M5.

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		N 1 1 1			
	BMW M5.				
Body					
Number of doors/seats		4/5			
Length/width/height (empty)	mm	4966 / 1903 / 1473			
Wheelbase	mm	2982			
Track width, front/rear	mm	1626 / 1594			
Ground clearance		132			
Turning circle	m	12.6			
Fuel tank capacity	approx. I	68			
Engine oil 1)		10.0			
Unladen weight according to DIN/EU	kg	1865 / 1940			
Payload according to DIN	kg	575			
Permitted total weight	kg	2440			
Permitted axle loads, front/rear	kg	1215 / 1260			
Permitted trailer load	kg				
braked (12 %) / unbraked		2000 / 750			
Permitted roof load/permitted download	kg	100 / 90			
Luggage compartment capacity	I	530			
Drag coefficient	c _X x A	0.758			
Engine					
Type/no. of cylinders/valves		V/8/4			
Engine technology	I	M TwinPower Turbo Technology with cross-cylinder-bank exhaust manifold: M TwinScroll Twin Turbo-Charging, indirect charge air cooling, petrol direct injection High Precision Injection (maximum injection pressure: 350 bar), VALVETRONIC fully variable valve control, double VANOS variable camshaft control system			
Capacity, effective	CC	4395			
Stroke/bore	mm	88.3 / 89.0			
Compression	:1	10.0			
Fuel	••	RON 98 (min. RON 91)			
Output	kW/hp	441/600			
at engine speed	rpm	5600 - 6700			
Torque	Nm	750			
at engine speed	rpm	1800 – 5600			
Electrical system					
Battery/installation	Ah / –	70 (Li-ion) / luggage space			
Driving dynamics and safet	ÿ				
Front wheel suspension	Adaptive M suspension with double wishbone front axle, aluminium light-weight construction, M specific kinematics and elastokinematics, Variable Damper Control				
Rear wheel suspension	Adaptive M suspension with five-link axle, aluminium light-weight construction, N specific elastokinematics, Variable Damper Control				
Brakes, front		M compound brakes, ventilated with six-piston fixed caliper			
Brakes, rear		M compound brakes, ventilated with one-piston floating caliper			
Driving stability systems	(Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), disengageable, Cornering Brake Control CBC, brake assistant DBC, brake dry function, Hill Start Control, Active M Differential, DSC linked up with M xDrive all-wheel drive			
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter, crash-active front headrests, crash sensors, tyre pressure display				
Steering		Electro-mechanical rack power steering (EPS) with M specific Servotronic function and variable sports ratio			
Overall steering ratio	:1	14.3			
Tyres, front/rear		275/40 ZR19 105Y XL 285/40 ZR19 107Y XL			
Wheel rims, front/rear		9.5J x 19 LM 10.5J x 19 LM			

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		BMW M5
Power transmission	1	
		Intelligent M xDrive all-wheel drive, central transfer box with fully variable multidisc clutch, fully variable torque distribution between front and Rear axle, rear axle bevel gears with fully variable active M differential, Locking effect 0 to 100 percent
Transmission		
		8-Speed M Steptronic transmission with Drivelogic, transmission oil coolin
Transmission type		
Gear ratio	 	:1 5.000 :1 3.200
	III IV	
		:1 1.720
	V	:1 1.313
	VI	:1 1.000
	VII	:1 0.823
	VIII	:1 0.640
	E	:1 3.478
Rear axle ratio		:1 3.154
Driving performance	e fiqures	
Weight-to-power ratio		a/kW 4.2
Power output per litre	<u>v</u>	kW/l 100.3
Acceleration 0-10	0 km/h	s 3.4
Acceleration 0-20	0 km/h	s 11.1
Top speed	k	(m/h 250 / 305 ²⁾
BMW EfficientDyna		Dealer and an another all star and brained and a star data of the Chart C
BMW EfficientDynami measures as standard		Brake energy recuperation, electro-mechanical power steering, Auto Start St function, shift point display in manual shift mode, BMW EfficientLightweigh needs-based control of ancillary components, Li-ion battery, map-controlled pump, rear axle differential and transfer gearbox with optimised efficiency optimised aerodynamic properties (underfloor trim, front spoiler, rear spoile
Fuel consumption in	n EU cycle	
with standard tyres		
Urban	I/100) km 14.7 – 14.5
Extra-urban	I/100) km 8.2 – 8.1
Total	I/100) km 10.6 – 10.5
CO ₂	G	g/km 241 – 238
Emission rating		Euro 6d-TEMP
Insurance rating		
3rd party/fully		20/29/30
comprehensive/3rd pa	rty fire +	20123130
theft	-	

