PRAMAC

GAS INDUSTRIAL GENERATOR SETS

A CLEANER CHOICE

PRAMAC

ABOUT US

Pramac is the global benchmark for the production of generators and battery energy storage solutions. 2016 saw Pramac become part of the Generac group, forming the world's third-largest generator producer. Pramac corporate purpose is to lead the evolution to more resilient, efficient, and sustainable energy solutions, powering a smarter world, with a broad suite of products.

Pramac provides assistance and service division offers, interventions on field, installations, maintenance. After-Sales Division offers trainings and learning tools to help dealers and customers improving their product's technical knowledge and operational skills.

Enjoy long run times without refueling

EMERGENCY AND PRIME POWER

TECHNOLOGY ADVANTAGES

INSTALLATION SIMPLICITY

REDUCED OPERATING COSTS*

LOWER EMISSIONS*

*Compared to traditional Diesel Generators

Pramac's Gas Generator Sets are optimized for emergency standby and prime power applications while providing the advantage of reducing operating costs and lower cost of maintenance, compared to traditional Diesel Generators.

ARE YOU LOOKING FOR SUSTAINABLE SOLUTIONS?

With Gas gensets there is no need for fuel trucking, for this reason they are the preferred solution to install in sites that are difficult to reach for re-fueling.
Gas genset provide virtually 'unlimited' run time during extended power outages. Their emissions are lower than traditional Diesel gensets.

ARE YOU LOOKING FOR RELIABILITY IN EMERGENCIES?

Diesel-like starting time, step load and quick responses. Secure power even during extreme weather events that prevent fuel trucking.

Emergency and prime power

The trusted solution **for commercial and industrial applications**

Gas and LPG are becoming the preferred fuel choice in many applications. Our Gas Generators-sets are built in-house and go through tough testing and optimisation in our factory to meet the most strict requirements for power demands. Whether you need **backup**, **emergency**, or **prime power**, **Natural Gas is the solution**.

Pramac offers a range of solutions that starts from 8 kW for small businesses to large multi-megawatt systems. Our innovative Modular Power Systems (MPS) enable you to add generators as your power needs grow, and to scale the initial investment to meet any budget constraints.

APPLICATIONS

- **Healthcare**
- **Public infrastructure**
- **Transportation infrastructure**
- **Commercial buildings**
- **Data centers**
- **Industrial buildings**

Technology advantages

Pramac's clean burning Gas-fueled Generators can be used to meet the most stringent requirements for critical backup power. Featuring the powerful Generac Spark-Ignited rich burn engines, Pramac Gas Generators-sets can match performance equivalent to traditional Diesel.

