



FORMULA E, BREMBO UNIQUE SUPPLIER TO INCREASED TEAMS EQUIPS 24 ELECTRIC CARS IN NEW SEASON

The global leader in braking systems supplies all 12 teams in the Championship with bespoke calipers and carbon discs & pads through Spark Racing Technology

Stezzano (Italy), 18 November 2019 – **Brembo**, a global leader in braking systems, reaffirms its leading role in the FIA Formula E Championship as **the sole supplier of the entire braking system in season six (2019/2020) through constructor Spark Racing Technology**, the sole supplier of the Gen2 single-seater chassis.

In this sixth edition of the FIA Formula E, **Brembo increases its commitment** thanks to the entry of a 12th team, which means that a total of **24 cars are equipped with the Italian company's entire braking system**. Supplying such a number of teams simultaneously in a single four-wheel championship is **a record challenge for Brembo's history in motorsport**. The new season of the main world championship for electric cars will kick-off with the double opening race at the Diriyah E-Prix in Riyadh, Saudi Arabia to run November 22-23.

Following its entry last year in the **FIA Formula E** and this year in the **FIM MotoE World Cup**, Brembo consolidates its presence in the arena of electric motorsport. Brembo uses this arena as a laboratory to study and develop technologies that in the future could be employed to stop electric road vehicles.

For the FIA Formula E Championship, Brembo has designed a bespoke braking system for the Spark Racing Technology Gen2 single-seater, which includes **discs, calipers, pads, bells and tandem master cylinder**.

The **discs** are made of carbon. Carbon is the top choice for the race cars because its superior braking performance. Brembo engineers decided to design carbon discs specifically for the needs of the Gen2 full electric race cars. They are 24 mm thick at the front, with a 278 mm diameter and 70 ventilation holes. At the rear, they are 20 mm thick, with a 263 mm diameter and 90 ventilation holes.

The monobloc machined four-piston caliper is made of an oxidized aluminum alloy and weighs less than 1 kg at the rear (with pistons diameters of 26-28 mm) and about 1.2 kg at the front (with pistons diameters of 30-36 mm). The pistons are staggered in size to provide equal braking pressure across the carbon brake pad.

Much lighter than other motorsport calipers made by Brembo, the Formula E component has been designed to contain the car's overall weight, while providing top braking performance through uncompromised stiffness.

The pads are also carbon, the fronts are 18 mm thick, while the rears are 16 mm. **The bell** is aluminum with a bobbin mounting. **The pump is a tandem master cylinder** (it is like having 2 pumps in 1).

In terms of **temperatures**, the Brembo brakes for the FIA Formula E single seaters work best in an operating range of 400-800 °C.



About Brembo SpA

Brembo SpA is the world leader and acknowledged innovator of disc brake technology for automotive vehicles. Brembo supplies high performance brake systems for the most important manufacturers of cars, commercial vehicles and motorbikes worldwide, as well as clutches and other components for racing. Brembo is also a leader in the racing sector and has won more than 400 championships. Today the company operates in 14 countries on 3 continents, with 24 production and business sites, and a pool of over 10,600 employees, about 10% of whom are engineers and product specialists active in the R&D. 2018 turnover is € 2,640 million (12.31.2018). Brembo is the owner of the Brembo, Breco, AP, Bybre, and Marchesini brands and operates through the AP Racing brand.

For further info:

Daniele Zibetti – E-Motorsport Media Relations Brembo S.p.A.

T: +39 035 605 3138

M: +39 340 150044

E: daniele_zibetti@brembo.it

Web: www.brembo.com