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FG Wilson Product Rating Summary

INTRODUCING FG WILSON

FG Wilson generator sets are trusted to provide emergency power in over 150 countries around the world. We provide essential standby power to critical applications such as hospitals, airports, data centres, telecommunication networks as well as residential properties and factories.

Founded in 1966 in Belfast, United Kingdom, FG Wilson quickly grew to become the largest generator set manufacturer in Europe. Since 1998 the company has been owned by Caterpillar Inc, one of the leading US corporations and a Fortune 500 company. FG Wilson is now a core brand within Caterpillar's Electric Power Division.

FG Wilson generator sets are manufactured at Caterpillar facilities in the United Kingdom, United States of America, Brazil, India and China, with a manufacturing capacity for over 80,000 generator sets per annum.



GLOBAL MANUFACTURING FACILITIES

1

Newberry,
USA



2

Larne,
UK



3

Tianjin,
China



4

Piracicaba,
Brazil



5

Hosur,
India



UNDERSTANDING CUSTOMER NEEDS

At FG Wilson, we understand the unique needs of generator set customers around the world. Whether your requirements are for standby / prime power, rental product or complex solutions, FG Wilson can provide durable product to meet these needs.

Our product range from 6.8 – 2,500 kVA includes open and enclosed generator sets, which offer outstanding value for money, guaranteeing maximum efficiency and productivity. Key options further enhance the standard product offering providing versatility and flexibility throughout the range.

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.

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.

We guarantee ONE Global Quality Standard from all our state-of-the-art-manufacturing facilities to deliver superior quality products around the world. No matter where your FG Wilson generator sets are manufactured, they are all built to the same UK standards with world class production processes, equipment and methodologies replicated across all our facilities.



INDUSTRY LEADING PRODUCTS

FG Wilson is renowned for products that are class leading in the areas of quality, reliability and durability.

We guarantee ONE Global Quality Standard from all of our state-of-the-art manufacturing facilities to deliver superior quality products around the world.

Coupled with FG Wilson's global product availability via our 'right time, right place' product distribution centres and expert local support through the FG Wilson worldwide Dealer network, we have the power to deliver.

All FG Wilson generator sets are supported by the FG Wilson global warranty programme providing your customers with peace of mind.










The compact modular design of FG Wilson enclosures ensure optimum performance in the harshest of environments. Designed on modular principles, they have interchangeable components permitting onsite repair. Lift off doors and access panels provide optimal service and maintenance access.

Extremely durable and robust, the enclosures are designed to resist corrosion and handling damage with the ability to withstand rough handling common on many construction sites.



For warmer climates, the FG Wilson CAHA enclosures, available across the 350 – 750 kVA range, are designed for operation in high ambient environments up to 50°C, with no loss of cooling system performance.










F Model Range (8.5 – 290 kVA) (Three Phase)

Generator Set Model		F9.5-1	F17.5-1	F22-1	F35-1	F50-1	F72-1	F125-1
kVA / kW	Prime 50 Hz	8.5 / 6.8	16.0 / 12.8	20.0 / 16.0	32.0 / 25.6	44.6 / 35.7	65.0 / 52.0	115.0 / 92.0
	Standby 50 Hz	9.5 / 7.6	17.5 / 14.0	22.0 / 17.6	35.0 / 28.0	49.8 / 39.8	72.0 / 57.6	125.0 / 100.0
	Prime 60 Hz	11.0 / 8.8	19.0 / 15.2	24.0 / 19.2	35.0 / 28.0	52.5 / 42.0	70.0 / 56.0	125.0 / 100.0
	Standby 60 Hz	12.0 / 9.6	21.0 / 16.8	26.5 / 21.2	38.8 / 31.0	57.5 / 46.0	77.5 / 62.0	137.5 / 110.0
	Power Factor	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	400V	400V	400V	400V	400V	400V
	60 Hz (1800 rpm)	220V	220V	220V	480V	480V	480V	480V
Engine Electrical System	Control Panel	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10
	Engine	FG Wilson	FG Wilson	FG Wilson	FG Wilson	FG Wilson	FG Wilson	FG Wilson
	Engine Model	FD3-1.4A1	FD4-1.8A1	FD4-2.5A1	FD4-3.9A1	FD4-5.0A1	FD4-4.6A1	FD6-6.5A1
	Voltage / Ground	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative
	Battery Charger Amps	25	25	25	54	65	65	27
	Cylinders / Alignment	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	4 / In Line	6 / In Line
	Governing Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Induction	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Turbocharged	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity l (USg)	4.1 (1.1)	5.5 (1.5)	7.6 (2.0)	8.5 (2.2)	14.0 (3.7)	14.0 (3.7)	16.0 (4.2)
	Cooling System Capacity l (USg)	11.4 (3.0)	13.2 (3.5)	15.0 (4.0)	12.0 (3.2)	13.0 (3.4)	13.0 (3.4)	26.0 (6.9)
Circuit Breaker Type	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB	
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	60 (15.9)	75 (19.8)	75 (19.8)	145 (38.3)	180 (47.6)	180 (47.6)	327 (86.4)
	50 Hz Prime l/hr (USg/hr)	3.0 (0.8)	5.1 (1.3)	6.3 (1.7)	9.4 (2.5)	11.0 (2.9)	13.9 (3.7)	23.4 (6.2)
	50 Hz Standby l/hr (USg/hr)	3.1 (0.8)	5.4 (1.4)	6.5 (1.7)	10.0 (2.6)	12.0 (3.2)	15.1 (4.0)	26.2 (6.9)
	60 Hz Prime l/hr (USg/hr)	3.8 (1.0)	6.1 (1.6)	6.9 (1.8)	10.2 (2.7)	11.5 (3.0)	15.0 (4.0)	22.0 (5.8)
60 Hz Standby l/hr (USg/hr)	3.9 (1.0)	6.4 (1.7)	6.9 (1.8)	10.8 (2.9)	12.5 (3.3)	16.3 (4.3)	26.0 (6.9)	
Weights & Dimensions	Length mm (in)	1475 (58.1)	1695 (66.7)	1695 (66.7)	1680 (66.1)	1870 (73.6)	1870 (73.6)	2450 (96.5)
	Width mm (in)	639 (25.2)	622 (24.5)	622 (24.5)	760 (29.9)	840 (33.1)	840 (33.1)	1010 (39.8)
	Height mm (in)	1053 (41.5)	1050 (41.3)	1070 (42.1)	1273 (50.1)	1482 (58.3)	1482 (58.3)	1645 (64.8)
	Wet Weight kg (lb)	367 (809)	454 (1001)	490 (1080)	724 (1596)	888 (1958)	968 (2134)	1490 (3285)
Alternator Details	Alternator	FG Wilson	FG Wilson	FG Wilson	Marelli	Marelli	Marelli	Marelli
	Alternator Model	EG160-8N	EG160-14N	EG160-16N	MJB 160 MB4	MJB 200 SB4	MJB 200 MB4	MJB 225 LA4
	No. of Bearings	1	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H	H
	Ingress Protection	IP21	IP21	IP21	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised							
	Emissions Enhanced	-	-	-	-	-	-	-
	EU IIIa	-	-	-	-	-	-	-






