

GS Series

GSL 22-65



Single fluid for both cooling and lubrication, the GSL series is one of the best choices to work for continuous duty in severe hot weather conditions such as in tropical areas. Available both in an open and soundproof version, these generating sets are highly appreciated in the telecommunications, construction and defence sectors due to their durability and reliability. All service points accessible from one side make the maintenance easy and fast.



OPEN



Integrated metal fuel tank



Base frame provided with feet for easy handling



Moving and rotating parts protections against accidental contacts



Heavy duty anti-vibration mountings



CANOPY



Central lifting point



Compact design with integrated plastic fuel tank



Exhaust silencer with rain flap



Niche for external emergency push-button



GSL 22 - 65									
GENERATING SET		GSL22D		GSL30D		GSL42D		GSL65D	
POWER SUPPLY		THREE PHASE 400/230V**							
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA
STAND BY POWER LTP		20,4	25,5	30,7	38,4	41,0	51,2	59,0	73,8
PRIME POWER PRP		19,7	24,6	29,3	36,6	38,9	48,6	55,8	69,7
POWER SPECIFICATIONS									
VOLTAGE	Volt	480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY	Hz	60		60		60		60	
POWER FACTOR	cos Φ	0,8		0,8		0,8		0,8	
ENGINE									
BRAND		Deutz AG		Deutz AG		Deutz AG		Deutz AG	
MODEL		F3M2011		F4M2011		BF4M2011		BF4M2011C	
FUEL		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	2330		3110		3110		3110	
SPEED	rpm	1800		1800		1800		1800	
CYLINDER		3 in line		4 in line		4 in line		4 in line	
COOLING SYSTEM		Oil		Oil		Oil		Oil	
STARTING SYSTEM		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12	
ASPIRATION		Natural		Natural		Turbo		Turbocharged intercooled	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Non Emission Certified		Non Emission Certified		Non Emission Certified		Non Emission Certified	
STAND BY POWER LTP	kW	24,5		35,2		47,3		67,1	
PRIME POWER PRP	kW	23,3		33,5		45,0		63,6	
ALTERNATOR									
TYPE		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	23		23		21		21	
CONSUMPTION									
FUEL CONSUMPTION at 75% of load	L/h	4,82		7,07		9,31		12,31	
FUEL CONSUMPTION at 100% of load	L/h	6,38		9,35		12,91		16,28	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
DIMENSION AND WEIGHT									
LENGTH	mm	1400	2000	1800	2000	1800	2000	2007	2285
WIDTH	mm	750	920	750	920	750	920	758	920
HEIGHT	mm	1678	1310	1518	1310	1518	1310	1841	1310
WEIGHT (DRY)	kg	534	690	714	760	761	824	858	981
FUEL TANK MATERIAL		Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic
FUEL TANK CAPACITY	L	91	68	91	68	91	68	91	209
RUNNING TIME at 75% of load	h	18,88	14,11	12,87	9,62	9,77	7,30	7,39	16,98
OPTIONALS **									
EFT - EXTENDED FUEL TANK (supplement)	L	-	450	-	450	-	450	-	450
KPR - PREMIUM KIT		-	S	-	S	-	S	-	S
EEG - ELECTRONIC ENGINE GOVERNOR		S	S	S	S	S	S	S	S
STR - SITE TRAILER		-	0	-	0	-	0	-	0
RTR - ROAD TRAILER		-	0	-	0	-	0	-	0
RES - RESIDENTIAL SILENCER		0	-	0	-	0	-	0	-
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	-	0	-	0	-	0	-
CONTROL PANEL AVAILABLE									
MANUAL CONTROL PANEL	MCP	6	5	6	5	6	5	6	5
AUTOMATIC CONTROL PANEL	ACP	9		9		9		9	

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GSW 10-220

Available in a large range of models, the GSW series offers plenty of solutions to a variety of applications, from continuous to emergency/back up power supply. Compliant with noise and safety regulations, these generators can be used both in residential and industrial areas. Several control panel solutions, many optional extra's and accessories make the GSW generators versatile and able to serve the most demanding customer needs.



