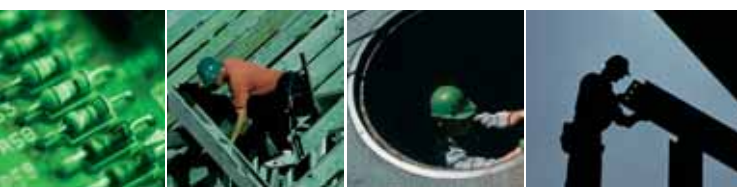




> PRODUCTS RANGE | ENGLISH



PRO **PWR**
heavy duty energy mate



Generators



Generators

The PRAMAC Group represents a solid industrial reality, from manufacturing to commercialization. Its strong international presence has been consolidated in the generators, material handling and photovoltaic markets, through an aggressive growth that has found place in the most varied and demanding markets.

In the generating area, PRAMAC brings into the market more than 1.300.000 kVA per year, divided in power range units from 1 to 3360 kVA, offering solutions for every kind of demand: energy where main supplies are not available and uninterrupted energy where it cannot fail, energy for those working and energy for entertaining.

At the same time, PRAMAC offers a full line of power tools, such as high pressure washers, welder generators, PTO generator, motorpumps and illuminating systems, presenting the highest performance and reliability.

PRAMAC has always dedicated resources and energy to the most demanding markets, as a true symbol of its experience built under one vision: to offer the best cost-benefit relationship, enhanced by a strong strategic relationship with first level components partners.



The strategic objective to exceed the expectations of the customer can only be reached if the products are of the highest possible quality. The PRAMAC Group has taken this on in its philosophy in production. The continual improvement in the company processes, formulated with absolute respect for the environment and the specialised training of its staff, forms part of the Total Safety and Quality programme that the company sets itself. There is a real Safety and Quality Culture inside the company, starting from respect for the environment and regard for the specific regulations. Concrete evidence of this commitment is the certifications that the company has obtained on both the European level and extra-European level.

PRODUCT RANGE

PORTABLE GENERATORS & POWER EQUIPMENT

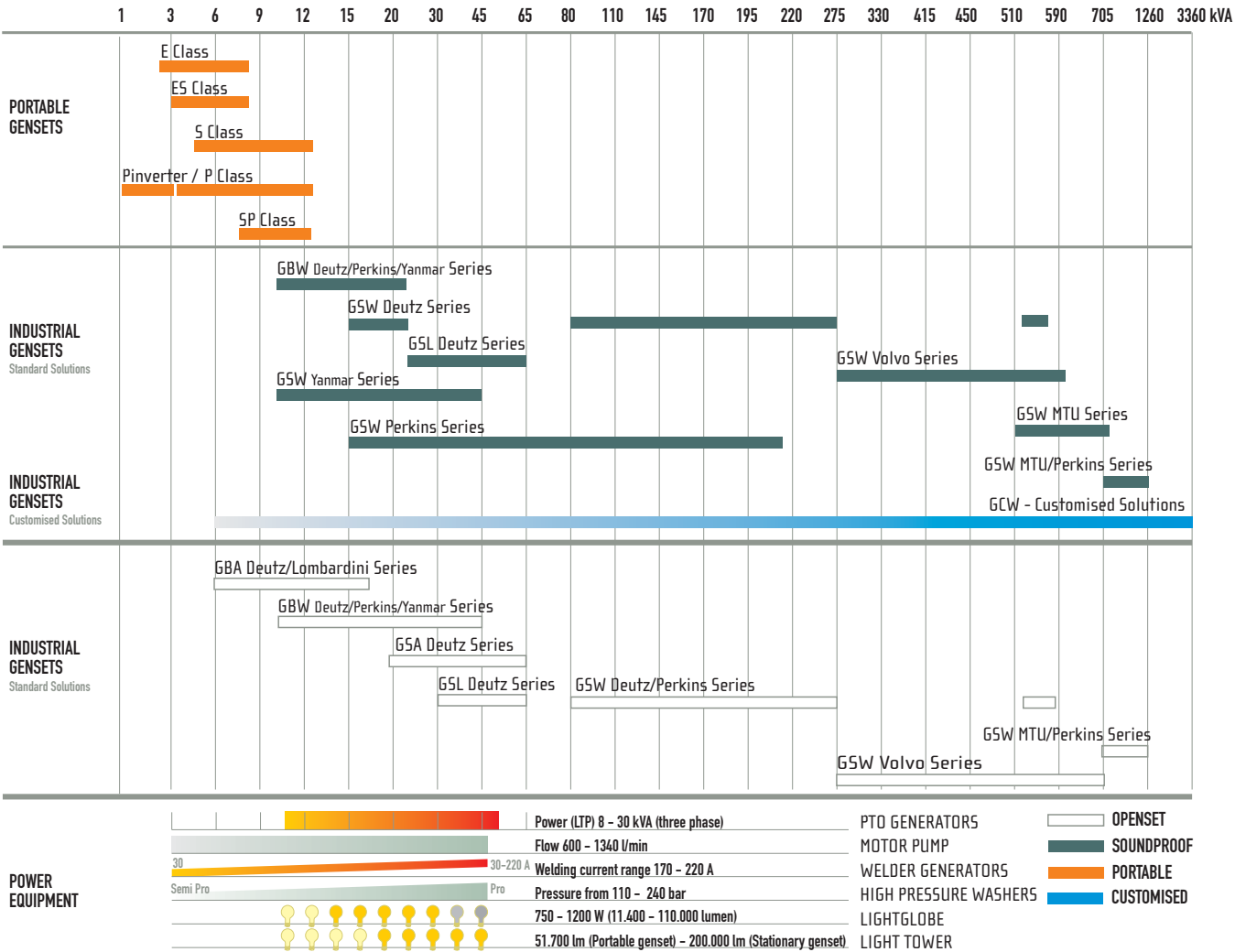
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E SERIES

ESSENTIAL ENERGY (I)

Simple professional generators; maximum reliability and performance, with a basic but efficient configuration.



GENERATING SET	E3200	E4000	E5000	E5000	E8000	E8000
	single phase	single phase	single phase	three phase	single phase	three phase
THREE PHASE						
(POWER LTP) kW/kVA				5,0/6,3		6,6/8,3
(POWER COP) kW/kVA				4,3/5,4		5,6/7,0
SINGLE PHASE						
(POWER LTP) kW/kVA	2,6/2,9	3,1/3,4	4,6/5,1	3,7/4,2	6,4/7,2	4,9/5,5
(POWER COP) kW/kVA	2,2/2,5	2,6/2,9	3,9/4,2	2,8/3,1	5,5/6,0	3,7/4,1
POWER SPECIFICATIONS						
VOLTAGE V	230	230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50	50
POWER FACTOR cosΦ	0,9	0,9	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE						
BRAND	Honda	Honda	Honda	Honda	Honda	Honda
MODEL	GX160	GX200	GX270	GX270	GX390	GX390
FUEL	petrol	petrol	petrol	petrol	petrol	petrol
DISPLACEMENT cc	163	196	270	270	389	389
SPEED rpm	3000	3000	3000	3000	3000	3000
CYLINDER	1 inc. angle	1 inc. angle	1 inc. angle	1 inc. angle	1 inc. angle	1 inc. angle
COOLING SYSTEM	Air	Air	Air	Air	Air	Air
STARTING SYSTEM	Recoil	Recoil	Recoil	Recoil	Recoil	Recoil
CONSUMPTION						
CONSUMPTION at 75% of load L/h	0,9	1,1	1,6	1,6	2,1	2,2
TANK CAPACITY L	3,6	3,6	6,0	6,0	6,5	6,5
RUNNING TIME at 75% of load h	3,9	3,2	3,7	3,7	3,0	3,0
NOISE EMISSION						
NOISE PRESSURE LEVEL at 7 m dB(A)	68	71	72	72	72	72
GUARANTEED SOUND POWER LEVEL LWA dB(A)	94	96	97	97	97	97
DIMENSIONS AND WEIGHT						
LENGTH mm	640	640	715	715	750	750
WIDTH mm	458	458	540	540	578	578
HEIGHT mm	400	400	490	490	531	531
WEIGHT (dry) Kg	38	36	61	74	72	75
SOCKET TYPE						
	2 x SCHUKO	2 x SCHUKO	2 x SCHUKO	1 x 230V 16A	1 x SCHUKO	1 x 230V 16A
				1 x 400V 16A	1 x 230V 32A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION						
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 54	IP 54	IP 44	IP 44	IP 44