Reliability and performance

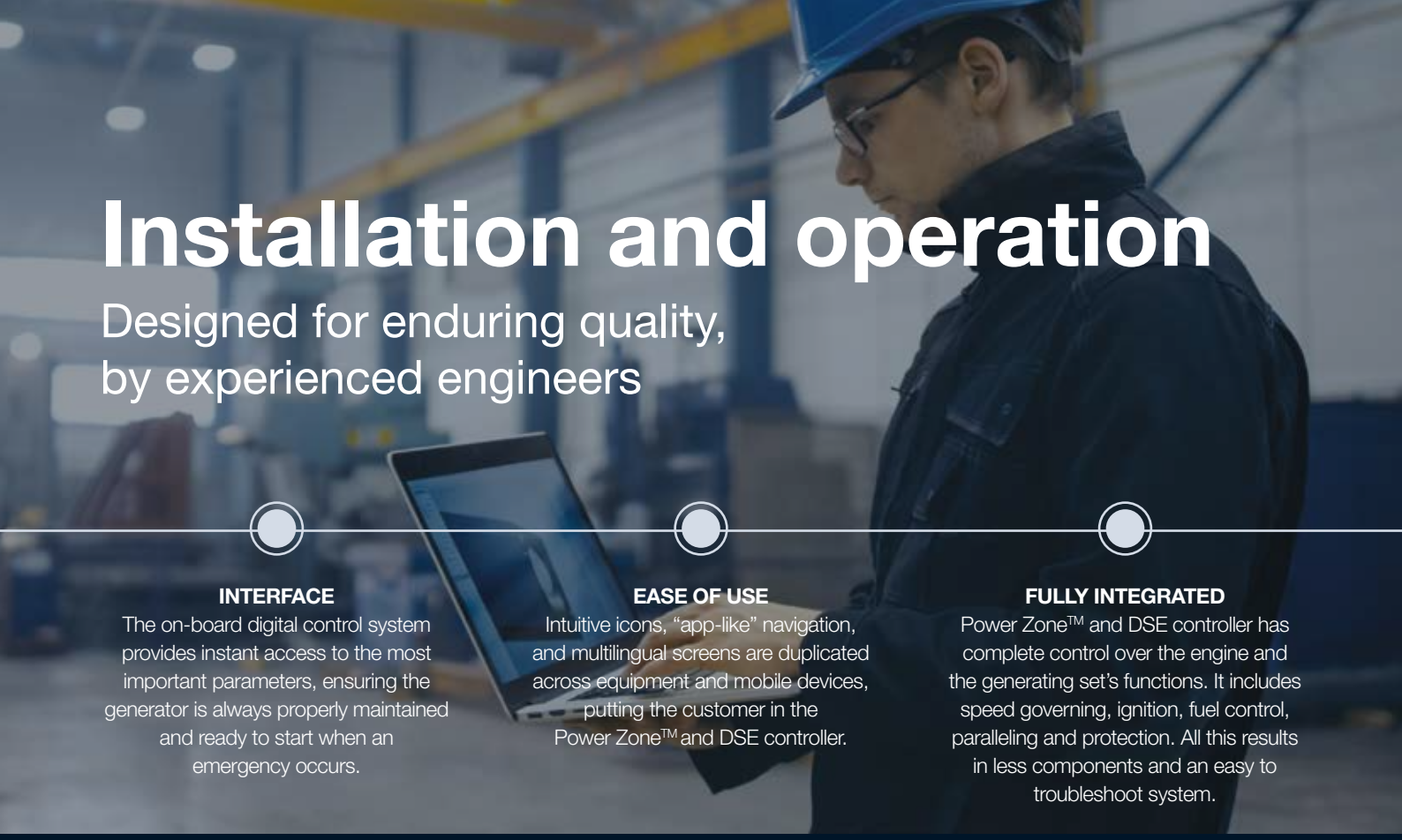
Pramac's Gas Generators-sets feature Generac's Spark-Ignited engines, which are optimised for quick-start and responsiveness to load variations. With its Modular Power Systems, Pramac has perfected the process of paralleling generators through the use of our integrated control technology. Modular paralleling provides the advantages of redundancy, flexibility and scalability, offering customers up to 99.9999% reliability for critical loads.

OUR OWN GAS TECHNOLOGY

Generac Spark-Ignited engines are internally developed and built in-house.

LONG RUNNING TIMES DURING A POWER OUTAGE

A key benefit of using Natural Gas fuel is run time. As Natural Gas is supplied by a utility feed, which elimiates concerns of fuel trucking and re-fueling issues, while providing a "virtually unlimited" run time.



Installation and operation

Designed for enduring quality, by experienced engineers

INTERFACE
The on-board digital control system provides instant access to the most important parameters, ensuring the generator is always properly maintained and ready to start when an emergency occurs.

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™ and DSE controller.

FULLY INTEGRATED
Power Zone™ and DSE controller 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

Natural Gas or propane systems from Pramac, are able to reduce the total cost of ownership over a system’s lifetime compared to traditional Diesel Generators.

