

GSW 10-225



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 65-225

CANOPY



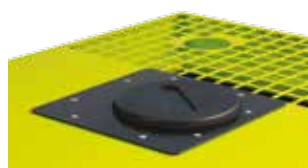
Central lifting point



Compact design with integrated plastic fuel tank



Exhaust silencer with rain flap



Coolant refilling facility



GSW 10-225

GSW 10 - 22 DIESEL

GENERATING SET	GSW10P		GSW10Y		GSW15P		GSW15Y		GSW22P		GSW22Y	
	THREE PHASE 400/230V**											
POWER SUPPLY	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
THREE PHASE												
STAND BY POWER LTP	8,0	10,0	7,7	9,7	11,5	14,3	11,6	14,5	17,2	21,5	15,5	19,3
PRIME POWER PRP	7,2	9,0	7,0	8,8	10,3	12,9	11,1	13,9	16,1	20,1	14,7	18,4
POWER SPECIFICATIONS												
VOLTAGE Volt	400		400		400		400		400		400	
FREQUENCY Hz	50		50		50		50		50		50	
POWER FACTOR cos Φ	0,8		0,8		0,8		0,8		0,8		0,8	
ENGINE												
BRAND	Perkins		Yanmar		Perkins		Yanmar		Perkins		Yanmar	
MODEL	403D-11G		3TNV76-GPGE		403D-15G		3TNV88-BGPGE		404D-22G		4TNV88-BGPGE	
FUEL	Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT cc	1131		1116		1496		1642		2216		2190	
SPEED rpm	1500		1500		1500		1500		1500		1500	
CYLINDER	3 in line		3 in line		3 in line		3 in line		4 in line		4 in line	
COOLING SYSTEM	Water		Water		Water		Water		Water		Water	
STARTING SYSTEM	Electric		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT Volt	12		12		12		12		12		12	
ASPIRATION	Natural		Natural		Natural		Natural		Natural		Natural	
SPEED GOVERNOR	Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU	Unregulated		Unregulated		Unregulated		Unregulated		Stage IIIA		Stage IIIA	
STAND BY POWER LTP kW	9,5		9,2		13,5		14,0		20,6		18,2	
PRIME POWER PRP kW	8,6		8,4		12,2		13,3		18,7		17,3	
ALTERNATOR												
TYPE	Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES	4		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM	Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION IP	23		23		23		23		23		23	
CONSUMPTION												
FUEL CONSUMPTION at 75% / 100% of load L/h	1,99 / 2,58		1,99 / 2,65		2,74 / 3,6		2,98 / 3,96		3,98 / 5,28		3,80 / 5,04	
VERSION												
NOISE EMISSION												
NOISE PRESSURE LEVEL at 7 mt db(A)	66		65		58		65		58		63	
GUARANTEED SOUND POWER LEVEL LWA db(A)	95		94		87		94		87		92	
DIMENSION AND WEIGHT												
LENGTH mm	1800		1800		1800		1800		1800		1800	
WIDTH mm	850		850		850		850		850		850	
HEIGHT mm	1260		1260		1260		1260		1260		1260	
WEIGHT (DRY) kg	745		525		745		580		730		670	
FUEL TANK MATERIAL	Plastic		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY L	68		68		68		68		68		68	
RUNNING TIME at 75% of load h	34,17		34,17		24,82		22,82		17,09		17,89	
OPTIONS **												
EFT - EXTENDED FUEL TANK (supplement) L	210		210		210		210		210		210	
KPR - PREMIUM KIT	S		S		S		S		S		S	
KRT - RENTAL KIT	S		S		S		S		S		S	
STR - SITE TRAILER	0		0		0		0		0		0	
RTR - ROAD TRAILER	0		0		0		0		0		0	
CONTROL PANEL AVAILABLE												
MANUAL CONTROL PANEL MCP	5		5		5		5		5		5	
MANUAL CONTROL PANEL FULL OPTION MPF	8		8		8		8		8		8	
AUTOMATIC CONTROL PANEL ACP	9		9		9		9		9		9	

S = Supplement (version available when ordered); for equipment and descriptions see page 77 - 0 = Accessory; for equipment and descriptions see page 77

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GSW 30 - 50 DIESEL

GENERATING SET		GSW30P	GSW30Y	GSW35Y	GSW45P	GSW45Y	GSW50Y						
POWER SUPPLY		THREE PHASE 400/230V**											
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
STAND BY POWER LTP		26,0	32,5	26,0	32,5	26,0	32,5	38,4	48,0	36,7	45,9	37,0	46,3
PRIME POWER PRP		24,4	30,5	24,4	30,5	24,4	30,5	36,6	45,7	34,8	43,5	35,2	44,0
POWER SPECIFICATIONS													
VOLTAGE	Volt	400		400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8		0,8		0,8		0,8	
ENGINE													
BRAND		Perkins		Yanmar		Yanmar		Perkins		Yanmar		Yanmar	
MODEL		1103A-33G		4TNV98-IGPGE		4TNV98-ZGPGE		1103A-33TG1		4TNV98T-GPGE		4TNV98T-ZGPGE	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	3300		3319		3319		3300		3319		3319	
SPEED	rpm	1500		1500		1500		1500		1500		1500	
CYLINDER		3 in line		4 in line		4 in line		3 in line		4 in line		4 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12		12		12	
ASPIRATION		Natural		Natural		Natural		Turbocharged		Turbocharged		Turbocharged	
SPEED GOVERNOR		Mechanical		Mechanical		Electronic		Mechanical		Mechanical		Electronic	
EMISSION STAGE COMPLIANCE EU		Non Emission Certified		Stage IIIA		Stage IIIA		Non Emission Certified		Stage II		Stage IIIA	
STAND BY POWER LTP	kW	31,0		34,6		34,6		46,5		41,8		42,3	
PRIME POWER PRP	kW	28,2		32,9		32,9		42,2		39,7		40,2	
ALTERNATOR													
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	23		23		23		21		21		21	
CONSUMPTION													
FUEL CONSUMPTION at 75% / 100% of load	L/h	5,41 / 7,1		5,82 / 7,75		5,92 / 7,89		8,21 / 10,7		8,17 / 10,92		8,32 / 11,1	
VERSION													
NOISE EMISSION													
NOISE PRESSURE LEVEL at 7 mt	db(A)	64		66		66		66		66		66	
GUARANTEED SOUND POWER LEVEL	LWA db(A)	93		95		95		95		95		95	
DIMENSION AND WEIGHT													
LENGTH	mm	2000		2000		2000		2000		2000		2000	
WIDTH	mm	920		920		920		920		920		920	
HEIGHT	mm	1310		1310		1310		1310		1310		1310	
WEIGHT (DRY)	kg	877		773		773		958		839		839	
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	L	68		68		68		68		68		68	
RUNNING TIME at 75% of load	h	12,57		11,68		11,49		8,28		8,32		8,17	
OPTIONALS **													
EFT - EXTENDED FUEL TANK (supplement)	L	450		450		450		450		450		450	
KPR - PREMIUM KIT		S		S		S		S		S		S	
KRT - RENTAL KIT		S		S		S		S		S		S	
STR - SITE TRAILER		0		0		0		0		0		0	
RTR - ROAD TRAILER		0		0		0		0		0		0	
CONTROL PANEL AVAILABLE													
MANUAL CONTROL PANEL	MCP	5		5		5		5		5		5	
MANUAL CONTROL PANEL FULL OPTION	MPF	8		8		8		8		8		8	
AUTOMATIC CONTROL PANEL	ACP	9		9		9		9		9		9	

