WE ARE THE ENERGY GENERATION!



INDUSTRIAL GAS GENERATORS

THE GREEN SIDE OF ENERGY

GGW Series

Gas Fuelled Stationary Generator Sets

Pramac Industrial Gas revolutionises your idea of energy. The new line-up of industrial natural gas generators deliver long run times, low environmental impact and ease of use with the innovative Power Zone™ control system.

PRAMAC

ENJOY LONG RUN TIMES WITHOUT REFUELLING

Each gas generator is optimised for emergency stand-by and prime power applications benefitting from reduced maintenance costs and simplified installation possibilities, when compared to traditional diesel gen-sets.

- BACK UP AND PRIME POWER
- TECHNOLOGY ADVANTAGES
- INSTALLATION SIMPLICITY
- REDUCED OPERATING COSTS
- LOW EMISSIONS



ARE YOU LOOKING FOR SUSTAINABLE SOLUTIONS?

NO REFUELING, INSTALL IN REMOTE SITES, LOW CARBON EMISSIONS, GREEN SOLUTION

ARE YOU LOOKING FOR RELIABILITY IN EMERGENCIES?

CLEAN AND RELIABLE POWER, UNLIMITED RUN-TIME, QUICK-START AND BLOCK-LOAD, BACK-UP SOLUTION (LONG BLACK OUTS)

ARE YOU LOOKING FOR ASSITANCE AND QUICK RESPONSE, ANYWHERE, ANYTIME?

PREDICTIVE , NO-REFUELING, SUITABLE FOR BEHIND-THE-METER PRODUCTION

BACK UP AND PRIME POWER

The trusted destination for commercial and industrial solutions



Due to its long run times and installation flexibility natural gas is becoming the preferred fuel choice in many applications. Our natural gas generators are built in-house and go through tough testing and optimisation in our factory to meet your application's demands.



Whether you need back-up, emergency, or prime power, natural gas is the solution.

Pramac offers a range of solutions from 8 kW natural gas generators for small businesses to large multi-megawatt systems providing prime power. And our innovative Modular Power Systems (MPS) enable you to add generators as your power needs grow, so you don't need to "over-invest" on your initial genset configuration.

- HEALTHCARE 1
- PUBLIC INFRASTRUCTURE 2
- TRANSPORTATION INFRASTRUCTURE 3
- COMMERCIAL BUILDINGS 4
- DATA CENTERS 5
- TELECOMMUNICATIONS 6

TECHNOLOGY ADVANTAGES

Longer run times and fuel

Pramac's clean burning gaseous fuel generators can be used to meet local code requirements and the unique back-up power needs for every business. Pramac gaseous generators are powered by cutting-edge Generac® engines, designed to run on gaseous fuels and optimised for emergency stand-by applications.



COST-EFFECTIVE ENGINES

Generac® Spark-Ignited engines are readily available in high volumes, providing a highly competitive advantage over traditional gas technology.

EXTENDED RUNNING TIMES

A key benefit of using natural gas fuel is increased run time. As natural gas is supplied by a utility feed, refueling is not an issue.

RELIABILITY AND PERFORMANCE

Pramac utilises Generac® Industrial spark-ignited engines, which are optimised for performance and responsiveness to load variations. With its Modular Power Systems, Pramac has perfected the process of paralleling generators through the use of our integrated control technology.

Modular paralleling provides the advantages of redundancy, flexibility and scalability, offering customers up to 99.9999% reliability for critical loads. Generac® spark-ignited gas technology, with rich-burn combustion, is produced in large scale, allowing optimisation of the capital costs while guaranteeing the robustness required in industrial applications.



INSTALLATION

Built to last by the best in the business



INTERFACE

On-Board a 7” color resistive touchscreen providing instant access to the most important parameters, ensuring the generator is ready and available at a moments notice.

EASE OF USE

Intuitive icons, “app-like” navigation, and multilingual screens are duplicated across equipment and mobile devices, putting the customer in the Power Zone.

FULLY INTEGRATED

Power Zone has complete control over the engine and the generating set’s functions. It includes speed governing, ignition, fuel control, paralleling and protection. All this results in less components and an easy to troubleshoot system.

REDUCED OPERATING COSTS

The right fuel source that can actually reduce maintenance expenses

With today’s technology, natural gas systems from Pramac, one of the world’s largest suppliers of power generation equipment, are actually able to lower capital expenses over a system’s lifetime compared to traditional diesel generators.

CASE STUDY

Lower fuel cost

Peak shaving	Run hours	AVG load
240 kW	1600 h/year	180 kW

Estimated Diesel-Fuel usage: 90,000 lt. per year

Fuel Cost SAVING with Natural Gas: up to -60%

ELIMINATES REFUELING COSTS

CLEARS REFUELING DOWNTIMES

REDUCED MAINTENANCE COSTS

Capital investment: The ability to add additional paralleled generators into your system over time can mean a significant reduction in your initial capital investment. There is no need to install more power than currently needed, since more modules can be added in the future as business grows or power requirements increase.

