

# BMW

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### **The First-Ever BMW M3 CS.**

- Higher output from the M TwinPower Turbo technology 6-cylinder inline engine: 453 hp (+28 hp); peak torque to 443 lb-ft (+ 37 lb-ft).
- Quicker and Faster: 0 to 60 mph in just 3.7 seconds; increased top speed of 174 mph.
- Worldwide limited production of approximately 1,200 units.
- M Sports exhaust system featuring CS-specific sound tuning.
- Carbon fiber-reinforced plastic (CFRP) roof, front splitter, “Gurney Flap” and rear diffuser.
- Exclusive interior design highlights the sporty and sophisticated character Alcantara and two-tone full leather in Silverstone/Black.
- The BMW M3 CS is available to order in the US starting May, 2018.

**Woodcliff Lake, NJ – November 7, 2017 6:01 pm EST / 3:01 pm PST** ... Today, BMW announced the first-ever BMW M3 CS, a special-edition model that delivers a fine blend of high performance and complete everyday practicality. The engineers at BMW M GmbH have succeeded in intensifying the dynamic, emotion-packed character of the BMW M3 with a carefully crafted ensemble of modifications. The extensive use of carbon fiber-reinforced plastic (CFRP), has kept the first-ever BMW M3 CS extremely light. Large sections of the body are also made from CFRP, including the hood, which is around 25 percent lighter than that of the regular BMW M3. The CFRP roof alone is more than 13 pounds lighter than a conventional steel version. These changes effectively lower the car’s center of gravity, which endows the

BMW M3 CS with even better agile handling. The back of the vehicle features a redesigned “Gurney Flap” in exposed carbon fiber. This aerodynamic spoiler lip running across the trailing edge of the trunk lid significantly reduces rear-axle lift. In the interests of everyday practicality, the M3 CS forgoes a roll cage.

The excellent dynamics of the first-ever BMW M3 CS are rooted not only in unique suspension set-up (in terms of spring/damper settings), but also in a moderate increase in power for the M TwinPower Turbo technology 6-cylinder inline engine. Fitted in the M3 CS it develops 453 hp at 6250 rpm (+28 hp) and peak torque 443 lb-ft from 4000 to 5380 rpm (+37 lb-ft). The unmistakable roar of the twin turbo engine is enhanced by the M sports exhaust system that has been specially tuned for the CS and whose quartet of stainless-steel tailpipes blend perfectly into the CFRP rear diffuser.

Generous use of Alcantara and the two-tone full Merino leather in Silverstone/Black endow an enviably sporting feel. The engine in the first-ever BMW M3 CS is fired up with the push of a new red start/stop button. Paring down the passenger compartment to the essentials and, in so doing, achieving significant weight savings is also expressed in the presence of lightweight M sports seats. Its passengers need not go without niceties such as automatic climate control and a high-quality, specially adapted version of the Harman Kardon surround sound system.

Orders for the first-ever 2018 BMW M3 CS can be placed starting May, 2018. Production of the high-performance sedan will be limited to approximately 1,200 units worldwide, with approximately 550 units coming to the U.S. Pricing will be announced closer to market launch.

### **High-revving concept and TwinPower Turbo Technology deliver even higher performance.**

The inline 6-cylinder engine has a long tradition at BMW, and in the first-ever BMW M3 CS it is once again responsible for delivering top performance. Compared to the standard M3, maximum output has been increased by 28 horsepower to 453 hp, which is on tap at 6,250 rpm. Peak torque of 443 lb-ft is around 10 percent higher (M3, 406 lb-ft) and can be summoned over a wide rev range – from 4,000 rpm up to 5,380 rpm. The result, 0 to 60 mph sprint takes just 3.7 seconds, while the top speed of the BMW M3 CS, which comes with the M Driver’s Package as standard, is electronically limited to 174 mph.

The high power output of the 3.0-liter engine can be attributed to its free-revving design of the M TwinPower Turbo technology utilizing two mono-scroll turbochargers, which combined with

High Precision Direct Injection, VALVETRONIC variable valve lift and Double-VANOS fully variable camshaft timing control ensure the 6-cylinder unit delivers its power to maximum effect. Boost pressure is built up continuously from just above idling speed, while the fully variable valve and camshaft timing help to maintain high efficiency. As a result, the inline 6-cylinder under the hood has a high rated maximum engine speed for a twin-turbocharged unit (7,600 rpm).