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GSW 65 - 80 DIESEL

GENERATING SET	GSW65I		GSW65P		GSW67P		GSW80I		GSW80P			
	THREE PHASE 400/230V**											
POWER SUPPLY	kW		kVA		kW		kVA		kW		kVA	
THREE PHASE	53,1		66,4		53,5		66,9		53,3		66,6	
STAND BY POWER LTP	48,2		60,2		48,6		60,7		48,8		61,0	
PRIME POWER PRP	400		400		400		400		400		400	
POWER SPECIFICATIONS	50		50		50		50		50		50	
VOLTAGE	0,8		0,8		0,8		0,8		0,8		0,8	
FREQUENCY	FPT		Perkins		Perkins		FPT		Perkins		Perkins	
POWER FACTOR	NEF45SM1A		1103A-33TG2		1104D-44TG3		NEF45SM2A		1104A-44TG2		1104A-44TG2	
ENGINE	Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
BRAND	4500		3300		4400		4500		4400		4400	
MODEL	1500		1500		1500		1500		1500		1500	
FUEL	4 in line		3 in line		4 in line		4 in line		4 in line		4 in line	
DISPLACEMENT	Water		Water		Water		Water		Water		Water	
SPEED	Electric		Electric		Electric		Electric		Electric		Electric	
CYLINDER	12		12		12		12		12		12	
COOLING SYSTEM	Turbocharged intercooled		Turbocharged		Turbocharged		Turbocharged		Turbocharged		Turbocharged	
STARTING SYSTEM	Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
ELECTRIC CIRCUIT	Stage II		Non Emission Certified		Stage IIIA		Stage II		Non Emission Certified		Non Emission Certified	
ASPIRATION	60,0		60,5		61,6		74,0		80,7		80,7	
SPEED GOVERNOR	54,5		55,0		56,6		67,4		73,4		73,4	
EMISSION STAGE COMPLIANCE EU	Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
STAND BY POWER LTP	4		4		4		4		4		4	
PRIME POWER PRP	Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR	21		21		21		21		21		21	
TYPE	10,25 / 13,68		10,42 / 13,9		11,99 / 16,04		12,80 / 17,18		13,44 / 17,91		13,44 / 17,91	
POLES	OPEN		CANOPY		OPEN		CANOPY		OPEN		CANOPY	
VOLTAGE REGULATION SYSTEM	*		66		*		67		*		67	
ALTERNATOR PROTECTION	*		95		*		96		*		96	
CONSUMPTION	2200		2400		2200		2285		2200		2285	
FUEL CONSUMPTION at 75% / 100% of load	1000		1000		1000		920		1000		920	
VERSION	1743		1530		1743		1465		1743		1465	
NOISE EMISSION	1123		1440		909		1085		909		1150	
NOISE PRESSURE LEVEL at 7 mt	Metal		Plastic		Metal		Plastic		Metal		Plastic	
GUARANTEED SOUND POWER LEVEL	240		209		240		209		240		209	
DIMENSION AND WEIGHT	23,41		20,39		23,03		20,06		20,02		17,43	
LENGTH	18,75		16,33		17,86		15,55		18,75		16,33	
WIDTH	-		890		-		730		-		730	
HEIGHT	-		S		-		S		-		S	
WEIGHT (DRY)	S		S		S		S		S		S	
FUEL TANK MATERIAL	-		S		-		S		-		S	
FUEL TANK CAPACITY	-		0		-		0		-		0	
RUNNING TIME at 75% of load	0		√		0		√		0		√	
OPTIONALS **	0		√		0		√		0		√	
EFT - EXTENDED FUEL TANK (supplement)	6		7		6		7		6		7	
KPR - PREMIUM KIT	-		8		-		8		-		8	
EEG - ELECTRONIC ENGINE GOVERNOR	9		9		9		9		9		9	
KRT - RENTAL KIT	-		-		-		-		-		-	
STR - SITE TRAILER	-		0		-		0		-		0	
RTR - ROAD TRAILER	-		0		-		0		-		0	
RES - RESIDENTIAL SILENCER	0		√		0		√		0		√	
FEC - FLEXIBLE EXHAUST COMPENSATOR	0		√		0		√		0		√	
CONTROL PANEL AVAILABLE	MANUAL CONTROL PANEL		MCP		MANUAL CONTROL PANEL FULL OPTION		MPF		AUTOMATIC CONTROL PANEL		ACP	
MANUAL CONTROL PANEL	6		7		6		7		6		7	
MANUAL CONTROL PANEL FULL OPTION	-		8		-		8		-		8	
AUTOMATIC CONTROL PANEL	9		9		9		9		9		9	
MODULAR PARALLEL PANEL	10		-		-		10		-		-	

