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FG Wilson – Powering The World

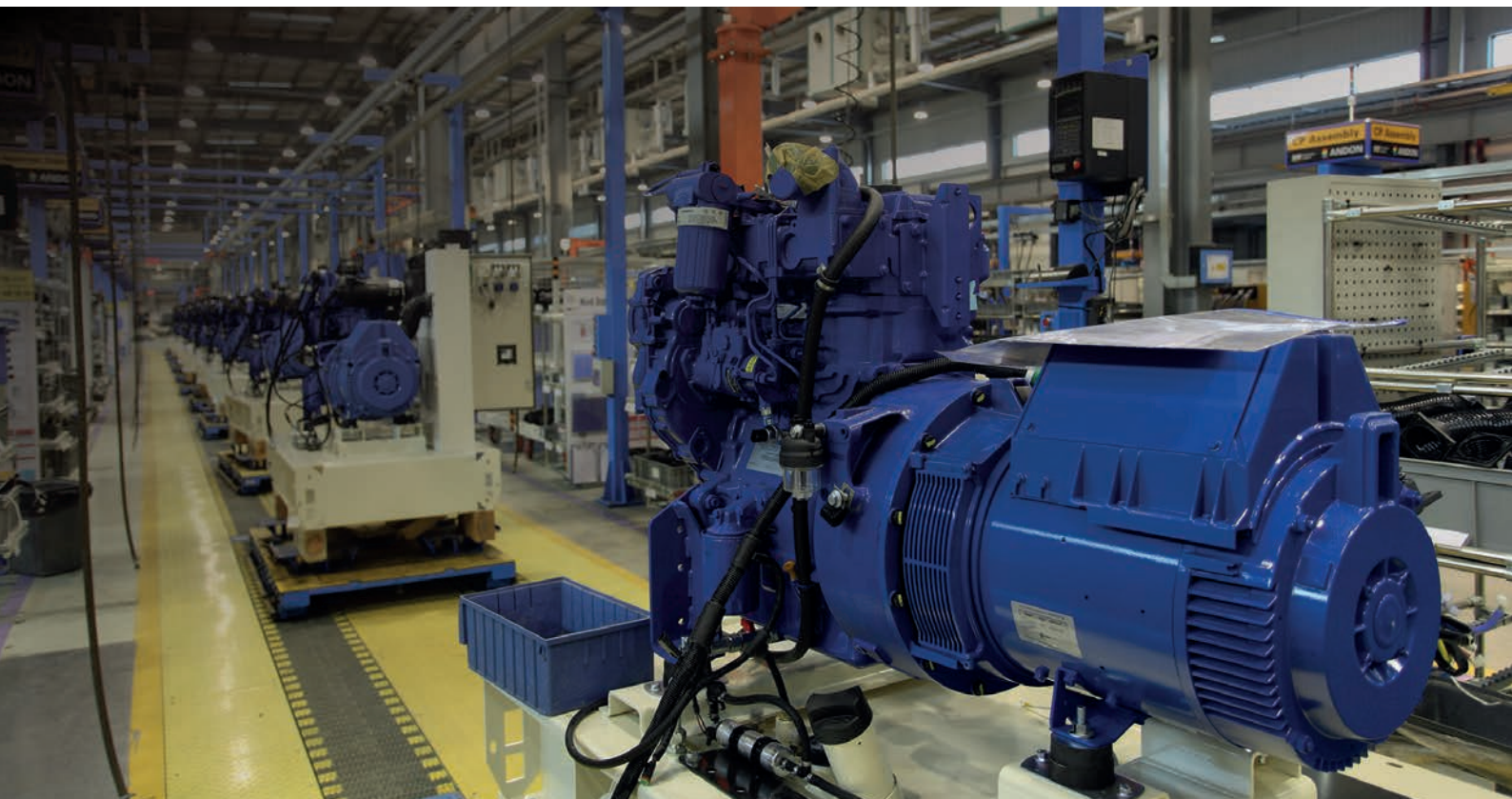
FG WILSON ELECTRIFYING THE WORLD

Founded in 1966 by Fred Wilson with just six employees, today FG Wilson is a leading global provider of generator sets. The world has changed much in that time but the FG Wilson formula of quality, support and value still remains the same more than 50 years later.

Today's range of FG Wilson generator sets builds on our long heritage. Each one of our products sees extensive research and development testing in modern world-class facilities and all are built to designs which have been tried and tested in the toughest of environments. From 6.8 to over 2,500 kVA, FG Wilson offers one of the widest ranges of diesel-fuelled generator sets, built in modern facilities in Europe, Asia and Latin America.

Over our 50 year history, FG Wilson generator sets have been installed in more than 150 countries worldwide by organisations and businesses just like yours. You'll find our generator sets installed in many of the world's most iconic buildings, in hospitals, banks, airports, data centres, factories, construction sites, hotels, offices and telecommunications networks, quietly guaranteeing that they are never without electric power.

Our expertise is built on over 600,000 generator sets installed globally since 1990 alone, in a multitude of applications, in all environments and with a combined power output greater than that of the entire UK mains electricity supply. Today, when you choose one of our products, you benefit from that hard-earned experience.



GLOBAL MANUFACTURING FACILITIES

1

Larne,
UK



2

Tianjin,
China



3

Piracicaba,
Brazil



4

Hosur,
India



UNDERSTANDING CUSTOMER NEEDS

At FG Wilson, we've been building and installing generator sets for half a century. The most important things we've learned in that time are that every project has its own individual needs and that working through a project means not just building the metal but also building relationships and understanding people who work with generator sets.

And once you start using our generator sets on-site, you'll see that they are robust, highly corrosion resistant, fully weather resistant and allow easy access for maintenance.

When your power needs are more challenging than normal specifications, FG Wilson's Power Solutions Team is dedicated to providing bespoke solutions to meet complex power needs on a project-by-project basis. Our Solutions offerings include diesel, gas, bi-fuel and high voltage generator sets. Key generator set systems including generator controls, PLCs, synchronising, cooling systems and enclosures can all be customised to suit any requirement.

QUALITY COMES AS STANDARD

Since 1990 we've installed well over 600,000 generator sets with a total capacity of almost 90 GW - more than the total installed mains electricity capacity of a country like the UK. With that number of machines across the world, we take no risks with quality.

This means we only buy components which we have carefully tested and that we work with world-leading manufacturing processes, right through to extensive post production testing and pre-delivery inspections. No one is more serious about quality.

All our manufacturing facilities have been awarded ISO 9001 and ISO 14001 certification in recognition of our manufacturing and environmental standards. This means that our products and services are safe, reliable and of world-class quality.

With enterprise-wide manufacturing standards such as MQ 12005 Gold and Caterpillar Production Systems (CPS), we use efficient manufacturing processes to produce cost-effective, quality products.

Our facility in Tianjin, China, has also been awarded LEED Gold certification (Leadership in Energy and Environmental Design) for its environmental standards and energy efficiency.



INDUSTRY LEADING PRODUCTS

In the early 1980s, FG Wilson was among the first to bring mass-scale production to generator sets. Today our designs have moved on into a new century and that philosophy of our founders remains as strong as ever: self-contained generator sets which are easy to install and operate, designed for a long and productive working life and which represent value for money.

Our product range covers power outputs from 6.8 – 2,500 kVA and an extensive list of options means that our standard range can be configured in a huge number of ways. From day one, we've always thought of a generator set as an entire package. This kind of thinking has helped us do some truly innovative things, like being one of the first volume manufacturers to integrate an entire generator set package inside the enclosure, well over 30 years ago.

And all FG Wilson products worldwide, are fully supported by the FG Wilson warranty programme and by your local FG Wilson dealer, which means just one call for technical advice, genuine parts and ongoing maintenance support.