POWERFUL
DIESEL
ENGINE



GENERATING SET	E4500	E4500	E6500	E6000
	single phase	three phase	single phase	three phase
THREE PHASE				
(POWER LTP) kW/kVA		3,7/4,7		5,5/6,9
(POWER COP) kW/kVA		3,2/4,0		4,5/5,7
SINGLE PHASE				
(POWER LTP) kW/kVA	3,5/3,9	2,8/3,1	5,3/5,9	4,1/4,6
(POWER COP) kW/kVA	3,0/3,3	2,0/2,3	4,4/4,8	3,2/3,5
POWER SPECIFICATIONS				
VOLTAGE V	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50
POWER FACTOR $\cos\Phi$	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE				
BRAND	Yanmar	Yanmar	Yanmar	Yanmar
MODEL	L70	L70	L100	L100
FUEL	diesel	diesel	diesel	diesel
DISPLACEMENT cc	296	296	406	406
SPEED rpm	3000	3000	3000	3000
CYLINDER	1 vertical	1 vertical	1 vertical	1 vertical
COOLING SYSTEM	Air	Air	Air	Air
STARTING SYSTEM	Recoil	Recoil	Recoil	Recoil
CONSUMPTION				
CONSUMPTION at 75% of load L/h	1,0	1,0	1,4	1,4
TANK CAPACITY L	3,5	3,5	5,5	5,5
RUNNING TIME at 75% of load h	3,5	3,5	4,0	4,0
NOISE EMISSION				
NOISE PRESSURE LEVEL at 7 m dB(A)	•	•	•	•
GUARANTEED SOUND POWER LEVEL LWA dB(A)	•	•	•	•
DIMENSIONS AND WEIGHT				
LENGTH mm	760	760	760	760
WIDTH mm	538	538	538	538
HEIGHT mm	560	560	560	560
WEIGHT (dry) Kg	54	70	100	96
SOCKET TYPE				
	2 x SCHUKO	1 x SCHUKO 1 x 400V 16A	1 x SCHUKO 1 x 230V 32A	1 x 230V 16A 1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION				
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 44	IP 44	IP 44

• For fixed installation only - for indoors use only - COP Continuous Power - LTP Maximum Power

ES SERIES LONG RUN ENERGY

A class of petrol generators designed specifically for intensive operations where performance power is demanded by professional users over an extended period of time.

UP TO
12 HOURS
AUTONOMY



Transportation kit

Cover



GENERATING SET	ES3000	ES4000	ES5000	ES5000	ES8000	ES8000
	single phase	single phase	single phase	three phase	single phase	three phase
THREE PHASE						
[POWER LTP] kW/kVA				5,0/6,3		6,6/8,3
[POWER COP] kW/kVA				4,3/5,4		5,6/7,0
SINGLE PHASE						
[POWER LTP] kW/kVA	2,6/2,9	3,1/3,4	4,6/5,1	3,7/4,2	6,4/7,2	4,9/5,5
[POWER COP] kW/kVA	2,2/2,5	2,6/2,9	3,9/4,2	2,8/3,1	5,5/6,0	3,7/4,1
POWER SPECIFICATIONS						
VOLTAGE Volt	230	230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50	50
POWER FACTOR cosφ	0,9	0,9	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE						
BRAND	Honda	Honda	Honda	Honda	Honda	Honda
MODEL	GX160	GX200	GX270	GX270	GX390	GX390
FUEL	petrol	petrol	petrol	petrol	petrol	petrol
DISPLACEMENT cc	163	196	270	270	389	389
SPEED (rpm)	3000	3000	3000	3000	3000	3000
CYLINDER	1 inclination angle	1 inclination angle	1 inclination angle	1 inclination angle	1 inclination angle	1 inclination angle
COOLING SYSTEM	Air	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Recoil	Recoil	Recoil	Recoil	Recoil	Recoil
CONSUMPTION						
FUEL CONSUMPTION at 75% of load L/h	0,9	1,1	1,6	1,6	2,2	2,1
FUEL TANK CAPACITY L	11	11	11	11	11	11
RUNNING TIME at 75% of load h	11,8	9,9	6,7	6,7	5,1	5,1
NOISE EMISSION						
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	95	97	97	97	97
NOISE PRESSURE LEVEL at 7 mt dB(A)	70	69	71	71	72	72
DIMENSIONS AND WEIGHT						
LENGTH mm	623	623	729	729	729	729
WIDTH mm	409	409	500	500	500	500
HEIGHT mm	500	500	536	536	536	536
WEIGHT (dry) Kg	41	43	61	75	73	81
SOCKET TYPE						
	2 x SCHUKO	2 x SCHUKO	1 x SCHUKO	1 x 230V 16A*	1 x SCHUKO	1 x 230V 16A*
			1 x 230V 16A	1 x 400V 16A	1 x 230V 32A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION						
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 54	IP 44	IP 44	IP 44	IP 44

* available also with SCHUKO configuration - COP Continuous Power - LTP Maximum Power

S SERIES

THE COMPLETE DIESEL PACKAGE

Showing the excellence of PRAMAC's professional equipment, this range offers a robust package with a modern and economical diesel engine.



GENERATING SET	S4500	S6500	S6000	S9000	S9000
	single phase	single phase	three phase	single phase	three phase
THREE PHASE					
(POWER LTP) kW/kVA			5,5/6,9		8,2/10,3
(POWER COP) kW/kVA			4,5/5,6		7,0/8,8
SINGLE PHASE					
(POWER LTP) kW/kVA	3,7/4,1	5,3/5,9	4,1/4,5	7,9/8,8	6,1/6,8
(POWER COP) kW/kVA	3,1/3,5	4,4/4,8	3,0/3,3	6,8/7,6	4,7/5,2
POWER SPECIFICATIONS					
VOLTAGE Volt	230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50
POWER FACTOR cosφ	0,9	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE					
BRAND	Yanmar	Yanmar	Yanmar	Lombardini	Lombardini
MODEL	L70	L100	L100	25LD330	25LD330
FUEL	diesel	diesel	diesel	diesel	diesel
DISPLACEMENT cc	296	406	406	654	654
SPEED (rpm)	3000	3000	3000	3000	3000
CYLINDER	1 vertical	1 vertical	1 vertical	2 in line	2 in line
COOLING SYSTEM	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric	Electric	Electric	Electric	Electric
CONSUMPTION					
FUEL CONSUMPTION at 75% of load L/h	1,0	1,4	1,4	2,0	2,0
FUEL TANK CAPACITY L	3,5	5,5	5,5	24,0	24,0
RUNNING TIME at 75% of load h	3,5	4,0	4,0	12,0	12,0
NOISE EMISSION					
GUARANTEED SOUND POWER LEVEL LWA dB(A)	•	•	•	•	•
NOISE PRESSURE LEVEL at 7 mt dB(A)	•	•	•	•	•
DIMENSIONS AND WEIGHT					
LENGTH mm	810	830	830	970	970
WIDTH mm	450	490	490	600	600
HEIGHT mm	500	570	570	690	690
WEIGHT (dry) Kg	81	99	108	148	148
SOCKET TYPE					
	1 x SCHUKO	1 x SCHUKO	2 x SCHUKO	1 x SCHUKO	1 x SCHUKO
	1 x 230V 16A	1 x 230V 16A	1 x 230V 16A	1 x 230V 32A	1 x 400V 16A
	1 x 230V 32A	1 x 230V 32A	1 x 400V 16A		
ALTERNATOR AND SOCKET PROTECTION					
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44

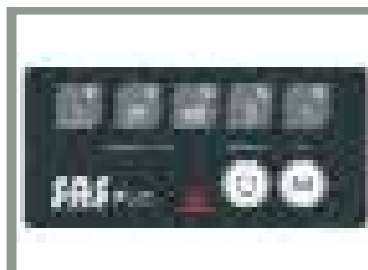
• For fixed installation only - for indoors use only - COP Continuous Power - LTP Maximum Power

S SERIES

THE COMPLETE PACKAGE

All the features of a top class generator: a powerful and economical engine, a strong and modern design and a long-run easy filling fuel tank.