¹⁾ Oil change volume with filter
 ²⁾ Limited / with optional M Driver's Package

Fuel consumption, CO₂ emission figures and power consumption were measured using the methods required according to Regulation (EC) 2007/715 as amended. The figures are calculated using a vehicle fitted with basic equipment in Germany, the ranges stated take into account differences in selected wheel and tyre sizes as well as the optional equipment. They may change during configuration.

The figures have already been calculated based on the new WLTP test cycle and adapted to NEDC for comparison purposes. In these vehicles, different figures than those published here may apply for the assessment of taxes and other vehicle-related duties which are (also) based on CO₂ emissions.

For further details of the official fuel consumption figures and official specific CO2emissions of new cars, please refer to the "Manual on fuel consumption, CO2 emissions and power consumption of new cars", available at sales outlets, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/ free of charge.

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BMW M5. M5 Compe	titi	on.
		BMW M5 Competition
Body		
Number of doors/seats		4/5
Length/width/height (empty)	mm	4966 / 1903 / 1469
Wheelbase	mm	2982
Track width, front/rear	mm	1625 / 1594
Ground clearance	111111	128
Turning circle	m	12.6
Fuel tank capacity	approx. I	68
Engine oil 1)		10.0
Unladen weight according to DIN/EU	kg	1865 / 1940
Payload according to DIN	kg	575
Permitted total weight	kg	2440
Permitted axle loads, front/rear	kg	1215/1260
Permitted trailer load	kg	
braked (12 %) / unbraked		2000 / 750
Permitted roof load/permitted download	kg	100 / 90
Luggage compartment capacity	I	530
Drag coefficient	c _X x A	0.758
Engline		
Engine		V/8/4
Type/no. of cylinders/valves Engine technology		M TwinPower Turbo Technology with cross-cylinder- TwinScroll Twin Turbo-Charging, indirect charge a injection High Precision Injection (maximum inject VALVETRONIC fully variable valve control, double V
Consolity offective		control system
Capacity, effective	CC	4395
Stroke/bore	mm	88.3 / 89.0
Compression Fuel	:1	10.0 BON 98 (min, BON 91)