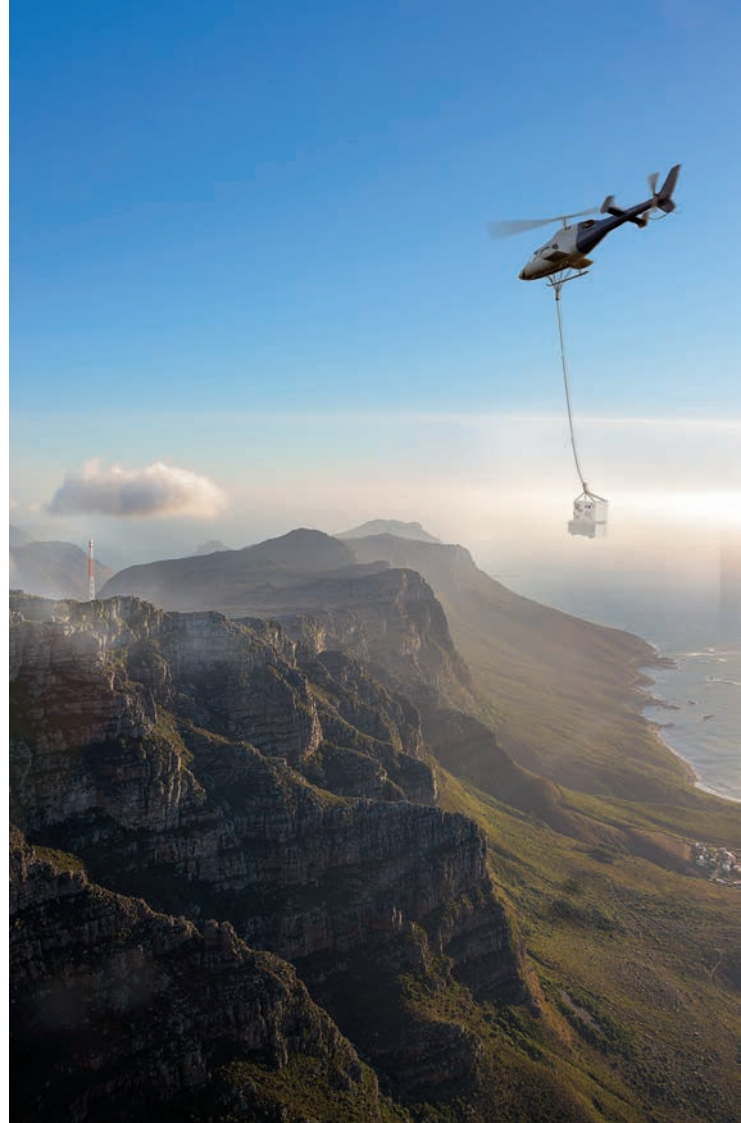
POWER FOR REMOTE LOCATIONS

The FG Wilson Remote Power range has been designed with a strong focus on operating costs. It's perfect for telecoms users or indeed for anyone who needs to install a generator set in places which are remote or difficult to access.

From top to bottom, the range is designed to make life easier for you:

- » 1,000 hour service intervals mean you need to make fewer site visits
- » 600, 1,000 & 2,000 litre fuel tanks so you need to refuel less often
- » Three levels of sound attenuation ensure that the range meets local noise regulations and that you can choose the enclosure which is right for your needs
- » New LCD control panels with optional remote communications make day to day operations simpler. The ability to monitor units from the Telecom NOC maximises uptime and means you can prepare for more effective site visits and minimise servicing costs

The range has undergone rigorous validation testing and is built for a long and productive life.



SMALL PRODUCT RANGE (< 220 KVA)

Generator Set Model	Generator Set				Engine / Electrical						Fuel Tank / Consumption				Weights & Dimensions				Alternator Details											
	Prime 50 Hz (kVA/kW)	Standby 50 Hz (kVA/kW)	Prime 60 Hz (kVA/kW)	Standby 60 Hz (kVA/kW)	50 Hz (V)	60 Hz (V)	Control Panel	Engine Model	Voltage (V)	Battery Charger (A)	Cylinders / Alignment	Governing Type	Induction	Cooling Sys Capacity (L)	Circuit Breaker	Fuel Tank (L)	50 Hz Prime (l/hr)	50 Hz Standby (l/hr)	60 Hz Prime (l/hr)	60 Hz Standby (l/hr)	Length (mm)	Width (mm)	Height (mm)	Wet Weight (kg)	Alternator	Alternator Model	No. of Bearings	Insulation Class	Ingress Protection	EU IIIa Compliance
P7.5-1S (skid)	6.8/6.8	7.5/7.5	-	-	230	-	DSE4520	403A-11G1	12	15	3 / In-line	M	NA	4.9	5.2	3 Pole MCB	N/A	2.6	2.9	-	1500	860	895	242	LS	LLB1114B	1	H	IP23	x
P7.5-4S (skid)	6.8/6.8	7.5/7.5	8.0/8.0	8.8/8.8	230	240	DSE4520	403D-11G	12	40	3 / In-line	M	NA	4.9	5.2	3 Pole MCB	62	2.5	2.8	2.9	1500	860	895	242	LS	LL1114D	1	H	IP23	✓
P7.5-4S	6.8/6.8	7.5/7.5	8.0/8.0	8.8/8.8	230	240	DCP10	403D-11G	12	40	3 / In-line	M	NA	4.9	5.2	3 Pole MCB	62	2.5	2.8	2.9	1400	620	996	308	LS	LLB1114D	1	H	IP23	✓
P9.5-1 (skid)	8.5/6.8	9.5/7.6	-	-	400	-	DSE4520	403A-11G1	12	15	3 / In-line	M	NA	4.9	5.2	3 Pole MCB	N/A	2.6	2.9	-	1500	860	895	235	LS	LL1114B	1	H	IP23	x
P9.5-4 (skid)	8.5/6.8	9.5/7.6	10.0/8.0	11.0/8.8	400	220	DSE4520	403D-11G	12	40	3 / In-line	M	NA	4.9	5	3 Pole MCB	62	2.6	2.9	3.0	1500	860	895	235	LS	LL1114B	1	H	IP23	✓
P9.5-4	8.5/6.8	9.5/7.6	10.0/8.0	11.0/8.8	400	220	DCP10	403D-11G	12	40	3 / In-line	M	NA	4.9	5	3 Pole MCB	62	2.6	2.9	3.0	1400	620	996	308	LS	LL1114B	1	H	IP23	✓
P11-6S (skid)	10.0/10.0	11.0/11.0	12.0/12.0	13.0/13.0	230	240	DSE4520	403D-15G	12	65	3 / In-line	M	NA	6	5	3 Pole MCB	62	3.6	4.1	4.3	1500	860	895	319	LS	LLB1114F	1	H	IP23	✓
P11-6S	10.0/10.0	11.0/11.0	12.0/12.0	13.0/13.0	230	240	DCP10	403D-15G	12	65	3 / In-line	M	NA	6	5	3 Pole MCB	62	3.6	4.1	4.3	1400	620	1054	384	LS	LLB1114F	1	H	IP23	✓
P13.5-6 (skid)	12.5/10.0	13.5/10.8	15.0/12.0	16.5/13.2	400	220	DSE4520	403D-15G	12	65	3 / In-line	M	NA	6	5	3 Pole MCB	62	3.7	4.0	4.3	1500	860	895	312	LS	LL1114D	1	H	IP23	✓
P13.5-6	12.5/10.0	13.5/10.8	15.0/12.0	16.5/13.2	400	220	DCP10	403D-15G	12	65	3 / In-line	M	NA	6	5	3 Pole MCB	62	3.7	4.0	4.3	1400	620	1054	308	LS	LL1114D	1	H	IP23	✓
P14-6S (skid)	13.0/13.0	14.0/14.0	15.5/15.5	17.0/17.0	230	240	DSE4520	404D-22G1	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	66	4.3	4.6	5.2	1500	860	895	381	LS	LLB1114L	1	H	IP23	✓
P14-6S	13.0/13.0	14.0/14.0	15.5/15.5	17.0/17.0	230	240	DCP10	404D-22G1	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	66	4.3	4.6	5.2	1500	860	895	381	LS	LLB1114L	1	H	IP23	✓
P16-1 (skid)	14.5/11.6	16.0/12.8	-	-	400	-	DSE4520	403A-15G2	12	40	3 / In-line	M	NA	6	6	3 Pole MCB	N/A	4.1	4.7	-	1500	860	895	339	LS	LL1114M	1	H	IP23	x
P16.5-1S (skid)	15.0/15.0	16.5/16.5	-	-	230	-	DSE4520	404A-22G1	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	N/A	5.0	5.6	-	1500	860	895	389	LS	LLB1114M	1	H	IP23	x
P16.5-6S (skid)	15.0/15.0	16.5/16.5	17.6/17.6	19.4/19.4	230	240	DSE4520	404D-22G	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	66	4.9	5.5	5.7	1500	860	895	389	LS	LLB1114M	1	H	IP23	✓
P16.5-6S	15.0/15.0	16.5/16.5	17.6/17.6	19.4/19.4	230	240	DCP10	404D-22G	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	66	4.9	5.5	5.7	1500	860	895	389	LS	LLB1114M	1	H	IP23	✓
P18-6 (skid)	16.5/13.2	18.0/14.4	20.0/16.0	22.0/17.6	400	220	DSE4520	404D-22G1	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	66	4.4	4.8	5.2	1500	860	895	376	LS	LL1114H	1	H	IP23	✓
P18-6	16.5/13.2	18.0/14.4	20.0/16.0	22.0/17.6	400	220	DCP10	404D-22G1	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	66	4.4	4.8	5.2	1500	620	1115	441	LS	LL1114H	1	H	IP23	✓
P22-1 (skid)	20.0/16.0	22.0/17.6	-	-	400	-	DSE4520	404D-22G	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	-	5.4	6.1	-	1500	620	1115	389	LS	LL1114M	1	H	IP23	x
P22-6 (skid)	20.0/16.0	22.0/17.6	22.5/18.0	25.0/20.0	400	220	DSE4520	404D-22G	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	66	5.3	5.9	5.8	1500	860	895	389	LS	LL1114M	1	H	IP23	✓
P22-6	20.0/16.0	22.0/17.6	22.5/18.0	25.0/20.0	400	220	DCP10	404D-22G	12	65	4 / In-line	M	NA	10.6	7	3 Pole MCB	66	5.3	5.9	5.8	1500	620	1115	454	LS	LL1114M	1	H	IP23	✓
P26-3S	24.0/24.0	26.0/26.0	27.0/27.0	30.0/30.0	230	240	DCP10	1103A-33G1	12	65	3 / In-line	M	NA	8.3	10	3 Pole MCCB	71	6.9	7.5	8.1	1570	760	1229	699	LS	LLB1514J	1	H	IP23	x
P26-6S	24.0/24.0	26.0/26.0	-	-	230	-	DCP10	1103D-33G3	12	65	3 / In-line	M	NA	8.3	10	3 Pole MCCB	71	7.4	7.9	-	1570	760	1229	699	LS	LLB1514J	1	H	IP23	✓
P33-3	30.0/24.0	33.0/26.4	33.8/27	37.5/30	400	480	DCP10	1103A-33G1	12	65	3 / In-line	M	NA	8.3	10	3 Pole MCB	71	6.9	7.7	8.1	1570	760	1229	712	MA	MJB 160 MB4	1	H	IP23	x
P33-6	30.0/24.0	33.0/26.4	-	-	400	-	DCP10	1103D-33G3	12	65	3 / In-line	M	NA	8.3	10	3 Pole MCB	71	7.4	8.2	-	1570	760	1229	712	MA	MJB 160 MB4	1	H	IP23	✓
P40-3S	36.0/36.0	40.0/40.0	40.0/40.0	45.0/45.0	230	240	DCP10	1103A-33TG1	12	65	3 / In-line	M	T	8.3	10	3 Pole MCCB	145	10.2	11.4	11.8	1680	760	1336	779	LS	LLB1514P	1	H	IP23	x
P40-4S	36.0/36.0	40.0/40.0	-	-	230	-	DCP10	1103C-33TG2/3	12	65	3 / In-line	M	T	8.3	13	3 Pole MCCB	145	10.2	11.3	-	1680	760	1336	771	LS	LLB1514P	1	H	IP23	x
P50-3	45.0/36.0	50.0/40.0	50.0/40.0	56.3/45.0	400	480	DCP10	1103A-33TG1	12	65	3 / In-line	M	T	8.3	10	3 Pole MCCB / 3 Pole MCCB	145	10.5	11.7	11.9	1680	760	1336	810	MA	MJB 200 SB4	1	H	IP23	x