F Model Range (8.5 – 290 kVA) (Three Phase)

Generator Set Model		F275-1	F290-1
kVA / kW	Prime 50 Hz	250.0 / 200.0	-
	Standby 50 Hz	275.0 / 220.0	-
	Prime 60 Hz	-	262.5 / 210.0
	Standby 60 Hz	-	290.0 / 232.0
	Power Factor	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	-
	60 Hz (1800 rpm)	-	480V
Engine Electrical System	Control Panel	DCP-10	DCP-10
	Engine	FG Wilson	FG Wilson
	Engine Model	FD6-10.3A1	FD6-10.3A2
	Voltage / Ground	24 / Negative	24 / Negative
	Battery Charger Amps	35	35
	Cylinders / Alignment	6 / In Line	6 / In Line
	Governing Type	Electronic	Electronic
	Induction	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity l (USg)	28.0 (7.4)	28.0 (7.4)
	Cooling System Capacity l (USg)	61.0 (16.1)	61.0 (16.1)
Circuit Breaker Type	3 Pole MCB	3 Pole MCB	
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	484 (127.9)	484 (127.9)
	50 Hz Prime l/hr (USg/hr)	54.6 (14.4)	-
	50 Hz Standby l/hr (USg/hr)	60.8 (16.1)	-
	60 Hz Prime l/hr (USg/hr)	-	59.5 (15.7)
60 Hz Standby l/hr (USg/hr)	-	67.0 (17.7)	
Weights & Dimensions	Length mm (in)	2970 (116.9)	2970 (116.9)
	Width mm (in)	1130 (44.5)	1130 (44.5)
	Height mm (in)	1744 (68.7)	1744 (68.7)
	Wet Weight kg (lb)	2300 (5071)	2280 (5027)
Alternator Details	Alternator	FG Wilson	FG Wilson
	Alternator Model	EG280L-200N	EG280L-180N
	No. of Bearings	1	1
	Insulation Class	H	H
	Ingress Protection	IP21	IP21
Emissions	Fuel Optimised		
	Emissions Enhanced	-	-
	EU IIIa	-	-








P Model Range (6.8 – 90 kVA) (Single Phase)

Generator Set Model		P7.5-4S	P11-6S	P14-6S	P16.5-6S	P26-3S	P26-6S	P40-3S
kVA / kW	Prime 50 Hz	6.8 / 6.8	10.0 / 10.0	13.0 / 13.0	15.0 / 15.0	24.0 / 24.0	24.0 / 24.0	36.0 / 36.0
	Standby 50 Hz	7.5 / 7.5	11.0 / 11.0	14.0 / 14.0	16.5 / 16.5	26.0 / 26.0	26.0 / 26.0	40.0 / 40.0
	Prime 60 Hz	8.0 / 8.0	12.0 / 12.0	15.5 / 15.5	17.6 / 17.6	27.0 / 27.0	-	40.0 / 40.0
	Standby 60 Hz	8.8 / 8.8	13.0 / 13.0	17.0 / 17.0	19.4 / 19.4	30.0 / 30.0	-	45.0 / 45.0
	Power Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Voltage	50 Hz (1500 rpm)	230V	230V	230V	230V	230V	230V	230V
	60 Hz (1800 rpm)	240V	240V	240V	240V	240V	-	240V
Engine Electrical System	Control Panel	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	403D-11G	403D-15G	404D-22G1	404D-22G	1103A-33G1	1103D-33G3	1103A-33TG1
	Voltage / Ground	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative
	Battery Charger Amps	40	65	65	65	65	65	65
	Cylinders / Alignment	3 / In Line	3 / In Line	4 / In Line	4 / In Line	3 / In Line	3 / In Line	3 / In Line
	Governing Type	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
	Induction	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Turbocharged
	Total Oil Capacity l (USg)	4.9 (1.3)	6.0 (1.6)	10.6 (2.8)	10.6 (2.8)	8.3 (2.2)	8.3 (2.2)	8.3 (2.2)
	Cooling System Capacity l (USg)	5.2 (1.4)	5.3 (1.4)	6.5 (1.7)	6.5 (1.7)	10.2 (2.7)	10.2 (2.7)	10.2 (2.7)
Circuit Breaker Type	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	62.0 (16.4)	62.0 (16.4)	66.0 (17.4)	66.0 (17.4)	71 (18.8)	71 (18.8)	145 (38.3)
	50 Hz Prime l/hr (USg/hr)	2.5 (0.7)	3.6 (1.0)	4.3 (1.1)	4.9 (1.3)	6.9 (1.8)	7.4 (2.0)	10.2 (2.7)
	50 Hz Standby l/hr (USg/hr)	2.8 (0.7)	4.1 (1.1)	4.6 (1.2)	5.5 (1.5)	7.5 (2.0)	7.9 (2.1)	11.4 (3.0)
	60 Hz Prime l/hr (USg/hr)	2.9 (0.8)	4.3 (1.1)	5.2 (1.4)	5.7 (1.5)	8.1 (2.1)	-	11.8 (3.1)
60 Hz Standby l/hr (USg/hr)	3.3 (0.9)	4.8 (1.3)	5.6 (1.5)	6.3 (1.7)	9.0 (2.4)	-	13.7 (3.6)	
Weights & Dimensions	Length mm (in)	1400 (55.1)	1400 (55.1)	1500 (59.1)	1500 (59.1)	1570 (61.8)	1570 (61.8)	1680 (66.1)
	Width mm (in)	620 (24.4)	620 (24.4)	620 (24.4)	620 (24.4)	760 (29.9)	760 (29.9)	760 (29.9)
	Height mm (in)	996 (39.2)	1054 (41.5)	1115 (43.9)	1115 (43.9)	1229 (48.4)	1229 (48.4)	1336 (52.6)
	Wet Weight kg (lb)	308 (679)	384 (847)	441 (972)	454 (1001)	699 (1541)	699 (1541)	779 (1717)
Alternator Details	Alternator	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
	Alternator Model	LLB1114D	LLB1114F	LLB1114L	LLB1114M	LLB1514J	LLB1514J	LLB1514P
	No. of Bearings	1	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised	-	-	-	-		-	
	Emissions Enhanced	-	-	-	-	-	-	-
	EU IIIa					-		-








P Model Range (6.8 – 90 kVA) (Single Phase)