The closed-deck design of the 6-cylinder engine's crankcase ensures it is remarkably rigid, paving the way for high cylinder pressures and very effective power output. The sleeveless cylinder walls, with their twin-wire, arc-sprayed coating, help to save weight. Another feature designed for top performance is the forged crankshaft boasting a lightweight design yet also high torsional strength. This keeps the rotating mass low and gives the twin-turbo power unit even quicker throttle response.

The engine's oil supply system is another technical highlight, showcasing the vast motorsport expertise of BMW M GmbH. It has been designed with the tough demands of track competition in mind and ensures that the engine is kept supplied with lubricant under longitudinal and lateral forces of up to 1.4 g. The lightweight magnesium oil sump is fitted with an additional cover to limit the lubricant's surging movements, even in extreme driving maneuvers such as the ones experienced on a race track. An extra oil suction pump combined with a highly effective oil return system ensure a constant oil supply.

The first-ever M3 CS features a dual-branch sports exhaust with the characteristic four tailpipes at the back neatly incorporated into the styling of the rear diffuser. The exhaust back-pressure is as low as possible, helping to enhance power, and it is governed by a system of flaps. Positioned directly upstream from the rear silencers, the flaps are controlled electrically and are designed to provide optimum feedback on the engine's load state throughout the rev range as well as generate that unmistakable, sporty M sound. The driver can alter the way the system of flaps works by preselecting a driving mode. The tailpipes are made from stainless steel and bear the M logo.

Power is transmitted to the rear wheels of the first-ever BMW M3 CS via the proven 7-speed M Double Clutch Transmission (M DCT) with Drivelogic. Extremely fast gear changes mean there is no interruption in power flow, while the M Launch Control function ensures flawless acceleration from a standing start. The M DCT unit operates fully automatically, but there are also shift paddles on the steering wheel should manual gear changes be the order of the day.

To help cope with even the most demanding operating conditions, the 7-speed transmission comes with a dedicated oil cooler.

### **Driving dynamics perfected on the race track: M-precision and agility.**

Cars created by BMW M GmbH have always stood out by virtue of their agility, steering precision and handling stability. The first-ever BMW M3 CS upholds this tradition, while also catering to the sports-minded driver with a variety of set-up options for the suspension, the M Servotronic electromechanical steering, the DSC stability control system and the 7-speed M Double-Clutch Transmission with Drivelogic.

The first-ever BMW M3 CS is fitted as standard with Adaptive M Suspension, offering the driver the choice between Comfort, Sport and Sport+ modes, including different damper settings in each of the three modes. Three different settings for the precise electromechanical steering of the M3 CS can also be selected at the touch of a button.

The high-tech chassis technology for the first-ever BMW M3 CS also includes the Active M Differential. This limited-slip differential's electronically controlled multi-disc locking action further enhances the car's already outstanding traction and stability. The control unit communicates with the DSC (Dynamic Stability Control) system, factoring in the accelerator position, rotational wheel speeds, yaw rate, and adapting to the changing driving situation with extreme precision to ensure the maximum amount of torque is distributed to the rear wheels.

DSC normally counters understeer or oversteer by means of targeted intervention in the engine and brake control systems. In the case of the M3 CS, engaging M Dynamic Mode (MDM) allows a greater degree of wheel slip, making it possible to perform mild drifts. This is the sort of maneuver drivers seeking particularly sporty and dynamic responses will enjoy.

The special edition BMW M3 CS's chassis is largely the same as that of the BMW M3 with Competition Package, but it also includes exclusive modifications for the special-edition model to give an even sportier set-up. Notable features include its low weight and the extraordinary rigidity of the axle systems. There is a lightweight double-joint spring strut axle at the front and a five-link axle at the rear. The links and wheel carriers are all made from forged aluminum. The rear differential's double-elastic suspension and the rear axle subframe's rigid bolted connection with the body structure both demonstrate how thoroughbred motorsport technology has been engrained into the road car.

The limited-run BMW M3 CS special-edition model is fitted with forged light-alloy wheels in Orbit Grey Matt as standard. Their ten-spoke design takes its cue from the wheels of the successful M4 cars competing in the German Touring Car Championship (DTM) race series. The BMW M GmbH engineers have rigorously applied their lightweight design approach to the wheels as well. The 10 J x 20-inch wheels at the rear weigh just over 22 pounds each and their 9 J x 19-inch counterparts at the front a mere 19 pounds. That keeps the unsprung masses low, which is another factor in the exceptionally dynamic handling of the M3 CS. The M3 CS rides as standard on mixed-size Michelin Pilot Super Sport tires (265/35 R 19 at the front and 285/30 R 20 at the rear).

