

Locally emission-free, powerful and connected

**U.S. Press Information**

## Zero Emissions, Zero Compromises

Fall 2014

**MONTVALE, NJ – The 2015 B-Class Electric Drive features dynamic design, a premium interior and a powerful electric motor for emission-free mobility. This allows for lively, effortless driving pleasure over a real-world range of 87 miles (EPA). In addition, the B-Class Electric Drive is digitally networked. Thanks to its connectivity, it can be conveniently checked and configured via the internet. As the Mercedes-Benz among electric vehicles, the B-Class Electric Drive sets clear standards in terms of comfort, quality and safety for up to five occupants. The B-Class Electric Drive, bearing the unmistakable three-pointed star trademark, first launched in the US market in the summer of 2014.**

The B-Class Electric Drive surprises with an especially dynamic driving experience. It provides noticeably powerful acceleration, while gliding along quietly. The new electric Mercedes offers the driver and up to four passengers the familiar high standards of ride comfort in a high-class, spacious and precision-designed interior. The B-Class Electric Drive combines dynamic and driving pleasure with zero local emissions – in short: it delivers electric driving at premium level.

### **Powerful drive with brisk acceleration**

The Mercedes-Benz B-Class Electric Drive is based on the conventionally powered B-Class, for which the current generation has become a bestseller since being launched in many countries in

2011. Since the launch of the first B-Class version in 2005, Mercedes-Benz has seen customers taking delivery of over one million of these vehicles. As an especially versatile vehicle concept, the B-Class with its innovative electric drive now allows additional environmental friendly capabilities to Mercedes standards.

Mercedes-Benz has collaborated with TESLA Motors to develop the electric B-Class. The two companies share many years of cooperation in the field of electric mobility. The battery for the predecessor model of the smart fortwo electric drive, for instance, came from TESLA. For the B-Class Electric Drive, Mercedes-Benz is once again leveraging the extensive know-how available from the electric car pioneer and is using the TESLA drive system in its own vehicle.

Quiet and local emission-free driving is ensured by an electric motor generating 177 hp (132 kW). Typical for an electric drive system, the motor develops its maximum torque of 251 lb-ft (340 Newton meters) from the very first touch of the accelerator. This is approximately equivalent to the torque from a modern three-liter gasoline engine. The result is noticeably powerful acceleration from a standing start. The electrically driven B-Class drives from zero to 60 mph in 7.9 seconds. Effortless drivability and exhilarating driving pleasure with a high level of comfort are thus guaranteed in every situation.

The power supply to the electric drive is delivered via a high-performance lithium-ion battery, which is compactly and safely housed in the "Energy Space" in the underfloor of the vehicle. Such intelligent packaging allows the five-seater to retain the B-Class's familiar spaciousness in both its interior and its luggage compartment of 17.69-51.42 ft<sup>3</sup>.

### **Zero emissions also on longer journeys**

In the interests of optimizing range, the top speed is electronically limited to 100 mph. Depending on driving cycle; the vehicle has a range of 87 miles (EPA). This permits emission-free driving not

just in city traffic and on short journeys, but also over longer distances - such as a daily commute. The B-Class Electric Drive can be charged from any standard domestic power socket. For a range of 60 miles, the charging time at 240V in the United States is less than 2 hours\*. On the road, the electric drive itself makes its own contribution to a favorable energy balance by converting kinetic energy into electric current during coasting and braking, and feeds this energy into the battery.

### **Dynamic Mercedes-Benz design**

Refined sportiness combined with aesthetic appeal - the B-Class Electric Drive features the self-assured and dynamic styling so typical of Mercedes with powerfully defined lines and finely crafted details. The front and rear sections express the width of the vehicle. This is ensured by the wide, prominent grille and the headlamps, which wrap round into the sides, as well as by the wide rear window, two-piece tail lights and large tailgate with deep sill. A dynamic look is created by door-sill panels and striking bumpers with bar-shaped LED daytime running lamps. The charge socket is inconspicuously installed behind the conventional fuel door.