Generator Set Model		P40-4S	P50-5S	P55-6S	P90-3S	P90-6S
kVA / kW	Prime 50 Hz	36.0 / 36.0	45.0 / 45.0	50.0 / 50.0	82.0 / 8/2.0	82.0 / 82.0
	Standby 50 Hz	40.0 / 40.0	50.0 / 50.0	55.0 / 55.0	90.0 / 90.0	90.0 / 90.0
	Prime 60 Hz	-	55.0 / 55.0	-	90.0 / 90.0	-
	Standby 60 Hz	-	60.0 / 60.0	-	99.5 / 99.5	-
	Power Factor	1.0	1.0	1.0	1.0	1.0
Voltage	50 Hz (1500 rpm)	230V	230V	230V	230V	230V
	60 Hz (1800 rpm)	-	240V	-	240V	-
Engine/Electrical System	Control Panel	DCP-10	DCP-10	DCP-10	DCP-10	PowerWizard 1.1
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	1103C-33TG2/3	1103A-33TG2	1104D-44TG2/3	1104C-44TAG2	1104D-E44TAG2
	Voltage / Ground	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative
	Battery Charger Amps	65	65	65	65	65
	Cylinders / Alignment	3 / In Line	3 / In Line	4 / In Line	4 / In Line	4 / In Line
	Governing Type	Mechanical	Mechanical	Mechanical	Electronic	Electronic
	Induction	Turbocharged	Turbocharged	Turbocharged	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity I (USg)	8.3 (2.2)	8.3 (2.2)	8.0 (2.1)	8.0 (2.1)	8.0 (2.1)
	Cooling System Capacity I (USg)	12.6 (3.3)	10.2 (2.7)	16.5 (4.4)	17.5 (4.6)	17.0 (4.5)
	Circuit Breaker Type	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	145 (38.3)	145 (38.3)	180 (47.6)	218 (57.6)	218 (57.6)
	50 Hz Prime l/hr (USg/hr)	10.2 (2.7)	12.6 (3.3)	16.5 (4.4)	22.1 (5.8)	24.2 (6.4)
	50 Hz Standby l/hr (USg/hr)	11.3 (3.0)	14.2 (3.8)	18.2 (4.8)	24.3 (6.4)	25.7 (6.8)
	60 Hz Prime l/hr (USg/hr)	-	15.8 (4.2)	-	26.0 (6.9)	-
60 Hz Standby l/hr (USg/hr)	-	17.3 (4.6)	-	28.8 (7.6)	-	
Weights & Dimensions	Length mm (in)	1680 (66.1)	1680 (66.1)	1870 (73.6)	1980 (78.0)	1980 (78.0)
	Width mm (in)	760 (29.9)	760 (29.9)	840 (33.1)	890 (35.0)	890 (35.0)
	Height mm (in)	1336 (52.6)	1336 (52.6)	1336 (52.6)	1374 (54.1)	1449 (58.8)
	Wet Weight kg (lb)	771 (1700)	912 (2011)	941 (2075)	1131 (2493)	1208 (2663)
Alternator Details	Alternator	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
	Alternator Model	LLB1514P	LLB3114D	LLB3114D	LLB3114H	LLB3114H
	No. of Bearings	1	1	1	1	1
	Insulation Class	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised	-		-	-	-
	Emissions Enhanced		-	-		-
	EU IIIa	-	-		-	








P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P9.5-4	P13.5-6	P18-6	P22-6	P33-3	P33-6	P50-3
kVA / kW	Prime 50 Hz	8.5 / 6.8	12.5 / 10.0	16.5 / 13.2	20.0 / 16.0	30.0 / 24.0	30.0 / 24.0	45.0 / 36.0
	Standby 50 Hz	9.5 / 7.6	13.5 / 10.8	18.0 / 14.4	22.0 / 17.6	33.0 / 26.4	33.0 / 26.4	50.0 / 40.0
	Prime 60 Hz	10.0 / 8.0	15.0 / 12.0	20.0 / 16.0	22.5 / 18.0	33.8 / 27.0	-	50.0 / 40.0
	Standby 60 Hz	11.0 / 8.8	16.5 / 13.2	22.0 / 17.6	25.0 / 20.0	37.5 / 30.0	-	56.3 / 45.0
	Power Factor	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	400V	400V	400V	400V	400V	400V
	60 Hz (1800 rpm)	220V	220V	220V	220V	480V	-	480V
Engine Electrical System	Control Panel	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10
	Engine	Perkins*	Perkins*	Perkins*	Perkins*	Perkins*	Perkins*	Perkins*
	Engine Model	403D-11G	403D-15G	404D-22G1	404D-22G	1103A-33G1	1103D-33G3	1103A-33TG1
	Voltage / Ground	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative
	Battery Charger Amps	40	65	65	65	65	65	65
	Cylinders / Alignment	3 / In Line	3 / In Line	4 / In Line	4 / In Line	3 / In Line	3 / In Line	3 / In Line
	Governing Type	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
	Induction	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated	Turbocharged
	Total Oil Capacity I (USg)	4.9 (1.3)	6.0 (1.6)	10.6 (2.8)	10.6 (2.8)	8.3 (2.2)	8.3 (2.2)	8.3 (2.2)
	Cooling System Capacity I (USg)	5.2 (1.4)	5.3 (1.4)	6.5 (1.7)	6.5 (1.7)	10.2 (2.7)	10.2 (2.7)	10.2 (2.7)
	Circuit Breaker Type	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB	3 Pole MCB / 3 Pole MCCB
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	62.0 (16.4)	62.0 (16.4)	66.0 (17.4)	66.0 (17.4)	71 (18.8)	71 (18.8)	145 (38.3)
	50 Hz Prime l/hr (USg/hr)	2.6 (0.7)	3.7 (1.0)	4.4 (1.2)	5.3 (1.4)	6.9 (1.8)	7.4 (2.0)	10.5 (2.8)
	50 Hz Standby l/hr (USg/hr)	2.9 (0.8)	4.0 (1.1)	4.8 (1.3)	5.9 (1.6)	7.7 (2.0)	8.2 (2.2)	11.7 (3.1)
	60 Hz Prime l/hr (USg/hr)	3.0 (0.8)	4.3 (1.1)	5.2 (1.4)	5.8 (1.5)	8.1 (2.1)	-	11.9 (3.1)
60 Hz Standby l/hr (USg/hr)	3.4 (0.9)	4.9 (1.3)	5.7 (1.5)	6.5 (1.7)	9.1 (2.4)	-	13.4 (3.5)	
Weights & Dimensions	Length mm (in)	1400 (55.1)	1400 (55.1)	1500 (59.1)	1500 (59.1)	1570 (61.8)	1570 (61.8)	1680 (66.1)
	Width mm (in)	620 (24.4)	620 (24.4)	620 (24.4)	620 (24.4)	760 (29.9)	760 (29.9)	760 (29.9)
	Height mm (in)	996 (39.2)	1054 (41.5)	1115 (43.9)	1115 (43.9)	1229 (48.4)	1229 (48.4)	1336 (52.6)
	Wet Weight kg (lb)	308 (679)	308 (679)	441 (972)	454 (1001)	712 (1570)	712 (1570)	810 (1786)
Alternator Details	Alternator	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Marelli	Marelli	Marelli
	Alternator Model	LL1114B	LL1114D	LL1114H	LL1114M	MJB 160 MB4	MJB 160 MB4	MJB 200 SB4
	No. of Bearings	1	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised	-	-	-	-		-	
	Emissions Enhanced	-	-	-	-	-	-	-
	EU IIIa					-		-