OPEN



Integrated metal fuel tank



Base frame provided with feet for easy handling



Moving and rotating parts protections against accidental contacts



Heavy duty anti-vibration mountings



GSW 65-220

CANOPY



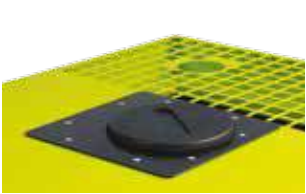
Central lifting point



Compact design with integrated plastic fuel tank



Exhaust silencer with rain flap



Coolant refilling facility



GSW 10-220

GSW 10 - 25 DIESEL											
GENERATING SET		GSW10Y		GSW10P		GSW15P		GSW15Y		GSW25P	
POWER SUPPLY											
THREE PHASE											
STAND BY POWER LTP		9,4		11,7		10,0		12,5		14,0	
PRIME POWER PRP		8,6		10,8		9,0		11,3		12,7	
POWER SPECIFICATIONS											
VOLTAGE		480 / 277		480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY		60		60		60		60		60	
POWER FACTOR		0,8		0,8		0,8		0,8		0,8	
ENGINE											
BRAND		Yanmar		Perkins		Perkins		Yanmar		Perkins	
MODEL		3TNV76-GPGE		403D-11G		403D-15G		3TNV88-BGPGE		404D-22G	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT		1116		1131		1496		1642		2216	
SPEED		1800		1800		1800		1800		1800	
CYLINDER		3 in line		3 in line		3 in line		3 in line		4 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT		12		12		12		12		12	
ASPIRATION		Natural		Natural		Natural		Natural		Natural	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Tier 4 Interim		Tier 4 Interim		Tier 4 Interim		Tier 4 Interim		Tier 4 Interim	
STAND BY POWER LTP		11,1		11,8		16,2		16,9		24,3	
PRIME POWER PRP		10,2		10,7		14,7		16,1		22,0	
ALTERNATOR											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION		23		23		23		23		23	
CONSUMPTION											
FUEL CONSUMPTION at 75% of load		2,45		2,49		3,29		3,61		4,74	
FUEL CONSUMPTION at 100% of load		3,22		3,16		4,32		4,76		6,10	
VERSION											
DIMENSION AND WEIGHT											
LENGTH		1800		1800		1800		1800		1800	
WIDTH		850		850		850		850		850	
HEIGHT		1260		1260		1260		1260		1260	
WEIGHT (DRY)		525		745		745		580		730	
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY		68		68		68		68		68	
RUNNING TIME at 75% of load		27,76		27,31		20,67		18,84		14,35	
OPTIONALS **											
EFT - EXTENDED FUEL TANK (supplement)		210		210		210		210		210	
KPR - PREMIUM KIT		S		S		S		S		S	
STR - SITE TRAILER		-	0	-	0	-	0	-	0	-	0
RTR - ROAD TRAILER		-	0	-	0	-	0	-	0	-	0
CONTROL PANEL AVAILABLE											
MANUAL CONTROL PANEL		5		5		5		5		5	
AUTOMATIC CONTROL PANEL		9		9		9		9		9	

