

## Generator G35

/ Compact Generator for Diesel Electric Drive.



### Technical Information (dependent on variant)

<b>General</b>	
Operational temperature range with cooling	-32 to +120 °C
Level of protection	IP 68
Axial length	202 mm
Axial length including connectors	231 mm
Outer diameter	444 mm
Weight	139 kg
Shock resistance	50 g
<b>Electrical data</b>	
Rated power	240 kW
Rated voltage	750 V
Maximum voltage	800 V
Number of phases	3
<b>Mechanical data</b>	
Maximum torque	1,120 Nm
Continuous torque	715 Nm
Peak power @ 750 V	280 kW
Rated speed	3,600 to 4,300 rpm
<b>Cooling</b>	
Cooling medium	water/glycol 50/50
Nominal flow rate	12 l/min
Rated inlet temperature	75°C
Pressure drop	0.5 Bar

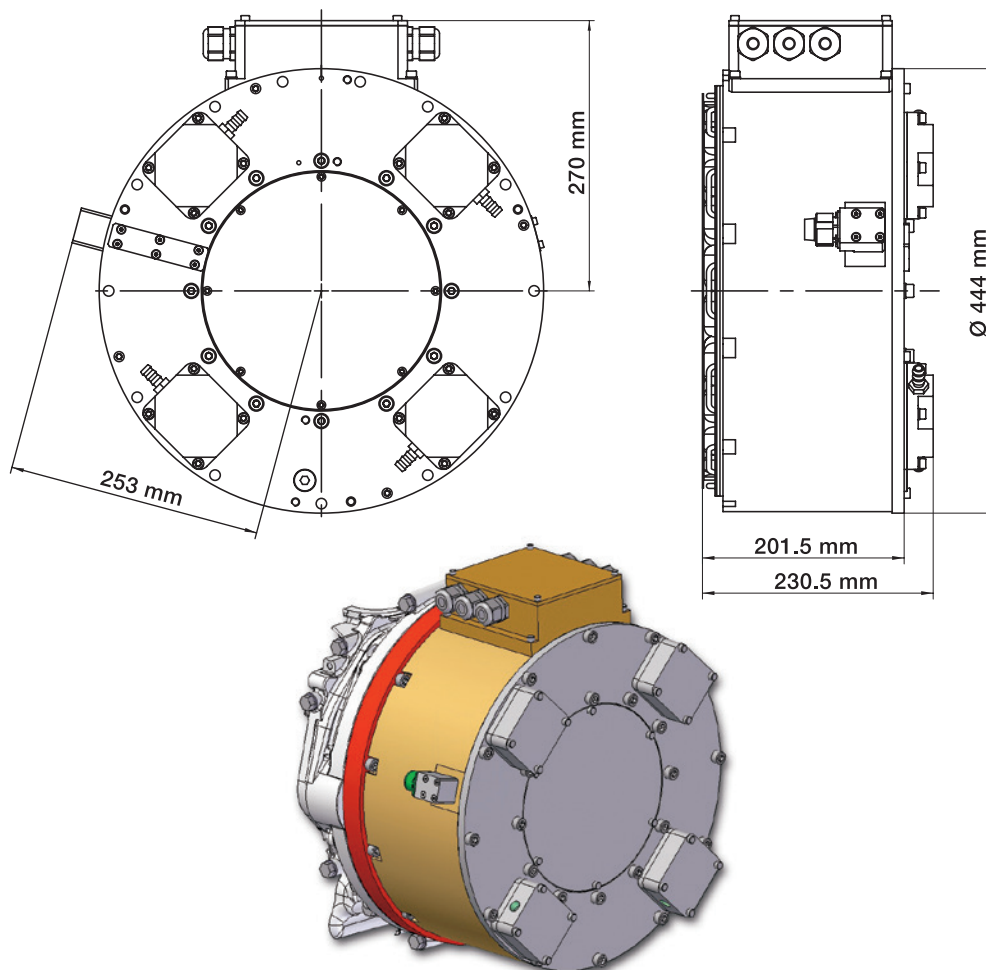
#### Features

- Magnet-Motor's 240 kW G35 generator is the basis of a powerful, state-of-the-art prime mover for fully hybridized military or heavy duty commercial vehicles.
- With the addition of advanced electronic controls and software, a complete turnkey system is available.
- Industry standard communications protocols SAE J1939 (US) and CAN Open (EU) are implemented to accommodate the widest possible application base and enable the use of both COTS and MOTS components.

# Generator G35

## Technical Characteristics

- Permanent magnet, water-cooled
- Continuous power:  
240 kW @ 3,600 rpm
- SAE 3 flange compatible
- Including bearings and flexible  
coupling
- High power density
- High efficiency
- Maintenance-free



### Trusted Partner.

#### RENK Magnet-Motor GmbH

Petersbrunner Str. 2  
82319 Starnberg  
Germany  
P +49 8151 262-0  
F +49 8151 262-250  
E [mobility.solutions@renk.com](mailto:mobility.solutions@renk.com)

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered is determined by the subject matter of the specific contract. No liability accepted for errors or omissions. Subject to technical alterations. © RENK Magnet-Motor GmbH 2023