



Media Information

DTM

27<sup>th</sup> April 2017

## More power for the engine in the new BMW M4 DTM: Facts on the 500-hp plus BMW P66/1.

- Fascinating facts and comparisons regarding the BMW DTM engine.
- More horsepower, thanks to larger air restrictors.
- 920 technical drawings created for the engine.

**Munich. Powerful and reliable: these two terms perfectly sum up the demands placed on the V8 engines in the DTM. The six BMW drivers have just one engine each for the entire season. With this in mind, the engineers and mechanics at BMW Motorsport gave top priority to absolute precision during the production phase. Here is the lowdown on the BMW DTM engine, the BMW P66/1.**

In 2017, DTM regulations allow a larger diameter – 2 x 29 millimetres – for the air restrictors, through which the engine draws its combustion air. This results in an increase in engine power to **over 500 hp**.

The engine aspirates **260 litres per second** – that is 2,000 times as much as a human breathes.

The pistons in the BMW P66/1 accelerate **600 times faster** than a lunar rocket.

The pistons in the engine cover a combined distance that is the equivalent of travelling from **Munich to Sydney** over the course of a season.

In one season, **1.3 million** ignition sparks are generated in one engine.

The water pump shifts about **19,000 litres** per hour. At this rate, it would take just **20 seconds** to fill a bath.

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All the power generated by the engine is transferred to the powertrain and rear wheels through screws weighing just **130 grams**.

The oil is pumped through the engine roughly **10,000 times** in one season.

Over the course of the season, enough heat for **60 sauna sessions** is removed via the oil.

**920 technical drawings** were created for the engine. Placed next to each other, this is enough to cover more than a full tennis court.

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