



The ultimate in sports compact cars

Press Information

July 1, 2013

Launch of the A 45 AMG 4MATIC

- **World's most powerful four-cylinder turbo engine (360 hp) in series-production**
- **Latest AMG technology delivers outstanding driving performance**
- **First AMG model in the compact class appealing to new customers**

Mercedes-Benz Japan Co., Ltd. (President: Kintaro Ueno; Head office: Minato-ku, Tokyo) launches the high-performance version of the A-Class, a new-generation sports compact car from Mercedes-Benz. Beginning today, the "A 45 AMG 4MATIC" is available through the nationwide network of authorized Mercedes-Benz dealerships.

The first high-performance model ever to be available in the A-Class embodies the AMG brand claim "Driving Performance" to perfection. It is powered by the newly developed AMG 2.0-liter four-cylinder inline turbo engine with direct injection delivering a peak output of 360 hp. The powerplant is combined with AMG 4MATIC featuring variable torque split to ensure sheer dynamism. With its mind-blowing performance and attractive price, the new AMG A-Class appeals not only to existing customers of AMG cars, but to younger drivers as well. With the launch of the A 45 AMG 4MATIC, the remodeled official AMG website (www.mercedes-amg.jp) is open today.

Highlights of the new A 45 AMG 4MATIC

- The newly developed AMG 2.0-liter four-cylinder inline turbo engine with direct injection is the world's most powerful series production four-cylinder turbo engine with a peak output of 360 hp / 265 kW and a maximum torque of 450 Nm.
- The AMG 4MATIC system featuring variable torque split reliably transmits engine power to the road surface. Three-stage ESP[®] with Curve Dynamic Assist is equipped.
- State-of-the-art AMG features include the redesigned AMG SPEEDSHIFT DCT, AMG sports suspension, and AMG performance exhaust system.
- The specially designed radiator grille, black flics, side skirts, and rear bumper emphasize the sporty and dynamic exterior design.
- The exclusive and sporty interior features an AMG E-SELECT lever and AMG instrument panel.
- Special options such as the AMG Advanced package and AMG Carbon-fiber package underline the distinctive individuality of the AMG A-Class even further.

Owners of the new A 45 AMG 4MATIC enjoy the benefits of Mercedes Care, the Page 2 comprehensive warranty system that provides 24-hour touring support as well as general warranty (free repairs of failures) and free maintenance for three years from new-car purchase with unlimited mileage. Also available is “Warranty PLUS,” under which the period of general warranty and 24-hour touring support available under the Mercedes Care program can be extended by up to two years for a fee.

The nationwide retail price (including consumption tax) of the A 45 AMG 4MATIC:

Model name	Steering	Suggested nationwide retail price (): basic vehicle price without consumption tax
A 45 AMG 4MATIC	RHD	¥6,400,000 (¥6,095,239)

* Note: The price indicated above does not include accessories, taxes (other than consumption tax), insurance premiums, and registration expenses. The customer must separately pay a recycling fee required by the Automobile Recycling Law.



World's most powerful four-cylinder turbo engine in series-production

With a high charge pressure of up to 1.8 bar, the newly developed AMG 2.0-liter four-cylinder inline turbo engine with direct injection is the world's most powerful series-production four-cylinder turbo engine, delivering a peak output of 265 kW/360 hp and a maximum torque of 450 Nm. The power density of 133 kW/181 hp is also absolutely unrivaled. In this category, the new AMG high-performance turbo engine even outstrips the most powerful super sports cars. Thanks to this performance, the first AMG A-Class offers overwhelming driving dynamics: it accelerates from zero to 100 km/h in just 4.6 seconds. In addition to its outstanding power, this engine fitted with a new crankcase, forged pistons and crankshaft, features spray-guided direct gasoline injection with piezo injectors and multi-spark ignition to reduce fuel consumption. The use of a twin-scroll turbocharger improves turbocharger response and rotational efficiency to deliver generous torque over the entire rev range. The engine is also fitted with a high-performance cooling system similar to the system available in the SLS AMG super sports car, thereby contributing towards optimum engine performance.

*Note: All figures from internal data.

Engine production follows AMG's traditional "one man, one engine" philosophy: A single engine fitter has complete responsibility for assembling an AMG high-performance engine entirely by hand.