### **Sporty interior with classy touches**

The interior underscores the high standards of comfort typical of Mercedes-Benz. High-grade materials and finely textured surfaces, classy touches and precision workmanship make it clear that Mercedes-style electric drive is defined by high standards.

The three large round center air vents with their uniquely styled cruciform nozzles add a sporty flair that contributes to the overall emotive design idiom of the interior. Positioned above the air vents and seemingly free-floating is the screen for the telematics system - a state-of-the-art eye-catcher in the cockpit.

In terms of information and communication systems, the electric B-Class offers levels of comfort and functionality that is customary of any Mercedes-Benz. The standard equipment package includes a

new 7 inch screen color display, twin tuner and MP3-compatible CD player as well as a USB port. The newly-available Garmin® MAP PILOT navigation system can be installed via SD card at any time since all B-Class ED models will be prewired for this feature. The screen works in tandem with the COMAND multimedia system with internet access, navigation and LINGUATRONIC voice control is also optionally available.

The instrumentation of the B-Class Electric Drive is rounded off by functions that are specific to electric vehicles. One of the striking features is the power display in the right-hand circular instrument. The instrument pointer moves in a clockwise direction from the green zone towards the red zone, when full power is demanded by the driver. It drops back below the zero line when the vehicle is feeding energy into the battery through the recuperation feature.

### **Ideally networked: connected services**

Thanks to its state-of-the-art technology, the B-Class Electric Drive is not just sustainable and agile, but also connected. For example, the Vehicle Homepage allows convenient remote interaction and remote configuration of the vehicle. The driver can use their PC or smartphone to conveniently access the vehicle via the internet. It is possible, for instance, to determine the current state of charge of the lithium-ion battery or show the vehicle's current range on a map. In addition, the planned route can be displayed, showing at a glance where the vehicle can be recharged along the way, should this prove necessary. The range of connected services is rounded off by a feature that allows individually timed pre-heating or cooling of the vehicle. This pre-entry climate control system makes the B-Class Electric Drive unique in its segment.

### **Big on safety**

Mercedes-Benz applies its familiar, high safety standards to the B-Class Electric Drive. Thanks to the innovative "Energy Space", the battery is safely accommodated in the underfloor of the vehicle, where it is ensured protection in the event of a crash. In addition, Mercedes-Benz has equipped this innovative electric car with the

radar-based collision warning system COLLISION PREVENTION ASSIST with adaptive Brake Assist as standard. This assistance system gives the driver a visual and audible warning of detected obstacles, prepares them for braking action and assists them with the braking process as the situation requires. In this way, it significantly reduces the danger of a rear-end collision. Additional cutting-edge driver assistance systems are also available, including Blind Spot Assist, Lane Keeping Assist and Active Parking Assist.

### **Electric drive made by Mercedes-Benz**

Locally emission-free electric vehicles such as the new B-Class Electric Drive are a key part of Mercedes-Benz's strategy for sustainable mobility. The Stuttgart-based premium manufacturer is asserting its claim to leadership in this sector with electric vehicles that are fully suitable for everyday use. Mercedes-Benz aims to strengthen its position in future, not least with the new B-Class Electric Drive, which will be available initially in the USA as of mid of 2014, before subsequently being launched in European markets.

#### **Technical data**

Output	177 hp (132 kW)
Torque	251 lb-ft (340 Nm)
MPGe	84 miles (EPA)
Range	87 miles (EPA)
Charging time for a range of 60 miles [US City]	USA: under 2 h at 240V
Acceleration 0-60 mph	7.9 seconds (estimated)
Top speed	100 mph (160 km/h), electronically limited

#### **About Mercedes-Benz USA**

Mercedes-Benz USA (MBUSA), headquartered in Montvale, New Jersey, is responsible for the distribution, marketing and customer service for all Mercedes-Benz products in the United States. MBUSA offers drivers the most

diverse line-up in the luxury segment with 14 model lines ranging from the sporty CLA-Class four-door coupe to the flagship S-Class.

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