

Media Information

March 19, 2015

**Setting the pace, showing the way:
The new BMW 520d Luxury extends its lead in efficiency
in the executive class.**

The new generation of four-cylinder diesel engines with BMW TwinPower Turbo technology increases driving pleasure and fuel efficiency.

Jakarta. It may not be its only strength – far from it – but outstanding efficiency is undoubtedly a BMW 5 Series specialty. Indeed, the model series' achievements in this area have played a major role in securing its global bestselling status at the premium end of the executive class. And now the BMW 5 Series has set about extending its lead in the efficiency stakes once again.

“Since its first introduction, the BMW 5 Series has been recognized globally for its top quality in numerous aspects, from its powerful engine to its good looks and the overall safety it offers. On top of this, the BMW 5 Series has a greater resale value than other premium vehicles in the segment,” said Karen Lim, President Director BMW Group Indonesia. “The introduction of a new generation of four-cylinder diesel engines further improves on what was already an exceptional balance between performance and fuel economy,” added Karen.

BMW TwinPower Turbo Diesel engine technology boosts the maximum output of the new BMW 520d Luxury from 184 hp to 190 hp. At the same time, fuel consumption and CO2 emissions in the EU test cycle have been reduced, the latter by as much as 10 grams per kilometer. As such, the new BMW 520d Luxury burns just 24 km/liter with CO2 emissions of 109 g/km, according to the EU test cycle.

The current (sixth) generation of the BMW 5 Series has set the pace in its class in terms of economy and driving pleasure from day one, thanks to the extensive use of BMW EfficientDynamics innovations, such as BMW TwinPower Turbo technology, the eight-speed Steptronic transmission, Electric Power Steering, Brake Energy Regeneration and numerous

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other measures. The exemplary levels of efficiency achieved as a result underline the trailblazing character of the BMW 5 Series, as do its elegantly sporty design defined by harmoniously flowing lines, the modern functionality of the interior – with innovative display and control elements – plus driver assistance systems from BMW ConnectedDrive, as well as its superior chassis technology. Additional innovations like ECO PRO mode and the Auto Start Stop function (also available with the automatic transmission) are now likewise fuelling the BMW 5 Series' commitment to building on its leading position.

New generation of engine generation, new benchmark in efficiency.

The introduction of the new four-cylinder diesel engines represents the next stage in an ongoing process. Both units are members of the BMW Group's new modular engine family and offer top-level BMW TwinPower Turbo technology. They feature an aluminum crankcase with thermally-joined cylinder liners (to reduce internal friction) and integrated balancer shafts, turbochargers with variable intake geometry and optimized efficiency, and further developed common rail direct injection systems. The extra output, added instantaneous power delivery and high-revving character that these features provide go hand in hand with both greater fuel economy and a reduction in weight - of around two kilograms over the outgoing engines. In addition, fresh advances have been made in the area of acoustic comfort.

The effectiveness of the turbochargers has been enhanced by a new roller bearing as well as extremely effective and need-based exhaust gas recirculation. The newly designed heat exchangers for the exhaust gas flow have a compact construction and optimized cooling performance, which leads to an effective reduction in maximum combustion temperatures. Another special feature is the vacuum-operated bypass valve, which allows a higher proportion of uncooled exhaust gas to be fed into the engine while it is warming up, for example.

The common rail direct injection system's new solenoid valve injectors ensure the engine uses even more precise quantities of fuel. They now allow increased injection pressure of up to 2,000 bar, which paves the way for extremely economical and, at the same time, clean combustion.

Furthermore, the thermodynamic efficiency around the core engine has been optimized, as have the starting characteristics of the diesel engines with the Auto Start Stop function. The new four-cylinder diesel engines are also equipped with map-controlled oil pumps. The new fully variable vane-type pumps enable continuously adjustable control of the volume flow, and therefore the oil pressure, in response to the operating status of the engine at any given time. The result is a significant reduction in the energy required by the oil pumps which – as with all the need-based ancillary components – means a greater proportion of the engine's output is available to drive the vehicle.

More driving pleasure, lower fuel consumption

The sedan's new four-cylinder diesel engines generate their respective maximum outputs of 190 hp at 4,000 rpm, and their peak torque of 400 Nm (previously 380 Nm) is on tap between 1,750 and 2,500 rpm. The increase in output and torque has a noticeable effect on the sporty driving sensations of the new BMW 520d Luxury. It enjoys 0.2 seconds shaved off its predecessor's sprint, accelerating from 0 to 100 km/h in only 7.7 seconds. It also saves up to 0.4 liters of fuel per 100 kilometers.

Further development of the eight-speed Steptronic transmission for improved efficiency, raised comfort levels and enhanced dynamics.

Another prominent theme of the new diesel-engine BMW 5 Series variant is the positive influence of the eight-speed Steptronic transmission on performance and fuel economy. The latest update of this automatic transmission has been precisely tuned to the performance characteristics of the new-generation power units. Further improvements to internal efficiency and longer gear ratios open up additional efficiency potential. An rpm-linked vibration damper with engine specific tuning allows economical driving at low revs to be combined with increased driving and acoustic comfort. In addition, converter slip during gear changes has been further reduced.

This latest round of engine updates sees the BMW 5 Series underlining once again its status as a fertile breeding ground for innovation in the brand's model range. The latest advances made under the banner of BMW EfficientDynamics – such as the ongoing process of optimization in the areas of comfort-enhancing equipment, functionality and intelligent connectivity courtesy of driver assistance systems and mobility services from BMW

ConnectedDrive – help ensure that the BMW 5 Series represents the leading edge of technology. The new BMW 520d Luxury is equipped with the integrated Navigation system Professional, iDrive Touch controller, BMW HiFi loudspeaker system (205 Watt) and 20 GB memory for music collection storage, as well as audio control by remote control for the rear passengers.

Underlining the comfort-enhancing equipment, the new BMW 520d Luxury comes standard with ‘Dakota’ leather upholstery, rear comfort seats, ambient light and electric glass roof

The BMW 5 Series has once again laid the ideal foundations for increasing its popularity even further and extending its leadership in the global market at the premium end of the executive class well into the future. This approach has enabled the current model to become yet another leading light in the successful history of the BMW 5 Series.

Pricing, BMW Financing Promos and BMW Service Inclusive.

The new BMW 520d Luxury with AdvancedDiesel engine is offered at a price of Rp. 899,000,000 off-the-road, and comes with BMW Service Inclusive, which includes free-of-charge regular maintenance for 5 years or 60,000 km, whichever comes first, as well as a 36-month warranty without mileage limitations.

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The BMW Group

With its three brands BMW, MINI and Rolls-Royce, the BMW Group is the world’s leading premium manufacturer of automobiles and motorcycles and also provides premium financial and mobility services. As a global company, the BMW Group operates 30 production and assembly facilities in 14 countries and has a global sales network in more than 140 countries.

In 2014, the BMW Group sold approximately 2.118 million cars and 123,000 motorcycles worldwide. The profit before tax for the financial year 2014 was approximately € 8.71 billion on revenues amounting to € 80.40 billion. As of 31 December 2014, the BMW Group had a workforce of 116,324 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company has therefore established ecological and social sustainability throughout the value chain, comprehensive product responsibility and a clear commitment to conserving resources as an integral part of its strategy.

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