

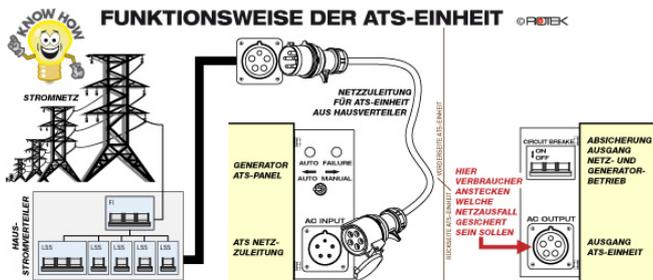
## ROTEK diesel generator 400V 50Hz (3-phase), 5.5 kVA, soundproofed with electric start, GD4SS-3-6000-5EBZ-ATS, with integrated automatic generator start in case of power failure (ATS)

- **Integrated ATS unit:** Automatic motor start in case of power failure (the device can of course also be used in normal operation)
- The generator can also be controlled by a solar inverter (with a small modification).
- **Soundproofed version**
- 1-cylinder 418cc 4-stroke diesel engine with 5.7kW
- 3-phase 400V industrial generator section with electronic voltage regulation (AVR regulated)
- 1x 400V, 1x 230V connection (please note the information below for single-phase use)
- 14-liter tank for approximately 7 hours of operation at full load
- Automatic engine stop in case of low oil pressure
- Electric start including starter battery
- Integrated operating hours counter

Generator with a 1-cylinder, 4-stroke diesel engine in a closed, soundproofed design for home and commercial use. The generator is an electronically controlled, industrial-grade synchronous generator with a maximum output of 5500 VA / 5.5 kVA. The integrated 418cc 4-stroke diesel engine offers low fuel consumption, high power density, and good emissions. A vibration-damped base frame and the usual Rotek build quality complete the features. A comprehensive German user and service manual is included.

### Note regarding the use of 3-phase generators:

Many customers believe that 3-phase generators are better than 1-phase types. This is not correct. If you have 3-phase appliances (400V - formerly 380V, i.e., the red socket or commonly referred to as "three-phase power"), then you will, of course, need a 3-phase generator. However, if you only have single-phase appliances (230V - formerly 220V, i.e., the standard household socket or commonly referred to as "lighting current"), then you should use a single-phase generator. Why is that? As the name suggests, a three-phase generator has three windings (or phases). These three windings are connected at a single point. This is called the neutral point or neutral conductor. The voltage from the neutral conductor to each winding is 230V, and between any two windings, the voltage is 400V. But each winding can only supply one-third of the total current. This means that, using this generator as an example, at 400V (with three-phase operation), you have a maximum output of 5.5kVA. However, if you use the generator in single-phase mode, you can only draw one-third of the total output - 1.8kVA - at 230V. If you are unsure which generator is the best choice for your application, please feel free to contact us. The **automatic start system** (ATS) automatically starts the generator in the event of a mains power failure. The generator is connected between the mains power supply and the load. The generator's electronics continuously monitor the mains voltage. Should the mains fail, the electronics immediately start the generator (within 3-5 seconds) and connect the load to the generator. The electronics also monitor the mains voltage while the generator is running. If the mains power is available for more than 15 seconds, the electronics switch the load back to the mains and automatically stop the engine. An integrated battery charger ensures that the engine starter battery is charged during mains operation and thus remains ready for use at all times.



The device can of course also be operated in off-grid mode (i.e., without connection to the mains power supply, like a "normal" generator). To do this, simply switch the operating mode selector from AUTO to MANUAL.

### Technical data

Rotek article number	GEN241
EAN Code	900970017682
Model	GD4SS-3-6000-5EBZ-ATS
Generator type	3-phase synchronous generator with brushes
Nominal voltage	400V (230V), 50 Hz
Peak performance (at V)	5.5 kVA / 4.6 kW (400V), 1.8kVA at 230V
Continuous power (at V)	5.0 kVA / 4.1 kW (400V). 1.7 kVA at 230V
Voltage regulation	electronic
Security	Thermal circuit breaker BSB1-30-P7
Operating hours counter	integrated
Battery charger when mains powered	integrated
Maximum switching current of the ATS unit	3 x 10 A
ATS connector	CEE400V/16A
Engine type	418 cc 1-cylinder diesel engine, 4-stroke, air-cooled, direct injection

### documentation

- 📖 User manual (German)
- 📖 Information on operation with heating oil (German)

### Product images



fuel	Diesel
startup system	Electric start (starter battery included)
Tank volume	14 liters
Fuel consumption	Idle: 0.6 l/h 2.3kW Load: 1.1 l/h 3.0kW Load: 1.5 l/h 4.3kW Load: 1.9 l/h
emissions class	Stage-V, EU/2016/1628
Exhaust diameter	Da:38mm
Wheelset	Included in the scope of delivery
Dimensions (W x D x H)	950 x 540 x 700 mm
Weight	145 kg
volume	LWA 91dB(A) / 75dB @ 7m

### **Additional information**

Gross weight (excluding shipping packaging): 157 kilograms  
Gross product dimensions (L x W x H): 940 mm x 550 mm x 835 mm

Shipping method: General cargo on pallets  
Shipping weight (including outer packaging for 1 unit): 177 kilograms  
Shipping dimensions for 1 unit (L x W x H): 1.20 m x 800 mm x 980 mm

24-month warranty

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