# THE FIRST-EVER BMW M340I XDRIVE.

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M DF 1002



- Engineered by BMW M, Made in India.
- Powerful 6-cylinder BMW M performance petrol engine with 387 hp.
- M-specific suspension, M Sport differential and brake for outstanding dynamics.
- BMW xDrive, intelligent four-wheel drive for maximum traction.

Over the past 40 years, no other BMW has embodied the concept of the Ultimate Driving Machine better than the BMW 3 Series. Modern design, exceptional handling, efficiency and innovative technology, all signature characteristics of a BMW, have been developed to the highest level ever through tireless engineering and testing. The BMW M GmbH is now presenting an extremely dynamic model variant of the BMW 3 Series sports sedan - the first-ever BMW M340i xDrive. It represents not only the core of the BMW 3 Series range but also the heart and passion of the BMW brand.

The BMW M340i xDrive is powered by a newly developed straight six-cylinder petrol engine with 285 kW/387 hp. Together, high engine performance, M- specific suspension technology and intelligent four-wheel drive provide for outstanding driving dynamics that are unparalleled in the midsize segment. The exceptional sporty character is underscored by model-specific design and equipment features.

Acceleration, cornering dynamics, agility, precision, braking – the BMW M340i xDrive is setting new benchmarks in all areas relevant to driving dynamics. It makes consistent use in particular of the vehicle concept of the BMW 3 Series sedan, which is oriented towards sporting driving pleasure and comprises a low centre of gravity, optimised weight, well-balanced axle load distribution as well as increased body rigidity and uprated suspension mountings. Moreover, the suspension technology and aerodynamics are precisely tuned to the new power unit's high performance characteristics. In addition, the M Sport suspension, variable sports steering, an M Sport differential, the M Sport brake system and 18-inch M light alloy wheels with mixed tyres are all standard equipment features for the BMW M340i xDrive.

The powerful BMW M340i xDrive will be locally produced at BMW Group Plant Chennai.

#### Exterior design: an expression of sporting prowess.

The exterior design of the BMW 3 Series uses a combination of precisely drawn lines and strikingly contoured surfaces to create a modern interpretation of the sporting aesthetic. Its new design language provides a clear showcase for the athletic character of the car. The BMW M340i xDrive sedan is 4,713 mm long with 2,851 mm wheelbase, 1,827 mm wide and 1,440 mm tall. These dimensions lend the car dynamically stretched proportions and a muscular stature.



In keeping with the sporting theme, the front end of the M340i xDrive cuts a wide, low-slung and aggressive figure. The large **BMW kidney grill mesh inserts** are framed by a single surround and split up by wide bars that link to the headlight units. A technically sophisticated and visually smaller interpretation of the customary BMW twin headlights gives them a roadfocused stare. Their familiar two-way split is emphasized by an eye-catching notch in the front bumper that rises up into the headlight contour. As a model specific equipment, the car features **the Adaptive LED headlights with BMW Laserlight** which offers variable illumination of the road ahead. They stand apart with their hexagonal daytime driving light rings and blue, L-shaped elements in the inner and outer light sources revealing the presence of this highly sophisticated lighting technology.

The hood is shaped by four contour lines flowing towards the BMW kidney grill. At its leading edge, it sits flush with the upper edge of the headlights and kidney grill. Below it, the front bumper has large surfacing and a modern look. The vehicle's exclusive look is also complemented by exterior mirror caps, air intake struts, the BMW kidney grille surrounds, trapezoidal tailpipe trims and the model lettering all finished in Cerium Grey metallic.

The car's hood, long wheelbase, short overhangs and elegantly flowing roofline accentuate its sporting profile when viewed from the side. A pair of character lines, which rise up to the rear of the car at door-handle level, strengthen the visual impact made by the forward-surging body. A contour line near the side skirts guides the eye to the sculpted rear wheel arches.