NOISE
at 7m
70 dB(A)



SAS Sensitive Auto Start



Automatic mains failure



GENERATING SET	S3200	S5000	S5000	S8000	S8000	S12000	S12000
	single phase	single phase	three phase	single phase	three phase	single phase	three phase
(POWER LTP) kW/kVA			5,0/6,3		6,6/8,3		11,1/13,9
(POWER COP) kW/kVA			4,3/5,4		5,6/7,0		9,5/11,8
SINGLE PHASE							
(POWER LTP) kW/kVA	2,5/2,8	4,8/5,3	3,7/4,2	6,4/7,2	4,9/5,5	10,7/11,9	8,3/9,2
(POWER COP) kW/kVA	2,2/2,4	4,0/4,1	2,8/3,1	5,5/6,0	3,7/4,1	9,1/10,0	6,3/6,9
POWER SPECIFICATIONS							
VOLTAGE Volt	230	230	400/230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50	50	50
POWER FACTOR cosφ	0,9	0,9	0,8/0,9	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE							
BRAND	Honda	Honda	Honda	Honda	Honda	Honda	Honda
MODEL	GX160	GX270	GX270	GX390	GX390	GX620	GX620
FUEL	petrol	petrol	petrol	petrol	petrol	petrol	petrol
DISPLACEMENT cc	163	270	270	389	389	614	614
SPEED (rpm)	3000	3000	3000	3000	3000	3000	3000
CYLINDER	1 inclination angle	1 inclination angle	1 inclination angle	1 inclination angle	1 inclination angle	2 - V	2 - V
COOLING SYSTEM	Air	Air	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Recoil	Electric/Recoil	Electric/Recoil	Electric/Recoil	Electric/Recoil	Electric	Electric
CONSUMPTION							
FUEL CONSUMPTION at 75% of load L/h	0,9	1,6	1,6	2,2	2,1	3,5	3,5
FUEL TANK CAPACITY L	11	18	18	18	18	24	24
RUNNING TIME at 75% of load h	11,8	11,0	11,0	8,4	8,4	6,9	6,9
NOISE EMISSION							
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	97	97	97	97	96	96
NOISE PRESSURE LEVEL at 7 mt dB(A)	70	71	71	72	72	70	70
DIMENSIONS AND WEIGHT							
LENGTH mm	623	842	842	842	842	960	960
WIDTH mm	409	523	523	523	523	641	641
HEIGHT mm	500	557	557	557	557	667	667
WEIGHT (dry)** Kg	42	76	88	96	99	162	165
SOCKET TYPE							
	2 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO
		1 x 230V 32A	1 x 400V 16A	1 x 230V 32A	1 x 400V 16A	1 x 230V 16A	2 x 230V 16A
						1 x 230V 32A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION							
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44

** On electric version +3/8 Kg to add - COP Continuous Power - LTP Maximum Power

SP SERIES

THE COMPLETE PROTECTION

A premium range with insulation monitoring and Automatic Voltage Regulator as standard.
All panels and alternators featuring IP 54 protection.



IP 54 isometer panel



Lifting kit



GENERATING SET	SP8000	SP12000
	three phase	three phase
THREE PHASE		
(POWER LTP) kW/kVA	7,1/8,8	11,1/13,8
(POWER COP) kW/kVA	5,4/6,8	9,4/11,8
SINGLE PHASE		
(POWER LTP) kW/kVA	5,2/5,8	7,3/9,1
(POWER COP) kW/kVA	3,6/4,0	6,2/7,0
POWER SPECIFICATIONS		
VOLTAGE Volt	400/230	400/230
FREQUENCY Hz	50	50
POWER FACTOR cosφ	0,8/0,9	0,8/0,9
ENGINE		
BRAND	Honda	Honda
MODEL	GX390	GX620
FUEL	petrol	petrol
DISPLACEMENT cc	389	614
SPEED (rpm)	3000	3000
CYLINDER	1 inclination angle	2 - V
COOLING SYSTEM	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric/Recoil	Electric
CONSUMPTION		
FUEL CONSUMPTION at 75% of load L/h	1,9	3,5
FUEL TANK CAPACITY L	18	24
RUNNING TIME at 75% of load h	9,3	6,9
NOISE EMISSION		
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	96
NOISE PRESSURE LEVEL at 7 m dB(A)	72	70
DIMENSIONS AND WEIGHT		
LENGTH mm	842	960
WIDTH mm	523	641
HEIGHT mm	557	667
WEIGHT (dry)** Kg	113	170
SOCKET TYPE		
	1 x 230V 16A	3 x SCHUKO
	1 x 400V 16A	1 x 400V 16A
		1 x 400V 32A
ALTERNATOR AND SOCKET PROTECTION		
ELECTRIC PROTECTION	IP 54	IP 54
SOCKET PROTECTION	IP 54	IP 54

** On electric version +3/8 Kg to add - COP Continuous Power - LTP Maximum Power

P SERIES

THE SILENT POWER (I)

The ideal generator for use in residential areas or outside normal working hours. These generators are equipped with first class components and complete instrumentation.

SUPER
SILENCED
58 dB(A)
at 7 m



P4500

P6000, P9000 Petrol



GENERATING SET	P4500	P6000	P6000	P6000s	P6000s	P9000	P9000
	single phase	single phase	three phase	single phase	three phase	single phase	three phase
THREE PHASE							
(POWER LTP) kW/kVA			5,5/6,9		5,5/6,9		8,2/10,3
(POWER COP) kW/kVA			4,5/5,6		4,5/5,6		7,0/8,8
SINGLE PHASE							
(POWER LTP) kW/kVA	3,7/4,1	5,3/5,9	4,1/4,5	5,4/5,9	4,1/4,5	7,9/8,8	6,1/6,8
(POWER COP) kW/kVA	3,1/3,5	4,3/4,8	3,0/3,3	4,4/4,9	3,0/3,3	6,8/7,6	4,7/5,2
POWER SPECIFICATIONS							
VOLTAGE Volt	230	230	400/230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50	50	50
POWER FACTOR cosφ	0,9	0,9	0,8/0,9	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE							
BRAND	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Lombardini	Lombardini
MODEL	L70	L100	L100	L100	L100	25LD330	25LD330
FUEL	diesel	diesel	diesel	diesel	diesel	diesel	diesel
DISPLACEMENT cc	296	406	406	406	406	654	654
SPEED (rpm)	3000	3000	3000	3000	3000	3000	3000
CYLINDER	1 vertical	1 vertical	1 vertical	1 vertical	1 vertical	2 in line	2 in line
COOLING SYSTEM	Air	Air	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric/Recoil	Electric	Electric	Electric	Electric	Electric	Electric
CONSUMPTION							
FUEL CONSUMPTION at 75% of load L/h	1,0	1,4	1,4	1,4	1,4	2,0	2,0
FUEL TANK CAPACITY L	18	24	24	19	19	24	24
RUNNING TIME at 75% of load h	18,0	17,1	17,1	13,6	13,6	12,0	12,0
NOISE EMISSION							
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	97	97	84	84	97	97
NOISE PRESSURE LEVEL at 7 m dB(A)	71	72	72	58	58	72	72
DIMENSIONS AND WEIGHT							
LENGTH mm	800	930	930	970	970	930	930
WIDTH mm	520	555	555	580	580	555	555
HEIGHT mm	660	800	800	927	927	800	800
WEIGHT (dry)** Kg	103	149	153	203	203	190	193
SOCKET TYPE							
	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO
	1 x 230V 16A	1 x 230V 16A	2 x 230V 16A	1 x 230V 16A	1 x 230V 16A	1 x 230V 16A	2 x 230V 16A
	1 x 230V 32A	1 x 230V 32A	1 x 400V 16A	1 x 230V 32A	1 x 400V 16A	1 x 230V 32A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION							
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44

** On electric version +3/8 Kg to add - COP Continuous Power - LTP Maximum Power

P SERIES

THE SILENT POWER (II)

Low noise level, AMF or RSS features and powerful, reliable diesel engines. These generators are ideal for domestic backup power supply or professional use in residential areas.



