

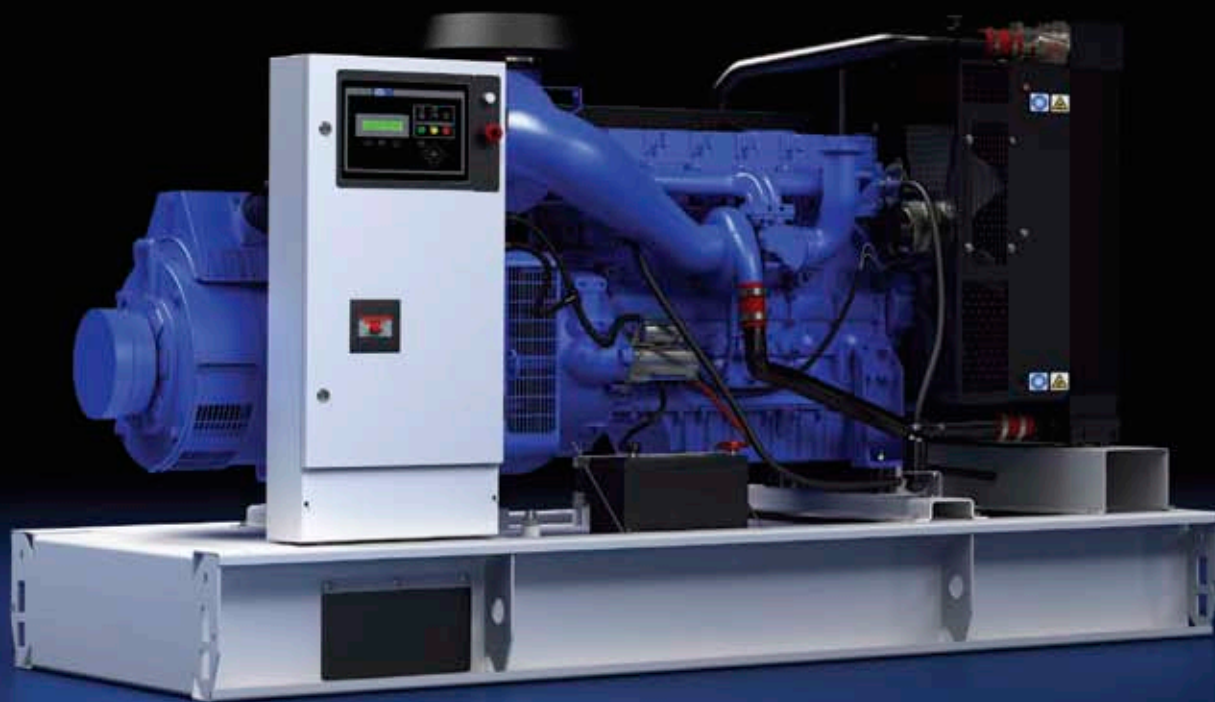
DESIGNED TO DELIVER MORE

Performance | Durability | Serviceability



THE 26 – 200 KVA RANGE

The new 26 – 200 kVA range
...**Designed to Deliver More.**





We understand the unique needs of generating set customers around the world. Forty years experience combined with the latest technology and a focus on engineering excellence has driven the development of the class leading product line we offer today.

We have a reputation for quality within our already successful 26 – 200 kVA power range. Our redesigned range confirms our position as a global leader in the design and manufacture of generating sets and demonstrates our commitment to continuous product improvement. Our latest product development sees us introduce bold new enhancements. Every single model in the new range has been Designed to Deliver More... offering improved performance, durability and serviceability. The new 26 – 200 kVA range offers you outstanding value for money and in turn guarantees maximum efficiency and productivity.

Designed to Deliver More, this exciting product redesign deserves a closer look...