i onniccou cotal troigne		2110			
Permitted axle loads, front/rear	kg	1215 / 1260			
Permitted trailer load	kg				
braked (12 %) / unbraked		2000 / 750			
Permitted roof load/permitted	kg	100 / 90			
download					
Luggage compartment	I	530			
capacity					
Drag coefficient	c _X x A	0.758			
Fu sin s					
Engine Type/no. of cylinders/valves		V/8/4			
Engine technology	N	TwinPower Turbo Technology with cross-cylinder-bank exhaust manifold: M			
Engine technology	IV	TwinPower Turbo Technology with cross-cylinder-bank exhaust manifold. In TwinScroll Twin Turbo-Charging, indirect charge air cooling, petrol direct			
		injection High Precision Injection (maximum injection pressure: 350 bar),			
		VALVETRONIC fully variable valve control, double VANOS variable camshaft			
		control system			
Capacity, effective		4395			
	CC	88.3 / 89.0			
Stroke/bore					
	:1	10.0 DON 00 (min DON 01)			
Fuel	1.1.4.//	RON 98 (min. RON 91)			
Output	kW/hp	460 / 625			
at engine speed	rpm	6000			
Torque	Nm	750			
at engine speed	rpm	1800 – 5800			
Electrical system					
Battery/installation	Ah / –	70 (Li-ion) / luggage space			
Driving dynamics and safety					
Front wheel suspension		daptive Misuspension with double wishbong front axle, aluminium light weight			
Torit wheel suspension	Adaptive M suspension with double wishbone front axle, aluminium light-weight				
	construction, M specific kinematics and elastokinematics, variable Damper Control				
Rear wheel suspension	٨	laptive M suspension with five-link axle, aluminium light-weight construction, M			
Real wheel suspension	AU	specific elastokinematics, Variable Damper Control			
Brakes, front		M compound brakes, ventilated with six-piston fixed caliper			
Brakes, rear					
,	M compound brakes, ventilated with one-piston floating caliper				
Driving stability systems		Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), disengageable,			
	Cornering Brake Control CBC, brake assistant DBC, brake dry function, Hill Start				
Safety equipment	C+	Control, Active M Differential, DSC linked up with M xDrive all-wheel drive andard: Airbags for driver and passenger, side airbags for driver and passenger			
	front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt				
	stopper at front, seat belt tensioner and seat belt force limiter, crash-active front				
	51	headrests, crash sensors, tyre pressure display			
Steering		Electro-mechanical rack power steering (EPS) with M specific Servotronic			
Steering					
Overall steering ratio	:1	function and variable sports ratio 14.3			
	1				
		275/35 ZR20 102Y XL			
Tyres, front/rear					
· ·		285/35 ZR20 104Y XL			
Tyres, front/rear Wheel rims, front/rear		285/35 ZR20 104Y XL 9.5J x 20 LM 10.5J x 20 LM			

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			BMW M5 Competition
D			
Power transm	ission		Intelligent MuDrive all wheel drive, control transfer hav with fully veriable
			Intelligent M xDrive all-wheel drive, central transfer box with fully variable multidisc clutch, fully variable torque distribution between front and
			Rear axle, rear axle bevel gears with fully variable active M differential,
			Locking effect 0 to 100 percent
			Locking effect o to 100 percent
Transmission			
Transmission ty	/pe		8-Speed M Steptronic transmission with Drivelogic, transmission oil cooling
Gear ratio		:1	5.000
		:1	3.200
		:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	E	:1	3.478
Rear axle ratio	L	:1	3.154
Weight-to-power output p	. ,	kg/kW kW/l	4.1 104.7
Acceleration	0-100 km/h	S	
Acceleration	0-200 km/h	S	10.8
Top speed		km/h	250 / 305 ²⁾
BMW Efficien	tDynamics		
BMW Efficient			Brake energy recuperation, electro-mechanical power steering, Auto Start Sto
measures as sta	,		function, shift point display in manual shift mode, BMW EfficientLightweight, needs-based control of ancillary components, Li-ion battery, map-controlled o pump, rear axle differential and transfer gearbox with optimised efficiency, optimised aerodynamic properties (underfloor trim, front spoiler, rear spoiler)
Fuel consump	tion in EU cycl	e	
with standard ty	res		
Urban		l/100 km	14.8 – 14.4
Extra-urban		l/100 km	8.1 – 8.1
Total		l/100 km	10.6 – 10.5
CO ₂		g/km	241 – 238
Emission rating		-	Euro 6d-TEMP
Insurance rati	na		
3rd party/fully	~		20/29/30

comprehensive/3rd party fire + theft

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

¹⁾ Oil change volume with filter
 ²⁾ Limited / with optional M Driver's Package

Fuel consumption, CO₂ emission figures and power consumption were measured using the methods required according to Regulation (EC) 2007/715 as amended. The figures are calculated using a vehicle fitted with basic equipment in Germany, the ranges stated take into account differences in selected wheel and tyre sizes as well as the optional equipment. They may change during configuration.

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