

BMW 5系 - 新型发动机。 目录。



1. BMW 5系。	
(前言)	2
2. BMW 5系：	
着重加大新车型在效率和 驾驶乐趣方面的优势。	
(详述)	2
3. 规格。	11

1. BMW 5系： (前言)



BMW 5系：BMW 双涡轮式涡轮增压技术带来更高的使用效率。

BMW 5

系列借助先进的发动机设备大大加强了其在设计、运动性、舒适性和效率方面的领导地位。中高级四门车中的高效典范：BMW 520d 高效动

力版。该车型搭载了一个 135 kW/184 马力的四缸柴油发动机，其在 EU 测试周期中百公里平均油耗仅为 4.5 L。采用 BMW

双涡轮式涡轮增压技术的新型四缸引擎补充了汽油和柴油发动机项目。凭借发动机罩下的八缸引擎

BMW 550i 旅行车现也已问鼎五门车身系列的车型。BMW

ConnectedDrive（联网驾驶）概念车上的一个新亮点是无钥匙便捷上车及启动系统选项的附加功能—无接触式开启后备箱盖或后车窗。

BMW 5系 Gran Turismo 将于 2011 年秋推出 M Sport 运动套件。此外，还为此车型配备了个性化的宝马程序新选项。



2. BMW 5 系： 着重加大新车型在效率和 驾驶乐趣方面的优势。 (详述)

用额外的高效驱动单元扩展发动机的供应范围，采用系列化的 BMW 高效动力措施并在特种装备中补充增益项目，都使得 BMW 5 系成为中高端市场中高效与驾驶乐趣的标杆。BMW 5 系四门车和 BMW 5 系旅行车自 2011 年秋起首次可以选择搭载两个采用了 BMW 双涡管式涡轮增压技术的新开发的四缸汽油发动机。此外，进一步增加柴油发动机与 BMW 双涡管式涡轮增压技术的组合。BMW 5 系旅行车车型中增添了配有 V8 发动机的新款顶级版 BMW 550i 旅行车。BMW 5 系列凭借驾驶乐趣与燃油消耗间的比例，继续扩大其在市场上的领先地位。BMW 520d 高效动力版具备绝对最佳的经济效益值。该四门车在 EU 测试周期中的平均油耗为每 100 公里 4.5 升，CO₂ 排放值为每公里 119 克。

BMW 5 系四门车和 BMW 5 系旅行车自 2011 年秋起在标准配备中添加驾驶体验开关，所有的四缸和六缸车型甚至允许激活 ECO PRO 节能模式。

此外，将来会为更多的车型系列提供自动启停功能。BMW ConnectedDrive 概念车的创新功能也属于新增特种装备项目，其中包括新一代 BMW 平视显示系统、实时路况信息以及后备箱盖或后窗玻璃的非接触式开启功能。

BMW 5 系在安全性上的示范作用体现在配备了新的主动保护功能。

此外还将于 2011 年秋首次推出专为 BMW 5 系 Gran Turismo 车型设计的 M 运动套件。并且还通过提供外车漆涂料、轻合金轮辋和 BMW 5 系 Gran Turismo 专属车内设备凸显新款 BMW 的个性化配置。

**采用了 BMW 双涡管式涡轮增压技术的
新型四缸汽油发动机。**

通过引入新一代的 BMW 双涡管式涡轮增压技术四缸发动机 BMW 5 系成为中上级别汽油发动机车型中效率和运动动力传输方面的翘楚。两个

2.0升发动机采用了全世界独一无二的技术套件, 包括一套根据双涡管式涡轮增压原理设计的增压系统、射流直接喷射系统、VALVETRONIC可变气门控制系统和双凸轮可变正时控制装置的可调式凸轮轴控制。该组合遵循了BMW 535i中著名的225 kW/306 马力BMW双涡管式涡轮增压技术直列六缸发动机的技术套件方案。借助此项技术BMW也有效的提高了四缸发动机的功率。增压系统上无论在排气歧管还是废气涡轮增压器中两缸的管道都是彼此分隔开的。该增压系统具有特别的快速反应特性。用电磁阀控制喷射装置直接喷射以保证剂量精确的燃油供应。在其最新版中, VALVETRONIC还能够提供更准确的气体流量控制。其协同进气和排气侧(双凸轮可变正时控制装置)的可调式凸轮轴控制装置一起优化发动机效率和反应特性。

新款BMW 520i的四缸发动机在发动机转速为 5000 min^{-1} 时, 可以产生的最大功率为135 kW/184 马力。最大扭矩为270 牛·米, 转速在 1250 和 4500 min^{-1} 之间。发动机的强劲动力使得BMW 520i四门车可以在7.9秒(自动挡: 8.0秒)内从零加速到100 km/h, 并使BMW 520i旅行车在8.3秒(自动挡: 8.4秒)完成标准冲刺。四门车最高车速为227 km/h(自动挡: 226 km/h), 而旅行车为220 km/h(手动和自动模式)。取得效率优势的同时, BMW 520i四门车每100公里的平均油耗为6.8到7.0升(自动挡: 6.4到6.7升), 每公里的CO₂排放值为157到163克(149到155克)。BMW 520i旅行车的上述值分别为每100公里7.0到7.3升(自动挡: 6.7到7.0升), 每公里的排放量为163到170克(156到163克)(数值来自EU测试周期, 取决于所选择的轮胎规格)。