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GSW 95 - 115 DIESEL

GENERATING SET	GSW95P		GSW110I		GSW110P		GSW110V		GSW115P	
	THREE PHASE 400/230V**									
POWER SUPPLY	THREE PHASE		THREE PHASE		THREE PHASE		THREE PHASE		THREE PHASE	
THREE PHASE	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
STAND BY POWER LTP	73,9	92,4	88,7	110,9	91,7	114,7	90,4	113,0	92,8	116,0
PRIME POWER PRP	67,0	83,7	80,7	100,8	83,1	103,8	81,1	101,4	84,9	106,2
POWER SPECIFICATIONS	VOLTAGE		VOLTAGE		VOLTAGE		VOLTAGE		VOLTAGE	
VOLTAGE	400		400		400		400		400	
FREQUENCY	50		50		50		50		50	
POWER FACTOR	0,8		0,8		0,8		0,8		0,8	
ENGINE	BRAND		BRAND		BRAND		BRAND		BRAND	
BRAND	Perkins		FPT		Perkins		Volvo		Perkins	
MODEL	1104D-E44TAG1		NEF45TM2A		1104C-44TAG2		TAD531GE		1104D-E44TAG2	
FUEL	Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	4400		4500		4410		4760		4400	
SPEED	1500		1500		1500		1500		1500	
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	12		12		12		12		12	
ASPIRATION	Turbocharged		Turbocharged aftercooled		Turbocharged		Turbocharged intercooled		Turbocharged	
SPEED GOVERNOR	Electronic		Mechanical		Electronic		Mechanical		Electronic	
EMISSION STAGE COMPLIANCE EU	Stage IIIA		Stage II		Stage II		Stage II		Stage IIIA	
STAND BY POWER LTP	84,2		98,0		103,0		102,0		105,0	
PRIME POWER PRP	76,6		89,3		93,6		92,0		95,5	
ALTERNATOR	TYPE		TYPE		TYPE		TYPE		TYPE	
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% / 100% of load		FUEL CONSUMPTION at 75% / 100% of load		FUEL CONSUMPTION at 75% / 100% of load		FUEL CONSUMPTION at 75% / 100% of load		FUEL CONSUMPTION at 75% / 100% of load	
FUEL CONSUMPTION at 75% / 100% of load	16,88 / 20,40		16,28 / 22,08		18,02 / 22,60		18,03 / 23,99		17,03 / 24,73	
VERSION	OPEN		CANOPY		OPEN		CANOPY		OPEN	
OPEN	*		*		*		*		*	
CANOPY	67		67		67		68		67	
NOISE EMISSION	GUARANTEED SOUND POWER LEVEL		GUARANTEED SOUND POWER LEVEL		GUARANTEED SOUND POWER LEVEL		GUARANTEED SOUND POWER LEVEL		GUARANTEED SOUND POWER LEVEL	
GUARANTEED SOUND POWER LEVEL	96		96		96		97		96	
DIMENSION AND WEIGHT	LENGTH		LENGTH		LENGTH		LENGTH		LENGTH	
LENGTH	2200		2400		2200		3000		2200	
WIDTH	1000		1000		1000		1150		1000	
HEIGHT	1743		1685		1743		1760		1743	
WEIGHT (DRY)	1377		1490		1310		1684		1170	
FUEL TANK MATERIAL	Metal		Plastic		Metal		Plastic		Metal	
FUEL TANK CAPACITY	240		209		240		350		240	
RUNNING TIME at 75% of load	14,22		12,38		14,74		21,5		13,32	
13,32	11,60		13,31		19,41		14,09		12,27	
OPTIONS **	EFT - EXTENDED FUEL TANK (supplement)		EFT - EXTENDED FUEL TANK (supplement)		EFT - EXTENDED FUEL TANK (supplement)		EFT - EXTENDED FUEL TANK (supplement)		EFT - EXTENDED FUEL TANK (supplement)	
EFT - EXTENDED FUEL TANK (supplement)	-		890		-		1750		-	
KPR - PREMIUM KIT	-		S		-		S		-	
EEG - ELECTRONIC ENGINE GOVERNOR	√		√		S		S		√	
KRT - RENTAL KIT	-		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		MANUAL CONTROL PANEL		MANUAL CONTROL PANEL		MANUAL CONTROL PANEL		MANUAL CONTROL PANEL	
MANUAL CONTROL PANEL	MCP		MCP		MCP		MCP		MCP	
MANUAL CONTROL PANEL FULL OPTION	-		8		-		8		-	
AUTOMATIC CONTROL PANEL	9		9		9		9		9	
MODULAR PARALLEL PANEL	10		10		10		10		10	

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GSW 145 - 165 DIESEL

GENERATING SET		THREE PHASE											
		GSW145I		GSW145V		GSW150P		GSW150V		GSW165P		GSW165V	
		THREE PHASE 400/230V**											
		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
POWER SUPPLY													
THREE PHASE													
STAND BY POWER LTP		112,4	140,5	118,0	147,5	118,4	148,0	116,1	145,2	131,2	164,0	131,2	164,0
PRIME POWER PRP		102,0	127,7	105,9	132,4	110,3	137,8	104,1	130,1	122,1	152,6	123,0	153,8
POWER SPECIFICATIONS													
VOLTAGE	Volt	400		400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50		50	
POWER FACTOR	cos φ	0,8		0,8		0,8		0,8		0,8		0,8	
ENGINE													
BRAND		FPT		Volvo		Perkins		Volvo		Perkins		Volvo	
MODEL		NEF675M1A		TAD750GE		1106A-70TG1		TAD532GE		1106A-70TAG2		TAD751GE	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	6700		7150		7000		4760		7000		7150	
SPEED	rpm	1500		1500		1500		1500		1500		1500	
CYLINDER		6 in line		6 in line		6 in line		4 in line		6 in line		6 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		24		12		12		12		24	
ASPIRATION		Turbocharged		Turbocharged intercooled		Turbocharged		Turbocharged intercooled		Turbocharged		Turbocharged intercooled	
SPEED GOVERNOR		Mechanical		Electronic		Mechanical		Electronic		Mechanical		Electronic	
EMISSION STAGE COMPLIANCE EU		Stage II		Stage IIIA		Non Emission Certified		Stage II		Non Emission Certified		Stage IIIA	
STAND BY POWER LTP	kW	125,0		132,0		136,9		129,0		203,3		150,0	
PRIME POWER PRP	kW	114,0		119,0		123,7		116,0		199,7		137,0	
ALTERNATOR													
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21		21		21		21	
CONSUMPTION													
FUEL CONSUMPTION at 75% / 100% of load	L/h	21,54 / 28,24		25,51 / 31,02		22,72 / 29,89		21,89 / 29,55		24,47 / 32,92		29,13 / 35,23	
VERSION													
NOISE EMISSION													
NOISE PRESSURE LEVEL at 7 mt	db(A)	*	68	*	68	*	68	*	68	*	68	*	68
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*	97	*	97	*	97	*	97	*	97	*	97
DIMENSION AND WEIGHT													
LENGTH	mm	2600	3400	2600	3400	2600	3000	2200	3000	2600	3000	2600	3400
WIDTH	mm	1000	1250	1000	1250	1000	1150	1000	1150	1000	1150	1000	1250
HEIGHT	mm	1743	1770	1743	1770	1743	1760	1743	1760	1743	1760	1743	1760
WEIGHT (DRY)	kg	1441	1995	1776	2204	1417	2080	1491	1720	1451	2038	1796	2224
FUEL TANK MATERIAL		Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic
FUEL TANK CAPACITY	L	240	350	240	350	240	350	240	350	240	350	240	350
RUNNING TIME at 75% of load	h	11,14	16,25	9,41	13,72	10,56	15,40	10,96	15,99	9,81	14,30	8,24	12,02
OPTIONALS **													
EFT - EXTENDED FUEL TANK (supplement)	L	-	1750	-	1750	-	1750	-	1750	-	1750	-	1750
KPR - PREMIUM KIT		-	S	-	S	-	S	-	S	-	S	-	S
EEG - ELECTRONIC ENGINE GOVERNOR		S	S	√	√	S	S	√	√	S	S	√	√
KRT - RENTAL KIT		-	S	-	S	-	S	-	S	-	S	-	S
STR - SITE TRAILER		-	0	-	0	-	0	-	0	-	0	-	0
RTR - ROAD TRAILER		-	0	-	0	-	0	-	0	-	0	-	0
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE													
MANUAL CONTROL PANEL	MCP	6	7	-	-	6	7	6	7	6	7	-	-
MANUAL CONTROL PANEL FULL OPTION	MPF	-	8	-	-	-	8	-	8	-	8	-	-
AUTOMATIC CONTROL PANEL	ACP	9		9		9		9		9		9	
MODULAR PARALLEL PANEL	MPP	10		10		10		10		10		10	

