Professional Rental Operator

60 – 500 kVA PRO Range
With over 50 years in the Power Generation business, FG Wilson has been a major global player providing power throughout the world.

FG Wilson has a flexible solution for every application through our dedicated Professional Rental Operator (PRO) range. The PRO range offers rental fleet owners product to meet a wide variety of applications.
Our rental generator sets are fuel efficient, easy to operate and fully robust to meet the rigorous requirements of your temporary power needs.

Our fully sound attenuated enclosures have excellent noise reduction making them suitable for residential projects, events and a wide range of other applications.
Applications

Two 200 kVA generator sets providing prime and standby power to a festival stage in Somerset, UK.

Powering 2015 Tall Ships Event at Belfast, Northern Ireland.
Applications

30 rental generator sets ranging from 60 – 500 kVA providing power for a large exhibition at Newbury Showground, UK.

Rental generator set supporting RedBull Crashed Ice event at Stormont Estate, Belfast, Northern Ireland.
Ease Of Movement

Movement of the generator set is aided through a wide range of lifting options. A lifting frame is housed within the enclosure with additional fork lift pockets, 4 point lifting and drag points positioned on the baseframe providing simple lifting and positioning of generator set.

Efficient Operation Designed For All Elements

Designed to operate in the harshest of environments from high ambience up to 43°C down to -5°C. Additional enhancements include the option to add System 4 / Coastal Ingress Protection (CIP) for harsher environments.

Control Panel Options

The PowerWizard 2.1+ is fitted as standard with the option to upgrade to the PowerWizard 4.1. Additional third party control panels are available providing telematics, allowing remote access to your generator sets regardless of where they may be located.

Open Bunded Dual Wall Basetank

A new open bund basetank designed to capture fluid with additional inspection hatches at the end of the basetank.

Ease Of Movement

Movement of the generator set is aided through a wide range of lifting options. A lifting frame is housed within the enclosure with additional fork lift pockets, 4 point lifting and drag points positioned on the baseframe providing simple lifting and positioning of generator set.
Whether you require a generator set to meet the EUIIIa emissions standard or fuel optimised generator sets we have both to meet your needs.

**Key Features**

### 50 / 60 Hz Switchable
An exciting new feature allowing the ability to switch between 50 & 60 Hz frequencies on both fuel optimised and EUIIIa compliant models. The PRO rental range is designed to suit you, regardless of where you are in the world.

### Access
Large canopy doors allow for easy access to operate and perform servicing procedures on the generator set.

### Viscous Clutch Fan Drive
- Improved efficiency - fan operates only when required and at appropriate speed thereby reducing parasitic loads and fuel consumption
- Improved temperature control for extended engine life
- Reduced fan noise
- No maintenance

### Fuel Optimised / EUIIIa Compliance
Whether you require a generator set to meet the EUIIIa emissions standard or fuel optimised generator sets we have both to meet your needs.
Rental Filter
Racor type fuel separator removes water from the fuel which may occur due to condensation.

3-Way Fuel Valve
Fuel feed and returns pass through 3-way valves to allow change over from the set base tank to an external bulk tank.

PowerWizard 2.1+ Digital Control Panel
The digital control panel combines straight forward menu navigation with advanced metering and protection technology. The PowerWizard 2.1+ allows you to monitor, control and operate your generator set within safe parameters and provides important diagnostic information.

Dual Wall Basetank With Leak Alarm & Drag Points
Open bunded dual wall tank designed to catch and contain any potential fluid or oil spillages. The basetank is also fitted with alarm indicating if a leak occur and drag points to aid in installation & positioning on-site.
Robust Galvanised Enclosure

The galvanised enclosures are long lasting and hardwearing to withstand the harshest on-site conditions. The sound attenuated enclosures have excellent noise reduction ideal for applications near residential areas. A centrally located lifting frame is housed within the enclosure. Additional fork lift pockets are designed on the baseframe to allow easy movement whilst on site.

4 Pole Circuit Breaker

Accessible inside the power cubicle at the rear of the canopy. Suitably rated with thermal and magnetic overloads.

Spark Arrestor Designed Within Enclosure

Ensures anyone working around the generator set is protected from hot exhaust components.
The Rental Power you need...

...for Events

...for Construction
PowerWizard 4.1
Upgrade from the PowerWizard 2.1+ providing additional rental features
- True RMS AC metering, 3 Phase
- 12 configurable & 8 dedicated digital inputs
- 16 programmable & 4 dedicated digital outputs
- 3 phase Bus sensing
- Generator set to generator set paralleling

1000 hour service interval
An extension from the standard 500 hours allows for longer service maintenance ideal for the more remote locations

Busbar And Sockets
Power cubicles are located at the side / rear of the generator set with cable terminations and suitably rated CEE form socket outlets with earth leakage protection. Allows for safe and easy connection to site loads
Optional Equipment

CE Certification
A legal requirement if you are to use a generator set within the EU's member states.