专属的增压和喷射技术使新款BMW 528i的四缸发动机能够达到最大功率为180 kW/245 马力。提供 5000 到 6500 min^{-1} 的转速, 最大扭矩为350 牛·米且转速在 1250 到 4800 min^{-1} 间。从零加速到100 km/h时, 新款BMW 528i四门车需6.2秒(自动挡: 6.3秒), BMW 528i旅行车需6.4秒(自动挡: 6.6秒)。四门车的最高车速可达到250 km/h, 而旅行车车型为244 km/h(手动档和自动挡)。新款BMW 528i四门车的100公里平均油耗为6.8到7.1升(自动挡: 6.5到

6.8 升)，每公里的 CO₂ 排放值为 159 到 165 克（自动挡：152 到 158 克）。新款 BMW 528i 旅行车相应值分别为每 100 公里 7.1 到 7.4 升（自动挡：6.8 到 7.1 升）和每公里 165 到 172 克（自动挡：159 到 166 克）（该数值来自 EU 测试周期，取决于所选择的轮胎规格）。

BMW 520d 高效动力版：中高级四门车中唯一一个 CO₂ 排放量达到 119 克/公里的车型。

与 BMW 520d 同时于 2011 年秋推出一款更加注重经济性的四门车。BMW 520d 高效动力版在不改变发动机功率（135 kW/184 马力）和最大扭矩（380 牛·米）的情况下，在 EU 测试周期中的平均油耗为每 100 公里 4.5 升且 CO₂ 排放值为每公里 119 克。其在直接对比中有较高的发动机功率，但燃油使用量却比市场上同类低耗竞争对手低十个百分点。

并且此款 BMW 5 系中的最高效车型凭借 8.2 秒内从零加速到 100 km/h 的加速能力以及 231 km/h

的最高车速，体现了最具品牌代表性的运动驾驶性能。其效率优化的 2.0 升柴油发动机同众所周知的 BMW 520d

一样配备了离心力悬垂，其通过均衡不均匀运转状态为低转速时提供更多的舒适性，并结合了许多其他提高效率的措施。除了自动启停功能、换挡点指示器、刹车动能回馈装置和自动冷气翻盖外，BMW 520d

高效动力版还使用了较长的后桥传动比和特殊的流线型 Aero 轮辋。

BMW 5 系中的新柴油发动机：更高的牵引力和效率均得益于 BMW 双涡轮式涡轮增压技术。

随着更高的牵引力和更低的油耗值 BMW 5 系的其他柴油车型也在 BMW 高效动力方面有了进一步发展。自 2011 年秋起 BMW 525d 将搭载新型 BMW

双涡轮式涡轮增压技术四缸柴油发动机。2.0 升全铝制驱动装置配备有一个根据可调式双涡轮增压原理设计的多级增压器和一个压电式共轨直喷装置。由于使用了小型增压机的可变截面喷嘴涡轮机，其在快速反应特性和降低重量方面有突出表现。小型增压机是在发动机低转速时激活，而大型增压机适用于所有增压要求。

新款 BMW 525d 与以前的车型相比最大功率提升了 10 kW，当转速为 4400 min⁻¹ 时，达到 160 kW/218 马力。最大扭矩为 450 牛·米，转速在

1500 和 2500 min^{-1}

之间。以此获得灵敏性方面的优势并且冲刺能力得到进一步改善，四门车从零加速到 100 km/h 用时 7.0 秒，旅行车用时 7.2 秒。

新款 BMW 525d 四门车的最高车速为 243 km/h（自动档：239 km/h），新款 BMW 525d 旅行车为 236 km/h（自动档：233 km/h）。四门车每 100 公里的平均油耗为 5.0 到 5.3 升（自动档：4.8 到 5.0 升），旅行车车型为 5.3 到 5.5 升（自动档：5.1 到 5.4 升）比以前的车型低 20 个百分点。四门车每公里的 CO_2 排放值为 132 到 138 克（自动档：126 到 132 克），旅行车每公里为 138 到 145 克（自动档：135 到 142 克）（数值来自 EU 测试周期，取决于所选择的轮胎规格）。

BMW 5

系中具备更高功率和更低的油耗和排放值的双涡管式涡轮增压技术新直列六缸柴油发动机将于 2011 年秋正式启用。大范围的改进将新款

BMW 530d 中 3.0 升发动机在转速为 4000 min^{-1} 时的功率提升了 10 kW，达到 190 kW/258 马力。配有可变截面喷嘴涡轮增压系统和电磁式共轨直喷装置的传动系统的最大扭矩为