S = Supplement (version available when ordered); for equipment and descriptions see page 77 - 0 = Accessory; for equipment and descriptions see page 77 - ● = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 76 - √ standard - - = not available - * Open version only for stationary applications - **= Other configurations and detailed specifications are available on www.pramac.com







GSW 170 - 225 DIESEL

GENERATING SET		GSW170V		GSW170I		GSW200V		GSW200P		GSW220P		GSW220V		GSW220I		GSW225V	
POWER SUPPLY		THREE PHASE 400/230V**															
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
STAND BY POWER LTP		131,2	164,0	131,2	164,0	156,8	196,0	162,4	203,0	176,0	220,0	176,0	220,0	176,0	220,0	176,0	220,0
PRIME POWER PRP		124,0	154,9	126,4	158,0	143,2	179,0	146,2	182,7	161,2	201,5	162,1	202,7	162,2	202,8	160,4	200,5
POWER SPECIFICATIONS																	
VOLTAGE	Volt	400		400		400		400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50		50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8		0,8		0,8		0,8		0,8		0,8	
ENGINE																	
BRAND		Volvo		FPT		Volvo		Perkins		Perkins		Volvo		FPT		Volvo	
MODEL		TAD731GE		NEF67TM3A		TAD752GE		1106A-70TAG3		1106A-70TAG4		TAD733GE		NEF67TE2A		TAD753GE	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	7150		6700		7150		7000		7000		7150		6700		7150	
SPEED	rpm	1500		1500		1500		1500		1500		1500		1500		1500	
CYLINDER		6 in line		6 in line		6 in line		6 in line		6 in line		6 in line		6 in line		6 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		24		12		12		12		12		24	
ASPIRATION		Turbocharged intercooled		Turbocharged aftercooled		Turbocharged intercooled		Turbocharged		Turbocharged		Turbocharged intercooled		Turbocharged aftercooled		Turbocharged intercooled	
SPEED GOVERNOR		Mechanical		Mechanical		Electronic		Mechanical		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Stage II		Stage II		Stage IIIA		Non Emission Certified		Non Emission Certified		Stage II		Stage II		Stage IIIA	
STAND BY POWER LTP	kW	153,0		157,0		184,0		180,2		196,3		201,0		198,0		202,0	
PRIME POWER PRP	kW	138,0		142,7		166,0		162,7		178,9		181,0		180,0		184,0	
ALTERNATOR																	
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21		21		21		21		21		21	
CONSUMPTION																	
FUEL CONSUMPTION at 75% / 100% of load	L/h	26,85 / 35,32		27,08 / 35,61		32,66 / 40,51		30,90 / 40,09		34,59 / 45,37		34,90 / 46,54		33,51 / 44,03		35,62 / 44,90	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
NOISE EMISSION																	
NOISE PRESSURE LEVEL at 7 mt	db(A)	*	68	*	67	*	65	*	68	*	68	*	65	*	68	*	65
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*	97	*	96	*	94	*	97	*	97	*	94	*	97	*	94
DIMENSION AND WEIGHT																	
LENGTH	mm	2600	3400	2600	3400	2650	3400	2600	3400	2600	3400	2650	3400	2600	3400	2650	3400
WIDTH	mm	1000	1250	1000	1250	1180	1250	1000	1250	1000	1250	1180	1250	1000	1250	1180	1250
HEIGHT	mm	1743	1770	1743	1770	1965	1980	1743	1770	1743	1980	1965	1980	1743	1770	1965	1980
WEIGHT (DRY)	kg	1796	2224	1505	2057	1796	2224	1980	2088	2030	2138	2238	2540	1590	2145	2112	2540
FUEL TANK MATERIAL		Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic
FUEL TANK CAPACITY	L	240	350	240	350	400	350	240	350	240	350	400	350	240	350	400	350
RUNNING TIME at 75% of load	h	8,94	13,04	8,86	12,92	12,25	10,72	7,77	11,33	6,94	10,12	11,46	10,03	7,16	10,44	11,23	9,83
OPTIONALS **																	
EFT - EXTENDED FUEL TANK (supplement)	L	-	1750	-	1750	-	1750	-	1750	-	1750	-	1750	-	1750	-	1750
KPR - PREMIUM KIT		-	S	-	S	-	S	-	S	-	S	-	S	-	S	-	S
EEG - ELECTRONIC ENGINE GOVERNOR		S	S	S	S	√	√	S	S	√	√	√	√	√	√	√	√
KRT - RENTAL KIT		-	S	-	S	-	S	-	S	-	S	-	S	-	S	-	S
STR - SITE TRAILER		-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0
RTR - ROAD TRAILER		-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE																	
MANUAL CONTROL PANEL	MCP	6	7	6	7	-	-	6	7	6	7	6	7	6	7	-	-
MANUAL CONTROL PANEL FULL OPTION	MPF	-	8	-	8	-	-	-	8	-	8	-	8	-	8	-	-
AUTOMATIC CONTROL PANEL	ACP	9		9		9		9		9		9		9		9	
MODULAR PARALLEL PANEL	MPP	10		10		10		10		10		10		10		10	

