh model joins the elite performance line-up under the banner of MINI's John Cooper Works sub-brand; MINI John Cooper Works Paceman blends the compact Sports Activity Coupé concept with race-bred powertrain and chassis technology; second John Cooper Works model to be fitted as standard with the MINI ALL4 all-wheel-drive system, enhancing traction and driving stability on loose ground, as well as agility through dynamically taken corners.
- MINI John Cooper Works Paceman brings a focused and authentic slice of racing car credibility to the premium compact segment; Coupé-style body with two doors and a large tailgate; powerful proportions, dynamically stretched lines and hallmark John Cooper Works design features hint at enthralling sporting ability; powertrain and chassis technology underpinned by many years of racing experience, and the longstanding John Cooper Works / MINI relationship conjures up inspirational performance attributes.
- Most powerful version of the new-generation John Cooper Works engine with four cylinders and 1.6-litre displacement; intoxicating performance characteristics rooted in construction principles and materials adapted from motor sport and cutting-edge innovations developed by the BMW Group's powertrain experts; twin-scroll turbocharger, petrol direct injection and fully variable valve management based on the BMW Group's VALVETRONIC technology; maximum output: 160 kW/218 hp; peak torque: 280 Newton metres / 207 lb-ft (300 Nm / 221 lb-ft with overboost function); sports exhaust system comes as standard.
- Sprint from 0 to 100 km/h (62 mph) completed in 6.9 seconds; acceleration figures the same with both the standard-fitted six-speed manual gearbox and the optional six-speed automatic with steering wheel shift paddles; stand-out efficiency in this output class thanks to extensive range of MINIMALISM technology, including Brake Energy Regeneration, Shift Point Display, Auto Start/Stop function and Electric Power Steering; standard Sport Button tweaks accelerator responses, the engine's vocal character, the power assistance provided by the steering and the shift dynamics of the optional automatic gearbox, if fitted.

- Six-speed manual gearbox fitted as standard, six-speed automatic gearbox with Steptronic function and steering wheel shift paddles available as an option; standard sports exhaust produces stirring soundtrack.
- MINI ALL4 permanent all-wheel-drive system fitted as standard; distribution of power varied seamlessly between the front and rear axles by an electromagnetic centre differential positioned directly on the final drive; ALL4 control electronics are integrated into the management unit of the standard DSC (Dynamic Stability Control) system – which also comprises DTC (Dynamic Traction Control) and Electronic Differential Lock Control (EDLC) – and tuned specifically to the MINI John Cooper Works Paceman; link-up of systems allows extremely fast and precise adjustment of power distribution to optimise traction, driving stability and the hallmark MINI agility over any terrain and through dynamically taken corners.
- Sophisticated chassis technology with model-specific set-up and tuning; MacPherson struts at the front axle, central-arm rear axle; standard sports suspension with particularly firmly tuned springs and dampers, strengthened anti-roll bars and a 10-millimetre drop in ride height; powerful brakes with red callipers; weight-optimised 18-inch light-alloy wheels in Twin Spoke Black Burnished design fitted as standard; exclusive 19-inch wheels available as an option.
- Standard-fitted aerodynamic kit accentuates racing character and optimises airflow; John Cooper Works logo on the radiator grille, tailgate, door sill strips and side indicators surrounds; front foglamps fitted as standard; selection of nine exterior paint shades available, including the Chili Red shade exclusively for John Cooper Works models; White, Black and Chili Red can be ordered as a contrast paint finish for the roof and exterior mirror caps, as well as for the Sport Stripes.
- Distinctively designed interior, featuring a pair of individual rear seats in the rear compartment; generous head, shoulder and legroom; armrests integrated into the rear panel trim; MINI Centre Rail included as standard; individually folding rear seat backrests; load capacity can be increased from 330 litres to as much as 1,080 litres.
- Lounge ambience in the rear compartment combines with special John Cooper Works cockpit design; sports seats, sports steering wheel, interior trim strips in Piano Black, anthracite-coloured roof liner and dark speedometer and rev counter dials as standard; optional: sports seats with

Lounge Leather trim in Carbon Black Championship Red, interior trim strips in Chili Red.