540 牛·米（连接自动变速箱：560 牛·米），转速介于 1500 和 3000 min^{-1} 间。

加速到 100 km/h BMW 530d 四门车现在只需

6.1 秒（自动档：6.0 秒）。BMW 530d 旅行车需要

6.2 秒（自动档：6.1 秒）。四门车的最高车速限制为 250 km/h，旅行车为

247 km/h（自动档：248 km/h）。在与以前的车型对比中平均油耗约下降

13 个百分点。现在四门车每 100 公里为 5.7 到 5.9 升（自动档：5.3 到

5.5 升），而旅行车为每 100 公里 5.9 到 6.2 升（自动档：5.5 到

5.8 升）。BMW 530d 四门车每公里的 CO_2 排放量为 149 到

155 克（自动档：139 到 145 克），BMW 530d 旅行车每公里为 155 到

162 克（自动档：145 到 152 克）（数值来自 EU

测试周期，取决于所选择的轮胎规格）。

即使是世界公认的运动型六缸柴油发动机也可以进一步提升功率和经济效益。

BMW 535d 中的新型

3.0 升驱动装置使用了根据可调式双涡轮增压原理设计的多级增压和压电式共轨直喷装置。以此在转速为 4400 min^{-1} 时达到最大功率

230 kW/313 马力，并在转速介于 1500 和 2500 min⁻¹ 间时，提供最大扭矩 630 牛顿米。优异的牵引力使得系列化配备八档自动变速箱的 BMW 535d 能够在 5.5 秒内从零加速到 100 km/h，四门车和旅行车车型分别达到对应值。两种车型的最高车速都限制为 250 km/h。同样给人留下深刻印象的还有，平均油耗降为 5.4 到 5.6 升（旅行车：5.6 到 5.9 升）且 CO₂ 排放量降到 142 到 148 克（148 到 155 克）每公里（该数值来自 EU 测试周期，取决于所选择的轮胎规格）。

BMW 5 系 四门车：世界性的成功车型 - 现在更具吸引力。

获得过各种荣誉。对比测试冠军以及质量、安全性和稳定性最高分得主都体现了 BMW 5

系四门车所取得的世界性成功以及其在国际汽车市场上不断增长的需求。凭借惊艳的设计、运动性和驾驶舒适性间的独特平衡关系以及大量创造性设备功能，使其在极短时间内迅速成为所在领域的国际市场领袖。随着新引擎的采用和配置细节的不断开发，更加提升了其多样性和吸引了。

于 2011 年秋 BMW 5

系四门车有五种汽油发动机和四种柴油发动机可供选择。发布的汽油发动机车型除了两个新型四缸车型外，还包括 BMW

530i，其是由一个配有射流直接喷射系统的，功率增加至 200 kW/272

马力的直列六缸发动机在稀薄混合气体运转驱动的，以及 BMW 535i 和带有 V8 引擎的旗舰版 BMW

550i。柴油发动机组合是由两个四缸发动机和两个六缸发动机组成。再次增加配备有全轮系统 xDrive 的车型的数量。智能四轮驱动将在

BMW 528i xDrive、BMW 535i xDrive、BMW 550i xDrive、

BMW 525d xDrive、BMW 530d xDrive 和 BMW 535d xDrive

中最大限度地保证动力性能、牵引性能和驾驶稳定性。

BMW 5 系旅行车：美学、动力性和多样化的完美结合。

BMW 5 系旅行车车型系列现在变得更加多样化。世界上驾驶乐趣、多样性与美学最具吸引力的结合也将于

2011 年秋发布九个发动机变形方案。作为最新的旗舰版车型 BMW 550i

旅行车配备有 BMW 双涡管式涡轮增压技术的 V8 发动机，最高功率可达

300 kW/407 马力且最大扭矩为 600 牛顿米。凭借 5.1 秒从零加速到 100 km/h 的冲刺能力 BMW 550i 旅行车一跃进入一流跑车行列。其 100 公里平均油耗为 10.7 升，CO₂ 排放量为 249 到 250 克/公里（该数值来自 EU 测试周期，取决于所选择的轮胎规格）。

BMW 5

系旅行车以其长途舒适性和多种用途的行李箱亦可作为一款理想的旅游车。通过使用行李箱的控制杆部分或完全折叠的后排座椅靠背，可使存放空间从 560 扩展到

1670 升。为了应对范围极为广泛的运输任务，提供了一个可选配的最大挂车负荷为两吨的挂车挂钩。为了更加凸显驾驶乐趣以及用作牵引车时的稳健性，还额外配备了智能四轮驱动 xDrive。电控拉力分配自 2011 年秋起用于 BMW 528i xDrive 旅行车、BMW 535i xDrive 旅行车、BMW 525d xDrive 旅行车、BMW 530d xDrive 旅行车和 BMW 535d xDrive 旅行车车型中。

使用自动启停功能和驾驶体验开关包括 **ECO PRO**

节能模式达到新的经济效益最佳值。

BMW 5 系四门车和 BMW 5 系旅行车将于 2011

年秋在标准装备中添加驾驶体验开关。通过中央控制台上的翘板按钮驾驶员可以影响油门进级、发动机反应特性、转向助力特性线和动态稳定控制系统 DSC 的灵敏度界限以及相应装备的自动变速箱的动态切换。在此可激活“COMFORT”、“SPORT”和“SPORT+”模式。对于所有四缸和六缸车型还可以使用 ECO PRO 节能模式。它支持低发动机转速时轻松、但省油的驾驶方式。

此外还为优化运行提供诸如座椅加热、车外后视镜加热和空气调节等电动便捷功能。前排座舱辅助显示器告知驾驶员 ECO PRO

节能模式中获得的作用距离增加程度（参见第 2.6 章：BMW 高效动力）。

自动启停功能也为效率优化作出了重要贡献，其将自 2011 年秋起配备在 BMW 5

系其他车型上。当汽车在十字路口或由于堵车中途停留时，该功能可自动关闭发动机，其不仅可用于手动档车辆还可用于带自动变速箱的车辆。

未来它将成为所有柴油发动机变式中以及 BMW 520i、BMW 528i 和 BMW 535i 车型中 BMW 高效动力技术套件的组成部件。在 BMW 535i

中自动启停功能在进一步提升驾驶性能的同时与优化后的驱动系组合最多能将油耗降低 9 个百分点。四门车和旅行车现在可在

5.8 秒（自动档：5.9 秒）从零加速到 100 km/h。BMW 535i 四门车的 100 公里平均油耗降到 8.1 到 8.3 升（自动档：7.6 到 7.9 升），其 CO₂ 排放量将为 188 到 194 克/公里（自动档：177 到 183 克）。BMW 535i 旅行车的 100 公里平均油耗现在为 8.2 到 8.5 升（自动档：7.7 到 8.0 升），CO₂ 排放量为 190 到 197 克/公里（自动档：179 到 186 克，该数值来自 EU 测试周期，取决于所选择的轮胎规格）。

