

## ROTEK diesel generator 400V 50Hz (3-phase), 5.5 kVA with electric start and starter battery, GD4-3-6000-5EBZ

- 1-cylinder 418cc 4-stroke diesel engine with 5.7 kW maximum power
- 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)
- 10-liter diesel tank for approximately 5 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 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.

### Technical data

Rotek article number	GEN237
EAN Code	9009970017644
Model	GD4-3-6000-5EBZ
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
Engine type	418 cc 1-cylinder diesel engine, 4-stroke, air-cooled, direct injection
fuel	Diesel
startup system	Electric and manual start (starter battery included)
Tank volume	10 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
Dimensions (W x D x H)	710 x 500 x 610 mm
Weight	100 kg
volume	LWA 99 dB(A), 86 dB@7m

### Additional information

Gross weight (excluding shipping packaging): 104 kilograms  
Gross product dimensions (L x W x H): 730 mm x 520 mm x 630 mm

Shipping method: General cargo by volume  
Shipping weight (including outer packaging for 1 unit): 109 kilograms  
Shipping dimensions for 1 unit (L x W x H): 800 mm x 600 mm x 750 mm

24-month warranty

### documentation

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

### Product images