- High-quality standard equipment includes air conditioning and MINI Boost CD radio; variety of individualisation options and comfort-enhancing features, such as xenon headlights, Adaptive Headlights, Comfort Access, automatically dimming rear-view mirror and exterior mirrors, electrically operated tilting/sliding glass sunroof, Park Distance Control, harman/kardon hi-fi loudspeaker system, MINI navigation system; range of MINI Connected functions include web radio, in-car use of Facebook and Twitter, Dynamic Music, Driving Excitement, Mission Control and the MINIMALISM Analyser
- Technical specifications and performance:
MINI John Cooper Works Paceman: Four-cylinder petrol engine with twin-scroll turbocharger, direct injection and fully variable valve management based on the BMW Group's VALVETRONIC technology.
Displacement: 1,598 cc, output: 160 kW/218 hp at 6,000 rpm, max. torque: 280 Nm (207 lb-ft) at 1,900 – 5,000 rpm (with overboost: 300 Nm / 221 lb-ft at 2,100 – 4,500 rpm).
Acceleration (0–100 km/h / 62 mph): 6.9 seconds,
top speed: 226 km/h / 140 mph (automatic: 224 km/h / 139 mph).
Average fuel consumption according to EU: 7.4 litres per 100 kilometres / 38.2 mpg imp (7.9 l/100 km / 35.8 mpg imp),
CO2 emissions: 172 g/km (184 g/km).
- Exterior dimensions:
Length: 4,124 millimetres
Width: 1,786 millimetres
Height: 1,527 millimetres
Wheelbase: 2,596 millimetres

3. The Sports Activity Coupé at the top of its game. Concept and design.



Its driving characteristics and design set the MINI John Cooper Works Paceman apart from the crowd in the premium compact segment. The seventh member of the John Cooper Works line-up takes to the stage as the stand-out sporting tool in a brand new category of car. The unmistakable style of the first Sports Activity Coupé in its class and numerous signature John Cooper Works features – among them the standard-fitted aerodynamic kit, lowered sports suspension and 18-inch light-alloy wheels – lend the 4,124-millimetre-long, 1,786-millimetre-wide and 1,527-millimetre-tall three-door car an imposing presence before it has so much as turned a wheel. Key to providing the inspirational performance to back up its looks is the MINI John Cooper Works Paceman's race-bred powertrain and chassis technology. And the standard ALL4 all-wheel-drive system, which optimises not only traction and driving stability on rough terrain but also agility through dynamically taken corners, plays its part in the car's extreme driving fun as well.

The result is a race-car feeling, served up in style to the MINI John Cooper Works Paceman's driver and three passengers. The individual seats of the rear compartment lend it a lounge-like ambience to go with the cockpit's typically John Cooper Works sports car surroundings. Sports seats for the driver and front passenger and a bespoke spread of colours and materials are central to the distinctive character of the interior, as is the extensive selection of standard equipment.

Muscular proportions, dynamic lines and an aerodynamic kit mould the unmistakable figure of an elite sportsman.

The new model sees the compact Sports Activity Coupé concept re-emerge in an extra layer of muscular proportions and dynamically stretched lines. Long doors, the coupé-style roof swooping downwards from the windscreen and side windows tapering towards the rear shape the side view of the car. The upright front end exudes power and presence, while the broad-set rear – with its large tailgate – offers a hint of the car's surefooted roadholding.

The performance-maxing character of the MINI John Cooper Works Paceman is further emphasised by an aerodynamic kit. The particularly muscular front and rear aprons and bespoke side skirts ensure the airflow around the car is even more efficient. The aerodynamic kit is part of standard specification for

the MINI John Cooper Works Paceman, as is the sports exhaust system with polished stainless steel tailpipe embellishers and the 18-inch light-alloy wheels in Twin Spoke Black Burnished design with polished spoke fronts and black rim wells. Among the items on the options list are exclusive 19-inch light-alloy wheels in Cross-Spoke Crusher design. John Cooper Works logos on the radiator grille, tailgate, door sill strips and side indicator surrounds provide additional confirmation of the car's identity.

Customers can choose from nine exterior paint shades, including the Chili Red variant reserved for John Cooper Works models. White, Black and Chili Red can be ordered optionally as a contrast paint finish for the roof and exterior mirror caps, as well as for the Sport Stripes.