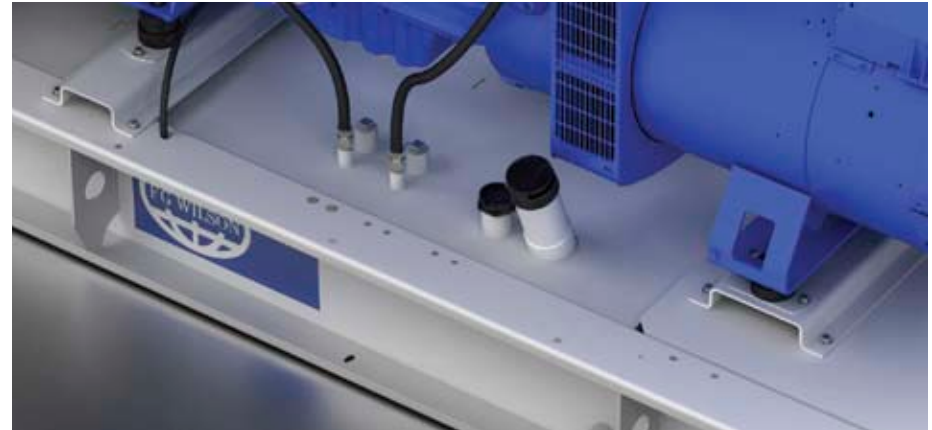
**DESIGNED TO
DELIVER MORE**
Performance | Durability | Serviceability

Open Set Range

A series of subtle yet significant enhancements have been introduced to the 26 – 200 kVA open generating set range, most notably a common sense component arrangement, facilitating greater operator access and service. The new range continues to employ the power and efficiency delivered by the world-renowned Perkins engines and is available in EU Stage II emissions compliant variants.



The mounting arrangement now sees the most frequently serviced parts mounted on the same side of the generating set and incorporates grouped fuel connections. This arrangement is conducive to minimal maintenance times and maximum generating set operation and up time.



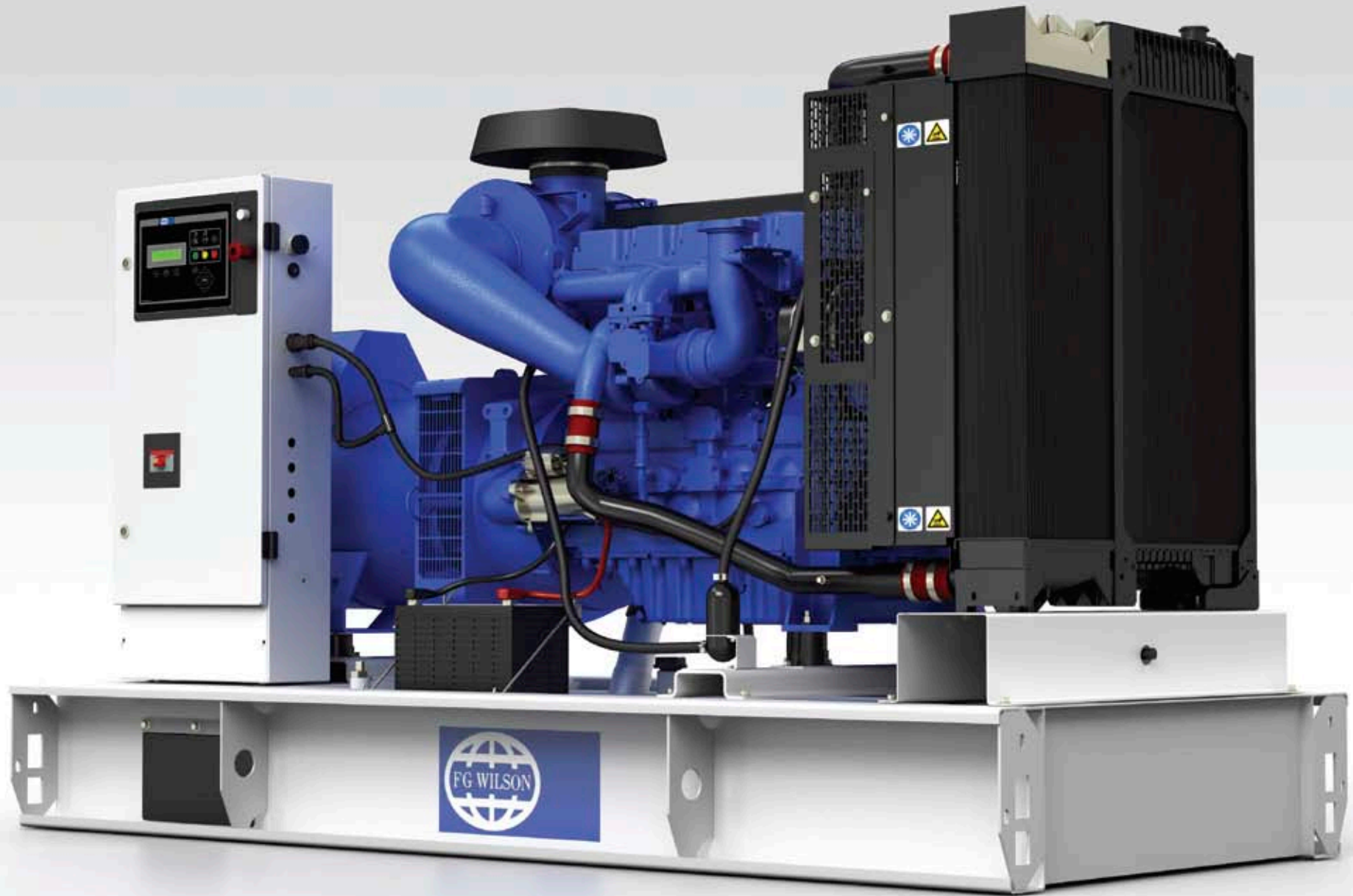
A wide fuel fill neck on the base frame allows easy access and fill by the operator, avoiding spills. The fuel tank is designed for 8 hours running at full load in prime applications. The top of the tank acts as a catchment area for all potential liquid spills and leaks.