P11000



P12000 diesel



GENERATING SET	P11000 single phase	P11000 three phase	P12000 single phase	P12000 three phase	P12000 three phase
THREE PHASE					
(POWER LTP) kW/kVA		8,5/10,6		12,6/15,8	11,1/13,9
(POWER COP) kW/kVA		8,0/10,0		8,8/11,0	9,5/11,8
SINGLE PHASE					
(POWER LTP) kW/kVA	9,5/10,6	5,3/6,6	10,7/11,9	9,4/10,4	8,3/9,2
(POWER COP) kW/kVA	9,0/10,0	5,4/6,0	9,1/10,0	5,8/6,5	6,3/6,9
POWER SPECIFICATIONS					
VOLTAGE Volt	230	400/230	230	400/230	400/230
FREQUENCY Hz	50	50	50	50	50
POWER FACTOR cosφ	0,9	0,8/0,9	0,9	0,8/0,9	0,8/0,9
ENGINE					
BRAND	Yanmar	Yanmar	Honda	Hatz	Honda
MODEL	3TNV70	3TNV70	GX620	2 G 40	GX620
FUEL	diesel	diesel	petrol	diesel	petrol
DISPLACEMENT cc	854	854	614	997	614
SPEED (rpm)	3000	3000	3000	3000	3000
CYLINDER	3 in line	3 in line	2 - V	2 in line	2 - V
COOLING SYSTEM	Water	Water	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric	Electric	Electric	Electric	Electric
CONSUMPTION					
FUEL CONSUMPTION at 75% of load L/h	3,0	3,0	3,5	2,3	3,5
FUEL TANK CAPACITY L	24	24	24	17	24
RUNNING TIME at 75% of load h	8,0	8,0	6,9	7,5	6,9
NOISE EMISSION					
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	96	96	97	96
NOISE PRESSURE LEVEL at 7 mt dB(A)	70	70	70	72	70
DIMENSIONS AND WEIGHT					
LENGTH mm	1451	1451	930	1270	930
WIDTH mm	650	650	555	830	555
HEIGHT mm	975	975	800	920	800
WEIGHT (dry) Kg	325	325	166	275	176
SOCKET TYPE					
	2 x 230V 16A	1 x 230V 16A	1 x SCHUKO	1 x 230V 16A	1 x SCHUKO
	1 x 230V 32A	1 x 230V 32A	1 x 230V 16A	1 x 230V 32A	2 x 230V 16A
		1 x 400V 16A	1 x 230V 32A	1 x 400V 16A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION					
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44

P INVERTER SERIES

THE ACCURATE ENERGY

The right power to supply equipment sensitive to voltage surges.

Weight
21 Kg



P3000i



P4500i



	P2000i	P3000i	P4500i
	single phase	single phase	single phase
THREE PHASE			
(POWER LTP) kW/kVA			
(POWER COP) kW/kVA			
SINGLE PHASE			
(POWER LTP) kW/kVA	1,65/1,65	2,80/2,80	4,30/4,30
(POWER COP) kW/kVA	1,35/1,35	2,50/2,50	3,80/3,80
POWER SPECIFICATIONS			
VOLTAGE V	230	230	230
FREQUENCY Hz	50	50	50
POWER FACTOR cosΦ	1,0	1,0	1,0
ENGINE			
BRAND	Robin	Robin	Robin
MODEL	EH09-2	EX17	EX27
FUEL	petrol	petrol	petrol
DISPLACEMENT cc	86	169	265
SPEED	variable	variable	variable
CYLINDER	1 vertical	1 inc. angle	1 inc. angle
COOLING SYSTEM	air	air	air
STARTING SYSTEM	Recoil	Recoil	Recoil/Electric
CONSUMPTION			
CONSUMPTION at 75% of load L/h	0,58	1,25	1,66
TANK CAPACITY L	4	11	13
RUNNING TIME at 75% of load h	6,0	8,6	7,7
NOISE EMISSION			
NOISE PRESSURE LEVEL at 7 m dB(A)	59	58	62
GUARANTEED SOUND POWER LEVEL LWA dB(A)	91	90	93
DIMENSIONS AND WEIGHT			
LENGTH mm	490	537	580
WIDTH mm	295	482	527
HEIGHT mm	445	583	618
WEIGHT (dry) Kg	21	54	74
SOCKET TYPE			
	2 x SCHUKO	2 x SCHUKO	2 x SCHUKO
ALTERNATOR AND SOCKET PROTECTION			
ELECTRIC PROTECTION	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 54	IP 44

TG SERIES

ENERGY FOR AGRICULTURE

These generators provide an economical way to supply electricity to any part of your agricultural land. Using the pto shaft of a tractor, the TG class generator can produce high quality power for any agricultural use.



PTO Shaft Generator IP 23 version



PTO Shaft Generator IP 44 version

PTO SHAFT GENERATORS	TG 12/3	TG 16/3	TG 20/3	TG 25/3	TG 25/15	TG 27/15	TG 30/15	TG 42/15	TG 48/15	TG 62/15	TG 72/15
THREE PHASE											
(POWER COP) kVA	12	16	20	25	25	27	30	42	48	62	72
SINGLE PHASE											
(POWER COP) kVA	6	8	10	12	10	11	12	14,7	16,7	21,6	25,2
POWER SPECIFICATIONS											
VOLTAGE Volt	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
FREQUENCY Hz	50	50	50	50	50	50	50	50	50	50	50
GEAR BOX REVOLUTION rpm	3000	3000	3000	3000	1500	1500	1500	1500	1500	1500	1500
POWER (TRACTOR) kW/HP	22/30	29/40	37/50	44/60	44/60	48/65	51/70	74/100	88/120	103/140	118/160
REVOLUTION PTO SHAFT rpm	435	435	435	435	430	430	430	395	395	395	395
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound	Compound	AVR	AVR	AVR	AVR	AVR	AVR	AVR
VOLTAGE ACCURACY	5%	5%	5%	5%	1,5%	1,5%	1,5%	0,5%	0,5%	0,5%	0,5%
DIMENSIONS AND WEIGHT											
LENGTH mm	746	746	958	958	958	958	958	1110	1110	1110	1110
WIDTH mm	580	580	645	645	645	645	645	720	720	720	720
HEIGHT mm	958	958	1003	1003	1003	1003	1003	1322	1322	1322	1322
WEIGHT (dry) Kg	118	129	152	158	198	204	216	385	390	430	470
STANDARD EQUIPMENT, OPTIONS AND ACCESSORIES (x: Standard, o: Optional)											
MAGNETO THERMAL PROTECTION	x	x	x	x	x	x	x	x	x	x	x
PROTEZIONE DIFFERENZIALE	x	x	x	x	x	x	x	x	x	x	x
VOLT/FREQUENCY METER	x	x	x	x	x	x	x	x	x	x	x
IP 44* PROTECTION	o	o	o	o	o	o	o	o	o	o	o
MIN-MAX VOLTAGE CONTROLLER	o	o	o	o	o	o	o	o	o	o	o
SOCKET TYPE	1 x 230V 16A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A
	1 x 400V 16A	1 x 400V 32A	1 x 400V 32A	1 x 400V 63A	1 x 400V 63A	1 x 400V 63A	1 x 400V 63A	1 x 400V 63A	1 x 400V 63A	1 x 400V 125A	1 x 400V 125A
ALTERNATOR AND SOCKET PROTECTION											
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44

* with IP 44 power is reduced by 10% - COP Continuous Power - LTP Maximum Power

W & WP SERIES

MECHANIC WELDING

REGULATION

Welders from 170 to 230A with mechanical regulation of the welding current. Reliability, sturdiness. Soundproof and open versions depending on each particular need.