Deif AGC-4
Suitable for a wide range of applications, the AGC-4’s standard sequences include backup power, start/stop, synchronisation and load sharing. The AGC-4 supports serial communication protocols including Modbus (RS 485, USB and TCP/IP) and Profibus.

ComAP InteliGen NTC Basebox
Premium generator set controller for both single and multiple gensets operating in standby or parallel modes. Generator set performance log for easy problem tracing and easy remote supervising and servicing. The InteliGen NTC Basebox is used in conjunction with the detachable InteliVision 5 colour display.

Additional Options
- Jacket Water Heaters
- Alternator Heater
- Lube Oil Pump
- Chargers
- PMG’s
- RFI Filter
The FG Wilson PowerWizard digital control panels combine straightforward menu navigation with advanced metering and protection technology. They allow easy generator set monitoring and control with an enhanced range of features and options. Suitable for use in mains failure applications in conjunction with automatic transfer panels, they provide diagnostic information as required.

**PowerWizard 2.1+**

- Run, Auto & Stop keys with LED indicators
- 1500 / 1800 rpm speed selection
- Engine & AC monitoring
- Integrated PLC function
- Additional Spare Digital Input / Output channels
- Active Voltage sender functionality
- Configuration of parameters via front panel or by service tool
- Automatic mains failure transfer switch control
- Under / Overvoltage protection
- Source of event for easier fault finding
- True RMS AC metering
- Data link for long distance annunciator
- Reverse power protection
- Remote monitoring via MODBUS

**PowerWizard 4.1 - (In addition to PW2.1+)**

- 5.5" 480 x 320 pixel LCD display
- Generator set paralleling
- 12 configurable digital inputs
- 8 dedicated digital inputs
- 16 programmable digital outputs
- 4 dedicated digital outputs
- Three phase Bus sensing
To complement the PowerWizard control panel offering we also have the Deif AGC4 and ComAp InteliGen control panels.

**Comap InteliGen**
- Gen-set controller for single or multiple generator sets operating in standby or parallel modes
- Multiple communication options – easy remote supervising and servicing
- Generator set performance log & Event-based history
- Automatic synchronizing and power control
- AMF function, Baseload, Import / Export, Peak shaving, Voltage and PF control (AVR)
- Generator set measurement, mains measurement
- Inputs and outputs configurable for various customer needs
- Controller redundancy
- Integrated PLC programmable functions
- Integrated fixed and configurable protections

**Deif AGC4**
- The Automatic Genset Controller, AGC, contains all necessary functions for protection and control of your generator set
- Multiple operating modes including backup power, start/stop, synchronisation, and load sharing
- Fully compatible with AGC3
- Synchronisation of up to 56 breakers
- Multi-master power management
- Load-dependent start and stop
- Load management
- Emulation for Fast Training & I/O test
- Hot Standby – Change to backup generator set controller on the fly

Deif AGC4 / ComAp InteliGen**NT**
# Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine</th>
<th>Alternator</th>
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Ratings are based on maximum generator set output – this may vary depending on voltage code selected.
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<th>Height (mm)</th>
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<th>Weight (kg) Lube oil, Coolant &amp; Fuel</th>
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Behind each unique concept and power system design is a team of highly skilled, enthusiastic engineers dedicated to delivering your power, when and how you need it.

Meeting your specific power need begins with your local Dealer who have the capability to build, install and commission your customised power system on-site. Our Sales Support Engineers, Project Managers, Mechanical and Electrical Design Engineers, backed by over 300 experienced technicians are available to work alongside your local Dealer.

FG Wilson Dealer Service Teams are there when you need them, wherever you are, whatever the conditions. Over 1,000 Dealer staff receive extensive ongoing FG Wilson led product training. This ensures that specialist technicians will always be available to guarantee that every fitting, or repair, is carried out to our specified standards.

Experts in generator set service support, FG Wilson Dealers can meet any maintenance need, from preventative maintenance contracts to emergency breakdown response. We believe it is the passion of our people and the search for engineering excellence in all we do that gives us the power to deliver the superior support that you expect.
"ONCE AGAIN I WOULD LIKE TO THANK YOU FOR YOUR CONSTANT SUPPORT AND LOOK FORWARD TO CONTINUING OUR EXCELLENT WORKING RELATIONSHIP".

Charlotte Tinworth (Motor Sports Event Planner) in conjunction with Power Electrics (FG Wilson UK Dealer)
FG WILSON MANUFACTURES PRODUCT IN THE FOLLOWING LOCATIONS:
NORTHERN IRELAND • BRAZIL • CHINA • INDIA
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