P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P50-4	P55-3	P55-4	P65-5	P65-6	P88-3	P88-6
kVA / kW	Prime 50 Hz	45.0 / 36.0	50.0 / 40.0	50.0 / 40.0	60.0 / 48.0	60.0 / 48.0	80.0 / 64.0	80.0 / 64.0
	Standby 50 Hz	50.0 / 40.0	55.0 / 44.0	55.0 / 44.0	65.0 / 52.0	65.0 / 52.0	88.0 / 70.4	88.0 / 70.4
	Prime 60 Hz	-	56.3 / 45.0	-	68.8 / 55.0	-	90.0 / 72.0	-
	Standby 60 Hz	-	62.5 / 50.0	-	75.0 / 60.0	-	100.0 / 80.0	-
	Power Factor	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	400V	400V	400V	400V	400V	400V
	60 Hz (1800 rpm)	-	480V	-	480V	-	480V	-
Engine Electrical System	Control Panel	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10	DCP-10	PowerWizard 1.1
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	1103C-33TG2/3	1103A-33TG2	1104C-44TG2/3	1103A-33TG2	1104D-44TG2/3	1104A-44TG2	1104D-E44TAG1
	Voltage / Ground	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative
	Battery Charger Amps	65	65	65	65	65	65	65
	Cylinders / Alignment	3 / In Line	3 / In Line	4 / In Line	3 / In Line	4 / In Line	4 / In Line	4 / In Line
	Governing Type	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
	Induction	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity l (USg)	8.3 (2.2)	8.3 (2.2)	8.0 (2.1)	8.3 (2.2)	8.0 (2.1)	8.0 (2.1)	8.0 (2.1)
	Cooling System Capacity l (USg)	10.2 (2.7)	10.2 (2.7)	12.6 (3.3)	10.2 (2.7)	16.5 (4.4)	13.0 (3.4)	17.5 (4.6)
	Circuit Breaker Type	3 Pole MCB	3 Pole MCB / 3 Pole MCCB	3 Pole MCB	3 Pole MCB / 3 Pole MCCB	3 Pole MCB	3 Pole MCCB	3 Pole MCCB
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	145 (38.3)	145 (38.3)	180 (47.6)	145 (38.3)	180 (47.6)	180 (47.6)	218 (57.6)
	50 Hz Prime l/hr (USg/hr)	10.6 (2.8)	11.6 (3.1)	15.9 (4.2)	13.7 (3.6)	16.6 (4.4)	18.2 (4.8)	20.2 (5.3)
	50 Hz Standby l/hr (USg/hr)	11.8 (3.1)	12.8 (3.4)	17.4 (4.6)	15.0 (4.0)	18.3 (4.8)	20.1 (5.3)	21.7 (5.7)
	60 Hz Prime l/hr (USg/hr)	-	13.7 (3.6)	-	16.3 (4.3)	-	21.0 (5.5)	-
Weights & Dimensions	60 Hz Standby l/hr (USg/hr)	-	15.2 (4.0)	-	18.0 (4.8)	-	23.2 (6.1)	-
	Length mm (in)	1680 (66.1)	1680 (66.1)	1870 (73.6)	1680 (66.1)	1870 (73.6)	1870 (73.6)	1980 (78.0)
	Width mm (in)	760 (29.9)	760 (29.9)	840 (33.1)	760 (29.9)	840 (33.1)	840 (33.1)	890 (35.0)
	Height mm (in)	1336 (52.6)	1336 (52.6)	1336 (52.6)	1336 (52.6)	1336 (52.6)	1333 (52.5)	1398 (55.0)
Alternator Details	Wet Weight kg (lb)	802 (1768)	810 (1786)	864 (1905)	852 (1878)	906 (1997)	1002 (2209)	1135 (2502)
	Alternator	Marelli	Marelli	Marelli	Marelli	Marelli	Marelli	Marelli
	Alternator Model	MJB 200 SB4	MJB 200 SB4	MJB 200 SB4	MJB 200 MA4	MJB 200 MA4	MJB 200 LA4	MJB 200 LA4
	No. of Bearings	1	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H	H
Emissions	Ingress Protection	IP23	IP23	IP23	IP23	IP23	IP23	IP23
	Fuel Optimised	-		-		-		-
	Emissions Enhanced		-		-	-	-	-
EU IIIa	-	-	-	-		-		








P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P110-3	P110-6	P150-5	P165-5	P200-3	P220-3	P249-3
kVA / kW	Prime 50 Hz	100.0 / 80.0	100.0 / 80.0	135.0 / 108.0	150.0 / 120.0	180.0 / 144.0	200.0 / 160.0	-
	Standby 50 Hz	110.0 / 88.0	110.0 / 88.0	150.0 / 120.0	165.0 / 132.0	200.0 / 160.0	220.0 / 176.0	-
kVA / kW	Prime 60 Hz	113.0 / 90.4	-	150.0 / 120.0	168.8 / 135.0	200.0 / 160.0	-	225.0 / 180.0
	Standby 60 Hz	125.0 / 100.0	-	165.0 / 132.0	187.5 / 150.0	218.8 / 175.0	-	250.0 / 200.0
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	400V	400V	400V	400V	400V	-
	60 Hz (1800 rpm)	480V	-	480V	480V	480V	-	480V
Control Panel		DCP-10	PowerWizard 1.1	DCP-10	DCP-10	DCP-10	DCP-10	PowerWizard 1.1+
Engine		Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
Engine Model		1104C-44TAG2	1104D-E44TAG2	1106A-70TG1	1106A-70TAG2	1106A-70TAG3	1106A-70TAG4	1506A-E88TAG2
Voltage / Ground		12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	12 / Negative	24 / Negative
Battery Charger Amps		65	65	65	85	85	85	45
Cylinders / Alignment		4 / In Line	4 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line
Governing Type		Electronic	Electronic	Mechanical	Mechanical	Mechanical	Electronic	Electronic
Induction		Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled
Total Oil Capacity I (USg)		8.0 (2.1)	8.0 (2.1)	16.5 (4.4)	16.5 (4.4)	16.5 (4.4)	16.5 (4.4)	39.0 (10.3)
Cooling System Capacity I (USg)		17.5 (4.6)	17.0 (4.5)	21.0 (5.5)	21.0 (5.5)	27.0 (7.1)	27.0 (7.1)	33.0 (8.7)
Circuit Breaker Type		3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB
Fuel Tank Capacity litres (US gal)		218 (57.6)	218 (57.6)	327 (86.4)	327 (86.4)	394 (104.1)	394 (104.1)	464 (122.6)
50 Hz Prime l/hr (USg/hr)		21.7 (5.7)	23.8 (6.3)	29.9 (7.9)	32.4 (8.6)	39.8 (10.5)	45.1 (11.9)	-
50 Hz Standby l/hr (USg/hr)		23.9 (6.3)	25.5 (6.7)	33.4 (8.8)	35.1 (9.3)	43.2 (11.4)	49.0 (12.9)	-
60 Hz Prime l/hr (USg/hr)		26.1 (6.9)	-	33.1 (8.7)	37.9 (10.0)	46.5 (12.3)	-	48.5 (12.8)
60 Hz Standby l/hr (USg/hr)		29.0 (7.7)	-	36.7 (9.7)	41.6 (11.0)	50.6 (13.4)	-	53.0 (14.0)
Length mm (in)		1980 (78.0)	1980 (78.0)	2450 (96.5)	2450 (96.5)	2510 (98.8)	2510 (98.8)	2662 (104.8)
Width mm (in)		890 (35.0)	890 (35.0)	1010 (39.8)	1010 (39.8)	1010 (39.8)	1010 (39.8)	1030 (40.6)
Height mm (in)		1317 (51.9)	1435 (56.5)	1554 (61.2)	1554 (61.2)	1640 (64.6)	1640 (64.6)	1754 (69.1)
Wet Weight kg (lb)		1132 (2496)	1252 (2760)	1428(3148)	1566 (3452)	1650 (3638)	1735 (3825)	2044 (4506)
Alternator		Marelli	Marelli	Marelli	Marelli	Marelli	Marelli	Marelli
Alternator Model		MJB 225 MA4	MJB 225 MA4	MJB 225 LA4	MJB 250 MA4	MJB 250 MB4	MJB 250 LA4	MJB 250 LA4
No. of Bearings		1	1	1	1	1	1	1
Insulation Class		H	H	H	H	H	H	H
Ingress Protection		IP23	IP23	IP23	IP23	IP23	IP23	IP23
Emissions		-	-					
Emissions Enhanced			-	-	-	-	-	-
EU IIIa		-		-	-	-	-	-