Irresistible combination: sports car ambience in the cockpit, lounge setting in the rear.

Inside the car, the distinctive interior design combines with the customary sports car ambience of John Cooper Works models to particularly alluring effect. The two individual rear seats offer impressive shoulder and headroom, outstanding lateral support and unusually high levels of comfort. The armrests in the rear side panels further enhance the lounge-style character of the rear compartment. These are integrated into a circular rear trim element, which matches the colour and material of the seats. The individual seat layout is highlighted by two mouldings in the load compartment cover which extend out from immediately behind the head restraints into the rear. The rear seat backrests can be folded down separately, allowing the boot capacity of the MINI John Cooper Works Paceman to grow from 330 to as much as 1,080 litres.

A sports steering wheel with red contrast stitching and John Cooper Works logo, dark-coloured dials for the 260 km/h (162 mph) speedometer and the rev counter, an anthracite-coloured roof liner, a gearshift lever with red shift pattern lettering, red contrast stitching for the gearshift lever gaiter, and floor mats with red stitching are all part of the standard equipment count for the extreme sports model, as are cloth sports seats in Diagonal Track John Cooper Works Carbon Black trim with red contrast stitching. Lounge Leather sports seats in Carbon Black Championship Red are available as an option. Standard Piano Black interior trim strips add the finishing touches to the racing-inspired aura inside the MINI John Cooper Works Paceman. Exclusive Chili Red trim – consisting of red elements for the cockpit and doors and a red stripe for the otherwise black trim strips on the centre console – can be ordered as an option.

The MINI John Cooper Works Paceman will be built alongside all the other variants of the brand's first Sports Activity Coupé and the MINI Countryman at the BMW Group's partner firm Magna Steyr Fahrzeugtechnik in Graz, Austria. Production will take place on a separate assembly line set up and operated according to the exacting standards of the BMW Group. As with all the brand's models, the high-performance powerplant for this sharpest of all MINI Paceman models will be sourced from the Hams Hall engine plant, one corner of the MINI production triangle in England.

4. Racing expertise fuels peak performance. Engine and gearbox.



Instantaneous power delivery and an unquenchable appetite for revs define the 1,598 cc four-cylinder engine powering the MINI John Cooper Works Paceman. The latest generation of the turbocharged John Cooper Works engine brings together technical details honed in race competition and cutting-edge innovations developed by the BMW Group's powertrain experts. Highlights include reinforced pistons, a weight-optimised crankshaft, an aluminium cylinder block and bearing mount, and further optimisation of the air supply and exhaust gas discharge system. Plus, the turbocharger is twinned with a generously sized intercooler. The four valves of each cylinder are operated by two overhead camshafts, low-friction rocker arms and hydraulic valve clearance compensation elements. The exhaust valves are sodium-filled to help provide the extra cooling required by a turbocharged engine.

The twin-scroll turbocharger joins forces with petrol direct injection and variable valve control based on the BMW Group's VALVETRONIC technology. This throttle-free load control system significantly improves both the engine's responsiveness and its efficiency.

Outstanding power and even greater torque thanks to the overboost function; six-speed automatic gearbox available as an option.

The MINI John Cooper Works Paceman's powerplant develops its maximum output of 160 kW/218 hp at 6,000 rpm. Peak torque of 280 Newton metres (207 lb-ft) is on tap between 1,900 and 5,000 rpm, and can be increased to 300 Newton metres (221 lb-ft) for short periods between 2,100 and 4,500 rpm using the overboost function. This opens the door to gratifyingly vivacious acceleration to which the standard-fitted sports exhaust system provides a suitably striking soundtrack.

The front-mounted transverse engine of the MINI John Cooper Works Paceman teams up as standard with a six-speed manual gearbox. A six-speed automatic is available as an option. Both variants have been revised and retuned to take into account the extra torque developed by the MINI John Cooper Works Paceman's engine, enabling outstanding performance combined with even greater efficiency. The automatic comes with the Steptronic function, which allows the driver to change gear manually using

either the selector lever on the centre console or the shift paddles on the steering wheel.

The likewise standard Sport Button on the centre console can be used to tweak the engine's responses and soundtrack, as well as the power assistance provided by the steering. If the automatic gearbox is specified, pressing the Sport Button also quickens up shift times.