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ELECTRICAL EQUIPMENT

GSW SERIES 10 - 225

CONTROL PANELS Type	MCP 5 Manual Control Panel	MCP 6 Manual control panel	MCP 7 Manual control panel	MPF 8 Manual Panel Full option	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	S	S	√	√
PARALLEL RUNNING	-	-	-	-	-	√
COMMAND						
OPERATION MODES	OFF Manual Key Start	OFF Manual Key Start	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	Analogue	Analogue	Digital control unit	Digital control unit
GENSET VOLTAGE	1 phase sensing	1 phases sensing	1 phase sensing	3 phases sensing	3 phases sensing	3 phases sensing
GENSET CURRENT INTENSITY	1 phase sensing	1 phases sensing	1 phase sensing	3 phases sensing	3 phases sensing	3 phases sensing
FREQUENCY METER	-	-	-	√	√	√
HOUR METER	√	√	√	√	√	√
FUEL LEVEL	-	-	-	√	√	√
OIL PRESSURE	-	-	-	√	√	√
ENGINE TEMPERATURE	-	-	-	√	√	√
GENERATING SET POWER	-	-	-	-	kVA - kW - kVA _r - Cos φ	kVA - kW - kVA _r - 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	III Poles	III Poles	IV Poles (motorized)
UNDER/OVER VOLTAGE	-	-	-	-	√	√
UNDER/OVER FREQUENCY	-	-	-	-	√	√
REVERSE POWER	-	-	-	-	√	√
OUTPUT**						
ETB - EXTERNAL TERMINAL BOARD	S	-	S	√	S	√
SKB - SOCKET KIT B:	S	-	S	√	S	-
STANDARD SOCKETS FOR CANOPY MODELS:	10 - 22:	30 - 50:	-	10 - 225:	S	-
400V CEE 5P 63A	-	1	-	1	-	-
400V CEE 5P 32A	1	1	-	1	(standard sockets for models: GS10-22 n.1 400V 5P 32A GS30-50 n.1 400V 5P 63A)	-
400V CEE 3P 16A	1	-	-	1	-	-
230V CEE 3P 16A	2	2	-	1	-	-
230V SCHUKO 16A	1	1	-	1	-	-
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	S	S	√
ADI - EARTH FAULT PROTECTION RELAY	√	√	√	√	S	S
RSS - REMOTE START & STOP	S	S	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 - 225

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



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



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

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



CONTROL PANEL SUPPLEMENTS

Control panel can be upgraded with several supplements to meet customer needs, power bus bar for easy power cables connection and/or output power sockets



KRT - RENTAL KIT

To have a genset closer to the rental business with some additional features such as: fuel filter with water separator, 3-way fuel valve, battery switch, earth rod



RCG - REMOTE CONTROL

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





SW 330
PowerEngineering

GSW 275-830



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



Moving and rotating parts protections against accidental contacts



Lube oil drain pump



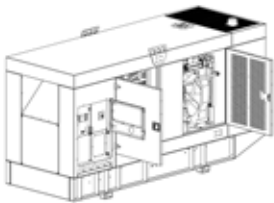
Integrated plastic fuel tank



Base frame provided with feet for easy handling



CANOPY



High quality canopy design



Roof mounted lifting plates



Lockable door handles



Opening for fuel pipes



GSW 275 - 310 DIESEL

GENERATING SET		GSW275V		GSW275DO		GSW280V		GSW310DO		GSW310M	
POWER SUPPLY		THREE PHASE 400/230V**									
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
STAND BY POWER LTP		220	275	220	275	220	275	248	310	248	309
PRIME POWER PRP		201	251	211	264	203	253	219	274	224	280
POWER SPECIFICATIONS											
VOLTAGE	Volt	400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8		0,8		0,8	
ENGINE											
BRAND		Volvo		Doosan		Volvo		Doosan		MTU	
MODEL		TAD734GE		P126TI		TAD754GE		P126TI		6R1600G10F	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	7150		11051		7150		11051		10500	
SPEED	rpm	1500		1500		1500		1500		1500	
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	Volt	24		24		24		24		24	
ASPIRATION		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled	
SPEED GOVERNOR		Electronic		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Stage II		Stage II		Stage IIIA		Stage II		Stage IIIA	
STAND BY POWER LTP	kW	250,0		272,0		250,0		272,0		274,0	
PRIME POWER PRP	kW	227,0		241,0		228,0		241,0		249,0	
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% / 100% of load	L/h	44,6 / 55,13		42,46 / 56,2		46,4 / 57,0		43,88 / 58,1		44,69 / 58,1	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
NOISE EMISSION											
NOISE PRESSURE LEVEL at 7 mt	db(A)	*	68	*	68	*	68	*	68	*	68
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*	97	*	97	*	97	*	97	*	97
DIMENSION AND WEIGHT											
LENGTH	mm	3300	3951	3300	3951	3300	3951	3300	3951	3300	3951
WIDTH	mm	1400	1438	1400	1438	1400	1438	1400	1438	1400	1460
HEIGHT	mm	1844	2085	1887	2085	1844	2085	1887	2085	2100	2175
WEIGHT (DRY)	kg	2177	2990	2210	3006	2177	2990	2580	3105	2920	3740
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	L	636		636		636		636		636	
RUNNING TIME at 75% of load	h	14,26		14,98		13,71		14,49		14,23	
OPTIONALS **											
EFT - EXTENDED FUEL TANK (supplement)	L	2330		2330		2330		2330		2330	
LTP - LEAK PROOF TRAY		S		S		S		S		S	
KRT - RENTAL KIT		-	S	-	S	-	S	-	S	-	S
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE											
AUTOMATIC CONTROL PANEL	ACP	①		①		①		①		①	
MODULAR PARALLEL PANEL	MPP	②		②		②		②		②	