INTEGRATED MODULAR - PARALLELING

Capital investment: The ability to add additional power generator modules 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 at a specific point in time, since more additional modules can be added as business grows or power requirements increase.

Installation cost: The capital investment to install two or more lower-kW generators compared to one larger-kW generator can be similar. Paralleled units of smaller power node often leverage the benefit of economy of scale and feature a lower cost per kW compared to larger engine. Their lighter weight makes them easier to move and place on job sites, requiring smaller, less expensive lifting equipment, and their simple design makes may reduce the overall installation cost.

Embedded redundancy: With the embedded paralleling technology, each power generation module can simply be connected to another as a modular power system, without the need for a complex switchgear and external synchronizing equipment.

Fuel cost and security: In many countires the cost of gaseous fuels such as NG and LPG is lower than that of Diesel fuel, which reduces OPEX.

Servicing and maintenance cost: In an Modular Power System each unit can be serviced while others stay on. This increases power security and reduces service downtimes. Also, smaller paralleled generators can also be installed in easy-to-access locations such as on rooftops or in parking garages.

Lower emissions

Reliable. Cleaner. Smarter.

0%
NO PARTICULATE MATTER

UP TO -90%
LOWER NOX EMISSIONS

UP TO -90%
CO EMISSION REDUCTION

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

THE SMARTER FUEL CHOICE

ENVIRONMENTALLY FRIENDLY

Natural Gas-fuelled and LPG propane engines emit fewer nitrogen oxides and particulate matter. Gaseous fuels also reduce the risk of land contamination due to fuel spillage and environmental concerns related to on-site fuel storage.

FUEL RELIABILITY

One of the most commons causes of failure to start of a Diesel Generator is the deterioration of fuel in the tank. Without proper mainteinance, Diesel can go bad as bacteria can lead to the formation of algae. Gaseous fuels eliminate such risks, making this a more secure fuel choice.

FUEL SECURITY

Diesel theft from storage tanks are unfortunately a very common issue. This problem is normally resolved with the use of a Gas Power Generator, in which fuel is much less likely to be stolen.

COVERAGE
GAS A SOLUTION FOR ELEVATED INSTALLATION

LONG RUN TIMES DURING OUTAGES: Since Natural Gas is supplied by a utility with underground pipelines, Gas Power Generators can run up to several weeks during major disastrous weather events.

LOW MAINTENANCE: In Diesel Generators, fuel in the tanks needs to be re-conditioned or polished every 12-16 months to avoid the generation of algae and its consequent deterioration. This is not an issue with Natural Gas.

Technical specifications
for the European markets

MODEL	POWER (ESP) 50Hz	POWER (PRP) 50Hz	ENGINE	FUEL
GGW 35 G	35 kVA/28 kW	32 kVA/26 kW	4.5L	NG/LPG
GGW 50 G	50 kVA/40 kW	45 kVA/36 kW	4.5L	NG/LPG
GGW 70 G	70 kVA/56 kW	-	4.5L-T	NG/LPG
GGW 85 G	85 kVA/68 kW	-	4.5L-T	NG
GGW 100 G	100 kVA/80 kW	90 kVA/72 kW	9L	NG/LPG
GGW 130 G	130 kVA/104 kW	-	9.0L-T	NG/LPG
GGW 150 G	150 kVA/120 kW	-	9.0L-T	NG
GGW 200 G	200 kVA/160 kW	180 kVA/144 kW	14.2L	NG/LPG
GGW 300 G	300 kVA/240 kW	270 kVA/216 kW	14.2L	NG
GGW 400 G	400 kVA/320 kW	360 kVA/288 kW	21.9L	NG
GGW 500 G	500 kVA/400 kW	450 kVA/360 kW	25.8L	NG
GGW 625 G	625 kVA/500 kW	562 kVA/450 kW	33.9L	NG
GGW 750 G	750 kVA/600 kW	625 kVA/500 kW	33.9L	NG

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EN/06_2025_rev.2