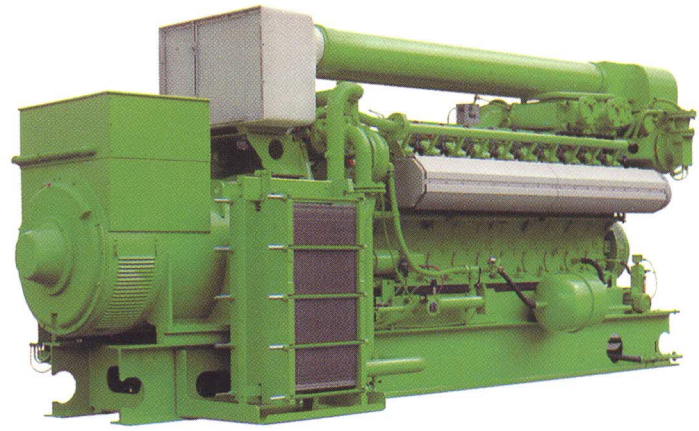
GE
Energy

Jenbacher type 3



efficient, durable, reliable

Long service intervals, maintenance-friendly engine design and low fuel consumption ensure maximum efficiency in our type 3 engines. Optimized components prolong service life even when using non-pipeline gases such as landfill gas. The type 3 stands out in its 500 to 1,100 kW power range due to its technical maturity and high degree of reliability.

reference installations

model, plant	key technical data	description	
J312 GS **Containerized solution** **Landfill site;** **Cavenago, Italy**	Fuel ..... Landfill gas Engine type ..... 3 x JMC 312 GS-L.L Electrical output ..... 1,803 kW Thermal output ..... 2,241 kW Commissioning ..... September 1999	Every system has its own landfill gas feeder line and exhaust gas treatment line. The generated electricity is used on-site, excess power is fed into the public grid. The employment of the CL.AIR® system ensures the purification of the exhaust gas to meet all relevant Italian emission requirements. As a special feature, at this plant the thermal energy is used for landfill leachate treatment, as well as for greenhouse heating.	
J316 GS **Profusa,** **producer of coke;** **Bilbao, Spain**	Fuel ..... Coke gas and natural gas Engine type ..... 12 x JGS 316 GS-S/N.L Electrical output a) with 100% coke gas ..... 5,642 kW b) with 60% coke gas and 40% natural gas, or 100% natural gas ..... 6,528 kW Commissioning ..... November 1995	This installation designed by GE's Jenbacher product team enables Profusa to convert the residual coke gas with a hydrogen content of approximately 50% into valuable electrical energy.	
J320 GS **Ecoparc I;** **Barcelona, Spain**	Fuel ..... Biogas and natural gas Engine type ..... 5 x JMS 320 GS-B/N.L Electrical output ..... 5,240 kW Thermal output a) with biogas ..... 2,960 kW b) with natural gas ..... 3,005 kW Commissioning ..... December 2001 to January 2002	In Ecoparc I, organic waste is processed into biogas, which serves as energy source for our gas engines. The generated electricity is used on-site as well as fed into the public power grid. A portion of the thermal energy is used as process heat in the digesters, and the excess heat is bled off in the air coolers.	
J320 GS **Amtex Spinning Mills;** **Faisalabad, Pakistan**	Fuel ..... Natural gas Engine type ..... 4 x JGS 320 GS-N.L Electrical output ..... 4,024 kW Commissioning ..... November 2002, May 2003	The natural gas-driven units generate electricity for spinning mills in one of Pakistan's most important textile centers. Special features of this Jenbacher plant allow for high ambient temperature, dusty inlet air, and operation in island mode.	

GE imagination at work