P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P250-3	P275-3	P300-2	P313-3	P375-2	P375-3
kVA / kW	Prime 50 Hz	230.0 / 184.0	250.0 / 200.0	275.0 / 220.0	-	-	
	Standby 50 Hz	250.0 / 200.0	275.0 / 220.0	300.0 / 240.0	-	-	
	Prime 60 Hz	-	-	-	281.3 / 225.0	337.5 / 270.0	337.5 / 270.0
	Standby 60 Hz	-	-	-	312.5 / 250.0	375.0 / 300.0	375.0 / 300.0
	Power Factor	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	400V	400V	-	-	-
	60 Hz (1800 rpm)	-	-	-	480V	480V	480V
Engine Electrical System	Control Panel	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	1506A-E88TAG2	1506A-E88TAG3	1506D-E88TAG4	1506A-E88TAG3	1506D-E88TAG4	1506A-E88TAG5
	Voltage / Ground	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative
	Battery Charger Amps	45	45	45	45	45	45
	Cylinders / Alignment	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line
	Governing Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Induction	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity I (USg)	39.0 (10.3)	39.0 (10.3)	39.0 (10.3)	36.0 (9.5)	39.0 (10.3)	39.0 (10.3)
	Cooling System Capacity I (USg)	33.0 (8.7)	33.0 (8.7)	36.0 (9.5)	33.0 (8.7)	36.0 (9.5)	36.0 (9.5)
	Circuit Breaker Type	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB
	Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	464 (122.6)	464 (122.6)	587 (155.1)	464 (122.6)	587 (155.1)
50 Hz Prime I/hr (USg/hr)		47.8 (12.6)	51.3 (13.6)	60.6 (16.0)	-	-	-
50 Hz Standby I/hr (USg/hr)		51.7 (13.7)	56.0 (14.8)	65.1 (17.2)	-	-	-
60 Hz Prime I/hr (USg/hr)		-	-	-	59.1 (15.6)	74.6 (19.7)	72.2 (19.1)
	60 Hz Standby I/hr (USg/hr)	-	-	-	64.9 (17.1)	82.0 (21.7)	80.4 (21.2)
Weights & Dimensions	Length mm (in)	2662 (104.8)	2662 (104.8)	3300 (129.9)	2662 (104.8)	3300 (129.9)	3300 (129.9)
	Width mm (in)	1030 (40.6)	1030 (40.6)	1100 (43.3)	1030 (40.6)	1100 (43.3)	1100 (43.3)
	Height mm (in)	1754 (69.1)	1754 (69.1)	1771 (69.7)	1754 (69.1)	1771 (69.7)	1771 (69.7)
	Wet Weight kg (lb)	2084 (4594)	2084 (4594)	2390 (5269)	2084 (4594)	2426 (5348)	2390 (5269)
Alternator Details	Alternator	Marelli	Marelli	Leroy Somer	Marelli	Leroy Somer	Leroy Somer
	Alternator Model	MJB 250 LB4	MJB 250 LB4	LL5014J	MJB 250 LB4	LL5014J	LL5014J
	No. of Bearings	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised			-		-	
	Emissions Enhanced	-	-	-	-	-	-
	EU IIIa	-	-		-		-



P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P400-3	P438-3	P450-2	P450-3	P500-3	P501-3	P550-2
kVA / kW	Prime 50 Hz	350.0 / 280.0	-	400.0 / 320.0	400.0 / 320.0	455.0 / 364.0	-	500.0 / 400.0
	Standby 50 Hz	400.0 / 320.0	-	450.0 / 360.0	450.0 / 360.0	500.0 / 400.0	-	550.0 / 440.0
kVA / kW	Prime 60 Hz	-	400.0 / 320.0	-	-	-	437.5 / 350.0	-
	Standby 60 Hz	-	437.5 / 350.4	-	-	-	500.0 / 400.0	-
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	-	400V	400V	400V	-	400V
	60 Hz (1800 rpm)	-	480V	-	-	-	480V	-
Engine Electrical System	Control Panel	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	2206A-E13TAG2	2206A-E13TAG5	2206D-E13TAG3A	2206A-E13TAG3	2506A-E15TAG1	2206A-E13TAG6	2506D-E15TAG2
	Voltage / Ground	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative
	Battery Charger Amps	70	70	70	70	70	70	70
	Cylinders / Alignment	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line
	Governing Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Induction	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity I (USg)	40.0 (10.6)	40.0 (10.6)	40.0 (10.6)	40.0 (10.6)	62.0 (16.4)	40.0 (10.6)	62.0 (16.4)
	Cooling System Capacity I (USg)	45.2 (11.9)	45.2 (11.9)	45.2 (11.9)	45.2 (11.9)	58.1 (15.3)	45.2 (11.9)	48.0 (12.7)
	Circuit Breaker Type	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	888 (234.6)	888 (234.6)	888 (234.6)	888 (234.6)	888 (234.6)	888 (234.6)	1083 (286.1)
	50 Hz Prime l/hr (USg/hr)	69.6 (18.4)	-	89.1 (23.5)	79.9 (21.1)	94.0 (24.8)	-	104.0 (27.5)
	50 Hz Standby l/hr (USg/hr)	79.0 (20.9)	-	98.1 (25.9)	89.2 (23.6)	103.1 (27.2)	-	113.9 (30.1)
	60 Hz Prime l/hr (USg/hr)	-	80.9 (21.4)	-	-	-	89.1 (23.5)	-
60 Hz Standby l/hr (USg/hr)	-	88.0 (23.2)	-	-	-	101.0 (26.7)	-	
Weights & Dimensions	Length mm (in)	3800 (149.6)	3800 (149.6)	3800 (149.6)	3800 (149.6)	3800 (149.6)	3800 (149.6)	3787 (149.1)
	Width mm (in)	1131 (44.5)	1131 (44.5)	1131 (44.5)	1131 (44.5)	1131 (44.5)	1131 (44.5)	1481 (58.3)
	Height mm (in)	2156 (84.9)	2156 (84.9)	2156 (84.9)	2156 (84.9)	2215 (87.2)	2156 (84.9)	2193 (86.4)
	Wet Weight kg (lb)	3241 (7145)	3241 (7145)	3228 (7117)	3253 (7172)	3734 (8232)	3241 (7145)	3981 (8777)
Alternator Details	Alternator	FG Wilson	FG Wilson	Leroy Somer	FG Wilson	FG Wilson	FG Wilsonr	Leroy Somer
	Alternator Model	EG315M-280N	EG315M-280N	LL6114C	EG315M-320N	EG315M-360N	EG315M-300N	LL6114F
	No. of Bearings	1	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised			-				-
	Emissions Enhanced	-	-	-	-	-	-	-
	EU IIIa	-	-		-	-	-	