The control panel tower mounted on the side of the set, encompasses a full-height door allowing total access to all components and wiring.



Drag points on the base frame ease transportation and reduce the risk of damage during forklift and other handling.



A robustly constructed base frame, paint-coated using advanced processes, offers optimum corrosion resistance. Combined with other enhancements, improvements to generating set performance, durability and serviceability are guaranteed.



A galvanised steel construction, an advanced powder coat paint process and features offering protection against handling damage as standard make our enclosure range the most robust in its class. A 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.

26 – 200 kVA Enclosed Range

The 26 – 200 kVA enclosed set range has evolved to new levels of quality with a fresh design that lends itself to optimum performance, durability and serviceability...allowing it to meet the challenges of diverse applications. Performance enhancements span the areas of robustness, cooling, noise, water ingress and a lot more...



Lift-off hinges allow doors to be totally removed, even at an angle of 45°, facilitating service in the most confined installation spaces. Side-hinged doors on each side of the enclosure allow access to the control panel whilst the generating set is running.



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



The redesign 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. Similarly, the unique modular air-handling units offer optimum corrosion resistance, whilst adding to the enclosure's strong, stylish design.



A removable gland plate offers ample cable access for a bend radius of 8 times the outside diameter of single core cable (up to 300 mm diameter), whilst preventing rodent access.

Rating Summary

SINGLE PHASE MODELS

26 – 200 kVA MODELS														
50 Hz							60 Hz							
Model	Engine	Alternator	Prime		Standby		Prime		Standby		Dimensions			
			kVA	kW	kVA	kW	kVA	kW	kVA	kW	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
P26-1S	1103A-33G1	LLB1014S	24.0	24.0	26.0	26.0	–	–	–	–	1540	970	1361	840
P35-1S	1103A-33TG1	LL2014H	32.0	32.0	35.0	35.0	36.0	36.0	40.0	40.0	1925	1120	1361	980
P50-1S	1103A-33TG2	LL2014J	45.0	45.0	50.0	50.0	50.0	50.0	55.0	55.0	1925	1120	1361	1020