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GSW 330 - 370 DIESEL

GENERATING SET	GSW330D0		GSW330M		GSW330V		GSW360V		GSW370V	
	THREE PHASE 400/230V**									
POWER SUPPLY	kW		kVA		kW		kVA		kW	
THREE PHASE	264	330	264	330	264	330	286	358	296	370
STAND BY POWER LTP	242	302	248	309	252	315	261	326	283	354
PRIME POWER PRP										
POWER SPECIFICATIONS										
VOLTAGE	400		400		400		400		400	
FREQUENCY	50		50		50		50		50	
POWER FACTOR	0,8		0,8		0,8		0,8		0,8	
ENGINE										
BRAND	Doosan		MTU		Volvo		Volvo		Volvo	
MODEL	P126TI-II		6R1600G20F		TAD1342GE		TAD1351GE		TAD1342GE	
FUEL	Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	11051		10500		12780		12780		12780	
SPEED	1500		1500		1500		1500		1500	
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	24		24		24		24		24	
ASPIRATION	Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled	
SPEED GOVERNOR	Electronic		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU	Non Emission Certified		Stage IIIA		Stage II		Stage IIIA		Stage II	
STAND BY POWER LTP	294,0		301,0		343,0		313,0		343,0	
PRIME POWER PRP	265,0		274,0		313,0		286,0		313,0	
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% / 100% of load	47,26 / 63,09		48,62 / 63,61		48,49 / 63,43		52,41 / 68,09		54,4 / 71,17	
VERSION	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
NOISE EMISSION										
NOISE PRESSURE LEVEL at 7 mt	*	68	*	68	*	68	*	68	*	68
GUARANTEED SOUND POWER LEVEL	*	97	*	97	*	97	*	97	*	97
DIMENSION AND WEIGHT										
LENGTH	3300	3951	3300	3950	3300	3951	3300	3951	3300	3951
WIDTH	1400	1438	1400	1460	1460	1438	1460	1438	1460	1438
HEIGHT	1887	2085	2100	2175	1965	2085	1965	2085	1965	2085
WEIGHT (DRY)	2580	3105	2920	3740	3160	3671	3160	3671	3160	3671
FUEL TANK MATERIAL	Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	636		636		636		636		636	
RUNNING TIME at 75% of load	13,46		13,08		13,12		12,14		11,69	
OPTIONALS **										
EFT - EXTENDED FUEL TANK (supplement)	L		2330		2330		2330		2330	
LTP - LEAK PROOF TRAY	S		S		S		S		S	
KRT - RENTAL KIT	-	S	-	S	-	S	-	S	-	S
RES - RESIDENTIAL SILENCER	0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR	0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE										
AUTOMATIC CONTROL PANEL	ACP		11		11		11		11	
MODULAR PARALLEL PANEL	MPP		12		12		12		12	

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GSW 405 - 460 DIESEL

GENERATING SET		THREE PHASE 400/230V**													
		GSW405V		GSW405M		GSW415V		GSW420V		GSW440M		GSW455V		GSW460V	
		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
POWER SUPPLY															
THREE PHASE															
STAND BY POWER LTP		323	403	326	407	333	416	338	422	350	437	365	457	365	456
PRIME POWER PRP		294	367	295	369	304	380	307	383	326	407	333	416	332	415
POWER SPECIFICATIONS															
VOLTAGE	Volt	400		400		400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50		50		50	
POWER FACTOR	cos φ	0,8		0,8		0,8		0,8		0,8		0,8		0,8	
ENGINE															
BRAND		Volvo		MTU		Volvo		Volvo		MTU		Volvo		Volvo	
MODEL		TAD1352GE		8V1600G10F		TAD1343GE		TAD1354GE		8V1600G20F		TAD1355GE		TAD1344GE	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	12780		14000		12780		12780		14000		12780		12780	
SPEED	rpm	1500		1500		1500		1500		1500		1500		1500	
CYLINDER		6 in line		8 V		6 in line		6 in line		8 V		6 in line		6 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	24		24		24		24		24		24		24	
ASPIRATION		Turbocharged intercooled													
SPEED GOVERNOR		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Stage IIIA		Stage IIIA		Stage II		Stage IIIA		Stage IIIA		Stage IIIA		Stage II	
STAND BY POWER LTP	kW	356,0		358,0		366,0		372,0		394,0		404,0		399,0	
PRIME POWER PRP	kW	325,0		325,0		335,0		339,0		358,0		369,0		364,0	
ALTERNATOR															
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21		21		21		21		21	
CONSUMPTION															
FUEL CONSUMPTION at 75% / 100% of load	L/h	63,19 / 83,18		63,39 / 81,25		58,12 / 76,57		62,22 / 79,10		62,05 / 82,68		68,19 / 84,34		64,41 / 84,07	
VERSION															
		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
NOISE EMISSION															
NOISE PRESSURE LEVEL at 7 mt	db(A)	*	68	*	67	*	68	*	68	*	68	*	68	*	69
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*	97	*	97	*	97	*	97	*	98	*	97	*	98
DIMENSION AND WEIGHT															
LENGTH	mm	3300	3951	3300	4180	3300	3951	3300	3951	3300	4180	3300	3951	3300	3951
WIDTH	mm	1400	1438	1806	1800	1400	1438	1400	1438	1806	1800	1400	1438	1460	1438
HEIGHT	mm	1917	2085	2121	2160	1917	2085	1917	2085	2121	2160	1917	2085	1965	2085
WEIGHT (DRY)	kg	3041	3671	3514	4660	3050	3671	3070	3671	3514	4660	3120	3671	3370	3671
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	L	636		636		636		636		636		636		636	
RUNNING TIME at 75% of load	h	10,06		10,03		10,94		10,22		10,25		9,33		9,87	
OPTIONALS **															
EFT - EXTENDED FUEL TANK (supplement)	L	3270		4180		3270		3270		4180		3270		3270	
LTP - LEAK PROOF TRAY		S		S		S		S		S		S		S	
KRT - RENTAL KIT		-	S	-	S	-	S	-	S	-	S	-	S	-	S
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE															
AUTOMATIC CONTROL PANEL	ACP	⑪		⑪		⑪		⑪		⑪		⑪		⑪	
MODULAR PARALLEL PANEL	MPP	⑫		⑫		⑫		⑫		⑫		⑫		⑫	

