

Technical Specifications.

The all-new BMW M5.

M5		
Body		
No of doors/seats		4/5
Length/width/height (unladen)	in	195.5/74.9/58
Wheelbase	in	117.4
Track, front/rear	in	64/62.8
Ground clearance	in	5.2
Turning circle	ft	41.3
Fuel tank capacity	gal	20.1
Engine oil	l	10.0
US curb weight	lb	4370
Press Trunk volume (SAE)	ft ³	18.7
Air resistance	cd x A	0.758
Engine		
Config/No of cyls/valves		V/8/4
Engine technology	M TwinPower Turbo technology with cross-bank exhaust manifold, M TwinScroll Twin Turbo, indirect charge air cooling, High Precision Injection (max injection pressure 350 bar, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing	
Displacement	cc	4395
Stroke/bore	mm	88.3/89.0
Compression ratio	:1	10.0
Fuel		RON95 – RON98 (rec.)
Max output	hp@rpm	600@5700 – 6600
Max torque	lb-ft@rpm	553@1800 – 5700
Electrical System		
Battery/installation	Ah/–	70 (Li-ion)/Luggage compartment
Alternator	AW	249/3486

Driving Dynamics and Safety

Suspension, front		Adaptive M suspension with double wishbone axle in lightweight aluminum construction, M-specific kinematics and elastokinematics, Variable Damper Control (VDC)
Suspension, rear		Adaptive M suspension with five-link axle in lightweight aluminum construction, M-specific elastokinematics, Variable Damper Control (VDC)
Brakes, front		M compound brakes, vented, with 6-piston fixed calipers / 395 x 36 [mm]
Brakes, rear		M compound brakes, vented, 1-piston floating calipers / 380 x 28 [mm]
Driving stability systems		Standard: DSC incl. ABS, ASC and M Dynamic Mode (MDM), can be switched off, CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Start-Off Assistant, Active M Differential, DSC linked with M xDrive all-wheel drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter
Steering		Electric Power Steering (EPS) with M-specific Servotronic function
Steering ratio, overall	:1	14.3
Tires, front/rear		275/40 ZR 19 102Y 285/40 ZR 19 104Y
Rims, front/rear		9.5 J x 19 Light Alloy 10.5 J x 19 Light Alloy

Power Transfer

M xDrive intelligent all-wheel drive, central transfer case with fully-variable multiplate clutch, fully-variable torque distribution between front and rear axle, differential with fully-variable Active M Differential, locking effect 0 – 100 per cent

Transmission

Type of transmission		8-speed M Steptronic transmission with Drivelogic, transmission oil cooling
Gear ratios I	:1	5.000
II	:1	3.200
III	:1	2.143
IV	:1	1.720
V	:1	1.313
VI	:1	1.000
VII	:1	0.823
VIII	:1	0.640
R	:1	4.172
Final drive	:1	3.150

Performance

Acceleration 0–60 mph	s	3.2
Acceleration 0-124 mph	s	11.1
Top speed	mph	155/189 ²⁾

BMW EfficientDynamics

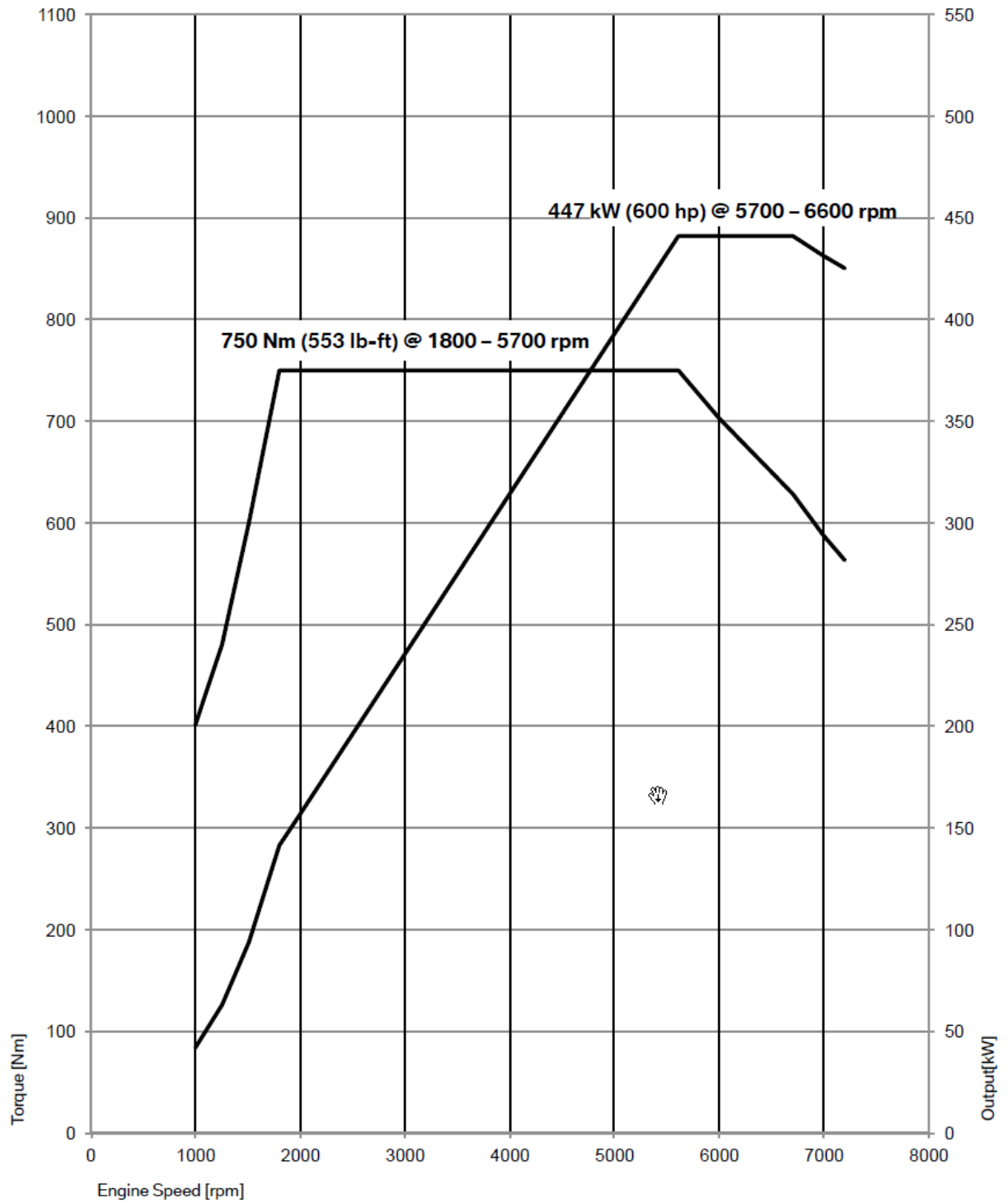
BMW EfficientDynamics standard features	Brake Energy Regeneration, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator in manual shift mode, intelligent lightweight design, on-demand operation of ancillary units, li-ion battery; map-regulated oil pump, differential with optimized warm-up behavior, aerodynamics (underside paneling, front spoiler, trunk lid with Gurney)
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¹⁾ Preliminary

²⁾ Electronically limited, with optional M Driver's Package

Output and torque diagram.

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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; Designworks, a strategic design consultancy based in California; a technology office in Silicon Valley 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 exclusive 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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