Like the M3, the first-ever M3 CS comes with BMW M compound brakes as standard. Fixed 4-piston calipers at the front and fixed 2-piston units at the rear are employed to deliver outstanding stopping power and high fade resistance. Compound brakes are far lighter than conventional equivalents, meaning a further reduction in unsprung masses and therefore even sharper handling. The BMW M3 CS is optionally available with BMW M Carbon Ceramic brakes. These brakes feature fixed 6-piston calipers at the front and 4-piston calipers at the rear, are even lighter, can withstand the sort of extreme loads experienced in race action on a track and are even more durable.

**Expressive design: Punchy use of forms and intelligent lightweight engineering.**

The first-ever BMW M3 CS special-edition model leaves no doubt as to its performance capabilities with its looks alone. No matter which angle the M3 CS is viewed from, it appears as if cut from a single mold, has a muscular, athletic look and makes it perfectly clear it is a high-performance sports car. In other words, the M3 CS is another uncompromising expression of the BMW M design language that sets out to communicate its exceptional performance and exhibit all of its emotionally rich, intensely dynamic character.

The front end, with its pronounced three-dimensional contouring, radiates sportiness from every angle. Distinguishing features include the twin headlight units with their state-of-the-art LED technology and the slender kidney grille. The front apron is divided into three parts and highlights the dynamic nature of the first-ever BMW M3 CS even more vividly, at the same time as performing its technical functions. The large air intakes provide highly efficient cooling for both the twin-turbo 6-cylinder engine and the powerful braking system. The front splitter is made from lightweight exposed carbon fiber and reduces lift at the front axle to great effect. Carbon fiber-reinforced plastic (CFRP) has also been used for the restyled “Gurney Flap” at the rear, effectively reducing rear axle lift. The CFRP rear diffuser is carried over from the BMW M4

GTS. It adds a visually stunning and sporty flourish to the rear end and seamlessly incorporates the four stainless-steel tailpipes of the dual-branch, CS-specific M sports exhaust system into its styling. The diffuser and front splitter also optimize the airflow along the vehicle's underbody and combine with the "Gurney Flap" to keep the car in even firmer contact with the road. The use of multiple components made from CFRP is a further indication of BMW's firm commitment to intelligent lightweight engineering with the first-ever M3 CS.

The BMW M3 CS special-edition model comes with BMW Individual High gloss Shadow Line trim and darkened rear light units. BMW M GmbH is offering a total of five exterior colors for the high-performance sedan. The M3 CS is painted in Alpine White as standard, while customers may also opt for either San Marino Blue Metallic, Lime Rock Grey Metallic, Frozen Dark Blue II Metallic or Black Sapphire Metallic.

**Exclusive specification. Sportiness and comfort flowing through every vein.**

The cabin of the first-ever BMW M3 CS is awash with leather (in an exclusive two-tone Silverstone/Black finish) and Alcantara. Both the driver and front passenger settle into the same specially-designed lightweight M sports seats fitted in the M3 with Competition Package. The rear seats are likewise upholstered in Merino leather in an exclusive two-tone Silverstone/Black combination with grey contrast stitching. The sports seats in the first-ever BMW M3 CS guarantee optimum lateral support, even when powering around a track, yet they are also very comfortable on long journeys. The familiar BMW M stripes have been incorporated into the front seat belts.

The most important accessory for drivers of the first-ever BMW M3 CS is an M sports steering wheel. Wrapped in exclusive, anthracite-colored Alcantara with a silver 12 o'clock marker, this cost option provides outstanding grip in all driving situations. Alcantara with grey contrast stitching adorns the handbrake lever.

The interior's exclusive trim strips are covered with Alcantara and feature prominent CS identifiers. Alcantara – a wonderfully classy yet hard-wearing upholstery material – also graces the lightweight center console. The door sills, meanwhile, feature special strips inscribed with M3 CS lettering.

Despite the intensely sporty focus of the first-ever BMW M3 CS, drivers do not have to go without comforts such as automatic climate control. There is also a Harman Kardon surround sound system for the ultimate in listening pleasure, while the BMW Navigation system Professional is part of the extensive standard specification for the first-ever BMW M3 CS.