EL - Electronic ME - Mechanical

FG - FG Wilson Ma - Marelli LS - Leroy Somer

NA - Naturally Aspirated T - Turbocharged

TAA - Turbocharged Air-Air TAW - Turbo Air To Water Charge Cooled

SMALL PRODUCT RANGE (< 220 KVA)

Generator Set Model	Generator Set				Engine/Electrical						Fuel Tank / Consumption				Weights & Dimensions				Alternator Details												
	Prime 50 Hz (kVA/kW)	Standby 50 Hz (kVA/kW)	Prime 60 Hz (kVA/kW)	Standby 60 Hz (kVA/kW)	50 Hz (V)	60 Hz (V)	Control Panel	Engine Model	Voltage (V)	Battery Charger (A)	Cylinders / Alignment	Governing Type	Induction	Total Oil Capacity (L)	Cooling Sys Capacity (L)	Circuit Breaker	Fuel Tank (L)	50 Hz Prime (l/hr)	50 Hz Standby (l/hr)	60 Hz Prime (l/hr)	60 Hz Standby (l/hr)	Length (mm)	Width (mm)	Height (mm)	Wet Weight (kg)	Alternator	Alternator Model	No. of Bearings	Insulation Class	Ingress Protection	EU IIIa Compliance
P50-4	45/36	50/40	-	-	400	-	DCP10	1103C-33TG2/3	12	65	3 / In-line	M	T	8.3	10	3 Pole MCB	145	10.6	11.8	-	-	1680	760	1336	802	MA	MJB 200 SB4	1	H	IP23	x
P50-55	45/45	50/50	55/55	60/60	230	240	DCP10	1103A-33TG2	12	65	3 / In-line	M	T	8.3	10	3 Pole MCB	145	12.6	14.2	15.8	17.3	1680	760	1336	912	LS	LLB3114D	1	H	IP23	x
P55-3	50/40	55/44	56.3/45	62.5/50	400	480	DCP10	1103A-33TG2	12	65	3 / In-line	M	T	8.3	10	3 Pole MCB / 3 Pole MCB	145	11.6	12.8	13.7	15.2	1680	760	1336	810	MA	MJB 200 SB4	1	H	IP23	x
P55-4	50/40	55/44	-	-	400	-	DCP10	1104C-44TG2/3	12	65	4 / In-line	M	T	8	13	3 Pole MCB	180	15.9	17.4	-	-	1870	840	1336	864	MA	MJB 200 SB4	1	H	IP23	x
P55-65	50/50	55/55	-	-	230	-	DCP10	1104D-44TG2/3	12	65	4 / In-line	M	T	8	17	3 Pole MCB	180	16.5	18.2	-	-	1870	840	1336	941	LS	LLB3114D	1	H	IP23	✓
P65-5	60/48	65/52	68.8/55	75/60	400	480	DCP10	1103A-33TG2	12	65	3 / In-line	M	T	8.3	10	3 Pole MCB / 3 Pole MCB	145	13.7	15.0	16.3	18.0	1680	760	1336	852	MA	MJB 200 MA4	1	H	IP23	x
P65-6	60/48	65/52	-	-	400	-	DCP10	1104D-44TG2/3	12	65	4 / In-line	M	T	8	17	3 Pole MCB	180	16.6	18.3	-	-	1870	840	1336	906	MA	MJB 200 MA4	1	H	IP23	✓
P88-3	80/64	88/70.4	90/72	100/80	400	480	DCP10	1104A-44TG2	12	65	4 / In-line	M	T	8	13	3 Pole MCB	180	18.2	20.1	21.0	23.2	1870	840	1333	1002	MA	MJB 200 LA4	1	H	IP23	x
P88-6	80/64	88/70.4	-	-	400	-	PW1.1	1104D-E44TAG1	12	65	4 / In-line	M	TAA	8	17	3 Pole MCB	218	20.2	21.7	-	-	1980	890	1398	1135	MA	MJB 200 LA4	1	H	IP23	✓
P90-35	82/82	90/90	90/90	99.5/99.5	230	240	DCP10	1104C-44TAG2	12	65	4 / In-line	E	TAA	8	17	3 Pole MCB	218	22.1	24.3	26.0	28.8	1980	890	1374	1131	LS	LLB3114H	1	H	IP23	x
P90-65	82/82	90/90	-	-	230	-	PW1.1	1104D-E44TAG2	12	65	4 / In-line	E	TAA	8	17	3 Pole MCB	218	24.2	25.7	-	-	1980	890	1449	1208	LS	LLB3114H	1	H	IP23	✓
P110-3	100/80	110/88	113/90.4	125/100	400	480	DCP10	1104C-44TAG2	12	65	4 / In-line	E	TAA	8	17	3 Pole MCB	218	21.7	23.9	26.1	29.0	1980	890	1317	1132	MA	MJB 225 MA4	1	H	IP23	x
P110-6	100/80	110/88	-	-	400	-	PW1.1	1104D-E44TAG2	12	65	4 / In-line	E	TAA	8	17	3 Pole MCB	218	23.8	25.5	-	-	1980	890	1435	1252	MA	MJB 225 MA4	1	H	IP23	✓
P150-5	135/108	150/120	150/120	165/132	400	480	DCP10	1106A-70TG1	12	65	6 / In-line	M	T	16.5	21	3 Pole MCB	327	29.9	33.4	33.1	36.7	2450	1010	1554	1428	MA	MJB 225 LA4	1	H	IP23	x
P165-5	150/120	165/132	169/135	188/150	400	480	DCP10	1106A-70TAG2	12	85	6 / In-line	M	TAA	16.5	21	3 Pole MCB	327	32.4	35.1	37.9	41.6	2450	1010	1554	1566	MA	MJB 250 MA4	1	H	IP23	x
P165-6	150/120	165/132	-	-	400	-	PW1.1	1106D-E70TAG2	12	65	6 / In-line	M	TAA	17.5	21	3 Pole MCB	327	35.2	37.8	-	-	2450	1010	1554	1611	MA	MJB 250 MA4	1	H	IP23	✓
P175-2	160/128	175/140	-	-	400	-	PW1.1	1106D-E70TAG3	12	65	6 / In-line	E	TAA	17.5	21	3 Pole MCB	327	36.9	39.7	-	-	2450	1010	1554	1611	MA	MJB 250 MA4	1	H	IP23	✓
P200-3	180/144	200/160	200/160	219/175	400	480	DCP10	1106A-70TAG3	12	85	6 / In-line	M	TAA	16.5	27	3 Pole MCB	394	39.8	43.2	46.5	50.6	2510	1010	1640	1650	MA	MJB 250 MB4	1	H	IP23	x
P200-6	180/144	200/160	-	-	400	-	PW1.1	1106D-E70TAG4	12	65	6 / In-line	E	TAA	17.5	27	3 Pole MCB	394	41.3	45.2	-	-	2510	1010	1640	1624	MA	MJB 250 MB4	1	H	IP23	✓
P220-3	200/160	220/176	-	-	400	-	DCP10	1106A-70TAG4	12	85	6 / In-line	E	TAA	16.5	27	3 Pole MCB	394	45.1	49.0	-	-	2510	1010	1640	1735	MA	MJB 250 LA4	1	H	IP23	x