WELDER GENERATORS	W170	HGW180	W180	HGW210	W210	W230	WP180	WP230
WELDING PARAMETERS							SOUNDPROOF	SOUNDPROOF
WELDING CURRENT A	30-170	60-180	30-180	60-200	30-200	30-220	30-180	30-220
MIN/MAX WELDING VOLTAGE	21,2/26,8	22,4/27,2	21,2/27,2	22,4/28,0	21,2/28,0	21,2/28,8	21,2/27,2	21,2/28,8
WELDING SERVICE at 60% A	130	125	140	180	170	180	140	180
MAX DIAMETER OF ELECTRODE								
RUTILE mm	4	4	4	4	5	5	4	5
BASIC mm	3,25		4		4	4	4	4
CELLULOSE mm	3,25		4		5	5	4	5
THREE PHASE								
POWER (LTP) kW/kVA	4,0/5,0		4,2/5,3		5,1/6,4	5,7/7,2	4,2/5,3	5,7/7,2
POWER (COP) kVA	4,5		5,0		6,0	6,5	5,0	6,5
SINGLE PHASE								
POWER (LTP) kW/kVA	4,0/4,4	3,5/3,9	4,0/4,4	6,2/6,9	4,0/4,4	4,0/4,4	4,0/4,4	4,0/4,4
POWER (COP) kVA	4,0	3,3	4,0	5,9	4,0	4,0	4,0	4,0
POWER SPECIFICATIONS								
VOLTAGE VOLT	400/230	230	400/230	230	400/230	400/230	400/230	400/230
FREQUENCY Hz	50	50	50	50	50	50	50	50
POWER FACTOR cosφ	0,8/0,9	0,9	0,8/0,9	0,9	0,8/0,9	0,8/0,9	0,8/0,9	0,8/0,9
ENGINE								
BRAND	Honda	Honda	Yanmar	Honda	Honda	Ruggerini	Yanmar	Ruggerini
MODEL	GX270	GX270	L100	GX390	GX390	MD150	L100	MD150
FUEL	petrol	petrol	diesel	petrol	petrol	diesel	diesel	diesel
DISPLACEMENT cc	270	270	406	389	389	654	406	654
SPEED (rpm)	3000	3000	3000	3000	3000	3000	3000	3000
CYLINDER	1 vertical	1 vertical	1 vertical	1 vertical	1 vertical	2 in line	1 vertical	2 in line
COOLING SYSTEM	Air	Air	Air	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Recoil	Recoil	Electric	Recoil	Electric/Recoil	Electric	Electric	Electric
CONSUMPTION								
CONSUMPTION at 75% of load L/h	1,6	1,6	1,4	2,1	2,1	2,1	1,4	2,1
TANK CAPACITY L	6,0	6,0	5,5	6,5	6,5	18,0	24,0	24,0
RUNNING TIME at 75% of load h	3,7	3,7	3,8	3,0	3,0	8,8	16,9	11,7
NOISE EMISSION								
NOISE LEVEL LWA dB(A)	97	97	•	97	97	•	97	97
ACOUSTIC PRESSURE at 7 m dB(A)	72	72	•	72	72	•	72	72
DIMENSIONS AND WEIGHT								
LENGTH mm	810	802	810	802	810	970	930	930
WIDTH mm	610	510	610	510	610	600	555	555
HEIGHT mm	600	510	600	510	600	690	800	800
WEIGHT (dry)** Kg	108	62	143	76	114	176	180	193
SOCKET TYPE								
	1 x 230V 16A	2 x SCHUKO	1 x 230V 16A	2 x SCHUKO	1 x 230V 16A	1 x 230V 16A	3 x 230V 16A	3 x 230V 16A
	1 x 400V 16A		1 x 400V 16A		1 x 400V 16A	1 x 400V 16A	1 x 400V 16A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION								
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 54	IP 44	IP 54	IP 44	IP 44	IP 44	IP 44

PW SERIES

DIRECT AND GEARBOX TRANSMISSION

Easily transportable and ready to use; this is the ideal machine for a myriad of professional and residential uses.

TRANSPORTATION
KIT STANDARD



PW3000



PW150

HIGH PRESSURE WASHERS	PW1500	PW150	PW3000	PW240	PW3000
PUMP					
MAX PRESSURE bar/psi	110/1600	150/2200	200/2900	240/3500	200/2900
FLOW L/min	11,4	11,4	15,0	12,5	15,0
SPEED rpm	1750	3400	1450	3400	1450
ENGINE					
BRAND	Honda	Honda	Honda	Honda	Yanmar
MODEL	GX160	GX160	GX340	GX390	L100
FUEL	petrol	petrol	petrol	petrol	diesel
DISPLACEMENT cc	163	163	337	389	435
CYLINDER	1 inclined	1 inclined	1 inclined	1 inclined	1 vertical
COOLING SYSTEM	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Recoil	Recoil	Recoil	Electric/Recoil	Electric
CONSUMPTION					
CONSUMPTION at 75% of load L/h	1,0	1,0	2,0	2,5	1,5
TANK CAPACITY L	3,6	3,6	6,5	6,5	5,5
RUNNING TIME at 75% of load h	3,5	3,6	3,2	2,7	3,6
NOISE EMISSION					
NOISE LEVEL LWA dB(A)	107	106	110	103	108
ACOUSTIC PRESSURE at 7 m dB(A)	82	81	85	78	83
DIMENSION AND WEIGHT					
LENGTH mm	700	630	1040	951	1040
WIDTH mm	490	580	590	765	590
HEIGHT mm	890	540	790	655	790
WEIGHT (dry)** Kg	44	32	72	64	117
STANDARD EQUIPMENT, OPTIONS AND ACCESSORIES (x: Standard, o: Optional)					
OIL GUARD SYSTEM	x	x	x	x	
2:1 GEAR BOX	x		x		x
DIRECT DRIVE		x		x	
CHEMICAL INJECTION	x	x	x	x	x
PRESSURE HOSE	x	x	x	x	x
SUCTION HOSE WITH STRAINER			x		x
INLINE FILTER	x	x	x	x	x

MP SERIES FOR TRASH AND CLEAN WATER

Whenever it is necessary to move large quantities of water, whether during flooding, or simply filling a pond, these petrol powered pumps can move it quickly and efficiently.

UP TO
1340 Lt/min
FLOW



Inlet, Outlet Pipes



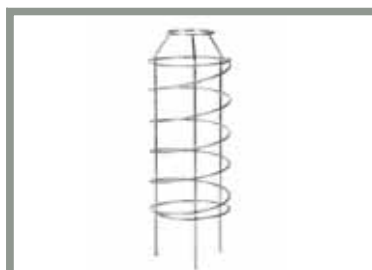
MOTOR PUMPS	MP36-2	MP56-3	MP34-2	MP66-3
PUMP				
TYPE	Semitrash	Semitrash	Trash	Trash
HEAD m	30	26	30	27
FLOW L/min	600	930	700	1340
SPEED rpm	3600	3600	3600	3600
INPUT/OUTPUT DIAMETER inch	2	3	2	3
MAX DIAMETER ALLOWED mm			20	27
ENGINE				
BRAND	Honda	Honda	Honda	Honda
MODEL	GX120	GX160	GX160	GX240
FUEL	petrol	petrol	petrol	petrol
DISPLACEMENT cc	118	163	163	242
CYLINDER	1 inclined	1 inclined	1 inclined	1 inclined
COOLING SYSTEM	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Recoil	Recoil	Recoil	Recoil
CONSUMPTION				
CONSUMPTION at 75% of load L/h	1,0	1,4	1,0	1,5
TANK CAPACITY L	2,5	3,6	3,6	6,0
RUNNING TIME at 75% of load h	2,5	2,5	3,5	3,9
NOISE EMISSION				
NOISE LEVEL LWA dB(A)	103	105	106	110
ACOUSTIC PRESSURE at 7 m dB(A)	78	80	78	83
DIMENSIONS AND WEIGHT				
LENGTH mm	506	525	653	672
WIDTH mm	402	399	474	516
HEIGHT mm	421	476	641	680
WEIGHT (dry) Kg	24	34	48	59
STANDARD EQUIPMENT, OPTION AND ACCESSORIES (x: Standard, o: Optional)				
OIL GUARD SYSTEM	x	x	x	x
3 JUBILEE PIPE CLIPS	x	x	x	x
2 THREADED COUPLINGS	x	x	x	x
FILTER	x	x	x	x
SPARK PLUG TOOL	x	x	x	x
INLET PIPES 2", 3" LENGTH 8/25 m	o	o	o	o
OUTLET PIPE 2", 3" LENGTH 5/10/50/100 m	o	o	o	o

** On electric version +3/8 Kg to add

LIGHT GLOBE & LIGHT TOWER

POWERFUL LIGHT

With a high luminosity power, the LIGHT GLOBE and LIGHT TOWER are the innovative easy-to-use solutions for many activities: sport events, building yards, night harvest, emergency needs.



