ALLIGHTSYKES



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ONE Global Standard

FG Wilson has built its reputation on providing you with reliable, fuel efficient diesel and gas generator sets.

Our ONE Global Quality Standard ensures that every FG Wilson generator set is designed and manufactured to the highest UK standards. With world-class production processes replicated at all our manufacturing facilities, each achieving ISO 9001 and ISO 14001 certification, we deliver a quality product every time.

With worldwide logistics that span the globe, and a distribution network of 370 Dealers in over 150 countries, we provide reliable power and ongoing support when and where you need it.

The world we live in never stops changing, so neither do we. Our newest power range, 26 – 220 kVA, provides reliable power for today's world with a competitive offering that delivers everything you need.

Providing unrivalled quality, the 26 – 220 kVA range of products offers a trusted performance with an enhanced choice of options, optimising the range for a variety of diverse applications and environments.

Over the past 47 years FG Wilson has been providing power generation systems to meet your needs – today is no different.

Designed for Today's World.



Constructed from high-grade, heavy-duty steel and further protected by powder coat paint, ensuring durability and maximum corrosion resistance, the base frame provides a solid foundation within a more compact footprint. The range also offers an enhanced choice of base frame options depending on your needs.

Open Set Range

The 26 – 220 kVA range has been redesigned to deliver a more competitive offering that includes an enhanced choice of key options. The range continues to employ the power and efficiency delivered by the world-renowned Perkins engines and is available in non–emissions, emissions optimised (EU stage II) and EU stage IIIa emissions compliant variants.



The Leroy Somer alternator is standard on all single phase and three phase mondels.

The control panel tower, mounted on the side of the generator set, provides full access to all components and wiring. Cable access is gained directly underneath the control panel for ease of installation.





The mounting arrangement provides the most frequently serviced parts mounted on the same side of the generator set and includes grouped fuel connections. This arrangement is conducive to minimal maintenance times and maximum generator set running time.



Providing lifting points as standard, aiding transportation and installation, the compact tank base is designed for 8 hours running at full load in prime applications.



The robust steel enclosure structure is protected by an advanced powder coat paint and can be further protected with the galvanised steel option if desired. Side hinged doors and lift-off end panels provide optimal access for all servicing and maintenance tasks.

CAL Enclosed Range

The introduction of the CAL enclosure delivers a competitive alternative to our CAE enclosure range offering a high quality product with excellent sound attenuation and protection for a diverse range of applications. The strong, clean design of the CAL enclosure is available in either mild or galvanised steel, allowing you to further customise this range to suit your needs.



Side hinged doors, on each side of the enclosure, provide ample access to all necessary components during installation and servicing. Lift-off hinges enable the doors to be removed at an angle of 90°, facilitating easy servicing in confined installation spaces.



The robust main roof features a flush-mounted rain cap with compression seal, allowing access to the radiator fill whilst providing protection against water ingress.



The enclosure incorporates unique modular air handing units that contribute to a significant reduction in noise output. Manufactured from a high-grade composite material, they offer optimum corrosion resistance, whilst adding to the enclosure's strong, stylish design.



Cable access is gained directly underneath the control panel via the end of the base frame for ease of installation.

CAE Enclosed Range

The CAE enclosure, instantly recognised by its blue high-grade composite corner posts, delivers excellent levels of quality and performance. The modern design of the enclosure lends itself to optimum performance, durability and serviceability... allowing it to meet the challenges of diverse applications.



Side hinged doors, on each side of the enclosure, provide ample access to all necessary components during installation and servicing. Lift-off hinges allow doors to be removed, even at an angle of 45°, facilitating servicing in the most confined installation spaces.



A robust main roof incorporates, flush-mounted access caps with compression seals, allowing access to the radiator fill and optional single point lift, whilst providing protection against water ingress.



The design incorporates unique modular air handling units that contribute to significant reduction in noise output. Corner posts, manufactured from a high-grade composite material, offer optimum corrosion resistance and provide excellent protection against damage during handling and transportation.



The CAE enclosure can be configured to enhance its suitability for rental applications with the inclusion of CEE form sockets and rental pack option which includes 3 way fuel valve, fuel / water separator, battery isolator switch, breaker terminal extensions and base feet.



Constructed from galvanised steel with an advanced powder coat paint finish, the CAE enclosure range offers excellent protection against the elements. The base frame which extends beyond the enclosure reduces handling damage, whilst side-hinged doors enhance maintenance access and hook latches ensure operator safety by preventing unintended closure. Access for radiator cleaning and maintenance is through easily removed end panels.