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GSW 25 - 45 DIESEL											
GENERATING SET		GSW25Y		GSW30P		GSW30Y		GSW45Y		GSW45P	
POWER SUPPLY											
THREE PHASE											
STAND BY POWER LTP		19,3		24,2		30,7		38,4		45,1	
PRIME POWER PRP		18,3		22,9		29,9		36,1		42,8	
POWER SPECIFICATIONS											
VOLTAGE		480 / 277		480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY		60		60		60		60		60	
POWER FACTOR		0,8		0,8		0,8		0,8		0,8	
ENGINE											
BRAND		Yanmar		Perkins		Yanmar		Yanmar		Perkins	
MODEL		4TNV88-BGPGE		1103A-33G		4TNV98-GPGE		4TNV98T-GPGE		1103A-33TG1	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT		2190		3300		3319		3319		3300	
SPEED		1800		1800		1800		1800		1800	
CYLINDER		4 in line		3 in line		4 in line		4 in line		3 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT		12		12		12		12		12	
ASPIRATION		Natural		Natural		Natural		Natural		Turbocharged	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Tier 4 Interim		Non Emission Certified		Non Emission Certified		Non Emission Certified		Non Emission Certified	
STAND BY POWER LTP		22,5		36,5		41,3		50,6		55,6	
PRIME POWER PRP		21,4		33,2		39,3		48,1		50,5	
ALTERNATOR											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION		IP		23		23		21		21	
CONSUMPTION											
FUEL CONSUMPTION at 75% of load		4,86		6,63		6,83		9,89		9,79	
FUEL CONSUMPTION at 100% of load		6,39		8,60		9,10		13,23		12,70	
VERSION											
DIMENSION AND WEIGHT											
LENGTH		1800		2000		2000		2000		2000	
WIDTH		850		920		920		920		920	
HEIGHT		1260		1310		1310		1310		1310	
WEIGHT (DRY)		670		877		773		839		958	
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY		68		68		68		68		68	
RUNNING TIME at 75% of load		13,99		10,26		9,96		6,88		6,95	
OPTIONS **											
EFT - EXTENDED FUEL TANK (supplement)		210		450		450		450		450	
KPR - PREMIUM KIT		S		S		S		S		S	
STR - SITE TRAILER		0		0		0		0		0	
RTR - ROAD TRAILER		0		0		0		0		0	
CONTROL PANEL AVAILABLE											
MANUAL CONTROL PANEL		MCP		5		5		5		5	
AUTOMATIC CONTROL PANEL		ACP		9		9		9		9	

GSW 65 - 80 DIESEL											
GENERATING SET		GSW65I		GSW65D		GSW65P		GSW80I		GSW80D	
POWER SUPPLY											
THREE PHASE											
STAND BY POWER LTP											
PRIME POWER PRP											
POWER SPECIFICATIONS											
VOLTAGE	Volt	480 / 277		480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY	Hz	60		60		60		60		60	
POWER FACTOR	cos ϕ	0,8		0,8		0,8		0,8		0,8	
ENGINE											
BRAND		FPT		Deutz		Perkins		FPT		Deutz	
MODEL		NEF45SM1A		BF4M2012		1103A-33TG2		NEF45SM2A		BF4M2012C	
FUEL		Diesel		DIESEL		Diesel		Diesel		DIESEL	
DISPLACEMENT	cc	4500		4040		3300		4500		4040	
SPEED	rpm	1800		1800		1800		1800		1800	
CYLINDER		4 in line		4 in line		3 in line		4 in line		4 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12		12	
ASPIRATION		Turbocharged intercooled		Turbo		Turbocharged		Turbocharged		Turbo, CAC	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Non Emission Certified		Tier 2		Non Emission Certified		Non Emission Certified		Tier 2	
STAND BY POWER LTP	kW	67,0		58,0		69,6		74,0		79,7	
PRIME POWER PRP	kW	61,0		52,0		63,3		67,4		70,7	
ALTERNATOR											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21		21		21	
CONSUMPTION											
FUEL CONSUMPTION at 75% of load	L/h	11,75		10,26		12,57		13,11		13,7	
FUEL CONSUMPTION at 100% of load	L/h	15,50		13,68		16,60		17,29		18,26	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
DIMENSION AND WEIGHT											
LENGTH	mm	2200	2400	2380	2410	2200	2285	2200	2400	2380	2410
WIDTH	mm	1000	1000	1080	1000	1000	920	1000	1000	1080	1000
HEIGHT	mm	1743	1530	1600	1540	1743	1465	1743	1530	1600	1540
WEIGHT (DRY)	kg	1123	1440	1100	1250	909	1085	1139	1426	1120	1390
FUEL TANK MATERIAL		Metal	Plastic	Plastic	Plastic	Metal	Plastic	Metal	Plastic	Plastic	Plastic
FUEL TANK CAPACITY	L	240	209	297	125	240	209	240	209	297	125
RUNNING TIME at 75% of load	h	20,43	17,79	23,76	10,00	19,09	16,63	18,31	15,94	21,38	9,00
OPTIONALS **											
EFT - EXTENDED FUEL TANK (supplement)	L	-	890	-	890	-	730	-	890	-	890
KPR - PREMIUM KIT		-	S	-	S	-	S	-	S	-	S
EEG - ELECTRONIC ENGINE GOVERNOR		S	S	S	S	S	S	S	S	S	S
STR - SITE TRAILER		-	0	-	0	-	0	-	0	-	0
RTR - ROAD TRAILER		-	0	-	0	-	0	-	0	-	0
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE											
MANUAL CONTROL PANEL	MCP	6	7	6	7	6	7	6	7	6	7
AUTOMATIC CONTROL PANEL	ACP	9		9		9		9		9	
MODULAR PARALLEL PANEL	MPP	10		10		-		10		10	