BMW ConnectedDrive 新功能带来更高的安全性、舒适度和更多的娱乐享受。

在主动和被动安全领域 BMW 5 系亦起到市场领导作用。BMW 5 系四门车获得欧洲 NCAP、美国 NCAP 和澳洲 NCAP 碰撞测试的五星最高评级。2011

年秋将在安全设备中添加创新的主动保护系统。在有碰撞危险时，由中央安全电子装置控制的系统会自动的关闭侧窗玻璃，必要时也关闭活动天窗。此外，还将收紧前部座椅安全带，若车辆配备了舒适型座椅，座椅靠背会回到直立位置。主动保护通过这些措施有助于降低碰撞对乘客的伤害。

额外功能也会提升特种装备无钥匙便捷上车及起动系统的价值。无论对于四门车还是旅行车，非接触式开启后备箱盖都提高了装入行李箱时的便捷性。该项创新功能使得人们可通过车尾裙板下的定向脚部运动，触发后备箱盖自动打开（参见第 2.7 章：BMW ConnectedDrive）。在 BMW 5

系旅行车上根据车辆装备，要么是单独抬起后窗玻璃，要么是结合选配的电动开启和关闭功能抬起整个后备箱盖。

结合选配的 Professional 导航系统，BMW 5

系还可使用额外的实时路况信息功能。BMW ConnectedDrive

的此项补充功能为驾驶员提供了及时并准确的高速公路、城市道路和所选市级连接干道的交通信息（参见第 2.7 章：

BMW ConnectedDrive）。

另一个创新点是可选用的 BMW

平视显示系统，其注重并促进了行车安全。这套系统能够将重要的驾驶信息直接投射到驾驶员视野范围内的挡风玻璃上。BMW 5 系四门车和 BMW 5

系旅行车以及 BMW 5 系 GranTurismo 都将于 2011 年秋起配备新一代 BMW 平视显示系统，其首次使用全色谱来显示图标和图像，以此例如使交通标志更加真实。

通过用视觉和听觉信号发出严重警告来扩大可选项的人体识别夜视系统的功能范围。

BMW 5系 Gran Turismo : 超越以往的运动性和独特性。

多样化、乘坐舒适性和绝对的驾驶乐趣与 BMW 5系 Gran Turismo 以一种独特的方式融合在一起。现在于 2011 年秋首次推出的 M 运动套件更加强化了此类车型在运动性方面的特点。根据车型开发的空气动力学、底盘和内部装备组件不仅优化了运动行驶性能, 还完善了 BMW 5系 Gran Turismo 的动感十足的外观。M 运动套件的装备范围包括一个 M 空气动力学套件、一个带有深色镀铬排气管的排气装置、一个 M 运动型底盘包括汽车低悬挂和 19 英寸带有轮胎混装 V 型轮辐设计的 M 轻合金轮辋。还可选配 20 英寸带有轮胎混装双辐设计的 M 轻质合金轮辋。

车厢内部通过 BMW 550i Gran Turismo 上的织物/高级麂皮绒布或 Dakota 全皮跑车座椅、M 真皮方向盘、M 驾驶员搁脚踏板、门槛饰条、钶灰色装饰条和 BMW 个性化无烟煤色车顶衬营造 M 典型格调。结合 M 运动套件 BMW 5系 Gran Turismo 共有七种外漆可以选择, 其中包括 M 独有的碳黑金属色色号。

3. Specifications

BMW 5 Series Sedan.