Another feature treated to a striking look is the Hofmeister kink – the familiar counter- swing at the trailing edge of the side window graphic. A BMW hallmark, this element of the window frame is now integrated into the C-pillar, giving the rear doors a "freestanding" glass edge. The design language majors on clear forms and precise lines, and this approach is also visible in the transition of the flanks into the car's rear end. Surface contours flow stylistically into the rear bumper from the side skirts and extend in an upward movement via the rear lights to the spoiler lip on the trunk lid. Horizontal lines and the slim, stylishly darkened light units housing **L-shaped LED taillights** give the rear a wide and athletic stance. Complementing the aerodynamically optimised body elements features a body coloured **M rear spoiler** on the boot lid. Adding to the sporty look are the **18-inch M light alloy wheels** with mixed tyres.

#### Interior and equipment: Refined premium sporty ambiance.

The brand's design language brings a clear arrangement of surfaces to the interior of the first-ever M340i xDrive. The cabin of the M340i xDrive is designed to offer a modern space with a focus on driving enjoyment. Higher quality materials, precise build quality and numerous meticulously crafted details set the tone for the refined premium character of the four-door sedan.

This design language accentuates the increased spaciousness of the cabin and together with the cockpit's focus on the driver, enhances their focus on the road ahead. The



instrument panel has a modern, light look, and its horizontal lines, high-quality electroplated trim strips and contours extending into the doors lend themselves to a feeling of width and elegance. The coordinated design of the door trim, instrument panel and center console create an all-round feeling of space and a sporting aura. With their dynamic lines and clasp-style door openers, the front and rear door trim panels create a neatly coherent impression. The newly designed instrument cluster and Control Display form a large surfaced screen grouping, while the controls not included in these units are clustered into clearly structured function panels. The digital instrument cluster bears the lettering "M340i". In the center of the instrument panel, the displays and buttons for the air conditioning and the central air vents form a sharply designed unit, while the light functions are operated from a panel of buttons next to the steering wheel. The start/stop button for the engine is positioned in the center console, where the gearshift lever is joined by the iDrive Controller and the buttons for the Driving Experience Control and electromechanical parking brake.

The **Sport seats** provide excellent lateral support and have an even greater range of adjustment. The **Anthracite BMW Individual roof liner, BMW Individual High-Gloss Shadow Line elements, M leather steering wheel with shift paddles, M seat belt and interior trim strips in Aluminum Tetragon** provide a performance oriented ambiance.

The slender A-pillar trim, the location of the Control Display and the rearview mirror's ultraslim frame all serve to optimize the view through the windscreen at the same time as adding to the interior's more spacious feel. The view to the rear has also been significantly improved. Customers will be greeted by the larger glass area from the standard sunroof, which can be better enjoyed by rear seat passengers. The cabin is spacious and comfortable with good shoulder room in the front and legroom for the passengers in the rear. Getting in and out of the car is easy for the rear passengers due to the modified roof edge and side skirt contouring that increases the height of the door aperture. The rear compartment can accommodate a row of three child seats, two of which can be locked into place using ISOFIX anchor points. A further exclusive design feature of the BMW M340i xDrive are the front door sills also boasting the model lettering.

**Ambient Lighting** with six dimmable designs creates an atmosphere for every mood. It includes the Welcome Light Carpet, which generates a striking light graphic where the driver and passengers get into and out of the car. The M340i xDrive comes standard with a rain sensor, automatic headlights, a hands-free phone system and three-zone automatic climate control with independent control of the temperature and ventilation settings for the driver, front passenger and rear passengers. The acoustic properties of both systems have been



improved. The air ducts and outlets have been redesigned and pressure losses reduced, leading to a perceptible decrease in flow noise when the ventilation, heating or air conditioning are operating. Body improvements to divert air flow further boost acoustic comfort, while the structural foam used to fill the A-pillars lessens the amount of wind noise that reaches the interior. Acoustic glass for the windscreen is part of standard specification for the first-ever BMW M340i xDrive Sedan.

The M340i xDrive Sedans' boot has a capacity of 480 litres and its partitioning into primary luggage compartment and separate storage compartments has created additional space. The Storage package adds features such as extra storage areas, partition nets on both sides of the trunk, bag hooks and a 12V socket. The standard 40:20:40 split-folding rear backrest makes it easy to transport particularly large and bulky items.