P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P550-3	P563-3	P605-3	P625-3	P660-3	P688-3
kVA / kW	Prime 50 Hz	500.0 / 400.0	-	550.0 / 440.0	-	600.0 / 480.0	-
	Standby 50 Hz	550.0 / 440.0	-	605.0 / 484.0	-	660.0 / 528.0	-
	Prime 60 Hz	-	512.5 / 410.0	-	568.8 / 455.0	-	625.0 / 500.0
	Standby 60 Hz	-	562.5 / 450.0	-	625.0 / 500.0	-	687.5 / 550.0
	Power Factor	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	-	400V	-	400V	-
	60 Hz (1800 rpm)	-	480V	-	480V	-	480V
Engine/Electrical System	Control Panel	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	2506A-E15TAG2	2506A-E15TAG3	2806A-E18TAG1	2506A-E15TAG4	2806A-E18TAG1A	2806A-E18TAG1A
	Voltage / Ground	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative
	Battery Charger Amps	70	70	70	70	70	70
	Cylinders / Alignment	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line	6 / In Line
	Governing Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Induction	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity l (USg)	62.0 (16.4)	62.0 (16.4)	55.5 (14.7)	62.0 (16.4)	62.0 (16.4)	62.0 (16.4)
	Cooling System Capacity l (USg)	58.1 (15.3)	58.1 (15.3)	68.5 (18.1)	58.1 (15.3)	68.5 (18.1)	68.5 (18.1)
	Circuit Breaker Type	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB	3 Pole MCCB
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	888 (234.6)	888 (234.6)	1132 (299.0)	888 (234.6)	1132 (299.0)	1132 (299.0)
	50 Hz Prime l/hr (USg/hr)	97.2 (25.7)	-	108.0 (28.5)	-	120.3 (31.8)	-
	50 Hz Standby l/hr (USg/hr)	107.4 (28.4)	-	119.3 (31.5)	-	133.1 (35.2)	-
	60 Hz Prime l/hr (USg/hr)	-	103.0 (27.2)	-	113.5 (30.0)	-	124.9 (33.0)
60 Hz Standby l/hr (USg/hr)	-	112.7 (29.8)	-	123.8 (32.7)	-	138.0 (36.5)	
Weights & Dimensions	Length mm (in)	3800 (149.6)	3800 (149.6)	3900 (153.5)	3800 (149.6)	3900 (153.5)	3900 (153.5)
	Width mm (in)	1131 (44.5)	1131 (44.5)	1461 (57.5)	1131 (44.5)	1461 (57.5)	1461 (57.5)
	Height mm (in)	2215 (87.2)	2215 (87.2)	2156 (84.9)	2215 (87.2)	2156 (84.9)	2156 (84.9)
	Wet Weight kg (lb)	3699 (8155)	3734 (8232)	4332 (9550)	3858 (8505)	4332 (9550)	4332 (9550)
Alternator Details	Alternator	FG Wilson	FG Wilson	FG Wilson	FG Wilson	FG Wilson	FG Wilson
	Alternator Model	EG315L-400N	EG315L-360N	EG355M-450N	EG315L-400N	EG355L-500N	EG355M-450N
	No. of Bearings	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised						
	Emissions Enhanced	-	-	-	-	-	-
	EU IIIa	-	-	-	-	-	-

P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P715-3	P750-3	P730P1 / P800E1	P800P1 / P900E1	P910P1 / P1000E1	P1000P1 / P1100E1
kVA / kW	Prime 50 Hz	650.0 / 520.0	-	730.0 / 584.0	800.0 / 640.0	910.0 / 728.0	1000.0 / 800.0
	Standby 50 Hz	715.0 / 572.0	-	800.0 / 640.0	900.0 / 720.0	1000.0 / 800.0	1100.0 / 880.0
	Prime 60 Hz	-	681.3 / 545.0	735.0 / 588.0	835.0 / 668.0	-	-
	Standby 60 Hz	-	750.0 / 600.0	844.0 / 675.2	938.0 / 750.4	-	-
	Power Factor	0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	-	400V	400V	400V	400V
	60 Hz (1800 rpm)	-	480V	480V	480V	-	-
Engine Electrical System	Control Panel	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	2806A-E18TAG2	2806A-E18TAG3	4006-23TAG2A	4006-23TAG3A	4008TAG1A	4008TAG2A
	Voltage / Ground	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative
	Battery Charger Amps	70	70	55	55	40	40
	Cylinders / Alignment	6 / In Line	6 / In Line	6 / In Line	6 / In Line	8 / In Line	8 / In Line
	Governing Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Induction	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity I (USg)	62.0 (16.4)	55.5 (14.7)	106.0 (28.0)	106.0 (28.0)	166.0 (43.9)	166.0 (43.9)
	Cooling System Capacity I (USg)	68.5 (18.1)	68.5 (18.1)	123.0 (32.5)	123.0 (32.5)	123.0 (32.5)	123.0 (32.5)
	Circuit Breaker Type	3 Pole MCCB	3 Pole MCCB	3 Pole ACB/MCCB	3 Pole ACB/MCCB	3 Pole ACB - Option	3 Pole ACB - Option
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	1132 (299.0)	1132 (299.0)	1494 (394.7)	1494 (394.7)	N/A	N/A
	50 Hz Prime l/hr (USg/hr)	125.6 (33.2)	-	149.8 (39.6)	163.0 (43.1)	194.4 (51.4)	215.0 (56.8)
	50 Hz Standby l/hr (USg/hr)	139.9 (37.0)	-	163.4 (43.2)	183.5 (48.5)	217.2 (57.4)	241.0 (63.7)
	60 Hz Prime l/hr (USg/hr)	-	139.6 (36.9)	167.0 (44.1)	188.3 (49.7)	-	-
	60 Hz Standby l/hr (USg/hr)	-	155.1 (41.0)	189.1 (50.0)	211.9 (56.0)	-	-
Weights & Dimensions	Length mm (in)	3900 (153.5)	3900 (153.5)	4280 (168.5)	4280 (168.5)	4976 (195.9)	4976 (195.9)
	Width mm (in)	1461 (57.5)	1461 (57.5)	1912 (75.3)	1912 (75.3)	2046 (80.6)	2046 (80.6)
	Height mm (in)	2156 (84.9)	2156 (84.9)	2277 (89.6)	2277 (89.6)	2158 (85.0)	2158 (85.0)
	Wet Weight kg (lb)	4332 (9550)	4332 (9550)	6170 (13603)	6370 (14043)	7408 (16322)	7408 (16322)
Alternator Details	Alternator	FG Wilson	FG Wilson	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
	Alternator Model	EG355L-560N	EG355M-450N	LL7024L	LL7024P	LL7124P	LL7124P
	No. of Bearings	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised			N/A	N/A	N/A	N/A
	Emissions Enhanced	-	-	N/A	N/A	N/A	N/A
	EU IIIa	-	-	N/A	N/A	N/A	N/A

