



THE NEW GENERATION OF COMBINED HEAT AND POWER GENERATION

GTK 50 EVO H₂

www.wolf-ps.de

Drivers of the energy transition

With over 35 years of experience in the field of decentralized energy systems and over 2400 installed systems worldwide,

we are the partner for energy solutions with combined heat and power - from engineering till integration and maintenance.

We present:





EFFICIENT & CLIMATE-NEUTRAL

THE NEW GENERATION OF CHP UNITS

GTK 50 EVO H₂ - flexibel

With the GTK 50 EVO H2, you play an active role in shaping the energy transition - whether operating with pure hydrogen, biomethane, natural or liquid gas.

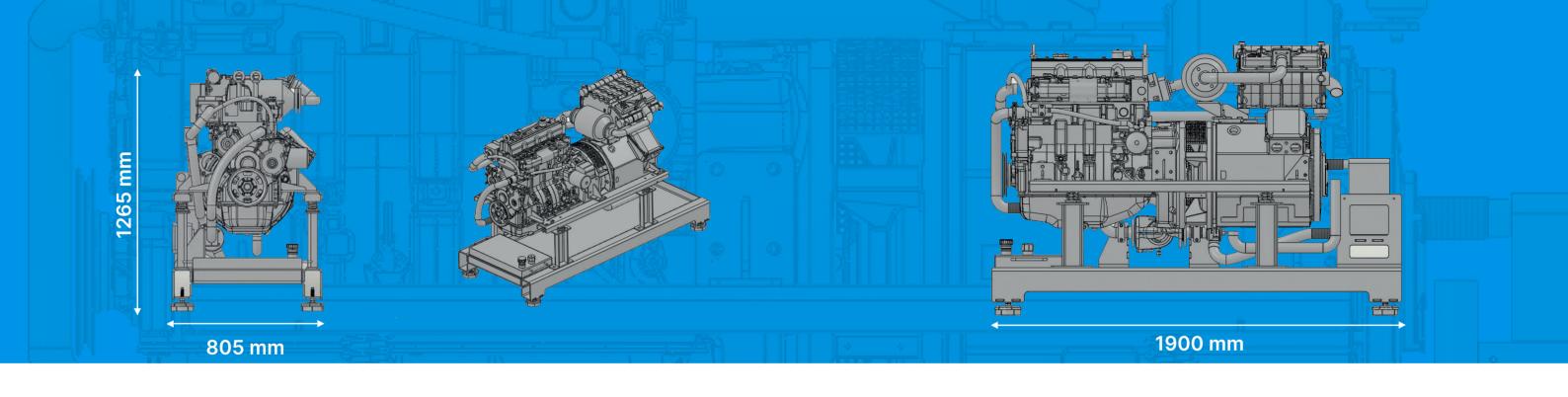
Climate-neutral, demand-driven and optimal generation and use of electricity and heat through CHP.



GTK 50 EVO H₂ compact

A state-of-the-art steel construction was created from laser edged parts, which guarantee enormous stability with the lowest weight.

This enables a compact structure and complete dismantling. Thus, integration is possible even in constrained conditions.



THE COMPACT

POWER PACKAGE

Every milimeter counts.

• Plug & Play - ready for connection

GTK 50 EVO H₂ - space saving and space giving

- lowest noise emissions
- space-saving
- highly efficient

only 805 mm wide 1900 mm long 1265 mm hight So that the operation of the plant SILENCE does not have a disturbing effecton the surroundings our

GTK 50 EVO H₂

is designed for the lowest possible noise emissions. Built-in vibration dampers reduce the sound and the separate design of the sound and heat insulation casingas well as the generator unit reduces the structureborne sound power to a minimum. This means that the GTK 50 EVO H2 can be installed both outdoors and indoors.





GTK 50 EVO H₂ sustainable

Thanks to variable interfaces to the customer's plant, the module can be installed in the smallest possible space and offers maximum ease of maintenance.

The sound and heat insulation casing can be removed for maintenance purposes.

ONE CONCEPT FOR ALL ENERGY SOURCES



GTK 50 EVO H₂ - adaptable

Intelligent and flexible selection of individual components guarantee efficient use of the energy carrier.

- Flexible suspension depending on the application
- Exhaust gas heat exchanger with utilization of the condensing technology
- guarantees highest efficiencies
- Specially developed exhaust gas silencer system for optimum
- sound insulation

GTK 50 EVO H₂ digital

The fast and intuitive usability of the system control offers you a clear display of all relevant information of the system.