EL - Electronic ME - Mechanical

FG - FGWilson Ma - Marelli LS - Leroy Somer

Opt - Optional

NA - Naturally Aspirated T - Turbocharged

TAA - Turbocharged Air-Air TAW - Turbo Air To Water Charge Cooled

MEDIUM PRODUCT RANGE (225 – 750 KVA)

Generator Set Model	Generator Set				Engine / Electrical						Fuel Tank / Consumption					Weights & Dimensions				Alternator Details											
	Prime 50 Hz (kVA/kW)	Standby 50 Hz (kVA/kW)	Prime 60 Hz (kVA/kW)	Standby 60 Hz (kVA/kW)	50 Hz (V)	60 Hz (V)	Control Panel	Engine Model	Voltage (V)	Battery Charger (A)	Cylinders / Alignment	Governing Type	Induction	Total Oil Capacity (L)	Cooling Sys Capacity (L)	Circuit Breaker	Fuel Tank (L)	50 Hz Prime (l/hr)	50 Hz Standby (l/hr)	60 Hz Prime (l/hr)	60 Hz Standby (l/hr)	Length (mm)	Width (mm)	Height (mm)	Wet Weight (kg)	Alternator	Alternator Model	No. of Bearings	Insulation Class	Ingress Protection	EU IIIa Compliance
P249-3	-	-	225/ 180	250/ 200	-	480	PW1.1+	1506A-E88TAG2	24	45	6 / In-line	E	TAA	39	33	3 Pole MCCB	464	-	48.5	53	2662	1030	1754	2044	MA	MJB 250 LA4	1	H	IP23	x	
P250-3	230/ 184	250/ 200	-	-	400	-	PW1.1+	1506A-E88TAG2	24	45	6 / In-line	E	TAA	39	33	3 Pole MCCB	464	47.8	-	-	2662	1030	1754	2084	MA	MJB 250 LB4	1	H	IP23	x	
P275-3	250/ 200	275/ 220	-	-	400	-	PW1.1+	1506A-E88TAG3	24	45	6 / In-line	E	TAA	39	33	3 Pole MCCB	464	51.3	56	-	2662	1030	1754	2084	MA	MJB 250 LB4	1	H	IP23	x	
P300-2	275/ 220	300/ 240	-	-	400	-	PW1.1+	1506D-E88TAG4	24	45	6 / In-line	E	TAA	39	36	3 Pole MCCB	587	60.6	-	-	3300	1100	1771	2426	LS	LL5014J	1	H	IP23	✓	
P300-3	275/ 220	300/ 240	-	-	400	-	PW1.1+	1506A-E88TAG4	24	45	6 / In-line	E	TAA	39	36	3 Pole MCCB	587	58.1	-	-	3300	1100	1771	2426	LS	LL5014J	1	H	IP23	x	
P313-3	-	-	281/ 225	313/ 250	-	480	PW1.1+	1506A-E88TAG3	24	45	6 / In-line	E	TAA	39	33	3 Pole MCCB	464	-	59.1	64.9	2662	1030	1754	2084	MA	MJB 250 LB4	1	H	IP23	x	
P330-3	300/ 240	330/ 264	-	-	400	-	PW1.1+	1506A-E88TAG5	24	45	6 / In-line	E	TAA	39	36	3 Pole MCCB	587	62.5	-	-	3300	1100	1771	2546	LS	LL5014L	1	H	IP23	x	
P344-3	-	-	313/ 250	344/ 275	-	480	PW1.1+	1506A-E88TAG4	24	45	6 / In-line	E	TAA	39	36	3 Pole MCCB	587	-	-	66.2	72.3	3300	1100	1771	2426	LS	LL5014J	1	H	IP23	x
P375-2	-	-	338/ 270	375/ 300	-	480	PW1.1+	1506D-E88TAG4	24	45	6 / In-line	E	TAA	39	36	3 Pole MCCB	587	-	-	74.6	82	3300	1100	1771	2426	LS	LL5014J	1	H	IP23	✓
P375-3	-	-	338/ 270	375/ 300	-	480	PW1.1+	1506A-E88TAG5	24	45	6 / In-line	E	TAA	39	36	3 Pole MCCB	587	-	-	72.2	80.4	3300	1100	1771	2390	LS	LL5014J	1	H	IP23	x
P400-3	350/ 280	400/ 320	-	-	400	-	PW1.1+	2206A-E13TAG2	24	70	6 / In-line	E	TAA	40	45	3 Pole MCCB	888	69.6	79	-	3800	1131	2156	3241	FG	EG315M-280N	1	H	IP21	x	
P438-3	-	-	400/ 320	438/ 350	-	480	PW1.1+	2206A-E13TAG5	24	70	6 / In-line	E	TAA	40	45	3 Pole MCCB	888	-	-	80.9	88	3800	1131	2156	3241	FG	EG315M-280N	1	H	IP21	x
P450-2	400/ 320	450/ 360	-	-	400	-	PW1.1+	2206D-E13TA-G3A	24	70	6 / In-line	E	TAA	40	45	3 Pole MCCB	888	89.1	-	-	3800	1131	2156	3228	LS	LL6114C	1	H	IP23	✓	
P450-3	400/ 320	450/ 360	-	-	400	-	PW1.1+	2206A-E13TAG3	24	70	6 / In-line	E	TAA	40	45	3 Pole MCCB	888	79.9	-	-	3800	1131	2156	3253	FG	EG315M-320N	1	H	IP21	x	
P500-3	455/ 364	500/ 400	-	-	400	-	PW1.1+	2506A-E15TAG1	24	70	6 / In-line	E	TAA	62	58	3 Pole MCCB	888	94	103.1	-	3800	1131	2215	3734	FG	EG315M-360N	1	H	IP21	x	
P501-3	-	-	438/ 350	500/ 400	-	480	PW1.1+	2206A-E13TAG6	24	70	6 / In-line	E	TAA	40	45	3 Pole MCCB	888	-	-	89.1	101	3800	1131	2156	3241	FG	EG315M-300N	1	H	IP21	x