## Straight six-cylinder engine with superior power development and characteristic sound.

The power plant developed for the BMW M340i xDrive Sedan raises the vehicle's characteristics in areas of performance, response, revving power, running smoothness and efficiency, so typical of BMW straight six-cylinder engines, to a new level. The 3-litre engine features an aluminium crankcase and an aluminium cylinder head. The turbocharging system, which was constructed according to the TwinScroll principle, has also been redeveloped. The integration of the compact steel exhaust manifold and turbocharger effectuates rapid boost pressure development. A mass moment of inertia reduced by around 25 percent enhances turbine response and a wide opening, electrically controlled waste gate contributes towards better emission values. Fuel supply is performed by means of High Precision Injection technology, the injectors of which now operate at an injection pressure increased to up to 350 bar. The current version of M TwinPower Turbo technology is complemented by fully variable valve control VALVETRONIC and variable camshaft control Double VANOS.

The drive technology, which has been extensively redeveloped and numerous details of which have been completely renewed, provides the **six-cylinder** with **285 kW/387 hp and 500 Nm maximum torque**. As a result, the car has also clearly gained in sporting prowess. The BMW M340i xDrive completes the sprint from 0 to 100 km/h in **4.4 seconds.** 

Power development and speed increase are accompanied by the characteristic sound of the straight six-cylinder engine, which has gained additional presence thanks to the M Sport exhaust unit. Above all in the SPORT and SPORT+ modes, which can be activated via the Driving Experience Control switch, the valve-controlled exhaust system generates a particularly distinctive sound. The sound development that accompanies the engine's dynamic power delivery is also intensively perceptible inside the BMW M340i xDrive.



The fuel consumption is 11.86 kilometre per litre and CO2 emissions are 200 grams per kilometre.

#### 8-speed Sport Steptronic transmission.

The M340i xDrive is equipped with the **8- speed Sport Steptronic transmission.** The quick-shifting sport automatic transmission features an optimized hydraulic control system and shorter gearing for improved response and acceleration. The 8-speed Sport Steptronic transmission's Launch Control function optimizes traction during acceleration off the line more effectively than in previous versions and shift paddles on the steering wheel allow for manual gear selection. Intelligent connectivity enables the sport automatic transmission to adapt its shift strategy according to the route and driving situation. Working with the standard navigation system, the 8-speed Sport Steptronic transmission uses data from this system to avoid unnecessary gear changes when negotiating a series of fast corners and, when approaching a vehicle ahead for example, to shift down early in order to use the engine braking to scrub off speed.

The coasting function is now available when either ECO Pro or COMFORT mode is selected using the **Driving Experience Control** switch between 9 and 99 mph. The efficiencyenhancing decoupling of the powertrain only takes place in driving situations where performance and comfort are not compromised. If the driver suddenly lifts off the accelerator, the powertrain stays connected so that engine braking can be used to support deceleration. For the same reason, powertrain disconnection is also prevented when approaching a junction or a vehicle ahead.

#### M Sport Suspension.

With kinematics and elastokinematics clearly tuned for dynamic driving, the M Sport suspension features more rigid bearings and additional body struts, firmer springs and anti-roll bars, and an even higher degree of wheel camber. The M Sport suspension now also applies to the all-wheel-drive M340i xDrive with the same 10 mm / 0.4 inch lowering in ride height. The M340i xDrive Sedans' handling and steering dynamics have been fine-tuned with a series of precisely matched chassis components. The functionally coordinated interplay of suspension, steering, tires, brake system and differential lock makes sport driving an effortlessly enjoyable experience.

#### Variable Sport steering: More direct, precise and agile.

With its variable ratio, Variable Sport steering is able to adjust to the steering angle changes, making it as adept at keeping the BMW M340i xDrive effortlessly in a straight line as at maximizing cornering agility or turning and maneuvering comfort. In its latest form, the Variable Sport Steering is more direct in its responses, even when only a slight steering input is applied. Cornering is precise and responsive, while the wheel angles required for parking maneuvers are achieved with less steering wheel input required.