The system can be integrated into the building technology via all common BUS systems.

You can monitor the optimal operation at any time via your mobile device.





The path to the energy solution

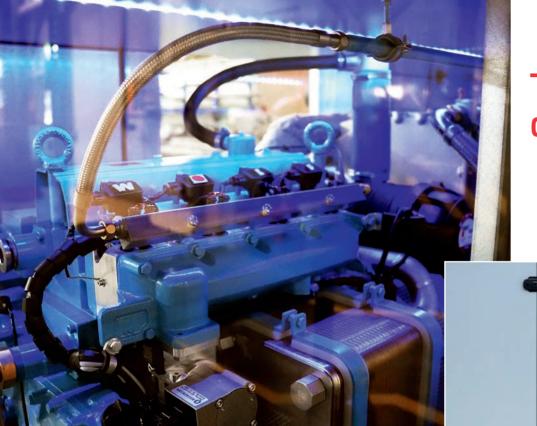
GTK 50 EVO H₂ team capable

We accompany you

- with the design
- with the feasibility study calculationsupport you in planning
- with developing a customized concept
- with the integration and installation
- · with full maintenance

If you have any questions about the product, please do not hesitate to contact our sales team.





Technical data gas

Core components of the module GTK 50 EVO Module type MAG 49.4 S213A Engine type WKASYG 250/4-330T Generator type Total power of the genset continuous 50 kW electrical power at 100 %thermal power at 100 kW (Tolerance 5 %) 100 %energy input full load at 100 %. Efficiencies 145 kW (Hi) (Tolerance 5 %) Continuous electrical power at 100 % 34,5 % Thermal efficiency at 100 %Total efficiency 69.0 % at 100 % 103.5 % Electricity efficiency Primary energy savings acc. 0.50 Directive (natural gas) 2012/27/EU Dimensions without sound insulation hood 31.3 % Length / width / height Dimensions with sound insulation hood 1.900 / 780 / 1.265 mm Length / width / height Exhaust emission values Exhaust gas 2.200 / 1.100 / 2.000 mm purification system Pollutant emissions NOx content 3-Wege KAT CO content < 100 mg/NmFormaldehyde CH20 < 100 mg/Nm3 Exhaust gas Sound pressure level pa10m < 20 mg/Nm3 according to module 65 db (A)

HIGHLIGHTS:

- Industrial gas Otto engine
- Water-cooled asynchronous generator
- Exhaust gas heat exchanger with calorific value utilization
- Three-way catalytic converter
- Enormous stability and space-saving due to compact design
- Control cabinet removable from module
- Lowest noise emissions
- No active housing ventilation
- > High thermal efficiency
- Plug & Play ready for connection
- Maximum ease of maintenance due to variable interfaces to the customer's plant



Core components of the module GTK 50 EVO H₂ Module type MAH 49.4 TI211A Engine type WKASYG 250/4-330T Generator type Total power of the genset continuous 50 kW electrical power at 100 %thermal power at 95 kW (Tolerance 5 %) 100 %energy input full load at 100 %. 142 kW (Hi) (Tolerance 5 %) Efficiencies Continuous electrical power at 100 % 34.8 % Thermal efficiency at 100 %Total efficiency 67,3 % at 100 % 102,1 % Electricity efficiency Primary energy savings acc. 0,53 Directive (natural gas) 2012/27/EU Dimensions without sound insulation hood 30.7 % Length / width / height Dimensions with sound insulation hood 1.900 / 780 / 1.265 mm Length / width / height Exhaust emission values Exhaust gas 2.200 / 1.100 / 2.000 mm purification system Pollutant emissions NOx content 3-Wege KAT CO content < 60 mg/Nm3 Formaldehyde CH20 < 60 mg/Nm3 Exhaust gas Sound pressure level pa10m < 10 mg/Nm3 according to module 65 db (A)

HIGHLIGHTS:

- Enormous stability and space-saving due to compact design
- Industrial gas Otto engine
- Water-cooled asynchronous generator
- Exhaust gas heat exchanger with calorific value utilization
- Control cabinet removable from module
- Lowest noise emissions
- No active housing ventilation
- > High thermal efficiency
- Maximum ease of maintenance due to variable interfaces to the customer's plant
- Plug & Play ready for connection

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