



Press Release

Third consecutive Constructors' World Championship

MERCEDES AMG PETRONAS completes the triple

With a successful race in Japan, the MERCEDES AMG PETRONAS Formula One™ Team can celebrate winning the 2016 FIA Formula One™ Constructors' World Championship*. In the third year of the partnership, Team Partner ebm-papst extends its congratulations on the Team's third consecutive title.

With 15 wins in the 17 races that have taken place so far, and with a total of 593 points achieved by Nico Rosberg and Lewis Hamilton, the Team can no longer be overtaken in the season's remaining four races.

Since the first season of the partnership in 2014, the MERCEDES AMG PETRONAS Formula One Team has found the right partner in ebm-papst and many of the cooling solutions have been put to use by the Team. A racing car generates an enormous amount of heat, which is dissipated on the circuit by the air flow resulting from its high speed. As soon as the car comes to a stop in the pit lane, a cooling system devised by ebm-papst conveys trapped heat out of the openings in the side-pods and the roll-hoop. Thanks to ebm-papst, the staff at circuits in hot Asian venues has been working in more pleasant conditions since 2015, helping them focus better. At the Team Headquarters in Brackley, England, some of the 850 employees also benefit from ebm-papst fans, working lately in air-conditioned rooms with low noise levels. Thanks to GreenTech EC technology, MERCEDES AMG PETRONAS was also able to reduce the energy consumption of the air conditioners by 64%. And since 2016, the engineers also keep cool heads on the Pit Wall, where an ebm-papst blower directs cool air to their work area.

Thomas Borst, Managing Director of Sales and Marketing at the ebm-papst Group, said "Formula One™ and fan technology have more in common than one might think at first glance. We both strive to achieve ever higher efficiency by using high tech. That ultimately benefits our customers." In aerodynamics, for example, minimizing turbulent air flow is important for both cars and fans. The winglets on HyBlade® axial fan blades from ebm-papst reduce the amount of energy input, increasing the efficiency. Flexible carbon-fiber composites are used to make cars lighter so they can accelerate faster. For its HyBlade® axial fans, ebm-papst uses glass-fiber reinforced plastic; here, too, lower weight means less mechanical stress. Another good example of weight reduction is the hollow fan blade in the RadiPac centrifugal fan. "Efficiency and quality from high tech pay off. We're proud to be partners of such a successful team," added Borst.

**Subject to official confirmation of the results of the 2016 FIA Formula One™ World Championship by the FIA*

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Photo 1: A cooling system devised by ebm-papst conveys trapped heat out of the openings in the side-pods and the roll-hoop.



Photo 2: For the third season in a row, the MERCEDES AMG PETRONAS Formula One™ Team benefits from ebm-papst's cooling know-how.



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Fig 3: Nico Rosbergs wins the Japanese Grand Prix

- Photos 1-2** Mercedes-Benz Grand Prix Ltd.
Photo 3 Daimler AG
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About ebm-papst

The ebm-papst Group is the world's leading manufacturer of fans and motors. Since it was founded, the technology company has continuously set global market standards.

Developments have ranged from electronically controlled EC fans, through aerodynamic improvements of fan blades, and on to the resource-conserving selection of materials, with sustainable materials being just one option.

In fiscal year 2015/16, the company achieved sales of almost €1.7 billion. ebm-papst employs approximately 12,500 people at 18 production sites (in Germany, China, the United States and elsewhere) and in 57 sales offices worldwide. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automobiles and drive engineering.

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