P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P1125P1 / P1250E1	P1250P3 / P1375E3	P1350P1 / P1500E1	P1500P3 / P1650E3	P1700P1 / P1875E1	P1750 / P1925E
kVA / kW	Prime 50 Hz	1125.0 / 900.0	1250.0 / 1000.0	1350.0 / 1080.0	1500.0 / 1200.0	1700.0 / 1360.0	1750.0 / 1400.0
	Standby 50 Hz	1250.0 / 1000.0	1375.0 / 1100.0	1500.0 / 1200.0	1650.0 / 1320.0	1875.0 / 1500.0	1925.0 / 1540.0
kVA / kW	Prime 60 Hz	-	1250.0 / 1000.0	1350.0 / 1080.0	-	-	-
	Standby 60 Hz	-	1375.0 / 1100.0	1500.0 / 1200.0	-	-	-
Power Factor		0.8	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	400V	400V	400V	400V	400V
	60 Hz (1800 rpm)	-	480V	480V	-	-	-
Engine Electrical System	Control Panel	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	4008-30TAG3	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4016TAG
	Voltage / Ground	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative
	Battery Charger Amps	55	40	40	40	40	40
	Cylinders / Alignment	8 / In Line	12 / Vee	12 / Vee	12 / Vee	12 / Vee	16 / Vee
	Governing Type	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
	Induction	Turbocharged	Turbocharged	Turbocharged	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled
	Total Oil Capacity I (USg)	166.0 (43.9)	177.0 (46.8)	177.0 (46.8)	177.0 (46.8)	177.0 (46.8)	238.0 (62.9)
	Cooling System Capacity I (USg)	140.0 (37.0)	196.0 (51.8)	196.0 (51.8)	207.0 (54.7)	207.0 (54.7)	316.0 (83.5)
Circuit Breaker Type		3 Pole ACB - Option	3 Pole ACB - Option	3 Pole ACB - Option	3 Pole ACB - Option	3 Pole ACB - Option	3 Pole ACB - Option
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	N/A	N/A	N/A	N/A	N/A	N/A
	50 Hz Prime l/hr (USg/hr)	240.1 (63.4)	258.0 (68.2)	279.2 (73.8)	296.6 (78.4)	349.7 (92.4)	361.5 (95.5)
	50 Hz Standby l/hr (USg/hr)	266.3 (70.3)	284.9 (75.3)	313.4 (82.8)	326.3 (86.2)	390.2 (103.1)	399.9 (105.6)
	60 Hz Prime l/hr (USg/hr)	-	266.0 (70.3)	289.0 (76.3)	-	-	-
60 Hz Standby l/hr (USg/hr)	-	298.0 (78.7)	324.0 (85.6)	-	-	-	
Weights & Dimensions	Length mm (in)	4789 (188.5)	4788 (188.5)	4888 (192.4)	5095 (200.6)	5259 (207.0)	5752 (226.5)
	Width mm (in)	2257 (88.9)	1895 (74.6)	1895 (74.6)	1900 (74.8)	2192 (86.3)	2300 (90.6)
	Height mm (in)	2069 (81.5)	2450 (96.5)	2450 (96.5)	2435 (95.9)	2453 (96.6)	3020 (118.9)
	Wet Weight kg (lb)	7753 (17092)	9079 (20016)	9697 (21378)	10385 (22895)	11207 (24707)	15455 (34072)
Alternator Details	Alternator	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
	Alternator Model	LL8224H	LL8224H/L	LL8224L/P	LL8224N	LL9324F	LL9224F
	No. of Bearings	1	1	1	1	1	1
	Insulation Class	H	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised	N/A	N/A	N/A	N/A	N/A	N/A
	Emissions Enhanced	N/A	N/A	N/A	N/A	N/A	N/A
	EU IIIa	N/A	N/A	N/A	N/A	N/A	N/A

P Model Range (8.5 – 2500 kVA) (Three Phase)