AMG 4MATIC reliably transmits the sheer engine power to the road surface

The A 45 AMG 4MATIC features the AMG 4MATIC four-wheel-drive system that combines performance with dynamism. An electrohydraulically controlled multi-disc clutch is integrated with the rear axle differential for favorable weight distribution. Torque split is fully variable: in normal driving, the A 45 AMG 4MATIC uses front-wheel drive in the interests of optimum efficiency. When the system detects the spinning of the front axle, it distributes – depending on the vehicle speed, acceleration, steering angle, wheel speed difference, gear position, and throttle opening – up to 50% of the torque available to the rear axle to reduce wheel spinning during acceleration and cornering. This helps ensure optimum traction in all driving situations.

The three-stage ESP® system is fitted with "SPORT Handling" mode. The ESP system is now also includes a new Curve Dynamic Assist function, which during dynamic cornering, intervenes with imperceptible braking on the inside wheel, resulting in defined cornering of the vehicle and ensuring that the vehicle remains under control at all times.

AMG SPEEDSHIFT DCT

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This transmission features three driving programs: throttle-blipping function, and RACE START for optimum acceleration. In addition, the transmission software shares the basic concept with its counterpart in the SLS AMG. Characterized by efficient and quick shifting with no interruption of traction and reduced response time during manual gearshifts, this dual-clutch transmission ensures sheer dynamism on racetracks. In S (Sport) or M (Manual) driving modes, gearshifts take place even faster for even greater dynamism

AMG performance exhaust system

The AMG performance exhaust system is fitted with an exhaust flap, which is continuously adjusted according to the power called up by the driver, load status, and engine speed. This provides for an even more emotional and dynamic engine sound during powerful acceleration and gear shifting. An automatic double-declutching function for downshifting produces an emotional exhaust note characteristic of an AMG.

AMG sports suspension and AMG high-performance braking system

The A 45 AMG 4MATIC also incorporates sophisticated AMG suspension technology. With its special springs, shock absorbers, and stabilizers, the AMG sports suspension reduces rolls while negotiating bends at high speed. In developing the complete front axle, great importance has been attached to attaining the best possible traction in highly dynamic driving. The three-link front suspension is provided with stiffer steering knuckles. The newly developed, more rigid bearings provide for more precise and direct feedback from the road surface, resulting in more agile cornering properties. The four-link rear axle is a totally new development. The strut bearings were optimized for maximum driving dynamics and control. In keeping with its massive power credentials, the AMG A-Class is fitted with the AMG high-performance braking system that combines great stopping ability with excellent fade resistance.

Specially designed exterior underlines the sporty and dynamic credentials

While based on the basic proportions of the aggressive and sporty A-Class, the exterior of the new A 45 AMG 4MATIC features additional design elements unique from AMG. In the front, the radiator grille special to the AMG and the front bumper and flics on the large air intake openings on the sides underline the sheer power delivered by this model.

The side design is characterized by special side skirts with inserts in matt titanium gray. Page 5
The front fenders are embellished with “TURBO AMG” lettering. The special rear bumper and skirt with its highlighted air outlet openings at the sides and the dual twin chromed tailpipes of the AMG performance exhaust system round off the dynamic rear-end design. AMG 18-inch five-twin-spoke light alloy wheels emphasize the sporty character of the AMG A-Class.

Interior offers a perfect blend of sportiness and exclusivity

Inside, too, the new A 45 AMG 4MATIC boasts a mix of dynamism and luxury. Red accents underline the sporty impression of the interior. These include the genuine leather seats with red contrasting topstitching, Leather ARTICO dashboard, and *designo* red seat belts. With the AMG DRIVE UNIT and AMG instrument panel, the cockpit creates an ambience unique to a car from the performance brand.

Special options underline the distinctive individuality of the AMG A-Class

The optional AMG Advanced package is available exclusively for the A 45 AMG 4MATIC. Individuality of the A 45 AMG 4MATIC is emphasized even further by this package including the AMG performance suspension with stiffer springs and shock absorbers, AMG performance seats that ensure excellent lateral support in corners, and AMG performance steering wheel. The AMG Carbon-fiber package, which includes front spoiler lip, side skirts, rear diffuser, and exterior mirrors made of carbon-fiber material is also available.