BMW Media Information

9/2012

Valid from 11/2012

Specifications. BMW 1 Series 5 Door Hatch.

M135i xDrive



		BMW M135i xDrive
Dody		
Body		r.I.
Number of doors/seats		5/:
Length/Width/Height 1) (unladen)	mm	4340 / 1765 / 141
Wheelbase	mm	269
Track front/rear	mm	1512 / 1532
Ground clearance	mm	130
Turning circle	m	11.3
Tank capacity	approx. I	52
Cooling system incl. heating	- 1	7.2
Engine oil ²⁾	I	6.5
Weight, unladen, to DIN/EU	kg	1520 <i>/</i> 1599
Max. load to DIN	kg	530
Max. perm. weight, overall	kg	2050
Max perm axle load front/rear	kg	1010 / 1110
Max perm trailer load (12%) braked/unbraked	kg	-/-
Perm roof load/trail download	kg	75.1-
Luggage capacity	- Ny	360 – 1200
Air resistance	c _X x A	0.34 x 2.14
UII 1691919106	UX X A	0.34 X Z. 14
Engine		
Configuration/No. of cyls. /valves		R/6/4
Engine technology		M TwinPower Turbo technology with Twin Scroll turbocharger, direct injection system High Precision Injection, fully variable valve control (VALVETRONIC) and double VANOS variable camshaft timing
Capacity	CC	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel grade		At least ROZ 9
	kW/hp	235 / 320
Max output at		5800
	rpm	
Max torque	Nm	450 1300 – 4500
<u>at</u>	rpm	1300 – 4300
Electrical system		
Battery/installation	Ah/-	80 / luggage comp
Alternator	A/W	170 / 2380
Aitemator	~~~	17072300
Driving dynamics and safety		
Suspension, front		Double-joint spring-strut axle, aluminium
		with M-specific geometry
Suspension, rear		Five-link rear axle, light steel, with double elastic bearings
Brakes, front		Four-piston aluminium floating-calliper
Diameter	mm	³⁾ / vented
Brakes, rear		Two-piston aluminium floating-calliper
Diameter	mm	³⁾ / vented
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system within the Integrated Chassis Management
Safety features		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 with belt latch tensioner and belt force limiter integrated in the front seats, crash sensors, Tyre Defect Indicator
Steering		Electric Power Steering (EPS), variable sports steering
Overall steering transmission	:1	14.6
Tyres front/rear		225/40 R18 88Y/ 245/35 R18 92Y XL
Wheels front/rear		7.5J x 18 LM

