



www.fgwilson.com

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

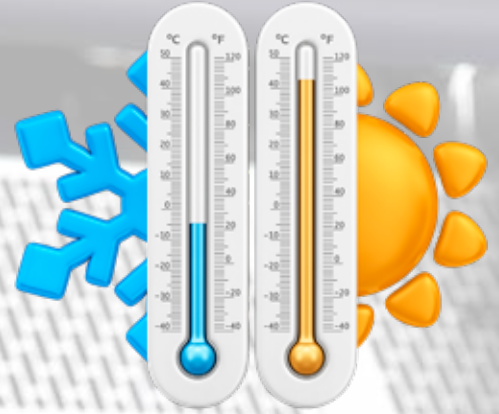


30 rental generator sets ranging from 60 – 500 kVA providing power for a large exhibition at Newbury Showground, UK.



Rental generator set supporting Red Bull Crashed Ice event at Stormount Estate, Belfast , Northern Ireland.

Key Features

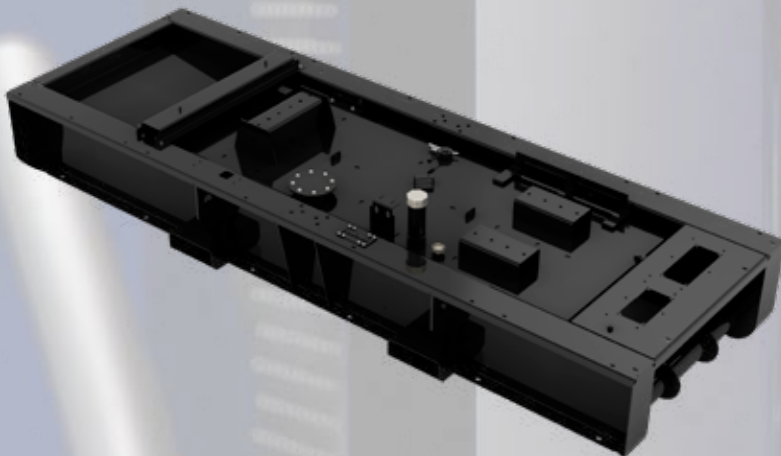


Efficient Operation Designed For All Elements

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.

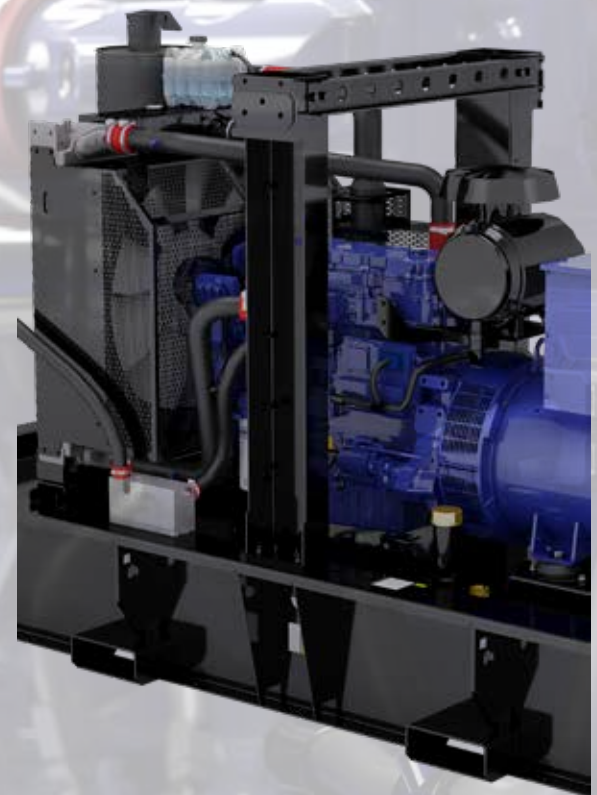
Control Panel Options

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.

Key Features



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.



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.

Standard Equipment

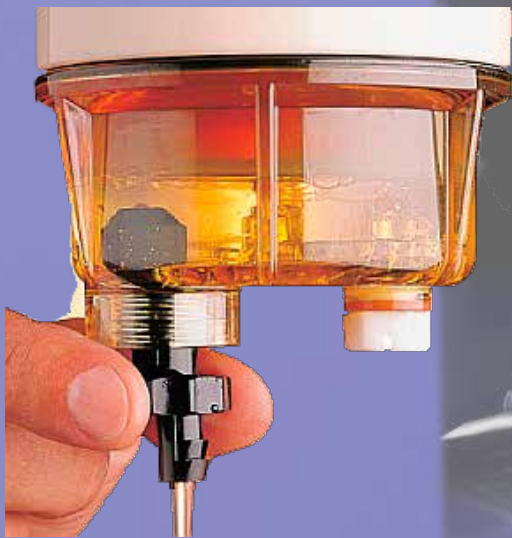


EU IIIa Compliance

EU IIIa Emissions Compliance

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.



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.

Standard Equipment



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 Arrester 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

...for Telecoms



...for Manufacturing

Optional Equipment



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



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



1000 hour service interval

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

Optional Equipment



CE Certification

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



ComAP IntelliGen 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 IntelliGen NTC Basebox is used in conjunction with the detachable IntelliVision 5 colour display.