Smile-inducing acceleration, impressive efficiency.

The choice of gearbox has no effect on the sprinting power of the MINI John Cooper Works Paceman. The new car dashes from rest to 100 km/h (62 mph) in a trifling 6.9 seconds, regardless of whether the engine is sending its power through its manual or automatic conduit. Top speed stands at 226 km/h (140 mph) for the manual version or 224 km/h (139 mph) for the automatic.

The MINI John Cooper Works Paceman marries this impressive performance with eye-catching economy. The engine's inherent efficiency and extensive MINIMALISM technology – such as Brake Energy Regeneration, the Shift Point Display and the Auto Start/Stop function (on manual cars) – are the trump cards here. Among the other components helping to give the John Cooper Works Paceman its efficiency edge are Electric Power Steering, whose electric motor only uses energy when power assistance is actually required, a map-controlled oil pump, an on-demand coolant pump, lightweight construction elements and optimised aerodynamic properties. Average fuel consumption in the EU test cycle is 7.4 litres (automatic: 7.9 litres) per 100 kilometres / 38.2 (35.8) mpg imp, and CO2 emissions come in at 172 (184) grams per kilometre.



5. Surging forward with irresistible force. Power transfer and chassis.

The MINI John Cooper Works Paceman converts the power of its turbocharged engine into extreme driving fun with compelling responsiveness and unshakable poise and assurance. Pulling the strings behind the scenes are advanced chassis technology – optimised specially for the MINI John Cooper Works Paceman – and the standard-fitted ALL4 all-wheel-drive system; the engine, power transfer and chassis of the new car come together to make a finely-tuned team. The vast well of expertise built up by John Cooper Works over its many years in motor sport underpins the car's captivating, but always controllable, handling.

The bespoke John Cooper Works chassis ensures optimum roadholding and unbeatable agility with every change of direction. And ALL4 allows the inimitable sense of driving fun through enthusiastically taken corners to be enjoyed in even greater depth – off road as well as on.

ALL4 all-wheel-drive system maximises assurance and sporting ability.

The ALL4 all-wheel-drive system teams up with the thrillingly potent engine under the bonnet of the MINI John Cooper Works Paceman to deliver a razor-sharp interpretation of the brand's trademark go-kart feeling. The ALL4 all-wheel-drive system developed for MINI uses an electromagnetic centre differential to distribute drive seamlessly between the front and rear axles. This means power is always sent to the wheels where it can be translated most effectively into forward propulsion. The system therefore not only provides a noticeable increase in traction and driving stability on loose ground and in adverse weather conditions, it also enhances agility in quickly taken corners.

In normal driving situations ALL4 diverts a maximum 50 per cent of the engine's power to the rear wheels, rising all the way to 100 per cent in extreme conditions. This provides – at all times – a traction-led expression of the handling talents for which MINI is famed. The control electronics of the MINI ALL4 system are integrated directly into the DSC (Dynamic Stability Control) management unit, which gives ALL4 extremely short response times and allows it to carry out proactive adjustments in the distribution of drive. The system uses the data collected by DSC to tweak the power split pre-emptively and to impressive effect through dynamically taken corners, for example. And

that means the driver enjoys outstanding agility combined with surefooted driving characteristics in customary MINI style.

Lowered sports suspension as standard.

Another key player in giving the MINI John Cooper Works Paceman its sky-high levels of driving fun is chassis technology optimised specially for the new model. A single-joint MacPherson spring-strut front axle and forged cross members, a central-arm rear axle, Electric Power Steering with speed-sensitive power assistance and an extremely high-performance braking system with red callipers make for a potent combination. The front brake discs are 307 millimetres in diameter and 24 millimetres thick, the rears 296 x 10 millimetres. The standard sports suspension includes particularly firmly tuned springs and dampers, strengthened anti-roll bars and a 10-millimetre drop in ride height.

18-inch light-alloy wheels in Twin Spoke Black Burnished design with polished spoke fronts and black rim wells are also part of standard specification, while tyres come in 225/45 R18 format. The options list includes 19-inch light-alloy wheels in Cross-Spoke Crusher design – again created exclusively for the MINI John Cooper Works Paceman.