#### M Sport brakes.

High-performance lightweight brakes play a very important part in the characteristics of the M340i xDrive. The front brake disks measure 348 mm / 13.7inches with four-piston fixed calipers while the rear brake disks measure 345 mm / 13.6 inches in diameter with single-piston floating calipers. The M Sport brakes provide excellent braking performance and intuitive feel, whether negotiating city streets or driving around a circuit on a track day. Combining an extremely sporty set-up - with short pedal travel and a distinct pressure point – with outstanding thermal resistance, they provide lasting and effective stopping power. The M Sport brakes achieve this with a more direct ratio as well as a different hydraulic configuration. The brake calipers are painted blue and display the M logo.

The functions provided by the Dynamic Stability Control (DSC) system include not only antilock braking (ABS) and Dynamic Traction Control (DTC), but also a variety of stabilizing functions and the Start-Off Assistant. The **Performance Control** heightens the agility of the BMW M340i xDrive Sedan by distributing more power to the rear wheels as the situation requires. In order to optimize directional stability during heavy braking on surfaces with differing levels of grip, a steering impulse is applied to help the driver correct the car's line. The functioning of the electromechanical parking brake is integrated into the rear brake calipers by means of the DSC system.

#### BMW xDrive, the intelligent all-wheel drive technology.

With fully variable power distribution between the front and rear axles, **the intelligent allwheel drive** technology in the BMW M340i xDrive ensures maximum traction, agility and vehicle stability. The rear-wheel bias of BMW xDrive supports the driving experience that driver's expect from their BMW. The Driver Experience Control modes SPORT and SPORT+ help support more dynamic driving even further by transferring power to the rear wheels when the driver is steering into a corner for example. The BMW M340i xDrive is equipped with a standard M Sport rear differential.

#### M Sport differential optimizes traction, agility, stability and cornering dynamics.

The M Sport differential in the M340i xDrive Sedan is an electronically controlled, fully variable locking rear differential helps that appreciably enhances traction and cornering. The active differential lock also has a positive effect on directional stability and agility.

Using the DSC system to precisely limit rotational speed equalization between the inside and outside rear wheel when cornering optimizes the transfer of power to the road in all driving situations. The electro-mechanical locking effect allows as much as 1,106 lb-ft of torque to be redirected from the faster-turning wheel to the slower-turning one. This means understeer can be countered effectively under quick cornering. Here, the engine's power, which cannot be transferred to the road by the unloaded wheel on the inside of a turn, is deliberately shifted



to the wheel on the outside of the turn rather than applying the brakes to neutralize its effect. This draws the car into the bend and allows the BMW M340i xDrive Sedan to accelerate out of the bend with grip and speed.

The effect of the M Sport differential is quickly noticeable in a series of fast bends. The distribution of power to each individual wheel prevents the tendency to oversteer in situations involving multiple changes of direction and load. Here, the transfer of more power to whichever wheel is on the inside of the bend enables the driver to stick to the chosen course with stability and confidence. Similarly, when the driver changes lanes and brakes at the same time, directional stability is optimized through the transfer of power between the right and left rear wheels.

#### Driver assistant systems.

The new model offers a lot of systems which enhance specific aspects of comfort and safety. The array of advanced driver assistance systems takes the BMW M340i xDrive further along the road to automated driving. Camera images and the data gathered by radar and ultrasonic sensors are used to monitor the vehicle's surrounding area and either alert the driver to hazards or minimise the risk of an accident by means of corrective braking and steering. The standard **Cruise Control** with braking function helps to make life easier on long-distance journeys by automatically accelerating or slowing down the car to maintain the desired speed set by the driver.

Drivers are able to rely on the comprehensive support of various innovative assistance systems when parking and manoeuvring. The Park Distance Control (PDC) with sensors at both the front and rear provides visual and acoustic signals to prevent collisions with obstacles located to the side or rear of the vehicle. The **Parking Assistant** goes further still by selecting spaces either parallel or perpendicular to the road, and manoeuvring into them. The system takes care of steering the car, accelerating and braking, plus – on models fitted with the eight-speed Steptronic transmission – making the necessary gear selections, too. What's more, the Parking Assistant can now also be used for automatically manoeuvring out of parallel parking spaces. Here, the driver has to first specify the direction in which the parking space is to be exited by switching on the indicators on that side. The system then manoeuvres the vehicle – using reversing and steering inputs – into a position from which the driver can leave the parking space with the steering turned to the same angle.