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GSW 80 - 110 DIESEL											
GENERATING SET		GSW80P		GSW110D		GSW110V		GSW110I		GSW110P	
POWER SUPPLY											
THREE PHASE											
STAND BY POWER LTP		80,0	100,0	94,0	117,0	97,6	121,9	100,6	125,7	105,4	131,8
PRIME POWER PRP		75,0	93,7	89,0	111,0	87,2	109,0	91,5	114,3	95,4	119,2
POWER SPECIFICATIONS											
VOLTAGE	Volt	480 / 277		480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY	Hz	60		60		60		60		60	
POWER FACTOR	cos ϕ	0,8		0,8		0,8		0,8		0,8	
ENGINE											
BRAND		Perkins		Deutz		Volvo		FPT		Perkins	
MODEL		1104A-44TG2		BF4M1013EC		TAD531GE		NEF45TM2A		1104C-44TAG2	
FUEL		Diesel		DIESEL		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	4400		4760		4760		4500		4410	
SPEED	rpm	1800		1800		1800		1800		1800	
CYLINDER		4 in line		4 in line		4 in line		4 in line		4 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12		12	
ASPIRATION		Turbocharged		Turbo, CAC		Turbocharged intercooled		Turbocharged aftercooled		Turbocharged	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical		Electronic	
EMISSION STAGE COMPLIANCE EU		Non Emission Certified		Tier 2		Tier 2		Non Emission Certified		Non Emission Certified	
STAND BY POWER LTP	kW	93,0		96,1		114,2		110,0		117,5	
PRIME POWER PRP	kW	84,5		91,1		103,2		100,3		106,8	
ALTERNATOR											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21		21		21	
CONSUMPTION											
FUEL CONSUMPTION at 75% of load	L/h	16,8		19,6		20,98		19,83		21,05	
FUEL CONSUMPTION at 100% of load	L/h	21,97		26,1		26,78		26,39		26,95	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
DIMENSION AND WEIGHT											
LENGTH	mm	2200	2285	2380	3010	2200	3000	2200	3000	2000	2400
WIDTH	mm	1000	920	1080	1180	1000	1150	1000	1150	1000	1000
HEIGHT	mm	1743	1465	1760	1780	1743	1760	1743	1760	1743	1530
WEIGHT (DRY)	kg	964	1144	1380	1742	1433	1727	1310	1684	1170	1400
FUEL TANK MATERIAL		Metal	Plastic	Plastic	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic
FUEL TANK CAPACITY	L	240	209	297	360	240	350	240	350	240	209
RUNNING TIME at 75% of load		14,29	12,44	14,85	18,00	11,44	16,68	12,10	17,65	11,40	9,93
OPTIONALS **											
EFT - EXTENDED FUEL TANK (supplement)	L	-	730	-	1750	-	1750	-	1750	-	890
KPR - PREMIUM KIT		-	S	-	S	-	S	-	S	-	S
EEG - ELECTRONIC ENGINE GOVERNOR		S	S	S	S	S	S	S	S	√	√
STR - SITE TRAILER		-	0	-	0	-	0	-	0	-	0
RTR - ROAD TRAILER		-	0	-	0	-	0	-	0	-	0
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE											
MANUAL CONTROL PANEL	MCP	6	7	6	7	6	7	6	7	6	7
AUTOMATIC CONTROL PANEL	ACP	9		9		9		9		9	
MODULAR PARALLEL PANEL	MPP	10		10		-		10		10	