EL - Electronic ME - Mechanical

FG - FGWilson Ma - Marelli LS - Leroy Somer

NA - Naturally Aspirated T - Turbocharged

TAA - Turbocharged Air-Air TAW - Turbo Air To Water Charge Cooled

MEDIUM PRODUCT RANGE (225 – 750 KVA)

Generator Set Model	Generator Set				Engine / Electrical							Fuel Tank / Consumption				Weights & Dimensions				Alternator Details											
	Prime 50 Hz (kVA/kW)	Standby 50 Hz (kVA/kW)	Prime 60 Hz (kVA/kW)	Standby 60 Hz (kVA/kW)	50 Hz (V)	60 Hz (V)	Control Panel	Engine Model	Voltage (V)	Battery Charger (A)	Cylinders / Alignment	Governing Type	Induction	Total Oil Capacity (L)	Cooling Sys Capacity (L)	Circuit Breaker	Fuel Tank (L)	50 Hz Prime (l/hr)	50 Hz Standby (l/hr)	60 Hz Prime (l/hr)	60 Hz Standby (l/hr)	Length (mm)	Width (mm)	Height (mm)	Wet Weight (kg)	Alternator	Alternator Model	No. of Bearings	Insulation Class	Ingress Protection	EU IIIa Compliance
P550-2	500/400	550/440	-	-	400	-	PW1.1+	2506D-E15TAG2	24	70	6//In-line	E	TAA	62	48	3 Pole MCCB	1083	104	113.9	-	-	3787	1481	2193	3981	LS	LL6114F	1	H	IP23	✓
P550-3	500/400	550/440	-	-	400	-	PW1.1+	2506A-E15TAG2	24	70	6//In-line	E	TAA	62	58	3 Pole MCCB	888	97.2	107.4	-	-	3800	1131	2215	3699	FG	EG315L-400N	1	H	IP21	✗
P563-3	-	-	513/410	563/450	-	480	PW1.1+	2506A-E15TAG3	24	70	6//In-line	E	TAA	62	58	3 Pole MCCB	888	-	-	103	112.7	3800	1131	2215	3734	FG	EG315L-360N	1	H	IP21	✗
P605-3	550/440	605/484	-	-	400	-	PW1.1+	2806A-E18TAG1	24	70	6//In-line	E	TAA	55.5	69	3 Pole MCCB	1132	108	119.3	-	-	3900	1461	2156	4332	FG	EG355M-450N	1	H	IP21	✗
P625-3	-	-	569/455	625/500	-	480	PW1.1+	2506A-E15TAG4	24	70	6//In-line	E	TAA	62	58	3 Pole MCCB	888	-	-	113.5	123.8	3800	1131	2215	3858	FG	EG315L-400N	1	H	IP21	✗
P660-3	600/480	660/528	-	-	400	-	PW1.1+	2806A-E18TAG1A	24	70	6//In-line	E	TAA	62	69	3 Pole MCCB	1132	120.3	133.1	-	-	3900	1461	2156	4332	FG	EG355L-500N	1	H	IP21	✗
P688-3	-	-	625/500	688/550	-	480	PW1.1+	2806A-E18TAG1A	24	70	6//In-line	E	TAA	62	69	3 Pole MCCB	1132	-	-	124.9	138	3900	1461	2156	4332	FG	EG355M-450N	1	H	IP21	✗
P715-3	650/520	715/572	-	-	400	-	PW1.1+	2806A-E18TAG2	24	70	6//In-line	E	TAA	62	69	3 Pole MCCB	1132	125.6	139.9	-	-	3900	1461	2156	4332	FG	EG355L-560N	1	H	IP21	✗
P750-3	-	-	681/545	750/600	-	480	PW1.1+	2806A-E18TAG3	24	70	6//In-line	E	TAA	55.5	69	3 Pole MCCB	1132	-	-	139.6	155.1	3900	1461	2156	4332	FG	EG355M-450N	1	H	IP21	✗

LARGE PRODUCT RANGE (> 730 KVA)

Generator Set Model	Generator Set					Engine / Electrical					Fuel Tank / Consumption					Weights & Dimensions				Alternator Details										
	Prime 50 Hz (kVA/kW)	Standby 50 Hz (kVA/kW)	Prime 60 Hz (kVA/kW)	Standby 60 Hz (kVA/kW)	60 Hz (W)	Control Panel	Engine Model	Voltage (V)	Battery Charger (A)	Cylinders / Alignment	Governing Type	Induction	Total Oil Capacity (L)	Cooling Sys Capacity (L)	Circuit Breaker	Fuel Tank (L)	50 Hz Prime (l/hr)	50 Hz Standby (l/hr)	60 Hz Prime (l/hr)	60 Hz Standby (l/hr)	Length (mm)	Width (mm)	Height (mm)	Wet Weight (kg)	Alternator	Alternator Model	No. of Bearings	Insulation Class	Ingress Protection	EU IIIa Compliance
P730P1 / P800E1	730/584	800/640	735/588	844/675	480	PW1.1+	4006-23TAG2A	24	55	6 / In-line	E	TAA	106	123	3 Pole ACB / MCCB	1494	1574	171.8	1743	201.1	4280	1690	2379	5934	LS	LL7224J	1	H	IP23	x
P800P1 / P900E1	800/640	900/720	835/668	938/750	480	PW1.1+	4006-23TAG3A	24	55	6 / In-line	E	TAA	106	123	3 Pole ACB / MCCB	1494	171.2	193.4	198.9	224.4	4280	1690	2379	5995	LS	LL7224L	1	H	IP23	x
P910P1 / P1000E1	910/728	1000/800	-	400	-	PW1.1+	4008TAG1A	24	40	8 / In-line	E	TAA	166	123	Opt	-	192.7	214.9	-	-	4976	2162	2227	6820	LS	LL7224N	1	H	IP23	x
P1000P1 / P1100E1	1000/800	1100/880	-	400	-	PW1.1+	4008TAG2A	24	40	8 / In-line	E	TAA	166	123	Opt	-	214.1	240	-	-	4967	2162	2227	6820	LS	LL7224P	1	H	IP23	x
P1125P1 / P1250E1	1125/900	1250/1000	-	400	-	PW1.1+	4008-30TAG3	24	55	8 / In-line	E	T	166	140	Opt	-	240.1	266.3	-	-	4789	2257	2069	7753	LS	LL8224H	1	H	IP23	x
P1250P3 / P1375E3	1250/1000	1375/1100	1250/1000	1375/1100	480	PW1.1+	4012-46TWG2A	24	40	12 / Vee	E	T	177	196	Opt	-	258	284.9	266	298	4788	1895	2450	9079	LS	LL8224H/L	1	H	IP23	x
P1350P1 / P1500E1	1350/1080	1500/1200	1350/1080	1500/1200	480	PW1.1+	4012-46TWG3A	24	40	12 / Vee	E	T	177	196	Opt	-	279.2	313.4	289	324	4888	1895	2450	9697	LS	LL8224L/P	1	H	IP23	x
P1500P3 / P1650E3	1500/1200	1650/1320	-	400	-	PW1.1+	4012-46TAG2A	24	40	12 / Vee	E	TAA	177	207	Opt	-	296.6	326.3	-	-	5095	1900	2435	10385	LS	LL8224N	1	H	IP23	x
P1700P1 / P1875E1	1700/1360	1875/1500	-	400	-	PW1.1+	4012-46TAG3A	24	40	12 / Vee	E	TAA	177	207	Opt	-	349.7	390.2	-	-	5259	2192	2453	11207	LS	LL9324F	1	H	IP23	x
P1750 / P1925E	1750/1400	1925/1540	-	400	-	PW1.1+	4016TAG	24	40	16 / Vee	E	TAA	238	316	Opt	-	361.5	399.9	-	-	5752	2300	3020	15455	LS	LL9224F	1	H	IP23	x
P1825 / P2000E	1825/1460	2000/1600	-	400	-	PW1.1+	4016TAG1A	24	40	16 / Vee	E	TAA	238	316	Opt	-	378.2	419.9	-	-	5752	2300	3020	15455	LS	LL9224F	1	H	IP23	x
P2000 / P2250E	2000/1600	2249/1799	-	400	-	PW1.1+	4016TAG2A	24	40	16 / Vee	E	TAA	238	316	Opt	-	425.7	486.8	-	-	5752	2300	3020	15680	LS	LL9224H	1	H	IP23	x