LIGHT GLOBE: Protection grid (standard)



LIGHT GLOBE: Transportation case (standard)



LIGHT TOWER: Quick open/close system for legs



LIGHT TOWER: Mast support and four rings for lifting

	GLOBE DIAMETER	LIT UP AREA	LUMEN	VOLTAGE/FREQ	MAST	PROTECTION	LAMP	MAX WIND SPEED	MAX HEIGHT	OPERATION TEMPERATURE	WEIGHT
	cm	m ²		V/Hz		LEVEL	W/type	Km/h	m	°C	Kg
LIGHT GLOBE 750 H	55	310	11.400	230/50	included	IP 54	750 W Halogen	30	2,8	-25/+45	5
LIGHT GLOBE 2.0 H	110	1500	54.000	230/50	optional	IP 53	2000 W Halogen	100	5,0	-25/+45	10
LIGHT GLOBE 4.0 H Mobil	100	3000	108.000	230/50	included	IP 54	4000 W Halogen	80	5,0	-25/+45	105
LIGHT GLOBE 1.0 HTI	110	2200	80.000	230/50	optional	IP 53	1000 W HTI*	100	5,0	-25/+45	20
LIGHT GLOBE 1.2 HMI	110	2500	110.000	230/50	optional	IP 53	1200 W HMI*	100	5,0	-25/+45	30

HOT RESTRIKE

* with ballast included

	LAMP	LUMEN	LIT UP AREA	LAMP	VOLTAGE/FREQ	ELEVATION	LAMP AUTONOMY	MAX HEIGHT	OPERATION TEMPERATURE	PROTECTION	WEIGHT
	W		m ²	type	V/Hz	type	hours	m	°C	LEVEL	Kg
LIGHT TOWER Stand Alone	up to 6.000	up to 132.000	up to 2250	Halogen	230/50	Pneumatic	2.000	4,2	-5/+130	IP 55	20
LIGHT TOWER for Portable*	up to 6.000	up to 132.000	up to 2250	Halogen	230/50	Pneumatic	2.000	4,2	-5/+130	IP 55	20
LIGHT TOWER 400Wx6	2.400	192.000	2500	Metal Halide	400/50	Hydraulic	5.000	9,0	-5/+130	IP 55	630
LIGHT TOWER 1500Wx6	9.000	200.000	1200	Halogen	400/50	Hydraulic	4.000	9,0	-5/+130	IP 55	630
LSW 10 1000Wx4	4.000	340.000	4500	Metal Halide	230/50	Hydraulic	10.000	9,0	-5/+130	IP 55	1010

* Elevation type (Compressed air) | Telescopic shaft sliding sections (3)

SERVICE AND PARTS

PRAMAC Service and Parts represents PRAMAC's commitment to Customer Care and Satisfaction.

The creation of a highly specialised business unit, completely devoted to After Sales Customer Service, proves the PRAMAC intent to support its Customers at every stage of the professional relationship.

On top of this, an incredibly wide range of spare parts and components, with highly trained, professional staff, is what the PRAMAC Service and Parts division offers, answering requests from Customers all around the world. Attention to detail and consideration of user's requirements are the core of an efficient after sales service.

The focus and motto of the Service and Parts division is: *Our Customers are Our First Priority.*

Our activity is the corner stone that makes our products valuable. For this reason we develop special actions for our dealer customers and end users, giving support through scheduled maintenance programs, installation and commissioning services, training activities, and a constant, active support through our website: www.pramacparts.com

Special offer on an engine kit



On-line spare parts order and interactive spare parts catalogues

Service support



Installations and commissioning

Planned preventive maintenance



Personalised solutions with 24/7 on call service

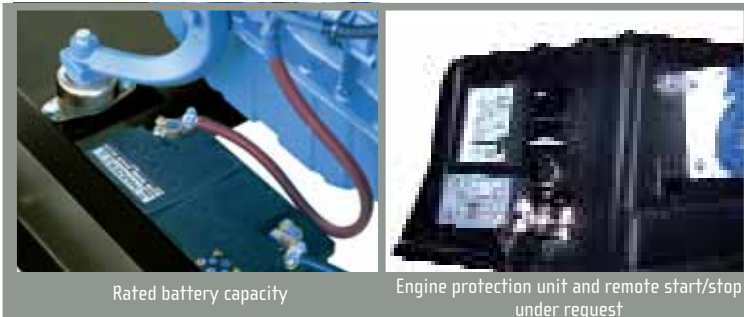
Training program



Dedicated training program for users, maintenance, and after sales service

GBA SERIES ENERGY FOR ALL YOUR NEEDS

The GBA series offers the simplest way to fulfill particular power demands. The high quality components make these generators very reliable and easy to use. They are also ideal for starting and powering motor pumps.



Rated battery capacity

Engine protection unit and remote start/stop under request



GENERATING SET	GBA7L	GBA12L	GBA14d	GBA17L
STAND BY POWER LTP kW/kVA	5,4/6,8	9,0/11,3	10,7/13,4	13,6/17,0
PRIME POWER PRP kW/kVA	4,9/6,1	8,1/10,1	10,2/12,7	12,8/16,0
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3
ENGINE				
BRAND	Lombardini	Lombardini	Deutz	Lombardini
MODEL	4LD820	9LD 625	F2L2011	11LD6263L
FUEL	Diesel	Diesel	Diesel	Diesel
COOLING SYSTEM	Air	Air	Air / integrated oil	Air
NUMBER AND DISPOSITION OF CYLINDERS	1 in line	2 in line	2 in line	3 in line
DISPLACEMENT cc	817	1248	1550	1870
ASPIRATION	Natural	Natural	Natural	Natural
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	6,7	10,7	12,6	16,5
PRIME POWER PRP kW	6,0	9,6	12,0	15,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	1,5 / 2,1	2,4 / 3,2	2,7 / 3,6	3,2 / 4,2
ALTERNATOR				
TYPE	with brushes	with brushes	with brushes	with brushes
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound	Compound
OVERALL DIMENSIONS AND WEIGHT				
LENGTH mm	1226	1226	1400	1226
WIDTH mm	700	700	750	700
HEIGHT mm	1132	1132	1180	1132
WEIGHT Kg	232	244	468	340
FUEL TANK CAPACITY L	7,2	10,0	91,0	51,0
RUNNING TIME at 75% / 100% PRP h	4,7 / 3,5	4,2 / 3,1	33,7 / 25,3	16,1 / 12,1

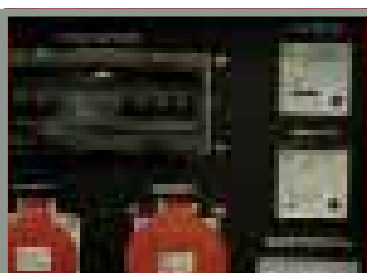
GBW SERIES

POWER AND VERSATILITY

The GBW Series offers reliable and powerful machines designed for professional use on construction sites and other industrial applications. With an excellent performance and easy installation they can be used either to support electricity mains failure or isolated locations.