3-PHASE MODELS

26 – 200 kVA MODELS														
50 Hz							60 Hz							
Model	Engine	Alternator	Prime		Standby		Prime		Standby		Dimensions			
			kVA	kW	kVA	kW	kVA	kW	kVA	kW	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
P33-1	1103A-33G1	LL1014S	30.0	24.0	33.0	26.4	33.8	27.0	37.5	30.0	1540	970	1361	840
P50-1	1103A-33TG1	LL2014C	45.0	36.0	50.0	40.0	50.0	40.0	56.3	45.0	1925	1120	1361	930
P55-1	1103A-33TG2	LL2014D	50.0	40.0	55.0	44.0	56.3	45.0	62.5	50.0	1925	1120	1361	930
P65-1	1103A-33TG2	LL2014H	60.0	48.0	65.0	52.0	68.8	55.0	75.0	60.0	1925	1120	1361	980
P88-1	1104A-44TG2	LL2014L	80.0	64.0	88.0	70.4	90.0	72.0	100.0	80.0	1925	1120	1361	1120
P150-1	1006TAG	LL3014F	135.0	108.0	150.0	120.0	150.0	120.0	165.0	132.0	2500	1120	1470	1640
P165-1	1006TAG2	LL3014H	150.0	120.0	165.0	132.0	–	–	–	–	2500	1120	1552	1695

Rating Summary

SINGLE PHASE MODELS

26 – 200 kVA EU STAGE II MODELS														
			50 Hz				60 Hz							
Model	Engine	Alternator	Prime		Standby		Prime		Standby		Dimensions			
			kVA	kW	kVA	kW	kVA	kW	kVA	kW	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
P26-2S	1103C-33G2/3	LLB1014S	24.0	24.0	26.0	26.0	–	–	–	–	1540	970	1361	840
P35-2S	1103C-33TG2/3	LL2014H	32.0	32.0	35.0	35.0	–	–	–	–	1925	1120	1361	972
P50-2S	1104C-44TG2/3	LL2014J	45.0	45.0	50.0	50.0	–	–	–	–	1925	1120	1361	1060
P80-2S	1104C-44TAG2	LL3014F	72.0	72.0	80.0	80.0	82.0	82.0	90.0	90.0	2089	1120	1367	1310

3-PHASE MODELS

26 – 200 kVA EU STAGE II MODELS														
			50 Hz				60 Hz							
Model	Engine	Alternator	Prime		Standby		Prime		Standby		Dimensions			
			kVA	kW	kVA	kW	kVA	kW	kVA	kW	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
P33-2	1103C-33G2/3	LL1014S	30.0	24.0	33.0	26.4	–	–	–	–	1540	970	1361	840
P50-2	1103C-33TG2/3	LL2014C	45.0	36.0	49.7	39.8	–	–	–	–	1925	1120	1361	922
P55-2	1104C-44TG2/3	LL2014D	50.0	40.0	55.0	44.0	–	–	–	–	1925	1120	1361	970
P65-2	1104C-44TG2/3	LL2014H	60.0	48.0	65.0	52.0	–	–	–	–	1925	1120	1361	1020
P88-2	1104C-44TAG1	LL2014L	80.0	64.0	88.0	70.4	–	–	–	–	2089	1120	1367	1140
P110-2	1104C-44TAG2	LL3014B	100.0	80.0	110.0	88.0	113.0	90.4	125.0	100.0	2089	1120	1367	1200
P150-2	1106C-E66TAG2	LL3014F	135.0	108.0	150.0	120.0	–	–	–	–	2500	1120	1528	1680
P165-2	1106C-E66TAG3	LL3014H	149.6	119.7	165.0	132.0	–	–	–	–	2500	1120	1528	1735
P200-2	1106C-E66TAG4	LL5014F	180.0	144.0	200.0	160.0	196.9	157.5	218.8	175.0	2500	1320	1626	1758

Rating Summary – Brazil Models

The generating set models listed below are available from our manufacturing facility in Brazil only, with the exception of models; P88-1 and P150-1.