PowerWizard 1.1, 1.1+, 2.1

The 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.

P Series sets come standard with PowerWizard 1.1, this can be upgraded to a 1.1+ or 2.1 if required.



PowerWizard 1.1 / 1.1+

- Engine & AC Monitoring
- Run/Auto keys with LED indicators
- Additional Spare Digital Input/Output channels
- Active Voltage sender functionality
- Configuration of parameters via front panel or by service tool
- Additional Analogue input channel (1.1+ only)
- Under/Overvoltage protection (1.1+ only)



PowerWizard 2.1

- Additional monitoring, options and protection
- AC power metering
- Data link for long distance annunciator
- Reverse power protection provided as standard
- Remote monitoring via MODBUS



Technical Data

26 – 220 kVA Range – Non-Emissions Compliant Models

24 – 220 kVA MODELS												
				50 Hz				60 Hz				
Model	Engine	Alternator	Prime		Star	ndby	Pri	Prime		ıdby		
			kVA	kW	kVA	kW	kVA	kW	kVA	kW		
P26-3S	1103A-33G1	LLB1514J	24.0	24.0	26.0	26.0	-	-	-	-		
P40-3S	1103A-33TG1	LLB1514P	36.0	36.0	40.0	40.0	40.0	40.0	45.0	45.0		
P50-5S	1103A-33TG2	LLB3114D	45.0	45.0	50.0	50.0	55.0	55.0	60.0	60.0		
P90-3S	1104C-44TAG2	LLB3114H	82.0	82.0	90.0	90.0	90.0	90.0	99.5	99.5		
P33-3	1103A-33G1		30.0	24.0	33.0	26.4	33.8	27.0	37.5	30.0		
P50-3	1103A-33TG1		45.0	36.0	50.0	40.0	50.0	40.0	56.3	45.0		
P55-3	1103A-33TG2		50.0	40.0	55.0	44.0	56.3	45.0	62.5	50.0		
P65-5	1103A-33TG2		60.0	48.0	65.0	52.0	68.8	55.0	75.0	60.0		
P88-3	1104A-44TG2		80.0	64.0	88.0	70.4	90.0	72.0	100.0	80.0		
P110-3	1104C-44TAG2		100.0	80.0	110.0	88.0	113.0	90.4	125.0	100.0		
P165-5	1106A-70TAG2		150.0	120.0	165.0	132.0	168.8	135.0	187.5	150.0		
P200-3	1106A-70TAG3		180.0	144.0	200.0	160.0	200.0	160.0	218.8	175.0		
P220-3	1106A-70TAG4		200.0	160.0	220.0	176.0	-	-	-	-		

DIMENSIONS												
	Open Set			Enclosed Set (CAL)				Enclosed Set (CAE)				
Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
P26-3S	1570	760	1229	699	-	-	-	-	2120	970	1525	991
P40-3S	1680	760	1336	779					2300	1120	1525	1247
P50-5S	1680	760	1336	912					2300	1120	1525	1340
P90-3S	1980	890	1374	1131					2770	1120	1525	1613
P33-3	1570	760	1229	712					2120	970	1525	991
P50-3	1680	760	1336	810					2300	1120	1525	1191
P55-3	1680	760	1336	810					2300	1120	1525	1196
P65-5	1680	760	1336	852					2300	1120	1525	1207
P88-3	1870	840	1367	1002					2300	1120	1525	1391
P110-3	1980	890	1317	1132					2770	1120	1525	1547
P165-5	2450	1010	1544	1566					3520	1120	1815	2016
P200-3	2510	1010	1640	1650					3520	1320	1815	2198
P220-3	2510	1010	1640	1735					3520	1320	1815	2238