Wide range of accessories



Analogue instrumentation and sockets



Support legs welded to baseframe



Water cooling sets

GENERATING SET	GBW10y	GBW15y	GBW22y	GBW30y	GBW45y
STAND BY POWER LTP kW/kVA	8,4/10,5	11,4/14,3	16,4/20,5	26,4/33,0	36,0/45,0
PRIME POWER PRP kW/kVA	7,6/9,5	10,4/13,0	14,9/18,6	26,0/32,5	35,2/44,0
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3
ENGINE					
BRAND	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar
MODEL	3TNV76	3TNV88	4TNV88	4TNV98	4TNV98T
COOLING SYSTEM	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	3 in line	4 in line	4 in line	4 in line
DISPLACEMENT cc	1116	1642	2190	3319	3319
ASPIRATION	Natural	Natural	Natural	Natural	Turbo
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	9,9	14,8	19,5	37,5	45,5
PRIME POWER PRP kW	9,0	13,5	17,7	34,1	41,4
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,1 / 2,8	2,7 / 3,6	3,8 / 5,0	6,1 / 8,1	8,7 / 11,6
ALTERNATOR					
TYPE	with brushes	with brushes	with brushes	brushless	brushless
POLES	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT					
LENGTH mm	1600	1600	1600	2000	2000
WIDTH mm	870	870	870	920	920
HEIGHT mm	875	950	1000	1100	1100
WEIGHT Kg	280	390	426	560	623
FUEL TANK CAPACITY L	51	51	51	51	51
RUNNING TIME at 75% / 100% PRP h	23,9 / 18,0	19,0 / 14,2	13,5 / 10,1	8,4 / 6,3	5,9 / 4,4



GENERATING SET	GBW15p	GBW15d	GBW22p	GBW22d	GBW30p ⁽¹⁾	GBW45p ⁽¹⁾
STAND BY POWER LTP kW/kVA	11,3/14,1	11,4/14,3	16,1/20,1	16,1/20,1	24,0/30,0	36,0/45,0
PRIME POWER PRP kW/kVA	10,2/12,7	10,4/13,0	14,8/18,6	14,9/18,6	23,2/29,0	35,2/44,0
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	33
ENGINE						
BRAND	Perkins	Deutz	Perkins	Deutz	Perkins	Perkins
MODEL	403D-15G	D2009L03	404D-22G	D2009L04	1103A-33G	1103A-33TG1
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	3 in line	4 in line	4 in line	3 in line	3 in line
DISPLACEMENT cc	1496	1720	2216	2290	3300	3300
ASPIRATION	Natural	Natural	Natural	Natural	Natural	Turbo
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	13,3	15,6	20,3	20,0	30,4	45,6
PRIME POWER PRP kW	12,0	14,8	18,4	19,1	27,7	41,3
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,7 / 3,6	2,7 / 3,6	3,8 / 5,1	3,5 / 4,7	5,1 / 6,8	7,8 / 10,4
ALTERNATOR						
TYPE	with brushes	with brushes	with brushes	with brushes	brushless	brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound	Compound	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	1600	1600	1600	1600	2000	2000
WIDTH mm	870	870	870	870	920	920
HEIGHT mm	950	1000	1000	1000	1100	1100
WEIGHT Kg	425	430	495	472	700	785
FUEL TANK CAPACITY L	51	51	51	51	51	51
RUNNING TIME at 75% / 100% PRP h	18,7 / 14,1	19,0 / 14,3	13,6 / 10,2	14,4 / 10,8	10,0 / 7,5	6,5 / 4,9

(1) This Generator is normally intended to be used for stationary application only. In this case, its engine would not have to comply with EU 97/68/EC Stage II (EU2007) Directive (no need for subsequent modifications and/or integrations).

GSA SERIES CONSTANT POWER SUPPLY

The GSA generators provide peace-of-mind: with a greatly extended running time, these sets offer a professional solution against mains power failure, maintaining a constant power supply.



Steel base frame with bolted support legs

Wide range of accessories



GENERATING SET	GSA22d	GSA30d	GSA40d	GSA42d ⁽¹⁾	GSA65d ⁽¹⁾
STAND BY POWER LTP kW/kVA	16,1/20,1	24,0/30,0	33,0/41,2	32,8/41,0	49,7/62,1
PRIME POWER PRP kW/kVA	14,9/18,6	23,2/29,0	31,4/39,3	32,0/40,0	48,8/61,0
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3
ENGINE					
BRAND	Deutz	Deutz	Deutz	Deutz	Deutz
MODEL	F3L2011	F4L2011	BF4L2011	F4L912	F6L912
COOLING SYSTEM	Air / integrated oil	Air / integrated oil	Air / integrated oil	Air	Air
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	4 in line	4 in line	4 in line	6 in line
DISPLACEMENT cc	2330	3110	3110	3770	5650
ASPIRATION	Natural	Natural	Turbo	Natural	Natural
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric	Electric	Electric	Electric	Electric
SPEED rpm	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	20,0	29,0	38,2	38,0	56,0
PRIME POWER PRP kW	19,0	27,6	36,4	37,0	55,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	4,1 / 5,5	5,7 / 7,5	7,6 / 10,2	7,5 / 10,0	10,9 / 14,6
ALTERNATOR					
TYPE	with brushes	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT					
LENGTH mm	1400	1400	1800	1800	2200
WIDTH mm	750	750	750	750	1000
HEIGHT mm	1700	1700	1710	1710	1620
WEIGHT Kg	510	618	690	776	954
FUEL TANK CAPACITY L	91	91	91	91	240
RUNNING TIME at 75% / 100% PRP h	22,0 / 16,5	16,1 / 12,1	11,9 / 8,9	12,2 / 9,1	21,9 / 16,4

(1) This Generator is normally intended to be used for stationary application only. In this case, its engine would not have to comply with EU 97/68/EC Stage II (EU2007) Directive (no need for subsequent modifications and/or integrations).

GSL SERIES

AN ALTERNATIVE POWER SUPPLY

Great performance from these oil cooled engine generators, offering reliable power with easy installation. The GSL series are perfect for locations not connected to a mains power supply.

100% COMPATIBLE
WITH BIODIESEL



Integrated oil cooling system



Industrial silencers



GENERATING SET	GSL30d	GSL42d	GSL65d
STAND BY POWER LTP kW/kVA	24,0/30,0	33,0/41,2	49,6/61,9
PRIME POWER PRP kW/kVA	23,2/29,0	31,4/39,3	47,8/59,7
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50
PHASES	3	3	3
ENGINE			
BRAND	Deutz	Deutz	Deutz
MODEL	F4M2011	BF4M2011	BF4M2011C
COOLING SYSTEM	Oil	Oil	Oil
FUEL	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	4 in line	4 in line	4 in line
DISPLACEMENT cc	3110	3110	3110
ASPIRATION	Natural	Turbo	Turbo, CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	29,0	38,2	56,0
PRIME POWER PRP kW	27,6	36,4	54,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	5,5 / 7,4	7,8 / 10,4	10,7 / 14,6
ALTERNATOR			
TYPE	brushless	brushless	brushless
POLES	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT			
LENGTH mm	1800	1800	2000
WIDTH mm	750	750	750
HEIGHT mm	1720	1720	1520
WEIGHT Kg	684	761	881
FUEL TANK CAPACITY L	90	90	90
RUNNING TIME at 75% / 100% PRP h	16,4 / 12,3	11,5 / 8,6	8,4 / 6,2

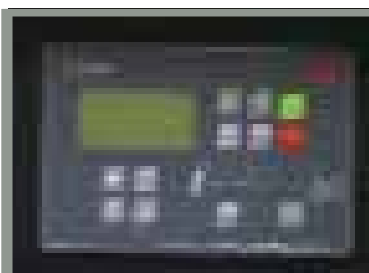
GSW SERIES

ENERGY FOR PUBLIC AND INDUSTRIAL USES

The GSW series is available with a range of accessories providing a versatile solution to a variety of applications.

This family of generators offers the best performance under the most difficult and variable operating conditions.

Ideal for major industrial areas that need an extra power source.