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.

Additional Options

- Jacket Water Heaters
- Alternator Heater
- Lube Oil Pump
- Chargers
- PMG's
- RFI Filter

PowerWizard 2.1+

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
-

Deif AGC4 / ComAp IntelliGen^{NT}

To complement the PowerWizard control panel offering we also have the Deif AGC4 and ComAp IntelliGen control panels



Comap IntelliGen^{NT}

- 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 Gen-set 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

Technical Data

Generator Technical Data						
Model	Engine	Alternator	50 Hz		60 Hz	
			kVA	kW	kVA	kW
PRO60-2	1104D-44TG2	LL1514P	60	48	68	54
PRO100-1	1104A-44TAG2	LL3114F	100	80	117	94
PRO100-2	1104D-E44TAG2	LL3114F	100	80	100	80
PRO150-1	1106A-70TAG2	LL3114J	150	120	173	172
PRO150-2	1106D-E70TAG3	LL3114J	150	120	185	148
PRO275-2	1506D-E88TAG4	LL5114J	275	220	344	275
PRO300-1	1506A-E88TAG4	LL5114N	300	240	344	275
PRO500-1	2506A-E15TAG2	LL6114F	500	400	525	420
PRO500-2	2506D-E15TAG2	LL6114F	500	400	525	420

Ratings are based on maximum generator set output – this may vary depending on voltage code selected.

Technical Data

Model	Generator Dimensions				Weight (kg)	
	Length (mm)	Width (mm)	Height (mm)	Lube oil & Coolant	Lube oil, Coolant & Fuel	
PRO60-2	2610	1120	1777	1715	2029	
PRO100-1	2770	1120	1847	2027	2456	
PRO100-2	2770	1120	1847	2027	2456	
PRO150-1	3620	1120	2226	2547	3124	
PRO150-2	3620	1120	2226	2547	3124	
PRO275-2	4065	1400	2124	3880	4518	
PRO300-1	4065	1400	2124	3880	4518	
PRO500-1	4930	1620	2167	5288	5986	
PRO500-2	5100	1920	2300	5977	6879	

Product Support / Dealer Network

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.





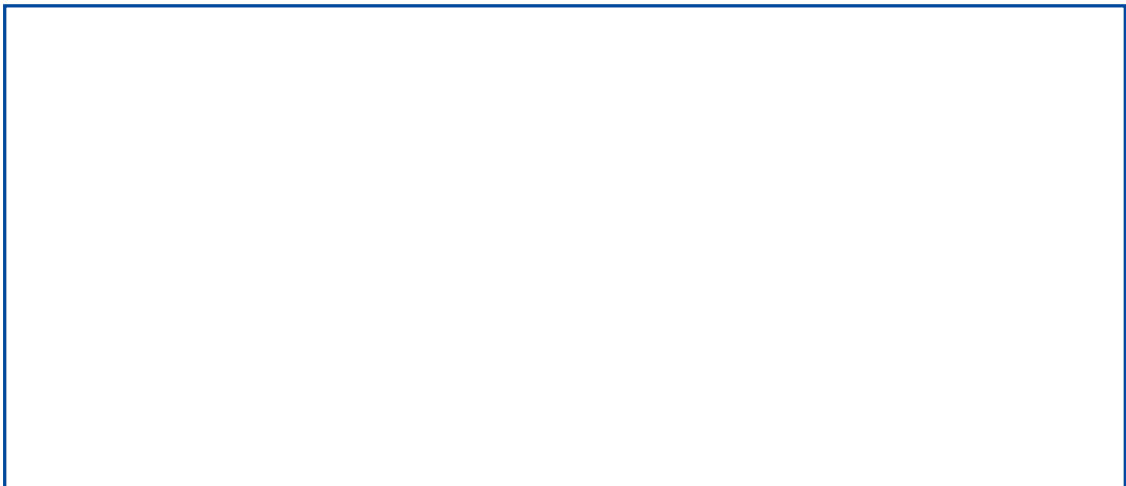
*"ONCE AGAIN I WOULD LIKE TO THANK YOU FOR
YOUR CONSTANT SUPPORT AND LOOK FORWARD TO
CONTINUING OUR EXCELLENT WORKING RELATIONSHIP".*

Charlotte Tinworth (Motor Sports Event Planner) in conjunction with Power Electrics

(FG Wilson UK Dealer)



www.fgwilson.com



FG WILSON MANUFACTURES PRODUCT IN THE FOLLOWING LOCATIONS:

NORTHERN IRELAND • BRAZIL • CHINA • INDIA

WITH HEADQUARTERS IN NORTHERN IRELAND, FG WILSON OPERATES THROUGH A GLOBAL DEALER NETWORK.

TO CONTACT YOUR LOCAL SALES OFFICE PLEASE VISIT THE FG WILSON WEBSITE AT WWW.FGWILSON.COM.

FG WILSON IS A TRADING NAME OF CATERPILLAR (NI) LIMITED.

IN LINE WITH OUR POLICY OF CONTINUOUS PRODUCT DEVELOPMENT, WE RESERVE THE RIGHT TO CHANGE SPECIFICATION WITHOUT NOTICE.