520d, 525d

		BMW 520d	BMW 525d
Body			
No of doors/seats		4 / 5	4 / 5
Length/width/height ¹⁾ (unladen)	mm	4899 / 1860 / 1464	4899 / 1860 / 1464
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141
Turning circle	m	11.95	11.95
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	7.0	8.0
Engine oil ²⁾	ltr	5.2	5.2
Weight, unladen, to DIN/EU	kg	1620 / 1695 (1625 / 1700)	1645 / 1720 (1650 / 1725)
Max load to DIN	kg	610	610
Max permissible	kg	2230 (2235)	2255 (2260)
Max axle load, front/rear	kg	1060 / 1275	1100 / 1280
Max trailer load (12%), braked/unbraked	kg	2000 / 750	2000 / 750
Max roofload/max towbar dwl	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	520	520
Air resistance	Cd x A	0.28 x 2.35	0.28 x 2.35
Engine			
Config/No of cyls/valves		Straight-four / 4	Straight-four / 4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with piezo injectors (max. injection pressure: 1800 bar)	BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo), Common Rail direct injection with piezo injectors (max. injection pressure: 1800 bar)
Capacity, effective	cc	1995	1995
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel grade		Diesel	Diesel
Max output	kW/hp	135 / 184	160 / 218
at	rpm	4000	4400
Max torque	Nm	380	450
at	rpm	1750-2750	1500-2500
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520
Driving Dynamics and Safety			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure	
Diameter	mm	330 x 24 / inner-vented	348 x 30 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes	
Diameter	mm	330 x 20 / inner-vented	330 x 20 / inner-vented
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control	
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 belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	
Steering transmission, overall	:1	17.1	17.1
Tyres, front/rear		225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		BMW 520d	BMW 525d	
BMW ConnectedDrive				
Comfort	Opt: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals			
Infotainment	Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps			
Safety	Optional: Adaptive Headlights with Bending Lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, collision warning with brake activation function in combination with Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Active Protection, Automatic/Enhanced Emergency Call			
Transmission				
Type of gearbox	Six-speed manual (optional: eight-speed automatic with Steptronic)			
Gear ratios	I	:1	4.110 (4.714)	
	II	:1	2.248 (3.143)	
	III	:1	1.403 (2.106)	
	IV	:1	1.000 (1.667)	
	V	:1	0.802 (1.285)	
	VI	:1	0.659 (1.000)	
	VII	:1	– (0.839)	
	VIII	:1	– (0.667)	
	R	:1	3.727 (3.295)	
Final drive		:1	3.385 (2.929)	
Performance				
Power-to-weight ratio	kg/kW	12.0 (12.0)	10.3 (10.3)	
Output per litre	kW	67.7	80.2	
Acceleration	0–100 km/h	sec	8.1 (8.1)	
	Standing-start	sec	28.8 (28.8)	
	in 4th gear	80–120 km/h	sec	6.9 (–)
Top speed	km/h	227 (225)	243 (239)	
BMW EfficientDynamics				
BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, Auto Start Stop function, gearshift point indicator (on manual gearbox models), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced roll resistance			
Fuel consumption EU³⁾				
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)				
Urban	ltr/100 km	5.7 (5.7)	6.2 (5.6)	
Extra-urban	ltr/100 km	4.2 (4.1)	4.3 (4.3)	
Combined	ltr/100 km	4.8 (4.7)	5.0 (4.8)	
CO ₂	g/km	125 (123)	132 (126)	
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 931)				
Urban	ltr/100 km	5.8 (5.8)	6.4 (5.8)	
Extra-urban	ltr/100 km	4.3 (4.3)	4.5 (4.4)	
Combined	ltr/100 km	4.9 (4.8)	5.2 (4.9)	
CO ₂	g/km	128 (127)	136 (130)	
With 8J x 18 wheels at front, 9J x 18 at rear and 245/45 R18 tyres at front, 275/40 R18 at rear (2AH, 2DC, 2NC), With 8.5J x 19 wheels at front, 9J x 19 at rear and 245/40 R19 tyres at front, 275/35 R19 at rear (2K3, 2WC, 2MZ, 2ND), With 8.5J x 20 wheels at front, 9J x 20 at rear and 245/35 R20 tyres at front, 275/30 R20 at rear (2H9)				
Urban	ltr/100 km	5.9 (5.9)	6.6 (5.9)	
Extra-urban	ltr/100 km	4.4 (4.3)	4.5 (4.5)	
Combined	ltr/100 km	4.9 (4.9)	5.3 (5.0)	
CO ₂	g/km	130 (129)	138 (132)	
Emission rating		EU5	EU5	

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission models

¹⁾ Height with roof aerial: 1475 mm

²⁾ Oil change

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

BMW 5 Series Sedan.

520d EfficientDynamics Edition

BMW 520d EfficientDynamics Edition		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	4899 / 1860 / 1464
Wheelbase	mm	2968
Track, front/rear	mm	1600 / 1627
Ground clearance	mm	141
Turning circle	m	11.95
Tank capacity	app ltr	70
Cooling system incl heater	ltr	7.0
Engine oil ²⁾	ltr	5.2
Weight, unladen, to DIN/EU	kg	1620 / 1695
Max load to DIN	kg	610
Max permissible	kg	2230
Max axle load, front/rear	kg	1060 / 1275
Max trailer load (12%), braked/unbraked	kg	2000 / 750
Max roofload/max towbar dwl	kg	100 / 90
Luggage comp capacity	ltr	520
Air resistance	Cd x A	0.27 x 2.35
Engine		
Config/No of cyls/valves		Straight-four / 4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with piezo injectors (max. injection pressure: 1800 bar)
Capacity, effective	cc	1995
Stroke / bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel grade		Diesel
Max output	kW/hp	135 / 184
at	rpm	4000
Max torque	Nm	380
at	rpm	1750-2750
Electrical System		
Battery/installation	Ah/-	80 / luggage comp
Alternator	AW	180 / 2520
Driving Dynamics and Safety		
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure
Diameter	mm	330 x 24 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control
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 belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering
Steering transmission, overall	:1	17.1
Tyres, front/rear		225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy

BMW 520d EfficientDynamics Edition

BMW ConnectedDrive

Comfort	Opt: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals
Infotainment	Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps
Safety	Optional: Adaptive Headlights with Bending Lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Active Protection, Automatic/Enhanced Emergency Call

Transmission

Type of gearbox	Six-speed manual		
Gear ratios	I	:1	4.110
	II	:1	2.248
	III	:1	1.403
	IV	:1	1.000
	V	:1	0.802
	VI	:1	0.659
	R	:1	3.727
Final drive		:1	3.077

Performance

Power-to-weight ratio	kg/kW	12.0
Output per litre	kW	67.7
Acceleration 0-100 km/h	sec	8.2
Standing-start	sec	28.8
in 4th gear 80-120 km/h	sec	7.5
Top speed	km/h	231

BMW EfficientDynamics

BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, Auto Start Stop function, gearshift point indicator (on manual gearbox models), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), detachable a/c compressor, optimized aerodynamics, optimized final drive, tyres with reduced roll resistance
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Fuel consumption EU

Urban	ltr/100 km	5.6
Extra-urban	ltr/100 km	3.9
Combined	ltr/100 km	4.5
CO ₂	g/km	119
Emission rating		EU5

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission models

¹⁾ Height with roof aerial: 1475 mm
²⁾ Oil change

BMW 5 Series Sedan.