Another of the Parking Assistant's features is the innovative **Reversing Assistant**, which helps the driver to exit parking spots or manoeuvre when space is limited. This system is the



only one of its kind in the segment and represents another step towards automated driving. The Reversing Assistant offers the highly convenient option of automated reversing in confined spaces or situations where the driver does not have a clear view, such as multi-storey car parks or entrances to courtyards. To do this, it stores the steering movements for any section the car has just driven forward along at no more than 36 km/h (22 mph). The system is then able to reverse the vehicle for distances of up to 50 metres by steering it along exactly the same line it has just taken when moving forward, while all the driver has to do is operate the accelerator and brake pedals and monitor the area around the car. The Reversing Assistant can back the car up at a maximum 9 km/h (5.5 mph). The rear view camera (part of the Parking Assistant) provides drivers with an excellent overview of the situation when manoeuvring, parking or exiting parking spaces.

#### BMW Live Cockpit Professional in modern design.

Modern cockpit concept **BMW Live Cockpit Professional** running on BMW Operating System 7.0 includes 3D Navigation, iDrive with touch functionality, intelligent voice control and Apple CarPlay/Android Auto preparation. It consists of a 12.3 inch digital instrument display behind the steering wheel and a 10.25 inch Control Display. The digital instrument cluster bears the lettering "M340i". The displays showing entertainment and radio station listings, navigation and orientation maps and the new onboard computer read-out can be configured by the driver according to taste. The layout of content on the central Control Display, which is optimised for touch control, can be personalised by adjusting the configuration of two to four pads per page. The pads at the highest level of the display show real-time data, so that the most important information can be absorbed at a glance.

As well as determining the colour and display content of the BMW Live Cockpit Professional, the Driving Experience mode selected now repeats the trick for the Control Display, creating a consistent appearance. Among the special details benefiting from this change is the personalised Welcome Scenario, with which the car greets the driver. This feature can now include the actual colour and equipment line of the car they are driving. The same goes for the display when calling up information on fuel consumption or fuel level via the 'Car' menu item.

#### **BMW Virtual Assistant.**

The BMW Virtual Assistant forms part of the control/operating concept. Uttering the short prompt "Hey/Hi/Hello BMW" allows drivers to access various vehicle functions and obtain information simply by speaking. The BMW Virtual Assistant is a digital character that helps the



driver, learns their preferences and is familiar with their favourite settings for example the places they drive to frequently using the navigation system ("Hey BMW, take me home"). Saying "Hey BMW, I'm cold" will prompt the car to adjust the temperature inside. One unique feature over other digital assistants is that drivers can give this one a name of their choice (for eg, "Hey Charlie").

The BMW Virtual Assistant is first and foremost a genuine BMW expert. It is familiar with virtually all of the vehicle's functions and is able to operate them as required or even explain them clearly if necessary ("Hey BMW, how does the Launch Control work?"). The assistant can provide current status information ("Hey BMW, is the oil level okay?") and help answer questions ("Hey BMW, what warning messages do I have?" or "Hey BMW, how far can I drive before I need to refuel?"). It can even activate a combination of the driver's favourite settings to enhance their well-being. For instance, saying "Hey BMW, I feel tired" triggers adjustments to the lighting mood, music and temperature, among other things, in order to make the driver feel more awake.

#### **BMW Gesture Control.**

Hands do the talking with the unique Gesture Control which is part of a rigorously thought-out operating concept that recognizes six pre-defined hand movements for control of a number of functions. This includes volume control, accepting or rejecting phone calls, acknowledging check control messages, closing an information window etc. There is also the option of pairing a specific gesture with an individual choice of function.