Generator Set Model		P1825 / P2000E	P2000 / P2250E	P2000-1 / P2000-1E	P2250-1 / P2250-1E	P2500-1 / P2500-1E
kVA / kW	Prime 50 Hz	1825.1 / 1460.1	2000.0 / 1600.0	1850.0 / 1480.0	2000.0 / 1600.0	2250.0 / 1800.0
	Standby 50 Hz	2000.0 / 1600.0	2249.2 / 1799.4	2000.0 / 1600.0	2250.0 / 1800.0	2500.0 / 2000.0
	Prime 60 Hz	-	-	-	-	-
	Standby 60 Hz	-	-	-	-	-
	Power Factor	0.8	0.8	0.8	0.8	0.8
Voltage	50 Hz (1500 rpm)	400V	400V	400V	400V	400V
	60 Hz (1800 rpm)	-	-	-	-	-
Engine Electrical System	Control Panel	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+	PowerWizard 1.1+
	Engine	Perkins *	Perkins *	Perkins *	Perkins *	Perkins *
	Engine Model	4016TAG1A	4016TAG2A	4016-61TRG1	4016-61TRG2	4016-61TRG3
	Voltage / Ground	24 / Negative	24 / Negative	24 / Negative	24 / Negative	24 / Negative
	Battery Charger Amps	40	40	55	55	55
	Cylinders / Alignment	16 / Vee	16 / Vee	16 / 60 Deg Vee	16 / 60 Deg Vee	16 / 60 Deg Vee
	Governing Type	Electronic	Electronic	Electronic	Electronic	Electronic
	Induction	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Air Charge Cooled	Turbocharged Air To Water Charge Cooled	Turbocharged Air To Water Charge Cooled	Turbocharged Air To Water Charge Cooled
	Total Oil Capacity I (USg)	238.0 (62.9)	238.0 (62.9)	238.0 (62.9)	238.0 (62.9)	238.0 (62.9)
	Cooling System Capacity I (USg)	316.0 (83.5)	316.0 (83.5)	315.0 (83.2)	315.0 (83.2)	400.0 (105.7)
	Circuit Breaker Type	3 Pole ACB - Option	3 Pole ACB - Option	3 Pole ACB - Option	3 Pole ACB - Option	3 Pole ACB - Option
Fuel Tank / Consumption	Fuel Tank Capacity litres (US gal)	N/A	N/A	N/A	N/A	N/A
	50 Hz Prime I/hr (USg/hr)	378.2 (99.9)	425.7 (112.5)	385.4 (101.8)	418.1 (110.5)	470.6 (124.3)
	50 Hz Standby I/hr (USg/hr)	419.9 (110.9)	486.8 (128.6)	410.8 (108.5)	470.8 (124.4)	528.4 (139.6)
	60 Hz Prime I/hr (USg/hr)	-	-	-	-	-
	60 Hz Standby I/hr (USg/hr)	-	-	-	-	-
Weights & Dimensions	Length mm (in)	5752 (226.5)	5752 (226.5)	5839 (229.9)	5839 (229.9)	6038 (237.7)
	Width mm (in)	2300 (90.6)	2300 (90.6)	2176 (85.7)	2176 (85.7)	2180 (85.8)
	Height mm (in)	3020 (118.9)	3020 (118.9)	2605 (102.6)	2605 (102.6)	2900 (114.2)
	Wet Weight kg (lb)	15455 (34072)	15680 (34568)	12528 (27619)	12528 (27619)	13380 (29498)
Alternator Details	Alternator	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
	Alternator Model	LL9224F	LL9224H	LL9324F	LL9324H	LL9324P
	No. of Bearings	1	1	1	1	1
	Insulation Class	H	H	H	H	H
	Ingress Protection	IP23	IP23	IP23	IP23	IP23
Emissions	Fuel Optimised	N/A	N/A	N/A	N/A	N/A
	Emissions Enhanced	N/A	N/A	N/A	N/A	N/A
	EU IIIa	N/A	N/A	N/A	N/A	N/A

LOAD TRANSFER PANELS

24-Hour Power Protection 365 days a year...

FG Wilson's range of intelligent Load Transfer Panels offer you peace of mind.

The FG Wilson Load Transfer Panel range offers an electronically controlled response to power outages. With flexible, upgradeable options and a high level of functionality FG Wilson transfer panels provide 24-hour automatic control of standby generator sets, 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



UNRIVALLED QUALITY STANDARDS

From sourcing common components and employing world-leading manufacturing processes, through to extensive post production testing and pre-delivery inspections, our quality standards remain unrivalled.

All our facilities have been awarded ISO 9001 and ISO 14001 certification in recognition of our manufacturing and environmental standards, ensuring that our products and services are safe, reliable and of superior 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 newest facility in Tianjin, China, has also been awarded LEED Gold certification (Leadership in Energy and Environmental Design) for its environmental standards and energy efficiency. It has also been nominated as one of the top five facilities, throughout Caterpillar worldwide, for the Chairman's Excellence Award 2012.



TESTING THAT SETS US APART

All of our products undergo extensive prototype testing ensuring compliance to design specifications and legislative requirements. Further to a comprehensive validation process, these designs are subject to rigorous pre-production testing (including load acceptance, cooling, vibration, noise and water ingress) to guarantee reliability in the field.

All our standard manufacturing processes incorporate thorough testing (quality gates) at every stage of the build process to ensure we deliver consistent results. At these quality gates, any defects are found and rectified before generator sets are allowed to proceed down the line.

For more complex power systems our witness and special test facilities can simulate on site installations, running with their associated equipment, ensuring you receive a tried and tested power system that works for you.



UNRIVALLED PRODUCT SUPPORT

FG Wilson is a world leading brand in the generator set industry with 50 years experience.

A vital factor in our success is the long standing relationships we have built with our Dealers. Our global Dealer network delivers not only power but local knowledge, expertise and support to customers in over 150 countries.

From Product Training and Technical Support, to Maintenance and Service Support, through to supplying Genuine Parts, FG Wilson Dealer Service Teams are there when you need them, whatever the conditions.

Together with our Dealers, FG Wilson offers the highest levels of support to each customer – before, during and after each power installation, no matter how complex.



TELECOMMUNICATIONS

KEEPING YOU CONNECTED

FG Wilson has been serving the needs of the telecommunication sector for 50 years, with our diesel and gas generator sets.

Why Do Telecoms Technicians choose FG Wilson?

Because our generator sets deliver power 24 / 7 in even the most remote and harsh telecommunication sites. Choosing FG Wilson means lifecycle costs you can count on and expert local support.

Extended Service Intervals (ESI)

The FG Wilson telecoms range, powered by Perkins 400 series engines, can offer 1,000 hrs running between services. Compared to many competitor generator sets (250 hr service interval), this significantly reduces maintenance frequency and overall operating costs.

Extended Running Fuel Tanks

Our experience working with major telecoms operators has led us to design long running fuel tanks with added security in mind. We have developed a standard range of 600, 1,000 and 2,000 litre tanks, either single or double walled. Because everyone has different needs, our mechanical engineers can customise these fuel tanks to meet individual requirements.

The FG Wilson offering is particularly suited to remote telecom sites. ESI alongside extended running fuel tanks allow fewer visits for fuel replenishment and generator set servicing, significantly reducing operating costs.

Isolated Locations

Many telecom towers are located in remote locations, such as mountain tops. This, combined with limitations in infrastructure and transportation, renders many sites difficult to access.

Our enclosure design therefore includes a strengthened single point capable of lifting a generator set together with up to the 1,000 litre double walled tank.

Where an air lift is required, this single point lift allows a single helicopter journey, facilitating an efficient and cost effective installation.

All products manufactured in our APS facility are TLC certified for the China telecoms market.



CUSTOM POWER

...BECAUSE OUR CUSTOMERS DON'T COME AS STANDARD

Often, there is nothing standard about your power requirements, so when you need a fast, expert specification, you can trust our Custom Power Team. Alongside your local Dealer, we are there to specify, design, install and commission your customised power system, no matter how complex. And your support doesn't end there.

Backed by our experienced team of Engineers, Project Managers and over 300 skilled technicians globally, we're there every step of the way to ensure your project runs like clockwork.

Let us take care of it.

Witness Test Facilities

With eleven witness test cells we provide witness and special test facilities for testing your custom power generator sets with resistive load capacity up to 12 mW and inductive load of 3 mVA.

High voltage testing is offered up to 5 mVA at 13.8 kV to simulate conditions when generator sets are installed in the field. In addition, we provide testing that simulates the on site installation of multiple generator sets running with their associated equipment. We also offer cooling system performance, control system, vibration, sound and fuel consumption checks.

Tested by us, trusted by you.





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