520i, 528i

		BMW 520i	BMW 528i
Body			
No of doors/seats		4 / 5	4 / 5
Length/width/height ¹⁾ (unladen)	mm	4899 / 1860 / 1464	4899 / 1860 / 1464
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141
Turning circle	m	11.95	11.95
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	9.1 (9.9)	9.1 (9.9)
Engine oil ²⁾	ltr	5.75	5.75
Weight, unladen, to DIN/EU	kg	1595 / 1670 (1610 / 1685)	1610 / 1685 (1620 / 1695)
Max load to DIN	kg	610	610
Max permissible	kg	2205 (2220)	2220 (2230)
Max axle load, front/rear	kg	1070 / 1280	1070 / 1280
Max trailer load (12%), braked/unbraked	kg	1900 (2000) / 750	2000 / 750
Max roofload/max towbar dwl	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	520	520
Air resistance	Cd x A	0.29 x 2.35	0.29 x 2.35
Engine			
Config/No of cyls/valves		Straight-four / 4	Straight-four / 4
Engine technology		BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)	BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)
Capacity, effective	cc	1997	1997
Stroke / bore	mm	90.1 / 84.0	90.1 / 84.0
Compression ratio	:1	11.0	10.3
Fuel grade		at least RON 91	at least RON 91
Max output	kW/hp	135 / 184	180 / 245
at	rpm	5000-6250	5000-6500
Max torque	Nm	270	350
at	rpm	1250-4500	1250-4800
Electrical System			
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	170 / 2380	170 / 2380
Driving Dynamics and Safety			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation	
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure	
Diameter	mm	330 x 24 / inner-vented	348 x 30 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes	
Diameter	mm	330 x 20 / inner-vented	330 x 20 / inner-vented
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control	
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 belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	
Steering transmission, overall	:1	17.1	17.1
Tyres, front/rear		225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

		BMW 520i	BMW 528i	
BMW ConnectedDrive				
Comfort	Opt: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals			
Infotainment	Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps			
Safety	Optional: Adaptive Headlights with Bending Lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, collision warning with brake activation function in combination with Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Active Protection, Automatic/Enhanced Emergency Call			
Transmission				
Type of gearbox	Six-speed manual (optional: eight-speed automatic with Steptronic)			
Gear ratios	I	:1	3.683 (4.714)	
	II	:1	2.062 (3.143)	
	III	:1	1.313 (2.106)	
	IV	:1	1.000 (1.667)	
	V	:1	0.809 (1.285)	
	VI	:1	0.677 (1.000)	
	VII	:1	– (0.839)	
	VIII	:1	– (0.667)	
	R	:1	3.348 (3.295)	
Final drive		:1	3.909 (3.231)	
Performance				
Power-to-weight ratio	kg/kW	11.8 (11.9)	8.9 (9.0)	
Output per litre	kW	67.6	90.1	
Acceleration	0–100 km/h	sec	7.9 (8.0)	
	Standing-start	sec	29.1 (29.2)	
	in 4th gear	80–120 km/h	sec	7.5 (–)
Top speed	km/h	227 (226)	250 (250)	
BMW EfficientDynamics				
BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, Auto Start Stop function, gearshift point indicator (on manual gearbox models), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), map-controlled oil pump, detachable a/c compressor, tyres with reduced roll resistance			
Fuel consumption EU³⁾				
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)				
Urban	ltr/100 km	8.9 (8.3)	9.1 (8.6)	
Extra-urban	ltr/100 km	5.5 (5.3)	5.5 (5.3)	
Combined	ltr/100 km	6.8 (6.4)	6.8 (6.5)	
CO ₂	g/km	157 (149)	159 (152)	
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 931)				
Urban	ltr/100 km	9.1 (8.5)	9.3 (8.8)	
Extra-urban	ltr/100 km	5.6 (5.4)	5.7 (5.5)	
Combined	ltr/100 km	6.9 (6.6)	7.0 (6.7)	
CO ₂	g/km	161 (153)	163 (156)	
With 8J x 18 wheels at front, 9J x 18 at rear and 245/45 R18 tyres at front, 275/40 R18 at rear (2AH, 2DC, 2NC), With 8.5J x 19 wheels at front, 9J x 19 at rear and 245/40 R19 tyres at front, 275/35 R19 at rear (2K3, 2WC, 2MZ, 2ND), With 8.5J x 20 wheels at front, 9J x 20 at rear and 245/35 R20 tyres at front, 275/30 R20 at rear (2H9)				
Urban	ltr/100 km	9.2 (8.6)	9.4 (8.9)	
Extra-urban	ltr/100 km	5.7 (5.5)	5.8 (5.5)	
Combined	ltr/100 km	7.0 (6.7)	7.1 (6.8)	
CO ₂	g/km	163 (155)	165 (158)	
Emission rating		EU5	EU5	

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission models

¹⁾ Height with roof aerial: 1475 mm

²⁾ Oil change

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

BMW 5 Series Touring.

