



Press release

Ideal climate in the MERCEDES AMG PETRONAS Formula One Team garage

ebm-papst garage cooling system to be used for the first time at the 2015 PETRONAS Malaysian Grand Prix at the end of March

ebm-papst has been an official Team Partner of MERCEDES AMG PETRONAS since 2014 and has developed a special cooling and heat extraction solution for the garage of the 2014 FIA Formula One World Constructors' Champions. Ambient temperatures and humidity are very high in Malaysia and Singapore, and the working temperatures in the team garage can reach up to 40°C. An efficient and effective cooling system in the garage therefore critically improves the working conditions for both the team and its two drivers, Lewis Hamilton and Nico Rosberg.

MERCEDES AMG PETRONAS will be using the ebm-papst garage cooling system for the first time this season at the Sepang International Circuit in Malaysia. "We are really looking forward to having the ebm-papst cooling system operational in our garage this weekend in Malaysia. During the race weekend, the pace of work is extremely hectic, and it can be a really tough challenge for the drivers, engineers and mechanics in the particularly high heat and humidity locations. It will be a huge help to us if the temperature in the garage is comfortable, enabling the team to perform to the best of our ability" emphasises Paddy Lowe, MERCEDES AMG PETRONAS Executive Director (Technical).

The garage provides space for the team's two race cars, mechanics, aerodynamic, electronics and IT specialists as well as car parts and tyre storage areas. It's a large area that is completely open at the front, allowing heat to come in. The specially developed water-cooling system cools the critical working areas of the garage down to room temperature. With dimensions measuring 1 m by 2 m by 90 cm and a modular air distribution system, the cooling unit can be configured for use in garages at the different Formula One circuit around the world, where dimensions and layouts can vary quite significantly.

Gareth Jones, Managing Director of ebm-papst Automotive & Drives (UK) Ltd, who was responsible for developing the garage cooling system, adds: "During the preparations for the garage cooling I always joked with the team that it is our mission to make MERCEDES AMG PETRONAS officially the coolest team in Formula One".

ebm-papst, a global technology leader in ventilation and drive engineering, became an Official Team Partner of the MERCEDES AMG PETRONAS Formula One Team last year. Prior to this, Formula One had changed its rules for the 2014 season to incorporate greater energy efficiency and hybrid technology. Fan specialist ebm-papst has since developed energy-efficient attachment cooling solutions for the MERCEDES AMG PETRONAS F1 W05 Hybrid and F1 W06 Hybrid cars, which cool the temperature-sensitive components of the vehicles down to the optimum

Hauke Hannig
Press spokesperson
ebm-papst Group

Phone: +49 7938 81-7105
Fax: +49 7938 81-97105
Mobile: +49 171 36 24 067
Hauke.Hannig@de.ebmpapst.com

Author: Dr Clara Herdeanu
Corporate Communication
Phone: +49 7938 81-8112
Fax: +49 7938 81-98112
Clara.herdeanu@de.ebmpapst.com

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operating temperature. These fans in the sidepods and roll hoop openings of the car are an essential component of the car's temperature management system. Furthermore, developers at ebm-papst and MERCEDES AMG PETRONAS hold technical working groups to share expertise and best practice on aerodynamics.

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 bio-materials being just one option. In fiscal year 2013/14, the company achieved a turnover of €1.5 billion. Throughout the world, ebm-papst employs around 11,500 people at 18 production sites (including in Germany, China and the USA) and in 57 sales offices. Fans and motors from the global market leader can be found in many industries, including ventilation, air conditioning and refrigeration, household appliances, heating, IT and telecommunications, as well as automotive and commercial vehicles.

www.ebmpapst.com

Read more about the Team Partnership at: www.f1.ebmpapst.com

Hauke Hannig
Press spokesperson
ebm-papst Group

Phone: +49 7938 81-7105
Fax: +49 7938 81-97105
Mobile: +49 171 36 24 067
Hauke.Hannig@de.ebmpapst.com

Author: Dr Clara Herdeanu
Corporate Communication
Phone: +49 7938 81-8112
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