The standard DSC (Dynamic Stability Control) system also comprises DTC (Dynamic Traction Control) mode, which allows a degree of wheel spin to help the driver pull away on loose sand or snow, for example. In DSC Off mode, an electronic locking function for the front axle differential comes into play. In tight corners it brakes a spinning wheel as required to improve handling. Known as Electronic Differential Lock Control (EDLC), this system enhances the car's traction without adversely affecting its steering properties.

The MINI John Cooper Works Countryman's assured road manners are complemented by a comprehensive array of safety equipment. The car's high-strength body structure teams up with standard safety features – including front and side airbags, side curtain airbags for the front and rear seats, three-point inertia-reel seat belts for all occupants, belt tensioners and belt force limiters for the front seats, and ISOFIX child seat attachments in the rear – to provide outstanding occupant protection all-round.

6. Individualist hits the ideal lines. Equipment and accessories.



The MINI John Cooper Works Paceman identifies itself as an extreme sportsman and individualist without the need for a second glance. And neither does it require more than a single corner to demonstrate its stand-out character with stunning clarity. Playing a key role here alongside the extraordinarily powerful engine and model-specific chassis technology is the standard fitment of the ALL4 all-wheel-drive system, an aerodynamic kit, 18-inch light-alloy wheels, a sports exhaust, a Sport Button and DSC (Dynamic Stability Control) including DTC (Dynamic Traction Control). John Cooper Works logos on the front end, rear and flanks complete the exterior picture, while the bespoke design of the interior delivers a focused sports car ambience. The premium profile of the MINI John Cooper Works Paceman is further emphasised by the standard inclusion of front foglamps, air conditioning, a run-flat indicator, electric windows, remote control central locking, electrically adjustable exterior mirrors, the Centre Rail storage and attachment system, and the MINI Boost CD radio. Customers can also order their cars with all the comfort, functionality and individuality-enhancing options available for the other MINI Paceman models, a full complement of MINI Connected features and John Cooper Works accessories.

Race feeling fed to four individual seats.

The MINI John Cooper Works Paceman ensures that the inimitable feeling of race action can be a pleasure enjoyed by four. Both the sports seats for the driver and front passenger and the two individual rear seats are trimmed in Diagonal Track John Cooper Works Carbon Black cloth with red contrast stitching, although Lounge Leather sports seats in Carbon Black Championship Red are available as an option. The door sill strips come with special John Cooper Works lettering, while the interior trim strips of the cockpit, doors and centre console are in Piano Black as standard. Optional Chili Red trim – available exclusively for the John Cooper Works model – consists of red elements for the cockpit and doors and a red stripe for the otherwise black trim strips on the centre console. A sports steering wheel with red contrast stitching and John Cooper Works logo, dark-coloured dials for the 260 km/h (162 mph) speedometer and the rev counter, an anthracite-coloured roof liner, a gearshift lever with red shift pattern lettering, red contrast stitching for the gearshift lever gaiter, and floor mats with red stitching are all part of the standard equipment count for the new extreme sports model.

Comfort, functionality and individuality on demand; exclusive and innovative functions from MINI Connected.

The John Cooper Works model can also be ordered with virtually all the options offered for its MINI Paceman siblings. Highlights include xenon headlights, Adaptive Headlights and black headlight housing, Comfort Access, automatic climate control, heated seats, Park Distance Control with rear-mounted sensors, multifunction buttons for the steering wheel (including cruise control), an electrically operated tilting/sliding glass sunroof, a rain sensor with automatic headlamp activation, and automatically dimming rear-view mirror and exterior mirrors. Among the features available to further enhance the car's functionality are a storage package, a level load compartment floor with removable cover and a luggage compartment partition net. Plus, the ambient lighting system (part of the optional light package) enhances the unique ambience inside the car.

As alternatives to the standard MINI Boost CD radio, options such as the harman/kardon hi-fi loudspeaker system, MINI Visual Boost radio and MINI navigation system are on hand to take care of entertainment and navigation requirements. The MINI Visual Boost radio and MINI navigation system link up with a 6.5-inch, high-resolution colour display in the Centre Speedo and Bluetooth hands-free functionality, complete with a USB audio interface. The maps for the MINI navigation system are stored on the car's built-in flash memory device. Also on the options list are a voice control system, a hands-free system/mobile phone preparation and a DAB tuner for receiving digital radio programmes.