520d, 525d

	BMW 520d Touring		BMW 525d Touring	
Body				
No of doors/seats		5 / 5		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462		4907 / 1860 / 1462
Wheelbase	mm	2968		2968
Track, front/rear	mm	1600 / 1626		1600 / 1626
Ground clearance	mm	141		141
Turning circle	m	11.95		11.95
Tank capacity	app ltr	70		70
Cooling system incl heater	ltr	7.0		9.0
Engine oil ²⁾	ltr	5.2		5.2
Weight, unladen, to DIN/EU	kg	1710 / 1785 (1715 / 1790)		1745 / 1820 (1750 / 1825)
Max load to DIN	kg	650		650
Max permissible	kg	2360 (2365)		2395 (2400)
Max axle load, front/rear	kg	1060 / 1400		1100 / 1410
Max trailer load (12%), braked/unbraked	kg	2000 / 750		2000 / 750
Max roofload/max towbar downl	kg	100 / 90		100 / 90
Luggage comp capacity	ltr	560-1670		560-1670
Air resistance	Cd x A	0.31 x 2.35		0.31 x 2.35
Engine				
Config/No of cyls/valves		Straight-four / 4		Straight-four / 4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with piezo injectors (max. injection pressure: 1800 bar)		BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo), Common Rail direct injection with piezo injectors (max. injection pressure: 1800 bar)
Capacity, effective	cc	1995		1995
Stroke / bore	mm	90.0 / 84.0		90.0 / 84.0
Compression ratio	:1	16.5		16.5
Fuel grade		Diesel		Diesel
Max output	kW/hp	135 / 184		160 / 218
at	rpm	4000		4400
Max torque	Nm	380		450
at	rpm	1750-2750		1500-2500
Electrical System				
Battery/installation	Ah/-	90 / luggage comp		90 / luggage comp
Alternator	A/W	180 / 2520		180 / 2520
Driving Dynamics and Safety				
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive		
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling		
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure		
Diameter	mm	330 x 24 / inner-vented		348 x 30 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes		
Diameter	mm	330 x 20 / inner-vented		330 x 20 / inner-vented
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control		
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 belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator		
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering		
Steering transmission, overall	:1	17.1		17.1
Tyres, front/rear		225/55 R17 97W		225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy		8J x 17 light-alloy

		BMW 520d Touring		BMW 525d Touring	
BMW ConnectedDrive					
Comfort	Opt: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals				
Infotainment	Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps				
Safety	Optional: Adaptive Headlights with Bending Lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, collision warning with brake activation function in combination with Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Active Protection, Automatic/Enhanced Emergency Call				
Transmission					
Type of gearbox	Six-speed manual (optional: eight-speed automatic with Steptronic)				
Gear ratios	I	:1	4.110 (4.714)	4.110 (4.714)	
	II	:1	2.248 (3.143)	2.248 (3.143)	
	III	:1	1.403 (2.106)	1.403 (2.106)	
	IV	:1	1.000 (1.667)	1.000 (1.667)	
	V	:1	0.802 (1.285)	0.802 (1.285)	
	VI	:1	0.659 (1.000)	0.659 (1.000)	
	VII	:1	– (0.839)	– (0.839)	
	VIII	:1	– (0.667)	– (0.667)	
	R	:1	3.727 (3.295)	3.727 (3.295)	
Final drive		:1	3.462 (3.077)	3.462 (2.929)	
Performance					
Power-to-weight ratio	kg/kW		12.7 (12.7)	10.9 (10.9)	
Output per litre	kW		67.7	80.2	
Acceleration	0–100 km/h	sec	8.3 (8.3)	7.2 (7.2)	
	Standing-start	sec	29.3 (29.4)	27.9 (27.9)	
	in 4th gear	80–120 km/h	sec	7.1 (–)	6.1 (–)
Top speed	km/h		222 (220)	236 (233)	
BMW EfficientDynamics					
BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, Auto Start Stop function, gearshift point indicator (on manual gearbox models), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced roll resistance				
Fuel consumption EU³⁾					
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)					
Urban	ltr/100 km		5.9 (5.9)	6.6 (6.0)	
Extra-urban	ltr/100 km		4.4 (4.3)	4.5 (4.6)	
Combined	ltr/100 km		4.9 (4.9)	5.3 (5.1)	
CO ₂	g/km		130 (129)	138 (135)	
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 2DD, 2AK, 2NA, 931)					
Urban	ltr/100 km		6.0 (6.1)	6.7 (6.2)	
Extra-urban	ltr/100 km		4.5 (4.4)	4.6 (4.7)	
Combined	ltr/100 km		5.1 (5.1)	5.4 (5.3)	
CO ₂	g/km		134 (133)	142 (139)	
With 8,5J x 19 wheels and 245/40 R19 tyres (2K4, 2WD, 2M3, 2NB)					
Urban	ltr/100 km		6.2 (6.3)	6.9 (6.3)	
Extra-urban	ltr/100 km		4.6 (4.5)	4.7 (4.8)	
Combined	ltr/100 km		5.2 (5.2)	5.5 (5.4)	
CO ₂	g/km		137 (136)	145 (142)	
Emission rating			EU5	EU5	

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission models

¹⁾ Height with roof aerial: 1488 mm

²⁾ Oil change

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

BMW 5 Series Touring.

