



## **New MAMotec ecoGEN gas engines: Higher efficiency with lower consumption and lower load**

*The German gas engine specialist MAMotec presents its new ecoGEN gas engine generation for long-lasting and even more economical use.*

**Kuppenheim, 16. March 2022** – [MAMotec](#) presents its new ecoGEN gas engines. This generation of engines starts with a four-cylinder model with a displacement of 4.9 cc, which is particularly predestined for continuous operation for power generation (CHP), but also for other stationary applications. The generation of ecoGEN engines offers the user increased efficiency with lower fuel consumption. The new MAMotec ecoGEN MAG 49.4 S 215B achieves an efficiency increase of 0.25 percent and reduced fuel consumption of around 2 percent compared to the four-cylinder engine without ecoGEN technology, which is still available. The high savings can be illustrated in an exemplary, realistic calculation: Over a typical running time of ten years with an annual running time of 6,000 operating hours and a gas price of 0.070 EURO per kWh (in 2021), the savings, including the fuel saving of 5kW, is around 16,000 euros. Usually, a price increase for gas is also included in this calculation, which was around 2 per cent for the year 2021. This price increase may be significantly higher in the future due to current developments in the international gas supply, which would make the engine even more economical. However, due to the current uncertain price development, the price increase for gas was not taken into account in this example.

"For years, we have been developing very efficient and durable gas engines with state-of-the-art technology," says Nico Albrecht, one of the founders and managing directors of MAMotec. "With our corporate philosophy, we also stand in particular for making an important and significant contribution to making combustion technology in the industrial environment highly efficient and, ideally, even climate-neutral. With the new ecoGEN engine series, we are setting a new benchmark in terms of efficiency and fuel economy, which not only pays off economically for operators, but also further reduces emissions in favour of environmental compatibility."

The ecoGEN engine series is based on MAMotec's proven gas engines, which are widely used for energy generation, and costs an extra 1,000 euros. The ecoGEN upgrade consists mainly of an adjustment of the pistons, the valves and the timing. Despite the increase in efficiency, it was possible to maintain the knocking behaviour of the engine and even reduce the thermal load, thus increasing the stability.

As an option, the trijekt engine control, specially configured and programmed by MAMotec, is also available for the MAMotec ecoGEN engine models. The integrated engine control consolidates all control units and the complete sensor data acquisition onto a central platform, enabling even more efficient operation as well as processing of the digital operating data into operation-specific solutions and applications.

#### Technical data of the new MAMotec ecoGEN gas engine

<b>Model</b>	<b>MAG 49.4 S 215B</b>
Cylinders (in line)	4
Displacement in l	4,9
Max power kW at 1,500 rpm	55,6
Engine and sensor control	trijekt (optional)
Width/Length/Height mm	532/900/820
Weight kg	355
Efficiency mechanical ETA total referred to DIN ISO 3046-1	37,3
NOX mg/Nm <sup>3</sup>	< 100*
CO mg/Nm <sup>3</sup>	< 100*
NMHC mg/Nm <sup>3</sup>	< 150*
Noise emission motor dB(A)	98,1

\* In conjunction with a 3-way catalytic converter

## Fotomaterial zum Download



MAMotec ecoGEN gas engine with increased efficiency and lower consumption

Link to the photo: <https://mamotec-online.de/wp-content/uploads/2022/03/MAMotec-ecoGEN-MAG49.4.png>



MAMotec ecoGEN Logo

Link to the photo: [https://mamotec-online.de/wp-content/uploads/2022/03/eco\\_GEN-scaled.jpg](https://mamotec-online.de/wp-content/uploads/2022/03/eco_GEN-scaled.jpg)



Caption: MAMotec Managing Director Nico Albrecht

Link to the photo: <https://mamotec-online.de/wp-content/uploads/2022/01/MAMotec-GF-Nico-Albrecht-scaled.jpg>

## **Über MAMotec**

MAMotec ist Entwickler und Anbieter schadstoffarmer und robuster Gasmotoren für den Antrieb stationärer und industrieller Anwendungen. Das Produktportfolio umfasst Motoren für Wasserstoff, Erdgas, Biomethan, Biogas und Holzgas von 26 kW bis 200kW. Die speziell für die Anwendung mit Erd- und Sondergas entwickelten Gasmotoren zeichnen sich durch größte Zuverlässigkeit, lange Wartungsintervalle und höchste Energieeffizienz aus. MAMotec ist ein privatgeführtes deutsches Unternehmen und hat seinen Hauptsitz im badischen Kuppenheim. Hier finden Entwicklung, Produktion und der Vertrieb statt, um Kunden in Europa mit innovativer Antriebstechnologie auszurüsten. Dabei kooperiert das Unternehmen unter anderem mit einer der größten Hochschulen für angewandte Wissenschaften in Baden-Württemberg. [www.mamotec-online.de](http://www.mamotec-online.de)

## **Pressekontakt**

### **MAMotec GmbH**

Ilona Braunagel

Fritz-Minhardt-Straße 1

76456 Kuppenheim

Mail: [Ilona.Braunagel@mamotec-online.de](mailto:Ilona.Braunagel@mamotec-online.de)

Webseite: [www.mamotec-online.de](http://www.mamotec-online.de)

Telefon: +49(0)7222 / 50610 51

### **Schmidt Kommunikation GmbH**

Alexandra Schmidt

Mail: [alexandra.schmidt@schmidtkom.de](mailto:alexandra.schmidt@schmidtkom.de)

Telefon: +49/89/ 60669222

Mobil: +49/170/387106

Thilo Christ

Mail: [thilo.christ@schmidtkom.de](mailto:thilo.christ@schmidtkom.de)

Telefon: +49/89/ 60669222

Mobil: +49/171/6220610

Schillerstrasse 8

85521 Ottobrunn b. München