Installation cost: The capital investment to specify and install two paralleled lower-kW generators compared to one larger-kW generator can be similar. However, paralleled units often have the advantage of greater installation support from the supplier, which offsets some of the initial cost. Their lighter weight makes them easier to move and place on job sites, requiring smaller, less expensive lifting equipment, and the simple design means installation time is decreased.

Fuel cost: In many countries, the cost of natural gas tends to be significantly lower than that of diesel.

Servicing and maintenance cost: A single paralleled unit can be taken out of service for maintenance or repair while other units remain available should an outage occur. Smaller paralleled generators can also be installed in easy-to-access locations like on rooftops or in parking garages.

ECO SUSTAINABILITY

Reliable. Cleaner. Smarter.

THE SMARTEST
FUEL CHOICE

- **Long run times:** Because natural gas is supplied by a utility, refueling is not an issue.
- **Environmentally friendly:** Natural gas-fuelled engines emit fewer nitrogen oxides and particulate matter, while also avoiding the fuel containment, spillage and environmental concerns associated with fuel storage.
- **Fuel reliability:** With natural gas, there's no onsite fuel storage or ongoing maintenance.



0%
NO PARTICULATE MATTER

-90%
LOWER NOX EMISSIONS

-90%
CO EMISSION REDUCTION

When equiopped with the factory-provided 3-way catalyst (optional), compared to traditional untreated Diesel engines!

Easier permitting: Natural gas is a clean burning fuel that does not require excessive testing or permitting. The high level of emissions produced by diesel generators often increases the difficulty in procuring an air-quality or onsite fuel storage permit.
Long run times during outages: Since natural gas is supplied by a utility with underground pipelines, it is rarely impacted by weather and the flow of fuel is largely secure—they can often run for weeks and months. For diesel generators, the fuel supply typically ends after three days. And during a crisis, fuel deliveries are often delayed or non-existent.
Low maintenance: In diesel generators, the required low sulfur diesel gas needs to be re-conditioned or polished every 12-16 months to ensure impurities don't impact fuel flow. This is not an issue with natural gas.

Cost-effective engines: Spark-ignited engines are readily available in high volumes, making them more economical than similarly sized diesel engines.

Reliable fuel supply: With diesel fuel, winter storms or unexpected disasters can wreak havoc on operations across the country. If supply trucks are delayed, it can greatly impact production.

Overall eco-friendliness: Many companies are becoming very "green" and considering this aspect in every part of new construction or as they remodel. Natural gas is the cleanest burning fossil fuel today, it produces the fewest emissions, and has a much smaller carbon footprint. Natural gas generators also avoid the fuel containment, spillage, and environmental concerns associated with storing diesel fuel.



NATURAL GAS FUELLED GENERATOR RANGE

MODEL*	POWER (ESP)	ENGINE	FUEL
GGW 200 G	200 kVA/160 kW (50 Hz)	14.2L	NG
GGW 300 G	300 kVA/240 kW (50 Hz)	14.2L	NG
GGW 400 G	400 kVA/320 kW (50 Hz)	21.9L	NG
GGW 500 G	500 kVA/400 kW (50 Hz)	25.8L	NG

MODEL**	POWER (ESP)	ENGINE	FUELS
GGW 50 G	50 kVA/40 kW (50 Hz) - 63 kVA/50 kW (60 Hz)	5.4 L	NG / LP
GGW 70 G	70 kVA/56 kW (50 Hz) - 88 kVA/70 kW (60 Hz)	6.8 L	NG / LP
GGW 100 G	100 kVA/80 kW (50 Hz) - 125 kVA/100 kW (60 Hz)	9.0 L	NG / LP
GGW 130 G	130 kVA/104 kW (50 Hz) - 163 kVA/130 kW (60 Hz)	9.0 L	NG / LP
GGW 150 G	150 kVA/120 kW (50Hz) - 188 kVA/150 kW (60 Hz)	9.0 L	NG / LP
GGW 200 G	200 kVA/160 kW (50 Hz) - 250 kVA/200 kW (60 Hz)	14.2 L	NG / LP
GGW 275 G	275 kVA/220 kW (50 Hz) - 344 kVA/275 kW (60 Hz)	14.2 L	NG
GGW 350 G	350 kVA/280 kW (50 Hz) - 438 kVA/350 kW (60 Hz)	21.9 L	NG
GGW 400 G	400 kVA/320 kW (50 Hz) - 500 kVA/400 kW (60 Hz)	21.9 L	NG
GGW 500 G	500 kVA/400 kW (50 Hz) - 625 kVA/500 kW (60 Hz)	25.8 L	NG

*The data refer to the products for the **European markets**
The data refer to the products for the **Non European markets



Distributed by

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