520i, 528i

	BMW 520i Touring		BMW 528i Touring	
Body				
No of doors/seats		5 / 5		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462		4907 / 1860 / 1462
Wheelbase	mm	2968		2968
Track, front/rear	mm	1600 / 1626		1600 / 1626
Ground clearance	mm	141		141
Turning circle	m	11.95		11.95
Tank capacity	app ltr	70		70
Cooling system incl heater	ltr	9.1 (9.9)		9.1 (9.9)
Engine oil ²⁾	ltr	5.75		5.75
Weight, unladen, to DIN/EU	kg	1705 / 1780 (1715 / 1790)		1715 / 1790 (1725 / 1800)
Max load to DIN	kg	640		640
Max permissible	kg	2345 (2355)		2355 (2365)
Max axle load, front/rear	kg	1070 / 1410		1070 / 1410
Max trailer load (12%), braked/unbraked	kg	1900 (2000) / 750		2000 / 750
Max roofload/max towbar downl	kg	100 / 90		100 / 90
Luggage comp capacity	ltr	560-1670		560-1670
Air resistance	Cd x A	0.32 x 2.35		0.32 x 2.35
Engine				
Config/No of cyls/valves		Straight-four / 4		Straight-four / 4
Engine technology		BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)		BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)
Capacity, effective	cc	1997		1997
Stroke / bore	mm	90.1 / 84.0		90.1 / 84.0
Compression ratio	:1	11.0		10.3
Fuel grade		at least RON 91		at least RON 91
Max output	kW/hp	135 / 184		180 / 245
at	rpm	5000-6250		5000-6500
Max torque	Nm	270		350
at	rpm	1250-4500		1250-4800
Electrical System				
Battery/installation	Ah/-	90 / luggage comp		90 / luggage comp
Alternator	A/W	170 / 2380		170 / 2380
Driving Dynamics and Safety				
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive		
Suspension, rear		Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling		
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure		
Diameter	mm	330 x 24 / inner-vented		348 x 30 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes		
Diameter	mm	330 x 20 / inner-vented		330 x 20 / inner-vented
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control		
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 belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator		
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering		
Steering transmission, overall	:1	17.1		17.1
Tyres, front/rear		225/55 R17 97W		225/55 R17 97Y
Rims, front/rear		8J x 17 light-alloy		8J x 17 light-alloy

		BMW 520i Touring		BMW 528i Touring
BMW ConnectedDrive				
Comfort	Opt: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals			
Infotainment	Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps			
Safety	Optional: Adaptive Headlights with Bending Lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, collision warning with brake activation function in combination with Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Active Protection, Automatic/Enhanced Emergency Call			
Transmission				
Type of gearbox	Six-speed manual (optional: eight-speed automatic with Steptronic)			
Gear ratios	I	:1	3.683 (4.714)	3.683 (4.714)
	II	:1	2.062 (3.143)	2.062 (3.143)
	III	:1	1.313 (2.106)	1.313 (2.106)
	IV	:1	1.000 (1.667)	1.000 (1.667)
	V	:1	0.809 (1.285)	0.809 (1.285)
	VI	:1	0.677 (1.000)	0.677 (1.000)
	VII	:1	– (0.839)	– (0.839)
	VIII	:1	– (0.667)	– (0.667)
	R	:1	3.348 (3.295)	3.348 (3.295)
Final drive		:1	3.909 (3.231)	3.909 (3.231)
Performance				
Power-to-weight ratio	kg/kW		12.6 (12.7)	9.5 (9.6)
Output per litre	kW		67.6	90.1
Acceleration	0–100 km/h	sec	8.3 (8.4)	6.4 (6.6)
	Standing-start	sec	29.6 (29.7)	26.5 (26.6)
	in 4th gear	80–120 km/h	sec	6.7 (–)
Top speed	km/h		220 (220)	244 (244)
BMW EfficientDynamics				
BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, Auto Start Stop function, gearshift point indicator (on manual gearbox models), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), map-controlled oil pump, detachable a/c compressor, tyres with reduced roll resistance			
Fuel consumption EU³⁾				
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)				
Urban	ltr/100 km		9.2 (8.7)	9.4 (9.0)
Extra-urban	ltr/100 km		5.7 (5.5)	5.8 (5.5)
Combined	ltr/100 km		7.0 (6.7)	7.1 (6.8)
CO ₂	g/km		163 (156)	165 (159)
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 2DD, 2AK, 2NA, 931)				
Urban	ltr/100 km		9.4 (8.9)	9.6 (9.2)
Extra-urban	ltr/100 km		5.9 (5.7)	5.9 (5.7)
Combined	ltr/100 km		7.2 (6.9)	7.3 (7.0)
CO ₂	g/km		167 (160)	169 (163)
With 8,5J x 19 wheels and 245/40 R19 tyres (2K4, 2WD, 2M3, 2NB)				
Urban	ltr/100 km		9.6 (9.1)	9.7 (9.4)
Extra-urban	ltr/100 km		6.0 (5.8)	6.0 (5.8)
Combined	ltr/100 km		7.3 (7.0)	7.4 (7.1)
CO ₂	g/km		170 (163)	172 (166)
Emission rating			EU5	EU5

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission models

¹⁾ Height with roof aerial: 1488 mm

²⁾ Oil change

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format