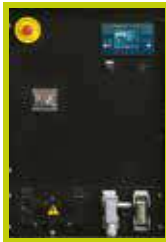
GSW 150 - 170 DIESEL									
GENERATING SET		GSW150D		GSW150V		GSW145I		GSW170V	
POWER SUPPLY									
THREE PHASE									
STAND BY POWER LTP		kW		kVA		kW		kVA	
PRIME POWER PRP		120,0		151,0		122,3		152,9	
		109,0		136,0		109,0		136,3	
POWER SPECIFICATIONS									
VOLTAGE		480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY		60		60		60		60	
POWER FACTOR		0,8		0,8		0,8		0,8	
ENGINE									
BRAND		Deutz		Volvo		FPT		Volvo	
MODEL		BF4M1013FC		TAD532GE		NEF67SM1A		TAD731GE	
FUEL		DIESEL		Diesel		Diesel		Diesel	
DISPLACEMENT		4760		4760		6700		7150	
SPEED		1800		1800		1800		1800	
CYLINDER		4 in line		4 in line		6 in line		6 in line	
COOLING SYSTEM		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT		12		12		12		12	
ASPIRATION		Turbo, CAC		Turbocharged intercooled		Turbocharged		Turbocharged intercooled	
SPEED GOVERNOR		Mechanical				Mechanical			
EMISSION STAGE COMPLIANCE EU		Tier 2		Tier 2		Non Emission Certified		Tier 2	
STAND BY POWER LTP		124,0		137,7		145,0		162,7	
PRIME POWER PRP		112,0		123,7		132,4		146,7	
ALTERNATOR									
TYPE		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION		21		21		21		21	
CONSUMPTION									
FUEL CONSUMPTION at 75% of load		19,9		24,52		28,44		29,33	
FUEL CONSUMPTION at 100% of load		26,53		32,69		34,22		37,9	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
DIMENSION AND WEIGHT									
LENGTH		2380		3010		2200		3000	
WIDTH		1080		1180		1000		1150	
HEIGHT		1760		1780		1743		1760	
WEIGHT (DRY)		1400		1767		1491		1720	
FUEL TANK MATERIAL		Plastic		Plastic		Metal		Plastic	
FUEL TANK CAPACITY		297		360		240		350	
RUNNING TIME at 75% of load		14,03		17,00		9,79		14,27	
OPTIONALS **									
EFT - EXTENDED FUEL TANK (supplement)		-		1750		-		1750	
KPR - PREMIUM KIT		-		S		-		S	
EEG - ELECTRONIC ENGINE GOVERNOR		S		S		S		S	
STR - SITE TRAILER		-		0		-		0	
RTR - ROAD TRAILER		-		0		-		0	
RES - RESIDENTIAL SILENCER		0		√		0		√	
FEC - FLEXIBLE EXHAUST COMPENSATOR		0		√		0		√	
CONTROL PANEL AVAILABLE									
MANUAL CONTROL PANEL		6		7		6		7	
AUTOMATIC CONTROL PANEL		9		9		9		9	
MODULAR PARALLEL PANEL		10		10		-		10	