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Output per litre kW/I 78.9 Acceleration 0-100 km/h s 4.7 0-1000 m s 23.6 In 4th/5th gear 80-120 km/h s -1- Top speed km/h 250 BMW EfficientDynamics measures as standard Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban l/100 km 10.8 Extra-urban l/100 km 6.1 Composite l/100 km 7.8			BMW M135i xDrive
functions, Real Time Traffic Information, BMM TeleServices, integration of mobile devices Infotainment Optional: Internet access, BMM Online incl. Park Info, National Info, Google Local Search, News, Real-Time Weather, BMM Routes, Office functions, Bluetotch Audio Streaming, Online Update Music Tracks, Apps Optional: Adaptive Headlights with cornering lights, variable light distribution and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Active Cruise Control with braking function, Parking Assistant, Lane Departure Warning with rear-end collision warning, Speed Limit Info incl. No Passing Info, Automatic/Advanced Emergency Call Transmission Type eight-speed automatic with Steptronic Gear ratios I	BMW ConnectedDrive		
National Info, Google Local Search, News, Real-Time Weather, BMW Routes, Office functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps	Comfort		functions, Real Time Traffic Information, BMW TeleServices,
light distribution and adaptive headilight range control, High Beam Assistant, Park Distance Control, rear-view camera, Active Cruise Control with braking function, Parking Assistant, Lane Departure Warning with rear-end collision warning, Speed Limit Info incl. No Passing Info, Automatic/Advanced Emergency Call Transmission Type eight-speed automatic with Steptronic Gear ratios I 4.714 III :1 3.143 IIII :1 2.106 IV :1 1.285 IV :1 1.285 IV :1 1.285 IV :1 1.0867 IV :1 1.0839 IVII :1 1.0839 IVII :1 1.0839 IVII :1 1.0839 IVII :1 1.096 R :1 1.0867 R :1 1.0839 Final drive :1 1.096 Performance Power-to-weight ratio (DIN) kg/kW 6.5 Output per litre kW/I 78.99 Acceleration 0-100 km/h s 4.7 Acceleration 0-100 km/h s 4.7 Fop speed km/h 5.5 BMW EfficientDynamics measures as standard Shared	Înfotainment		National Info, Google Local Search, News, Real-Time Weather, BMW Routes, Office functions, Bluetooth Audio Streaming,
Type	Safety		light distribution and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Active Cruise Control with braking function, Parking Assistant, Lane Departure Warning with rear-end collision warning, Speed Limit Info incl. No Passing Info, Automatic/Advanced
Cear ratios	Transmission		
II	Type		eight-speed automatic with Steptronic
III	Gear ratios I		4.714
N		:1	3.143
V	III	:1	2.106
VI :1 1.000 0.839 0.839 VIII :1 0.667 R :1 0.667 R :1 3.295 Final drive :1 3.077 September Septemb	IV	:1	1.667
VII :1 0.839 VIII :1 0.667 R :1 3.295 Final drive :1 3.295 Final drive :1 3.077 Performance Power-to-weight ratio (DIN) kg/kW 6.5 Output per litre kW/l 78.9 Acceleration 0-100 km/h s 4.7 0-1000 m s 23.6 In 4 th /5 th gear 80-120 km/h s -/- Top speed km/h 250 BMW EfficientDynamics BMW EfficientDynamics Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban V/100 km 10.8 Extra-urban V/100 km 6.1 Composite V/100 km 7.8 CO ₂ g/km 182			
VIII :1 0.667 R			
R :1 3.295			
Final drive :1 3.077 Performance Power-to-weight ratio (DIN) kg/kW 6.5 Output per litre kW/l 78.9 Acceleration 0-100 km/h s 4.7 0-1000 m s 23.6 In 4 th /5 th gear 80-120 km/h s -/- Top speed km/h 250 BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics measures as standard Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban I/100 km 10.8 Extra-urban I/100 km 6.1 Composite I/100 km 7.8 CO ₂ g/km 182			
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Power-to-weight ratio (DIN) kg/kW 6.5 Output per litre kW/l 78.9 Acceleration 0–100 km/h s 4.7 0–1000 m s 23.6 In 4th/5th gear 80–120 km/h s -1/- Top speed km/h 250 BMW EfficientDynamics BMW EfficientDynamics measures as standard Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban l/100 km 10.8 Extra-urban l/100 km 6.1 Composite l/100 km 7.8 CO ₂ g/km 182	Final drive	:1	3.077
Output per litre kW/I 78.9 Acceleration 0-100 km/h s 4.7 0-1000 m s 23.6 In 4th/5th gear 80-120 km/h s -1 Top speed km/h 250 BMW EfficientDynamics measures as standard Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban 1/100 km 10.8 Extra-urban 1/100 km 6.1 Composite 1/100 km 7.8 CO2 g/km 182	Performance		
Acceleration 0–100 km/h s 4.7 0–1000 m s 23.6 In 4 th /5 th gear 80–120 km/h s -/- Top speed km/h 250 BMW EfficientDynamics BMW EfficientDynamics measures as standard Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban 1/100 km 10.8 Extra-urban 1/100 km 6.1 Composite 1/100 km 7.8 CO ₂ g/km 182	Power-to-weight ratio (DIN)	kg/kW	6.5
O-1000 m s 23.6 In 4 th /5 th gear 80-120 km/h s -/- Top speed km/h 250 BMW EfficientDynamics BMW EfficientDynamics measures as standard Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban 1/100 km 10.8 Extra-urban 1/100 km 6.1 Composite 1/100 km 7.8 CO ₂ g/km 182	Output per litre	kW/l	78.9
In 4 th /5 th gear 80–120 km/h s -/- Top speed km/h 250 BMW EfficientDynamics Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban V/100 km 10.8 Extra-urban V/100 km 6.1 Composite V/100 km 7.8 CO ₂ g/km 182		s S	4.7
Top speed km/h 250		S	
BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics measures as standard Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban			•
BMW EfficientDynamics measures as standard Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban	Top speed	km/h	250
Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised power divider Fuel consumption EU Urban /100 km 10.8 Extra-urban /100 km 6.1 Composite /100 km 7.8 CO ₂ g/km 182	BMW EfficientDynamics		
Urban I/100 km 10.8 Extra-urban I/100 km 6.1 Composite I/100 km 7.8 CO2 g/km 182			Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, final drive with optimised warm-up behaviour, weight and efficiency-optimised
Urban I/100 km 10.8 Extra-urban I/100 km 6.1 Composite I/100 km 7.8 CO2 g/km 182	Fuel consumption FII		
Extra-urban I/100 km 6.1 Composite I/100 km 7.8 CO2 g/km 182	-	I/100 km	10.8
Composite I/100 km 7.8 CO2 g/km 182	0.50		6.1
CO ₂ g/km 182			7.8
<u> </u>			182
		<u> </u>	

Technical data valid for ACEA markets/part of data relevant to homologation only apply to Germany (weights)

¹⁾ Height including roof fin: 1430 mm ²⁾ Oil change quantity ³⁾ Information not yet available