## Specifications.

### The First-Ever BMW M3 CS

<b>BMW M3 CS</b>		
<b>Body</b>		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4671/1877/1424
Wheelbase	mm	2812
Track, front/rear	mm	1579/1604
Ground clearance	mm	119
Turning circle	m	12.2
Fuel tank capacity	approx. l	60
Cooling system incl. heater	l	10.0
Engine oil <sup>1)</sup>	l	7.0
Weight, unladen, to EU (excl. driver/incl. driver)	kg	1585/1660
Max load to EU	kg	515
Max permissible weight	kg	2100
Max axle load, front/rear	kg	990/1170
Max trailer load, Braked (12%/unbraked)	kg	---/---
Max roofload/max towbar download	kg	75/---
Luggage comp capacity	l	445
Air resistance	$c_d \times A$	0.355 x 2.25
<b>Power Unit</b>		
Config/No of cyls/valves		Inline/6/4
Engine technology	M TwinPower Turbo technology: two mono-scroll turbochargers, High Precision Direct Injection, VALVETRONIC fully variable valve lift, Double-VANOS variable camshaft timing	
Effective capacity	cc	2979
Stroke/bore	mm	89.6/84.0
Compression ratio	:1	10.2
Fuel		RON95 – RON98 (rec.)
Max output	hp	453
at	rpm	6250
Max torque	lb-ft	443
at	rpm	4000 – 5380
<b>Electrical System</b>		
Battery/installation	Ah/–	69/Luggage compartment
Alternator	A/W	209/2926
<b>Driving Dynamics and Safety</b>		
Suspension, front	Adaptive M suspension with aluminium double-joint spring-strut axle and M-specific elastokinematics	
Suspension, rear	Adaptive M suspension with five-link axle in lightweight aluminium construction	
Brakes, front	M compound brakes, vented, with four-piston fixed callipers	
Brakes, rear	M compound brakes, vented, with two-piston fixed callipers	
Driving stability systems	Standard: DSC incl. ABS and M Dynamic Mode, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential	

<b>BMW M3 CS</b>			
<b>Driving Dynamics and Safety</b>			
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats		
Steering	Electric Power Steering (EPS) with M-specific Servotronic function		
Steering ratio, overall	:1	15.0	
Tyres, front/rear	265/35 ZR 19 98Y 285/30 ZR 20 99Y		
Rims, front/rear	9 J x 19 Light Alloy 10 J x 20 Light Alloy		
<b>Transmission</b>			
Type of transmission	7-speed M Double Clutch Transmission (M DCT) with Drivelogic		
Gear ratios	I	:1	4.806
	II	:1	2.593
	III	:1	1.701
	IV	:1	1.277
	V	:1	1.000
	VI	:1	0.844
	VII	:1	0.671
	VIII	:1	-----
	R	:1	4.172
Final drive	:1		3.462
<b>Performance</b>			
Power-to-weight ratio	kg/k	4.69	
EU excl. driver	W		
Output per litre	kW/l	113	
Acceleration 0-60 mph	s	3.7	
In 4th/5th gear 50-75 mph	s	3.4/4.3	
Top speed	mph	174 <sup>2)</sup>	
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, map-regulated oil pump		

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

<sup>1)</sup> Oil change with filter

<sup>2)</sup> Limited, with standard M Driver's Package

## BMW Group In America

BMW of North America, LLC has been present in the United States since 1975. Rolls-Royce Motor Cars NA, LLC began distributing vehicles in 2003. The BMW Group in the United States has grown to include marketing, sales, and financial service organizations for the BMW brand of motor vehicles, including motorcycles, the MINI brand, and the Rolls-Royce brand of Motor Cars; Design works, a strategic design consultancy based in California; technology offices in Silicon Valley and Chicago, and various other operations throughout the country. BMW Manufacturing Co., LLC in South Carolina is part of BMW Group's global manufacturing network and is the manufacturing plant for all X5 and X3 Sports Activity Vehicles and X6 and X4 Sports Activity Coupes. The BMW Group sales organization is represented in the U.S. through networks of 344 BMW passenger car and BMW Sports Activity Vehicle centers, 153 BMW motorcycle retailers, 127 MINI passenger car dealers, and 36 Rolls-Royce Motor Car

dealers. BMW (US) Holding Corp., the BMW Group's sales headquarters for North America, is located in Woodcliff Lake, New Jersey.

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**Journalist note:** Information about BMW and its products in the USA is available to journalists on-line at [www.bmwusanews.com](http://www.bmwusanews.com).

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