EL - Electronic ME - Mechanical

FG - FGWilson Ma - Marelli LS - Leroy Somer

NA - Naturally Aspirated T - Turbocharged

TAA - Turbocharged Air-Air TAW - Turbo Air To Water Charge Cooled

LARGE PRODUCT RANGE (> 730 KVA)

Generator Set Model	Generator Set						Engine / Electrical						Fuel Tank / Consumption					Weights & Dimensions				Alternator Details									
	Prime 50 Hz (kVA/kW)	Standby 50 Hz (kVA/kW)	Prime 60 Hz (kVA/kW)	Standby 60 Hz (kVA/kW)	50 Hz (V)	60 Hz (V)	Control Panel	Engine Model	Voltage (V)	Battery Charger (A)	Cylinders / Alignment	Governing Type	Induction	Total Oil Capacity (L)	Cooling Sys Capacity (L)	Circuit Breaker	Fuel Tank (L)	50 Hz Prime (l/hr)	50 Hz Standby (l/hr)	60 Hz Prime (l/hr)	60 Hz Standby (l/hr)	Length (mm)	Width (mm)	Height (mm)	Wet Weight (kg)	Alternator	Alternator Model	No. of Bearings	Insulation Class	Ingress Protection	EU IIIa Compliance
P2000-1 / P2000-1E	1850/ 1480	2000/ 1600	-	-	400	-	PW1.1+	4016-61TRG1	24	55	16 / 60° Vee	E	TAW	238	315	Opt	-	385.4	410.8	-	-	5839	2176	2605	12528	LS	LL9324F	1	H	IP23	x
P2250-1 / P2250-1E	2000/ 1600	2250/ 1800	-	-	400	-	PW1.1+	4016-61TRG2	24	55	16 / 60° Vee	E	TAW	238	315	Opt	-	418.1	470.8	-	-	5839	2176	2605	12528	LS	LL9324H	1	H	IP23	x
P2500-1 / P2500-1E	2250/ 1800	2500/ 2000	-	-	400	-	PW1.1+	4016-61TRG3	24	55	16 / 60° Vee	E	TAW	238	400	Opt	-	470.6	528.4	-	-	6038	2180	2900	13380	LS	LL9324P	1	H	IP23	x

EL - Electronic ME - Mechanical

FG - FGWilson Ma - Marelli LS - Leroy Somer

Opt - Optional

NA - Naturally Aspirated T - Turbocharged

TAA - Turbocharged Air-Air TAW - Turbo Air To Water Charge Cooled

BRAZIL SOURCED PRODUCT RANGE

Generator Set Model	Generator Set				Engine / Electrical							Fuel Tank / Consumption				Weights & Dimensions				Alternator Details										
	Prime 50 Hz (kVA/kW)	Standby 50 Hz (kVA/kW)	Prime 60 Hz (kVA/kW)	Standby 60 Hz (kVA/kW)	60 Hz (V)	Control Panel	Engine Model	Voltage (V)	Battery Charger (A)	Cylinders / Alignment	Governing Type	Induction	Total Oil Capacity (L)	Cooling Sys Capacity (L)	Circuit Breaker	Fuel Tank (L)	50 Hz Prime (l/hr)	50 Hz Standby (l/hr)	60 Hz Prime (l/hr)	60 Hz Standby (l/hr)	Length (mm)	Width (mm)	Height (mm)	Wet Weight (kg)	Alternator	Alternator Model	No. of Bearings	Insulation Class	Ingress Protection	EU IIIa Compliance
P56-1	45.0/ 36.0	50.0/ 40.0	50.0/ 40.0	56.3/ 45.0	380	PW1.1	1103A-33TG1	12	65	3/ In-line	ME	T	83	10.2	3 Pole MCB / 3 Pole MCCB	145	108	12.0	11.9	13.6	1680	760	1333	826	WEG	GTA 201 AE20	1	H	IP21	
P75-1	60.0/ 48.0	65.0/ 52.0	68.8/ 55.0	75.0/ 60.0	380	PW1.1	1103A-33TG2	12	65	3/ In-line	ME	T	83	10.2	3 Pole MCB / 3 Pole MCCB	145	13.7	14.9	16.2	17.7	1741	760	1333	828	WEG	GTA 202 AE32	1	H	IP21	
P100-1	80.0/ 64.0	88.0/ 70.4	90.0/ 72.0	100.0/ 80.0	380	PW1.1	1104A-44TG2	12	65	4/ In-line	ME	T	80	13.0	3 Pole MCCB	180	182	20.1	21.2	23.6	1870	840	1333	1032	WEG	GTA 202 AE36	1	H	IP21	
P125-1	100.0/ 80.0	110.0/ 88.0	113.0/ 90.4	125.0/ 100.0	380	PW1.1	1104C-44TAG2	12	65	4/ In-line	EL	TAA	80	17.5	3 Pole MCCB	218	222	24.5	26.1	29.3	1980	890	1376	1083	WEG	GTA 202 AS36	1	H	IP21	
P169-1	135.0/ 108.0	150.0/ 120.0	149.5/ 119.6	168.8/ 135.0	380	PW1.1	1106A-70TG1	12	65	6/ In-line	ME	T	16.5	21.0	3 Pole MCCB	327	303	34.0	33.1	37.8	2450	1010	1544	1443	WEG	GTA 251 AE27	1	H	IP21	
P218-3	180.0/ 144.0	200.0/ 160.0	196.3/ 157.0	217.5/ 174.0	380	PW1.1	1106A-70TAG3	12	85	6/ In-line	ME	TAA	16.5	27.0	3 Pole MCCB	394	40.1	43.3	45.2	48.7	2510	1010	1640	1563	WEG	GTA 252 AE37	1	H	IP21	
M260-1	-	-	240/ 192	260/ 208	220	PW1.1	MWM 7.3P	24	80	6/ In-line	ME	TAA	18.7	15.7	3 Pole MCCB	457	-	-	50.0	57.4	2512	1030	1700	1775	WEG	GTA 252 A44	1	H	IP21	
S450-1	-	-	410/ 328	450/ 360	254	-	DC13072A	24	100	6/ In-line	EL	TAA	45	48	3 Pole MCCB	250	-	-	80.4	88.8	3480	1120	2075	2953	WEG	GTA 311 A41	1	H	IP21	
S550-1	-	-	500/ 400	550/ 440	254	-	DC13072A	24	100	6/ In-line	EL	TAA	45	48	3 Pole MCCB	250	-	-	100.7	113.1	3480	1120	2075	2953	WEG	GTA 311 A41	1	H	IP21	
P500-5	455/ 364	500/ 400	-	-	380	PW1.1+	2506A-E15TAG1	24	70	6/ In-line	EL	TAA	62	58.1	3 Pole MCCB	888	949	104.1	-	-	3800	1131	2215	3775	WEG	GTA 312 AE49	1	H	IP21	
P550-5	500/ 400	550/ 440	-	-	380	PW1.1+	2506A-E15TAG2	24	70	6/ In-line	EL	TAA	62	58.1	3 Pole MCCB	888	100.2	110.9	-	-	3800	1131	2215	3825	WEG	GTA 312 AE52	1	H	IP21	
P563-5	-	-	512.5/ 410	562.5/ 450	220	PW1.1+	2506A-E15TAG3	24	70	6/ In-line	EL	TAA	62	58.1	3 Pole MCCB	888	-	-	101.7	111.2	3800	1131	2215	3598	WEG	GTA 311 AE41	1	H	IP21	
P605-5	550/ 440	605/ 484	-	-	380	PW1.1+	2806A-E18TAG1	24	70	6/ In-line	EL	TAA	55.5	68.5	3 Pole MCCB	1132	107.9	120.1	-	-	3900	1461	2156	4162	WEG	GTA 312 AED1	1	H	IP21	