S = Supplement (version available when ordered); for equipment and descriptions see page 61 - 0 = Accessory; for equipment and descriptions see page 61 - ● = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 60 - √ standard - **= Other configurations and detailed specifications are available on www.pramac.com

GSW 170 - 220 DIESEL											
GENERATING SET		GSW170D		GSW170I		GSW220V		GSW220D		GSW220I	
POWER SUPPLY											
THREE PHASE											
STAND BY POWER LTP		kW		kVA		kW		kVA		kW	
PRIME POWER PRP		147,0		183,0		156,8		195,9		200,7	
		139,0		174,0		141,8		177,3		180,1	
POWER SPECIFICATIONS											
VOLTAGE		480 / 277		480 / 277		480 / 277		480 / 277		480 / 277	
FREQUENCY		60		60		60		60		60	
POWER FACTOR		0,8		0,8		0,8		0,8		0,8	
ENGINE											
BRAND		Deutz		FPT		Volvo		Deutz		FPT	
MODEL		BF6M1013EC		NEF67TM3A		TAD733GE		BF6M1013FC G3		NEF67TE2A	
FUEL		DIESEL		Diesel		Diesel		DIESEL		Diesel	
DISPLACEMENT		7150		6700		7150		7150		6700	
SPEED		1800		1800		1800		1800		1800	
CYLINDER		6 in line		6 in line		6 in line		6 in line		6 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT		12		12		24		12		12	
ASPIRATION		Turbo, CAC		Turbocharged aftercooled		Turbocharged intercooled		Turbo, CAC		Turbocharged aftercooled	
SPEED GOVERNOR		Mechanical		Mechanical		Electronic		Mechanical		Electronic	
EMISSION STAGE COMPLIANCE EU		Tier 2		Non Emission Certified		Tier 2		Tier 2		Non Emission Certified	
STAND BY POWER LTP		145,8		172,5		224,5		193,8		222,5	
PRIME POWER PRP		138,8		156,8		202,5		175,8		202,5	
ALTERNATOR											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION		21		21		21		21		21	
CONSUMPTION											
FUEL CONSUMPTION at 75% of load		24,1		31,29		40,38		33,28		39,46	
FUEL CONSUMPTION at 100% of load		32,13		40,6		54,97		44,37		51,83	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
DIMENSION AND WEIGHT											
LENGTH		2700		3410		2600		3400		2650	
WIDTH		1170		1260		1000		1250		1180	
HEIGHT		1870		1780		1743		1770		1965	
WEIGHT (DRY)		1700		2130		1505		2057		2238	
FUEL TANK MATERIAL		Plastic		Plastic		Metal		Plastic		Metal	
FUEL TANK CAPACITY		360		360		240		350		400	
RUNNING TIME at 75% of load		13,00		13,00		7,67		11,19		9,91	
OPTIONALS **											
EFT - EXTENDED FUEL TANK (supplement)		-		1750		-		1750		-	
KPR - PREMIUM KIT		-		S		-		S		-	
EEG - ELECTRONIC ENGINE GOVERNOR		S		S		S		S		√	
STR - SITE TRAILER		-		0		-		0		-	
RTR - ROAD TRAILER		-		0		-		0		-	
RES - RESIDENTIAL SILENCER		0		√		0		√		0	
FEC - FLEXIBLE EXHAUST COMPENSATOR		0		√		0		√		0	
CONTROL PANEL AVAILABLE											
MANUAL CONTROL PANEL		6		7		6		7		6	
AUTOMATIC CONTROL PANEL		9		9		9		9		9	
MODULAR PARALLEL PANEL		10		10		10		10		10	