The MINI Connected option also gives John Cooper Works Paceman owners access to a wide range of infotainment, communications and driving experience-related services, and allows full Apple iPhone integration. In addition, regularly updated MINI Connected apps provide an unmatched and constantly changing variety of functions, such as web radio, use of Facebook, Twitter and foursquare, Dynamic Music, Driving Excitement, Mission Control and the MINIMALISM Analyser.



7. Specifications.

MINI John Cooper Works Paceman, MINI John Cooper Works Paceman Automatic.

Body		MINI John Cooper Works Paceman	MINI John Cooper Works Paceman Automatic
No of doors/seats		3 / 4	3 / 4
Length/width/height (unladen)	mm	4124 / 1786 / 1527	4124 / 1786 / 1527
Wheelbase	mm	2596	2596
Track, front/rear	mm	1527 / 1554	1527 / 1554
Turning circle	m	11.6	11.6
Tank capacity	approx. l	47	47
Cooling system incl. heater	l	6.5	6.5
Engine oil	l	4.2	4.2
Transmission oil incl. drive train	l	Lifetime	Lifetime
Weight, unladen to DIN/EU ¹	kg	1400 / 1475	1420 / 1495
Max load to DIN	kg	470	470
Max permissible load	kg	1870	1890
Max axle load, front/rear	kg	975 / 915	995 / 915
Max trailer load braked (12%) / unbraked	kg	- / -	- / -
Max roofload/max	kg	75 / -	75 / -
Luggage compartment	l	330 – 1080	330 – 1080
Air drag $c_d / A / c_d \times A$	- / m ² / m ²	0.36 / 2.33 / 0.84	0.36 / 2.33 / 0.84
Engine			
Config/No of cyls/valves		Inline / 4 / 4	Inline / 4 / 4
Engine management		MEVD 1727	MEVD 1727
Capacity	cm ³	1598	1598
Bore/stroke	mm	77.0 / 85.8	77.0 / 85.8
Compression ratio	:1	10.5	10.5
Fuel grade	RON	91–98	91–98
Max output	kW / hp	160 / 218	160 / 218
at	rpm	6000	6000
Max torque (with overboost)	Nm	280 (300)	280 (300)
at	rpm	1900–5000 (2100–4500)	1900–5000 (2100–4500)
Electrical system			
Battery/Installation	Ah / -	70 / Engine compartment	70 / 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	307 × 24	307 × 24
Rear brakes		Disc	Disc
Diameter	mm	296 × 10	296 × 10
Driving stability systems		Hydraulic two-circuit brake system with anti-lock brakes (ABS), Electronic Brake Force Distribution (EBD) and Cornering Brake Control (CBC), Dynamic Stability Control (DSC) with Brake Assist, Hill Start Assistant, Dynamic Traction Control (DTC) and Electronic Differential Lock Control (EDLC), DSC control unit with integrated control electronics for the MINI ALL4 all-wheel-drive system. Parking brake acts mechanically on rear wheels	
Steering		Electric power steering (EPS); 2.4 rotations in total	
Steering transmission,	:1	14.1	14.1
Tyres		225/45 R18 91V	225/45 R18 91V
Wheels		7.5J × 18 light-alloy	7.5J × 18 light-alloy
Transmission			
Type of gearbox		6-speed manual transmission	6-speed automatic transmission
Gear ratios	I	:1 3.308	4.044
	II	:1 2.130	2.371
	III	:1 1.483	1.556
	IV	:1 1.139	1.159
	V	:1 0.949	0.852
	VI	:1 0.816	0.672
Reverse gear	:1	3.231	3.193
Final drive ratio	:1	3.706	3.683
Performance			
Power-to-weight ratio to DIN	kg/kW	8.8	8.9
Output per litre	kW/l	100.1	100.1
Acceleration	0–100 km/h	s 6.9	6.9
	0–1000 m	s 27.4	27.4
in 4th/5th gear	80–120 km/h	s 6.4 / 7.8	- / -
Top speed	km/h	226	224