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GSW 505 - 555 DIESEL

GENERATING SET	GSW505V		GSW510V		GSW510DO		GSW515M		GSW555V			
	THREE PHASE 400/230V**											
POWER SUPPLY	kW		kVA		kW		kVA		kW		kVA	
THREE PHASE	407		508		405		506		407		508	
STAND BY POWER LTP	407		508		405		506		407		508	
PRIME POWER PRP	369		461		364		455		368		460	
POWER SPECIFICATIONS	400		400		400		400		400		400	
VOLTAGE	50		50		50		50		50		50	
FREQUENCY	0,8		0,8		0,8		0,8		0,8		0,8	
POWER FACTOR	Volvo		Volvo		Doosan		MTU		Volvo			
ENGINE	TAD1650GE		TAD1345GE		DP158LC		10V1600G10F		TAD1651GE			
BRAND	Diesel		Diesel		Diesel		Diesel		Diesel			
MODEL	16120		12780		14618		17500		16120			
FUEL	1500		1500		1500		1500		1500			
DISPLACEMENT	6 in line		6 in line		8 V		10 V		6 in line			
CC	Water		Water		Water		Water		Water			
rpm	Electric		Electric		Electric		Electric		Electric			
CYLINDER	24		24		24		24		24			
COOLING SYSTEM	Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled			
STARTING SYSTEM	Electronic		Electronic		Electronic		Electronic		Electronic			
ELECTRIC CIRCUIT	Stage IIIA		Stage II		Non Emission Certified		Stage IIIA		Stage IIIA			
ASPIRATION	442,0		441,0		449,0		448,0		484,0			
SPEED GOVERNOR	402,0		398,0		408,0		407,0		441,0			
EMISSION STAGE COMPLIANCE EU	Brushless		Brushless		Brushless		Brushless		Brushless			
STAND BY POWER LTP	4		4		4		4		4			
PRIME POWER PRP	Electronic		Electronic		Electronic		Electronic		Electronic			
ALTERNATOR	21		21		21		21		21			
TYPE	73,54 / 96,67		70,38 / 92,87		76,53 / 103,46		78,85 / 109,50		81,45 / 105,0			
POLES	OPEN		CANOPY		OPEN		CANOPY		OPEN		CANOPY	
VOLTAGE REGULATION SYSTEM	*		75		*		69		*		75	
ALTERNATOR PROTECTION	*		105		*		98		*		105	
CONSUMPTION	3500		4400		3300		3951		3500		4400	
FUEL CONSUMPTION at 75% / 100% of load	1500		1560		1400		1438		1500		1560	
VERSION	2113		2250		1917		2085		1992		2270	
NOISE EMISSION	3180		4888		3180		4100		3650		4400	
NOISE PRESSURE LEVEL at 7 mt	Plastic		Plastic		Plastic		Plastic		Plastic		Plastic	
GUARANTEED SOUND POWER LEVEL	636		636		636		636		636		636	
DIMENSION AND WEIGHT	8,65		9,04		8,31		8,07		7,81			
LENGTH	4180		4180		4180		4620		4180			
WIDTH	S		S		S		S		S			
HEIGHT	-		S		-		S		-		S	
WEIGHT (DRY)	0		√		0		√		0		√	
FUEL TANK MATERIAL	0		√		0		√		0		√	
FUEL TANK CAPACITY	①		①		①		①		①		①	
RUNNING TIME at 75% of load	②		②		②		②		②		②	
OPTIONALS **	EFT - EXTENDED FUEL TANK (supplement)		LTP - LEAK PROOF TRAY		KRT - RENTAL KIT		RES - RESIDENTIAL SILENCER		FEC - FLEXIBLE EXHAUST COMPENSATOR			
CONTROL PANEL AVAILABLE	ACP		MPP									
AUTOMATIC CONTROL PANEL												
MODULAR PARALLEL PANEL												

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GSW 560 - 650 DIESEL

GENERATING SET		GSW560V	GSW570M	GSW580DO	GSW600V	GSW630DO	GSW650V						
POWER SUPPLY		THREE PHASE 400/230V**											
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
STAND BY POWER LTP		437	546	450	563	465	582	481	601	505	632	522	653
PRIME POWER PRP		404	505	408	510	422	528	454	567	458	573	474	593
POWER SPECIFICATIONS													
VOLTAGE	Volt	400		400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8		0,8		0,8		0,8	
ENGINE													
BRAND		Volvo		MTU		Doosan		Volvo		Doosan		Volvo	
MODEL		TAD1641GE		10V1600G20F		DP158LD		TAD1642GE		DP180LA		TAD1642GE	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	16120		17500		14618		16120		18273		16120	
SPEED	rpm	1500		1500		1500		1500		1500		1500	
CYLINDER		6 in line		10 V		8 V		6 in line		10 V		6 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	24		24		24		24		24		24	
ASPIRATION		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled	
SPEED GOVERNOR		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Stage II		Stage IIIA		Non Emission Certified		Stage II		Non Emission Certified		Stage II	
STAND BY POWER LTP	kW	484,0		493,0		510,0		565,0		552,0		565,0	
PRIME POWER PRP	kW	441,0		448,0		464,0		514,0		502,0		514,0	
ALTERNATOR													
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21		21		21		21	
CONSUMPTION													
FUEL CONSUMPTION at 75% / 100% of load	L/h	77,58 / 104,47		76,54 / 105,07		87,23 / 119,32		86,04 / 116,1		95,74 / 129,68		89,85 / 121,16	
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
NOISE EMISSION													
NOISE PRESSURE LEVEL at 7 mt	db(A)	*	75	*	75	*	75	*	75	*	0	*	75
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*	105	*	105	*	105	*	105	*	0	*	105
DIMENSION AND WEIGHT													
LENGTH	mm	3500	4400	3800	4700	3500	4400	3500	4400	3500	4400	3500	4400
WIDTH	mm	1500	1560	1670	1757	1500	1560	1500	1560	1500	1560	1500	1560
HEIGHT	mm	2120	2250	2320	2430	1992	2270	2120	2250	1972	2270	2120	2250
WEIGHT (DRY)	kg	3467	4495	4811	5520	3650	4560	3620	4888	4100	4900	3680	4945
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	L	636		636		636		636		636		636	
RUNNING TIME at 75% of load	h	8,2		8,31		7,29		7,39		6,64		7,08	
OPTIONALS **													
EFT - EXTENDED FUEL TANK (supplement)	L	4180		4620		3270		4180		3270		4180	
LTP - LEAK PROOF TRAY		S		S		S		S		S		S	
KRT - RENTAL KIT		-	S	-	S	-	S	-	S	-	S	-	S
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE													
AUTOMATIC CONTROL PANEL	ACP	11		11		11		11		11		11	
MODULAR PARALLEL PANEL	MPP	12		12		12		12		12		12	