EL - Electronic ME - Mechanical

FG - FGWilson Ma - Marelli LS - Leroy Somer

NA - Naturally Aspirated T - Turbocharged

TAA - Turbocharged Air-Air TAW - Turbo Air To Water Charge Cooled

BRAZIL SOURCED PRODUCT RANGE

Generator Set Model	Generator Set				Engine / Electrical							Fuel Tank / Consumption				Weights & Dimensions				Alternator Details										
	Prime 50 Hz (kVA/kw)	Standby 50 Hz (kVA/kw)	Prime 60 Hz (kVA/kw)	Standby 60 Hz (kVA/kw)	50 Hz (V)	60 Hz (V)	Control Panel	Engine Model	Voltage (V)	Battery Charger (A)	Cylinders / Alignment	Governing Type	Induction	Total Oil Capacity (L)	Cooling Sys Capacity (L)	Circuit Breaker	Fuel Tank (L)	50 Hz Prime (l/hr)	50 Hz Standby (l/hr)	60 Hz Prime (l/hr)	60 Hz Standby (l/hr)	Length (mm)	Width (mm)	Height (mm)	Wet Weight (kg)	Alternator	Alternator Model	No. of Bearings	Insulation Class	Ingress Protection
P625-5	-	-	568.8 / 455	625 / 500	-	220	PW1.1+	2506A-E15TAG4	24	70	6 / In-line	EL	TAA	62	58.1	3 Pole MCCB	888	-	113.3	124.4	3800	1131	2215	3598	WEG	GTA 311 AE41	1	H	IP21	
P660-5	600 / 480	660 / 528	-	-	380	-	PW1.1+	2806A-E18TAG1A	24	70	6 / In-line	EL	TAA	62	68.5	3 Pole MCCB	1132	119.9	132.9	-	3900	1461	2156	4182	WEG	GTA 312 AEDJ	1	H	IP21	
P688-5	-	-	625 / 500	687.5 / 550	-	220	PW1.1+	2806A-E18TAG1A	24	70	6 / In-line	EL	TAA	62	68.5	3 Pole MCCB	1132	-	122.7	136.3	3900	1461	2156	4051	WEG	GTA 312 AE47	1	H	IP21	
P700-5	635 / 508	700 / 560	-	-	380	-	PW1.1+	2806A-E18TAG2	24	70	6 / In-line	EL	TAA	62	68.5	3 Pole MCCB	1132	126.2	141	-	3900	1461	2156	4182	WEG	GTA 312 AEDJ	1	H	IP21	
P750-5	-	-	681.3 / 545	750 / 600	-	220	PW1.1+	2806A-E18TAG3	24	70	6 / In-line	EL	TAA	62	68.5	3 Pole MCCB	1132	138.8	153.7	-	3900	1461	2156	4102	WEG	GTA 312 AEDK	1	H	IP21	

PROFESSIONAL RENTAL OPERATOR

Designed for users seeking lower cost solutions to meet their temporary power needs, our dedicated Professional Rental Operator (PRO) range provides fuel efficient, easy to operate and robust generator sets ideally suited to meet the rigorous requirements of your temporary power needs globally.

Providing a flexible solution, they can be easily switched between 50 and 60 Hz, while maintaining emissions and noise certification at both frequencies, allowing one machine to satisfy varying load requirements across diverse applications.

Our fully sound attenuated enclosures have excellent noise reduction ensuring their suitability for residential projects, while advanced controller options enable multiple utilisations including stand alone or synchronisation.

Key Features of the PRO range include:

- » EUIIIa compliance
- » Fuel optimised offering
- » 50 Hz / 60 Hz switchable
- » Viscous clutch fan drive
- » Exceptional noise performance
- » New PowerWizard 2.1+ as standard



Generator Technical Data

Model	Engine	Alternator	50 Hz		60 Hz	
			kVA	kW	kVA	kW
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	LL5100	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.

Generator Dimensions

Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	
				Lube oil & Coolant	Lube oil, Coolant & Fuel
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

Engine Technical Data

Model	PRO100-1	PRO150	PRO275/300	PRO500
Engine (rpm)	1500 / 1800	1500 / 1800	1500 / 1800	1500 / 1800
Bore (mm)	105	105	112	137
Stroke (mm)	127	135	149	171
Displacement (L)	4.4	7.01	8.8	15.2
Compression Ratio	16.7:1	18.2:1	16.1:1	16:1

Alternator Technical Data

Model	PRO100-2	PRO150	PRO275-2	PRO300-1	PRO500
Frame size	LL3114F	LL3114J	LL5114J	LL5100	LL6114F
Pitch	2/3	2/3	2/3	2/3	2/3
No of poles	4	4	4	4	4
Insulation class	H	H	H	H	H
IP Rating	IP23	IP23	IP23	IP23	IP23
Excitation	Brushless, Self excited	Brushless, Self excited	Brushless, Self excited	Brushless, Self excited	Brushless, Self excited
No of bearings	Single bearing	Single bearing	Single bearing	Single bearing	Single bearing

CONTROL IS EVERYTHING

We've always believed that control systems are among the most important components of a generator set. From our earliest power projects in the 1970s, designing, building and commissioning mini power stations in the Middle East, we've focused on designing reliable and intuitive control panels which our customers are comfortable working with.

Today FG Wilson generator sets come with a full range of plug and play digital, automatic and synchronising control panel systems. And when your generator set needs something special, we'll design and validate bespoke control systems just for you.

Our control and load management options include:

- » Multiple generator set synchronisation
- » Co-generation mains parallel
- » Intelligent transfer systems
- » Human Machine Interface (HMI) displays
- » Utility protection
- » Remote monitoring
- » Sophisticated high-end building and load management controls assembled around Programmable Logic Controllers (PLCs)

We promise you one thing: although our panels might be complex on the inside, on the outside you'd never know it.



LOAD TRANSFER PANELS

The FG Wilson range of intelligent Load Transfer Panels constantly monitor the quality of your mains electricity supply and respond immediately to any power outages. With flexible, upgradeable options and a high level of functionality, FG Wilson transfer panels give you 24-hour automatic control of your standby generator set, 365 days a year.

Features

- » Automatic and manual operation
- » Automatically provides generator set start signal upon detection of mains failure, overvoltage or loss of phase
- » Automatic mains re-transfer function
- » Flexible, upgradeable options
- » Test operations and sequences accessible from panel or remotely
- » Manual switch operation possible via external handle
- » LED functions display showing generator set / mains availability and switch position
- » LCD display for voltage and timers
- » Load transfer panel range meets ATS IEC 60947-6-1 standard

Benefits

- » Fully automatic mains failure sensing and generator set start signal
- » Pre-programmed enabling the panel to run on installation with the ability to customise if necessary
- » Fast acting switches reduce transfer times between generator set and utility power
- » Available from 63 – 3200A
- » Seamless integration with FG Wilson digital control panels



LONGLIFE PRODUCTS

When you buy an FG Wilson generator set, you can be confident that it has undergone extensive prototype testing. Before a new product reaches one of the customers, it has seen rigorous testing on load acceptance, cooling, vibration, noise and water ingress. We don't accept engine performance data without validating it ourselves in the environmental conditions which our products will see. When you buy one of our products, we can safely say that wherever it will be operating, it will have been tested for that environment.

Our validation facilities include Europe's largest fully automated hemi-anechoic chamber with state-of-the-art acoustic research and test capabilities. Eleven witness test cells allow us to carry out special testing of open and enclosed generator sets, and high voltage testing and string testing can be offered to simulate conditions when generator sets are installed in the field.

If your generator set is part of a more complex project, our witness and special test facilities can simulate on-site installations, running with their associated equipment, which means you receive a tried and tested power system that works for you.



LIFELONG SUPPORT

FG Wilson is about more than just the metal. Developed over 50 years, we have a local network of almost 400 dealers spread across 150 countries, supporting our customers with everything from product selection to installation and a lifetime of service.

Generator sets are the main business focus for our dealers which means they are true specialists in the assessment of your individual power needs. And our dealers are supported with a wealth of technical assistance, from generator set sizing tools to product data sheets which means they can help you quickly with detailed quotations and specifications.