SINGLE PHASE MODELS

35 – 200 kVA MODELS													
			50 Hz				60 Hz						
Model	Engine	Alternator	Prime		Standby		Prime		Standby		Dimensions		
			kVA	kW	kVA	kW	kVA	kW	kVA	kW	Length (mm)	Width (mm)	Height (mm)
P35-3S	1104A-44G	LL2014H	32.0	32.0	35.0	35.0	36.0	36.0	40.0	40.0	1925	1120	1361
P50-3S	1104A-44TG1	LL2014J	45.0	45.0	50.0	50.0	50.0	50.0	55.0	55.0	1925	1120	1361

3-PHASE MODELS

35 – 200 kVA MODELS													
			50 Hz				60 Hz						
Model	Engine	Alternator	Prime		Standby		Prime		Standby		Dimensions		
			kVA	kW	kVA	kW	kVA	kW	kVA	kW	Length (mm)	Width (mm)	Height (mm)
P44-1	1104A-44G	LL2014C	40.0	32.0	44.0	35.2	45.0	36.0	50.0	40.0	1925	1120	1361
P65-3	1104A-44TG1	LL2014H	60.0	48.0	65.0	52.0	68.8	55.0	75.0	60.0	1925	1120	1361
P88-1	1104A-44TG2	LL2014L	80.0	64.0	88.0	70.4	90.0	72.0	100.0	80.0	1925	1120	1361
P110-2	1104C-44TAG2	LL3014B	100.0	80.0	110.0	88.0	113.0	90.4	125.0	100.0	2089	1120	1367
P150-1	1006TAG	LL3014F	135.0	108.0	150.0	120.0	150.0	120.0	165.0	132.0	2500	1120	1470

Standard and Optional Features

STANDARD FEATURES

Robust steel constructed base frame	IP23 Protection for alternator	Lube oil drain (piped to the edge of base frame, open and enclosed sets)
8hr fuel tank	Fully adjustable electronic governor*	Coolant drain (piped to the edge of base frame, open and enclosed sets)
Battery - ready to run	Engine-mounted battery charging alternator	Rain cap (fitted with anti-rattle bushes)
Industrial silencer (10dB)	Engine-mounted fuel/water separator	
50% antifreeze (Protection to -36°C)	3-POLE circuit breaker	

OPTIONAL FEATURES

CE certification	Bunded base tank (12hr, DEFRA)	Low fuel level shutdown
Sound attenuated EC enclosure (incl. single point lift as standard)	Static battery charger	Low fuel level alarm
Compact baseframe (available on P200 open set only)	Remote fuel system connection	High fuel level alarm
Control panel upgrades available	Manual fuel pump	Low coolant temperature alarm
Automatic transfer switches	Lube oil drain pump	Low coolant level shutdown
Residential silencer (25 dB)	Electronic governor*	Anticondensation heater for alternator
Critical silencer (35 dB)	Permanent magnet excitation system and upgraded AVR options	Coolant heater
Silencer installation kit	Lube oil temperature shutdown	Combined stoneguard and transition flange

* – Electronic governor standard on: P80-2S, P88-2, P110-2, P150-1, P150-2 , P165-1, P165-2, P200-2

OPTION PACK *(AVAILABLE FROM Q3 2010)*

Rental pack:
3 way fuel valves
Fuel/water separators
Battery isolator switch
Breaker terminal extensions
Base feet

Generating Set Operation and Control

Accompanying the new 26 – 200 kVA product range is a new suite of control panels. From the 1002T analogue panel to the PowerWizard range of digital control panels, FG Wilson brings you choice and flexibility as standard.



1002T

The 1002T control panel is equipped with all the necessary generating set instrumentation and protection devices, whilst providing the straight-forward functionality and reliability of a key-start panel.



PowerWizard Range

Our PowerWizard range of digital control panels combine straight-forward menu navigation with advanced metering and protection technology.

These panels allow easy generating set monitoring and control, whilst ensuring your unit operates within safe parameters and provides important diagnostic information when needed.

PowerWizard panels 1.1+ and 2.1 are optional on all models.