Available as part of **BMW ConnectedDrive**, **Apple CarPlay / Android Auto** seamlessly integrates the phone to BMW's iDrive system. Messages, calls, maps and music are shown on the center display similarly to how they appear on the phone, allowing the driver to stay focused on the road and adding to the ultimate driving experience. The smartphone holder integrated into the centre console allows inductive **Wireless Charging** for mobile phones. The BMW M340i xDrive features a **Harman Kardon Surround Sound system** with 16 speakers and total output of 464 watts. Bluetooth with audio streaming, handsfree and USB connectivity ensure complete infotainment experience.

#### BMW Head-Up Display.

The BMW Head-Up Display projects driving-related information onto the windscreen and directly into the driver's field of view. It employs full-colour graphics and allows the driver to



assimilate a wealth of information without having to divert their eyes from the road. As well as the selected gear, a digital speed readout, messages from the road sign detection system and navigation instructions, the M-specific display content configurable in the iDrive menu includes a multi-coloured rpm dial complete with shift lights.

#### Safety.

BMW Safety technologies include six airbags, Attentiveness Assistance, Anti-lock Braking System (ABS) with Brake Assist, Dynamic Stability Control (DSC) including Dynamic Traction Control (DTC), Cornering Brake Control (CBC), electric parking brake with auto hold, sideimpact protection, electronic vehicle immobilizer and crash sensors, Runflat Tyres with Tyre Pressure Indicator, ISOFIX child seat mounting and integrated emergency spare wheel under the load floor.



#### Specifications.

		BMW M340i xDrive
Body		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4713 / 1827 / 1440
Wheelbase	mm	2851
Track, front/rear	mm	1579/1567
Ground clearance	mm	110
Turning circle	m	12.0
Fuel tank capacity	approx . I	59
Engine oil 1)		7.2
Max permissible weight	kg	2245
Luggage comp capacity		480
Air resistance	cd x A	0.26 x 2.22
Power Unit		
Config/No of cyls/valves	6	In-line / 6 / 4
Engine technology		M TwinPower Turbo technology: TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing
Effective capacity	CC	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min. RON 91
Max output	kW/hp	285/387
at	rpm	5800
Max torque	Nm	500
at	rpm	1850 – 5000
Electrical System		
Battery/installation	Ah/–	80 / luggage compartment
Driving Dynamics an	d Safet	у
Suspension, front		Double-joint spring-strut axle in lightweight aluminium-steel construction with M specific elastokinematics, hydraulically damped torque strut bearings
Suspension, rear		Five-link axle in lightweight aluminium-steel construction with M specific elastokinematics
Brakes, front		Four piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant,



	xDr	ive all-wheel-drive system networked with DSC, M Sport differential		
Safety equipment	anc	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts for all seats, front seats with belt stopper, belt latch tensioner		
		d belt force limiter, crash-active front head restraints, crash sensors,		
	an	tyre pressure indicator		
ôteering		Electric Power Steering (EPS), variable sport steering with Servotronic function		
Steering ratio, overall	:1	13.6		
yres, front/rear		225/45 R18 95Y XL/		
		255/40 R18 99Y XL		
Rims, front/rear		7.5J x 18 light-alloy/ 8.5J x 18 light-alloy		
Transmission		0.55 x To light-alloy		
Type of transmission		Eight-speed Steptronic transmission		
Gear ratios	I :1	5.250		
	II :1	3.360		
	III :1	2.172		
	IV :1	1.720		
	V :1	1.316		
	VI :1	1.000		
	VII :1	0.822		
	VIII :1	0.640		
	R :1	3.712		
Final drive	:1	2.813		
Performance				
Power-to-weight ratio (DIN)		5.9		
Output per litre	kW/I	95.1		
Acceleration 0–100 km/h	S	4.4		
Top speed	km/h	250		
BMW				
EfficientDynamics BMW	Brake Ene	rgy Regeneration with recuperation display, Electric Power Steering		
EfficientDynamics standard features	(EPS), A EfficientL on-dema	(EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency- optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling		
		resistance		
Fuel Consumption ECE				
Combined	l/100 km	8.434		
CO2	g/km	200		
Emission rating	5	Bharat Stage-VI		

<sup>1)</sup>Oil change



#### Exterior and interior dimensions.