Our dealers are all trained and supported by us, which makes them experts in serving product maintenance needs, including emergency breakdown coverage and routine servicing. They carry ready stock of parts for hassle-free fast service and are supported by our 100,500 sq ft parts facility, carrying more than 12,000 product lines and shipping 2.2 million parts a year.



GENUINE PARTS

We know of many FG Wilson generator sets which have worked long and productive lives and without exception, the reason is that they have been serviced and maintained by an FG Wilson dealer with FG Wilson Genuine Parts.

All FG Wilson Genuine Parts are fully tested by us and come with our standard warranty. They connect seamlessly with all the other components of your FG Wilson generator set and are fitted by our fully trained dealer network who have full access to our electronic technical library.

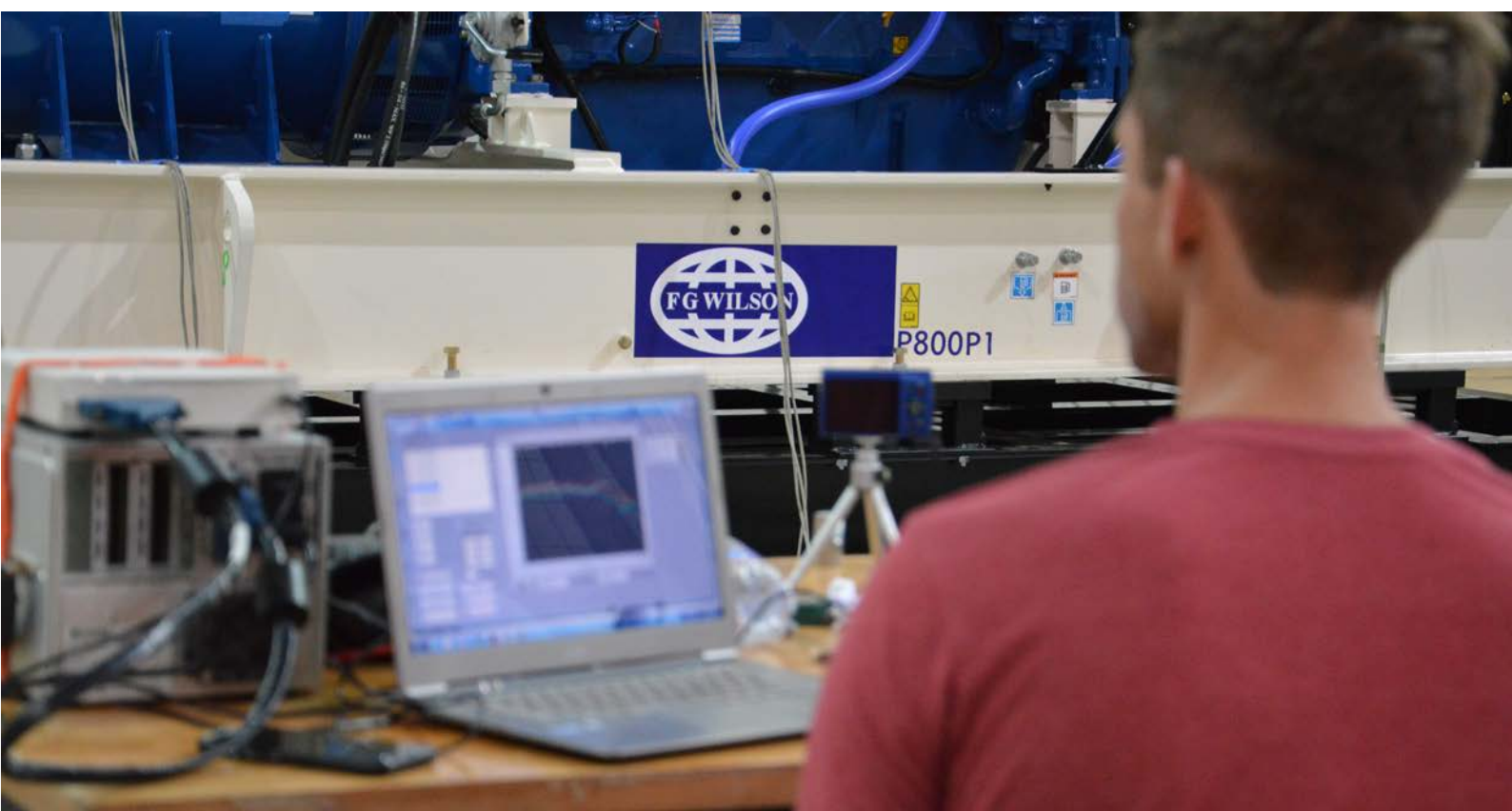
Our dealers are trained on supporting the complete generator set, including engine, alternator, controls and auxiliary equipment, and they're there for you 24/7 to offer all the support and service you need.



IBC CERTIFIED GENERATOR SETS

In many parts of the world, seismic certification is becoming a key requirement for generator sets, especially when they are installed in large buildings or facilities in urban areas.

Working together with our dealer FGW Jenerator Turkey, two FG Wilson generator sets (P800 and P1700) now have full IBC seismic certification. Specification includes sound-insulated container type enclosures incorporating seismic specification for the larger generator sets, strengthened baseframes and control panel stands and seismic anti-vibration mounts specially engineered at our Larne facility in the UK.



PRODUCTS AS UNIQUE AS YOU ARE

The standard range of FG Wilson generator sets is designed to meet a very wide range of power needs. But we know there can be a time when you need something a bit special. When that time comes, we have a team of people who will work with you to make a product that's a little or a lot different. This might include:

- » Special control and synchronisation systems
- » Acoustic enclosures
- » High Voltage generator sets
- » Special cooling
- » Gas generator sets
- » Bi-Fuel generator sets

When you entrust your power project to us, you receive the full support of more than 300 skilled technicians who nurture your project from initial design and manufacture through to installation and commissioning. And once installed, you can count on a lifetime of service from our network of dealers.

Witness Testing

Before your custom generator set leaves our factory, it's rigorously tested at one of our eleven witness test cells with resistive load capacity up to 12 mW and inductive load of 3 mVA.

We offer high voltage testing up to 5 mVA at 13.8 kV to simulate conditions when generator sets are installed in the field. And we carry out testing to simulate the on site installation of multiple generator sets running with their associated equipment. We also test cooling system performance, control system, vibration, sound and fuel consumption.



DELIVERING PRIME POWER IN DUBAI

When it comes to environmental extremes, you don't get much harsher than the deserts of Dubai. With soaring temperatures, this was the backdrop for FG Wilson (Engineering) FZE's challenging defence installation project, located deep in the heart of the Dubai desert.

With no infrastructure in place to connect to the grid supply, FG Wilson (Engineering) FZE were tasked with setting up an independent 7.5 MVA power plant, the only source of power to the defence camp.

The complete pre-sales engineering, including a selection of switchgear, synchronising controls, fuel system, yard lighting, earthing etc was carried out by a specialist application engineering team, supported by the FG Wilson Power Solutions team.

A quick turn around was crucial for this fast track project, since no power supply existed on the ground. FG Wilson were able to deliver a complete turnkey package consisting of 5 x P1500P3 containerised generator sets, installed, tested, commissioned and handed over to the customer within just 3 months.

Since completion, FG Wilson technicians have been maintaining the power plant on a 24/7 basis. With stringent Key Performance Indicators in place, even a 30 second glitch needs to be reported to the client.

Speaking about the project, Naveen D'Souza from FG Wilson FZE comments;

"Based on our excellent engineering and aftersales support, FG Wilson was the preferred brand for this prestigious project. The customer had previous experience of our services and combined with our strong engineering capabilities and sourcing techniques, we were successful in securing this contract.

"Since installation we have carried out two top overhauling services and one major overhauling service, which has helped to maintain the plant without any major breakdowns.

"We faced several challenges due to the site location, deep in the desert. With other camps in the vicinity there was a shortage of work space. We also had to use 6x4 trucks for travelling on the sandy terrain and high boom cranes to transport and move the generator sets on foundations."

Naveen concludes;

"As of today the generator sets have clocked an average of 28,000 hours since they were put in operation, synchronised together and working in load dependent start/stop philosophy. During the summer and in extreme heat conditions, 4 generator sets work continuously with one unit as standby. In other months 3-4 generator sets continue to operate based on the site load.

"This project showcases the FG Wilson ability to deliver a 24/7 reliable prime power solution and support in the most extreme circumstances."



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