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GSW 665 - 830 DIESEL

GENERATING SET		GSW665M	GSW705DO	GSW705V	GSW730M	GSW755DO	GSW830DO						
POWER SUPPLY		THREE PHASE 400/230V**											
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
STAND BY POWER LTP		527	659	562	703	562	703	582	727	608	760	665	831
PRIME POWER PRP		478	598	509	636	505	632	527	659	551	689	602	752
POWER SPECIFICATIONS													
VOLTAGE	Volt	400	400	400	400	400	400	400	400	400	400	400	400
FREQUENCY	Hz	50	50	50	50	50	50	50	50	50	50	50	50
POWER FACTOR	cos Φ	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
ENGINE													
BRAND		MTU	Doosan	Volvo	MTU	Doosan	Doosan						
MODEL		12V1600G10F	DP180LB	TWD1643GE	12V1600G20F	DP222LB	DP222LC						
FUEL		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel						
DISPLACEMENT	cc	21000	18273	16120	21000	21927	21927						
SPEED	rpm	1500	1500	1500	1500	1500	1500						
CYLINDER		12 V	10 V	6 in line	12 V	12 V	12 V						
COOLING SYSTEM		Water	Water	Water	Water	Water	Water						
STARTING SYSTEM		Electric	Electric	Electric	Electric	Electric	Electric						
ELECTRIC CIRCUIT	Volt	24	24	24	24	24	24						
ASPIRATION		Turbocharged intercooled	Turbocharged intercooled	Turbocharged intercooled	Turbocharged intercooled	Turbocharged intercooled	Turbocharged intercooled						
SPEED GOVERNOR		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic						
EMISSION STAGE COMPLIANCE EU		Stage IIIA	Non Emission Certified	Stage II	Stage IIIA	Non Emission Certified	Non Emission Certified						
STAND BY POWER LTP	kW	576,0	596,0	613,0	634,0	664,0	723,0						
PRIME POWER PRP	kW	524,0	540,0	553,0	576,0	604,0	657,0						
ALTERNATOR													
TYPE		Brushless	Brushless	Brushless	Brushless	Brushless	Brushless						
POLES		4	4	4	4	4	4						
VOLTAGE REGULATION SYSTEM		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic						
ALTERNATOR PROTECTION	IP	21	21	21	21	21	21						
CONSUMPTION													
FUEL CONSUMPTION at 75% / 100% of load	L/h	98,07 / 131,62	105,82 / 142,31	97,37 / 131,01	106,03 / 142,63	114,95 / 153,16	119,70 / 160,34						
VERSION		OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
NOISE EMISSION													
NOISE PRESSURE LEVEL at 7 mt	db(A)	* 75	NA 75	* 75	* 75	* 75	* 75	* 76	* 76	* 76	* 76	* 76	* 76
GUARANTEED SOUND POWER LEVEL	LWA db(A)	* 105	NA 105	* 105	* 105	* 105	* 105	* 106	* 106	* 106	* 106	* 106	* 106
DIMENSION AND WEIGHT													
LENGTH	mm	3811	4700	3500	4400	3800	4700	3811	4700	3800	4700	3800	4700
WIDTH	mm	1670	1757	1500	1500	1670	1757	1670	1757	1670	1757	1670	1757
HEIGHT	mm	2322	2430	1972	2270	2320	2510	2322	2430	2177	2510	2160	2510
WEIGHT (DRY)	kg	4994	5895	4100	4900	4590	5490	5200	6100	4800	5800	5000	6000
FUEL TANK MATERIAL		Plastic	Plastic	Plastic	Plastic	Plastic	Plastic						
FUEL TANK CAPACITY	L	636	636	636	636	636	636						
RUNNING TIME at 75% of load	h	6,49	6,01	6,53	6,0	5,53	5,31						
OPTIONALS **													
EFT - EXTENDED FUEL TANK (supplement)	L	4620	4180	4620	4620	4620	4620						
LTP - LEAK PROOF TRAY		S	S	S	S	S	S						
KRT - RENTAL KIT		- S	- S	- S	- S	- S	- S						
RES - RESIDENTIAL SILENCER		0 \checkmark	0 \checkmark	0 \checkmark	0 \checkmark	0 \checkmark	0 \checkmark						
FEC - FLEXIBLE EXHAUST COMPENSATOR		0 \checkmark	0 \checkmark	0 \checkmark	0 \checkmark	0 \checkmark	0 \checkmark						
CONTROL PANEL AVAILABLE													
AUTOMATIC CONTROL PANEL	ACP	11	11	11	11	11	11						
MODULAR PARALLEL PANEL	MPP	12	12	12	12	12	12						

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ELECTRICAL EQUIPMENT

GSW SERIES 275 - 830

CONTROL PANELS

Type

ACP ^① Automatic Control Panel



Control panels with controls, instrumentations and protections to meet multiple applications. Designed for dedicated metallic box assembled and integrated into the generator.

MPP ^② Modular Parallel Panel



OPERATIONAL TYPES

MANUAL START/STOP	✓	✓
AUTOMATIC MAIN FAILURE	✓ (with LTS)	✓ (with ATS)
AUTOMATIC START/STOP (remote)	✓	✓
PARALLEL RUNNING	-	✓

COMMAND

OPERATION MODES	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	Digital control unit	Digital control unit
GENSET VOLTAGE	3 phases sensing	3 phases sensing
GENSET CURRENT INTENSITY	3 phases sensing	3 phases sensing
FREQUENCY METER	✓	✓
HOUR METER	✓	✓
FUEL LEVEL	✓	✓
OIL PRESSURE	✓	✓
ENGINE TEMPERATURE	✓	✓
GENERATING SET POWER	kVA - kW - kVA _r - Cos Φ	kVA - kW - kVA _r - 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	IV Poles (motorized)
UNDER/OVER VOLTAGE	✓	✓
UNDER/OVER FREQUENCY	✓	✓
REVERSE POWER	✓	✓

OUTPUT**

ETB- EXTERNAL TERMINAL BOARD	✓	✓
TERMINALS CONNECTION FOR LTS PANEL	✓	-
PREDISPOSED FOR REMOTE CONTROL RCG	✓	✓
RS232 COMMUNICATION PORT	✓	✓
MULTI-PIN CONNECTORS FOR PARALLEL GE	-	✓
RSS - REMOTE START & STOP	✓	✓

OPTIONALS **

TIF - IV POLES CIRCUIT BREAKER	S	✓
ADI - EARTH FAULT PROTECTION RELAY	S	S
SKB/SKC - SOCKET KIT:	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