ELECTRICAL EQUIPMENT

GSW SERIES 10 - 220

CONTROL PANELS Type	MCP 6 Manual control panel	MCP 7 Manual control panel	ACP 9 Automatic Control Panel	MPP 10 Modular Parallel Panel
Control panels with controls, instrumentations and protections to meet multiple applications. Designed for dedicated metallic box assembled and integrated into the generator.				
OPERATIONAL TYPES				
MANUAL START/STOP	√	√	√	√
AUTOMATIC MAIN FAILURE	-	-	√ (with LTS)	√ (with ATS)
AUTOMATIC START/STOP (remote)	S	S	√	√
PARALLEL RUNNING	-	-	-	√
COMMAND				
Operation modes	OFF Manual Key Start	OFF Manual Key Start	OFF Manual starting Automatic starting Automatic test	OFF Manual starting Automatic function Multiple parallel genset Parallel to Mains
Emergency stop button	√	√	√	√
Circuit breaker	√	√	√	√
INSTRUMENTATIONS				
Type	Analogue	Analogue	Digital control unit	Digital control unit
Genset voltage	1 phases sensing	1 phase sensing	3 phases sensing	3 phases sensing
Genset current intensity	1 phases sensing	1 phase sensing	3 phases sensing	3 phases sensing
Frequency meter	-	-	√	√
Hour meter	√	√	√	√
Fuel level	-	-	√	√
Oil pressure	-	-	√	√
Engine temperature	-	-	√	√
Generating set Power	-	-	kVA - kW - kVAr - Cos Φ	kVA - kW - kVAr - Cos Φ
Battery voltage	-	-	√	√
Mains voltage	-	-	√	√
Engine speed r.p.m.	-	-	√	√
PROTECTIONS				
Low fuel level	√	√	√	√
Low oil pressure	√	√	√	√
High engine temperature	√	√	√	√
Battery charger failure	√	√	√	√
Earth Fault	√	√	√	√
Circuit breaker protection	III Poles	III Poles	III Poles	IV Poles (motorized)
Under/Over Voltage	-	-	√	√
Under/Over Frequency	-	-	√	√
Reverse power	-	-	√	√
OUTPUT**				
ETB- External Terminal Board	-	S	S	√
Terminals connection for LTS panel	-	-	√	-
Predisposed for remote control RCG	-	-	√	√
RS232 Communication port	-	-	√	√
Multi-pin connectors for parallel GE	-	-	-	√
OPTIONALS **				
TIF - IV Poles Circuit Breaker	S	S	S	√
ADI - Earth Fault Protection Relay	√	√	S	S
RSS - Remote Start & Stop	S	S	√	√
TLP - Terminal Low Potential	-	-	S	S
RCG - Remote controls	-	-	S	S
PHS - Coolant Pre-Heating System	-	-	S	S
AFP - Automatic Fuel Pump	-	-	S	S
LTS - Load Transfer Switch	-	-	0	-
ATS - Automatic Transfer Switch	-	-	0	0

√ = standard - 0 = Accessory available - S = Supplement (version available when ordered) - - = Not available - **= Other configurations and detailed specifications are available on www.pramac.com

OPTIONALS

GSW SERIES 10 - 220

SUPPLEMENTS AND ACCESSORIES **

KPR - PREMIUM KIT

To upgrade the generator equipment with a leak proof tray, leak detection sensor and manual lube oil drain pump



EFT - EXTENDED FUEL TANK

Larger metal fuel tank integrated in a bigger base frame allowing longer genset autonomy, at least till 48h at 75% PRP. Provided with pull bars and drainage facility



AFP - AUTOMATIC FUEL PUMP

Automatic fuel transfer system from an external storage fuel tank to the one integrated in the generator



TRAILERS

Designed to transporting our generator sets with maximum safety. Available in two different types both for road and site applications, according to customer needs



LTS - LOAD TRANSFER SWITCH

To allow load transferring operations from Mains to genset and vice-versa. Up to 140A equipped with contactors and from 160A equipped with motorized changeover switch



RCG - REMOTE CONTROL

Large list of additional modules/devices for remote operation and control of the generating set



**= Other configurations and detailed specifications are available on www.pramac.com