Control panel – Generating set model configuration

Generating Set Model	1002T	PW 1.1
Single Phase		
P26-1S	●	○
P26-2S	●	○
P35-1S	●	○
P35-2S	●	○
P35-3S	●	○
P50-1S	●	○
P50-2S	●	○
P50-3S	●	○
P80-2S	●	○
3-Phase		
P33-1	●	○
P33-2	●	○
P44-1	●	○
P50-1	●	○
P50-2	●	○
P55-1	●	○
P55-2	●	○
P65-1	●	○
P65-2	●	○
P88-1	●	○
P88-2	–	●
P110-2	–	●
P150-1	–	●
P150-2	–	●
P165-1	–	●
P165-2	–	●
P200-2	–	●

● – Standard ○ – Optional

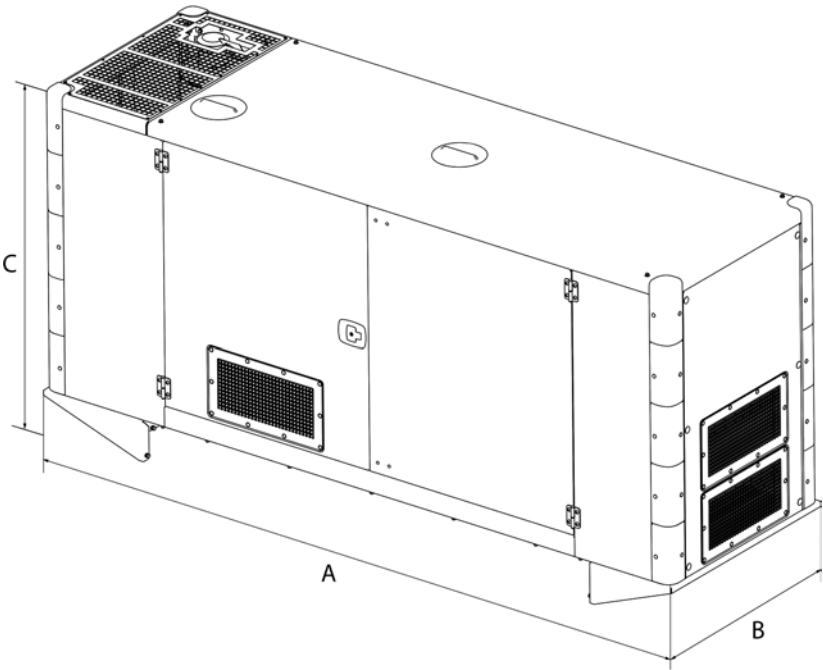
Enclosure Data

SINGLE PHASE MODELS

MODEL	DIMENSIONS		
	A	B	C
	Length (mm)	Width (mm)	Height (mm)
P26-1S – P26-2S	2120	970	1525
P35-1S – P50-3S	2300	1120	1525
P80-2S	2770	1120	1525

3-PHASE MODELS

MODEL	DIMENSIONS		
	A	B	C
	Length (mm)	Width (mm)	Height (mm)
P33-1 – P33-2	2120	970	1525
P44-1 – P88-1	2300	1120	1525
P88-2 – P110-2	2770	1120	1525
P150-1 – P165-2	3520	1120	1815
P200-2	3520	1320	1815



Our Global Dealer Network

FG Wilson is a truly global company with over 3,000 employees and over 40 years experience in the design, manufacture and supply of diesel and gas powered generating sets. We have production facilities in Brazil, China, India, USA and at company headquarters in Northern Ireland. Our manufacturing operations, incorporating an Engineering Centre of Excellence and state of the art Hemi Anechoic (sound testing) Chamber, cover a combined area of 2,000,000 ft² – with the capacity to produce up to 80,000 generating sets each year.

Our product range from 6.8 – 2,200 kVA, includes open and enclosed generating sets for standby domestic use, right up to power modules with the ability to operate as complete power stations supplying electricity to national grids.

Unlike other generating set suppliers, we don't just build products. FG Wilson, in partnership with our Global Dealer Network, provides a complete end-to-end service throughout the product lifecycle. From installation to service and genuine parts support, FG Wilson Dealers assist you in the purchase, operation and maintenance of your diesel or gas generating set. An official FG Wilson Dealer can ensure that factory trained, specialist technicians, with access to the full range of FG Wilson genuine parts and tools, will always be on hand to guarantee that every fitting, or repair, is carried out exactly the way we intended. With more than 180 authorised Dealers operating in over 100 countries worldwide, a global wealth of knowledge and experience is delivered through the expertise, service and support of our Global Dealer network.