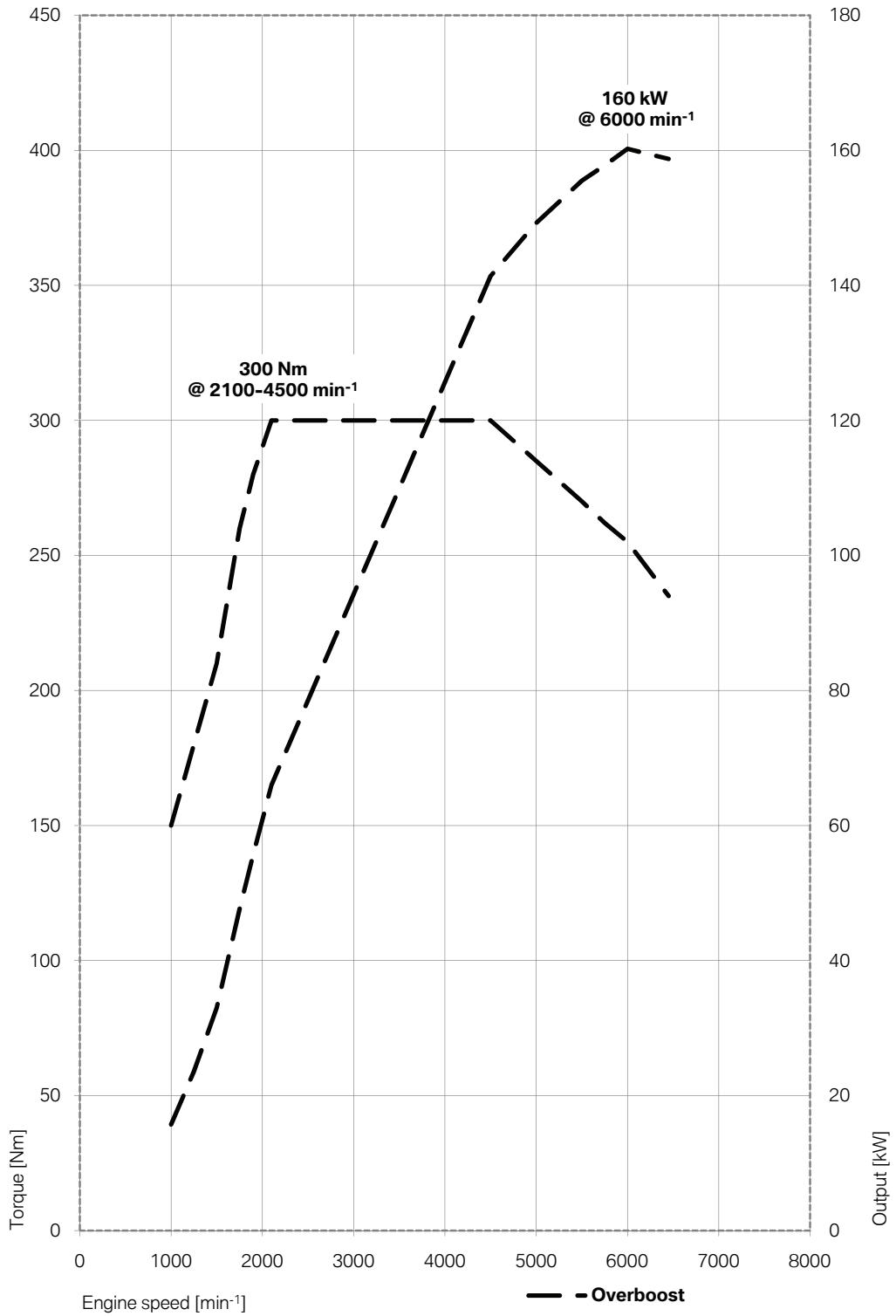
Fuel consumption in EU cycle			
Urban	l/100 km	9.4	10.7
Extra-urban	l/100 km	6.2	6.3
Composite	l/100 km	7.4	7.9
CO ₂	g/km	172	184
Miscellaneous			
Emission rating		EU5	EU5
Insurance ratings Germany	HPF/VK/TK	²⁾	²⁾
Ground clearance (empty)	mm	107	107

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

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

² Data not yet available.

8. Output and torque diagrams.



9. Exterior and interior dimensions.