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

Technical Data

26 – 220 kVA Range – Emissions Optimised (EU Stage II) and †EU Stage IIIa Models

24 – 220 kVA MODELS										
			60 Hz							
Model	Engine	Alternator	Prime		Star	ndby	Pri	Prime		dby
			kVA	kW	kVA	kW	kVA	kW	kVA	kW
P26-6S [†]	1103D-33G3	LLB1514J	24.0	24.0	26.0	26.0	-	-	-	-
P40-4S	1103C-33TG2/3	LLB1514P	36.0	36.0	40.0	40.0	-	-	-	-
P55-6S [†]	1104D-44TG2/3	LLB3114D	50.0	50.0	55.0	55.0	-	-	-	-
P90-6S [†]	1104D-E44TAG2	LLB3114H	82.0	82.0	90.0	90.0	-	-	-	-
P33-6 [†]	1103D-33G3	MJB 160 MB4	30.0	24.0	33.0	26.4	-	-	-	-
P50-4	1103C-33TG2/3	MJB 200 SB4	45.0	36.0	50.0	40.0	-	-	-	-
P55-4	1104C-44TG2/3	MJB 200 SB4	50.0	40.0	55.0	44.0	-	-	-	-
P65-6 [†]	1104D-44TG2/3	MJB 200 MA4	60.0	48.0	65.0	52.0	-	-	-	-
P88-6 [†]	1104D-E44TAG1	MJB 200 LA4	80.0	64.0	88.0	70.4	-	-	-	-
P110-6 [†]	1104D-E44TAG2	MJB 225 MA4	100.0	80.0	110.0	88.0	-	-	-	-
P150-4	1106C-E66TAG2	MJB 250 MA4	135.0	108.0	150.0	120.0	-	-	-	-
P165-4	1106C-E66TAG3	MJB 250 MA4	149.9	119.9	165.0	132.0	-	-	-	-
P200-4	1106C-E66TAG4	MJB 250 MB4	180.0	144.0	200.0	160.0	196.9	157.5	218.8	175.0

DIMENSIONS												
	Open Set				Enclosed Set (CAL)				Enclosed Set (CAE)			
Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
P26-6S [†]	1570	760	1229	699	-	-	-	-	2120	970	1525	991
P40-4S	1680	760	1336	771	-	-	-	-	2300	1120	1525	1199
P55-6S [†]	1870	840	1333	941	-	-	-	-	2300	1120	1525	1355
P90-6S [†]	1980	890	1494	1208	-	-	-	-	2770	1120	1525	1653
P33-6 [†]	1570	760	1229	712	-	-	-	-	2120	970	1525	991
P50-4	1680	760	1336	802	-	-	-	-	2300	1120	1525	1183
P55-4	1870	840	1336	864	-	-	-	-	2300	1120	1525	1236
P65-6 [†]	1870	840	1336	906	-	-	-	-	2300	1120	1525	1247
P88-6 [†]	1980	890	1367	1135	-	-	-	-	2770	1120	1525	1529
P110-6 [†]	1980	890	1435	1252	-	-	-	-	2770	1120	1525	1637
P150-4	2450	1010	1554	1675	-	-	-	-	3520	1120	1815	1968
P165-4	2450	1010	1554	1675	-	-	-	-	3520	1120	1815	2003
P200-4	2510	1010	1640	1650	-	-	-	-	3520	1320	1815	2198

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

Standard and Optional Features

26 – 220 kVA Range – Emissions Optimised (EU Stage II) and EU Stage IIIa Models

STANDARD FEATURES

Electronic governor*

Engine-mounted battery charging alternator

Engine-mounted fuel and water separator

Low oil pressure protection

High water temperature protection

Air filters

Alternator with IP23 protection

Coastal insulation protection and RFI filter*

Automatic voltage regulator

Robust steel constructed base frame

8 hr fuel tank

Base frame lifting points

Coolant drain valve

Lube oil drain valve

Customer connection fuel sockets

PowerWizard 1.1 control panel* 3-POLE

Circuit breaker

Exhaust stub pipe and gasket

Radiator fan and charging alternator guards

50% antifreeze (protection to -36°C) Battery

connection cables, tray and clamp

Battery Charger

Men Link

Battery

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OPTIONAL FEATU	

Coolant heater	Low coolant temperature alarm
Anti-condensation heater	Low coolant level shutdown
3 Phase sensing	Fuel level switch
Quadrature droop kit	Low fuel level shutdown
PMG	Low fuel level alarm
Coastal ingress protection	High fuel level alarm
PowerWizard 1.1+ control panel	Set of volt free contacts for common alarm
PowerWizard 2.1 control panel	Volt free contacts for generator set running
4-POLE breakers	Speed adjust potentiometer/switch
Load transfer panels	Voltage adjust potentiometer
Neutral earth link	Panel mounted audible alarm
Skid base	Earth fault
Wide tank base	Earth leakage
Defra bunded fuel tank	Overload via alarm switch on breaker
Industrial silencer (10 dBA reduction)	Tool kit
Residential silencer (25 dBA reduction)	Stone guard and radiator transition flange
Silencer indoor installation kit	Packing case
	CE cortification

CE certification