Availability of different cubicle solutions



Long autonomy fuel tanks



Moving and rotating parts protection



Set of documentation available

GENERATING SET	GSW65p ⁽¹⁾	GSW80d	GSW80p ⁽¹⁾	GSW110d	GSW110p	GSW150d
STAND BY POWER LTP kW/kVA	50,4/63,0	62,8/78,5	64,0/80,0	86,5/108,1	88,0/110,0	113,6/142,0
PRIME POWER PRP kW/kVA	47,7/59,6	59,3/74,1	61,6/77,0	82,0/102,5	80,1/100,1	102,6/128,2
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	Perkins	Deutz	Perkins	Deutz	Perkins	Deutz
MODEL	1103A-33TG2	BF4M2012C	1104A-44TG2	BF4M1013EC	1104C-44TAG2	BF4M1013FC
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	4 in line	4 in line	4 in line	4 in line	4 in line
DISPLACEMENT cc	3300	4040	4400	4760	4410	4760
ASPIRATION	Turbo	Turbo, CAC	Turbo	Turbo, CAC	Turbo, CAC	Turbo, CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Electronic	Electronic
STAND BY POWER LTP kW	59,3	70,0	79,1	96,1	98,0	124,0
PRIME POWER PRP kW	53,8	66,1	71,9	91,1	89,0	112,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	10,5 / 14,0	12,8 / 17,1	14,1 / 18,7	17,2 / 23,0	16,9 / 22,6	21,0 / 28,0
ALTERNATOR						
TYPE	brushless	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	2200	2200	2200	2200	2200	2200
WIDTH mm	1000	1000	1000	1000	1000	1000
HEIGHT mm	1620	1743	1620	1620	1620	1650
WEIGHT Kg	833	906	896	1326	1002	1412
FUEL TANK CAPACITY L	240	243	240	240	240	240
RUNNING TIME at 75% / 100% PRP h	22,8 / 17,1	19,0 / 14,2	17,0 / 12,8	13,9 / 10,4	14,2 / 10,6	11,4 / 8,5

(1) This Generator is normally intended to be used for stationary application only. In this case, its engine would not have to comply with EU 97/68/EC Stage II (EU2007) Directive (no need for subsequent modifications and/or integrations).



GENERATING SET	GSW170d	GSW195d	GSW220d	GSW275d	GSW530d	GSW560d
STAND BY POWER LTP kW/kVA	134,3/167,8	155,2/194,0	176,0/220,0	220,0/275,0	422,3/527,8	436,8/546,0
PRIME POWER PRP kW/kVA	127,8/159,8	146,4/183,1	163,6/204,6	203,0/253,7	367,4/459,3	407,4/509,3
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
MODEL	BF6M1013EC	BF6M1013FC G1	BF6M1013FC G2	TCO2013L06	BF8M1015C G2	BF8M1015CP
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	6 in line	6 in line	6 in line	8 V	8 V
DISPLACEMENT cc	7150	7150	7150	7150	15900	15900
ASPIRATION	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	145,8	175,8	193,8	238,0	449,7	475,9
PRIME POWER PRP kW	138,8	158,8	175,8	215,0	391,3	433,9
FUEL CONSUMPTION at 75% / 100% PRP L/h	25,9 / 34,5	29,5 / 39,3	33,3 / 44,4	38,4 / 51,2	72,3 / 96,4	85,6 / 114,2
ALTERNATOR						
TYPE	brushless	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	2600	2650	2650	2650	3300	3300
WIDTH mm	1000	1100	1100	1180	1800	1800
HEIGHT mm	1620	1965	1965	1844	2135	2135
WEIGHT Kg	1615	1980	2026	2326	3595	3595
FUEL TANK CAPACITY L	250	400	400	400	636	636
RUNNING TIME at 75% / 100% PRP h	9,6 / 7,2	13,6 / 10,2	12,1 / 9,1	10,4 / 7,8	8,8 / 6,6	7,4 / 5,6

GSW SERIES

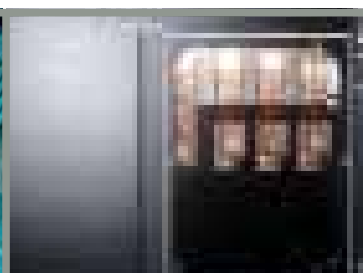
POWER IN ISOLATION

A continuous power supply, provided with high power output and extended running time, makes this range of generators the most suitable for powering sites not connected to a mains power supply.

This range is also ideal for running lighting systems during power failures.



Well balanced engine block 6 in line cylinders



Terminal board load connection



GENERATING SET	GSW275V	GSW330V	GSW415V	GSW450V	GSW510V	GSW560V	GSW590V	GSW630v
STAND BY POWER LTP kW/kVA	220,0/275,0	264,0/330,0	331,0/413,7	350,0/437,0	404,7/505,9	436,8/546,0	480,8/601,0	505,4/631,8
PRIME POWER PRP kW/kVA	198,9/248,7	252,0/315,0	302,0/377,5	329,0/411,4	364,3/455,4	403,7/504,7	456,9/571,0	457,4/571,7
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3	3	3
ENGINE								
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD734GE	TAD941GE	TAD1241GE	TAD1242GE	TAD1345GE	TAD1641GE	TAD1642GE	TAD1642GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	7150	9360	12130	12130	12780	16120	16120	16120
ASPIRATION	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	238,0	310,0	354	387	431	473	536	536
PRIME POWER PRP kW	213,0	281,0	323	352	388	430	485	485
FUEL CONSUMPTION at 75% / 100% PRP L/h	38,8 / 51,7	48,5 / 64,6	57,1 / 76,1	62,5 / 83,4	67,9 / 90,5	76,0 / 101,4	87,1 / 116,1	87.04 / 116.05
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
OVERALL DIMENSIONS AND WEIGHT								
LENGTH mm	2650	3300	3300	3300	3300	3500	3500	3500
WIDTH mm	1180	1400	1400	1400	1460	1500	1500	1500
HEIGHT mm	1844	1887	1917	1917	1965	2120	2120	2120
WEIGHT Kg	2326	2580	3050	3050	3591	3620	3803	3863
FUEL TANK CAPACITY L	400	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	10,3 / 7,7	13,1 / 9,8	11,1 / 8,3	10,2 / 7,6	9,3 / 7,0	8,4 / 6,3	7,3 / 5,5	7,3 / 5,5

GBW SERIES

FRIENDLY GENERATION

This range has optimized features specially focused to meet the needs of low investment applications. Generators have reduced dimensions and weight making them easy to transport and store. This range could be also used as rental equipment.



External fuel refilling

Canopy lock

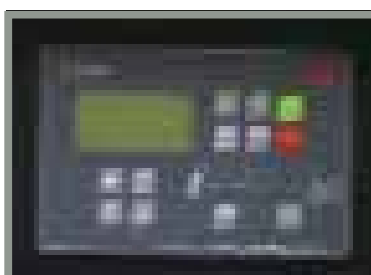


GENERATING SET	GBW10y	GBW15y	GBW22y	GBW15p	GBW15d	GBW22p	GBW22d
STAND BY POWER LTP kW/kVA	8,4/10,5	11,4/14,3	16,4/20,5	11,3/14,1	11,4/14,3	16,1/20,1	16,1/20,1
PRIME POWER PRP kW/kVA	7,6/9,5	10,4/13,0	14,9/18,6	10,2/12,7	10,4/13,0	14,9/18,6	14,9/18,6
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3	3
ENGINE							
BRAND	Yanmar	Yanmar	Yanmar	Perkins	Deutz	Perkins	Deutz
MODEL	3TNV76	3TNV88	4TNV88	403D-15G	D2009L03	404D-22G	D2009L04
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	3 in line	4 in line	3 in line	3 in line	4 in line	4 in line
DISPLACEMENT cc	1116	1642	2190	1496	1720	2216	2290
ASPIRATION	Natural	Natural	Natural	Natural	Natural	Natural	Natural
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	9,9	14,8	19,5	13,3	15,6	20,3	20,0
PRIME POWER PRP kW	9,0	13,5	17,7	12,0	14,8	18,4	19,1
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,1 / 2,8	2,7 / 3,6	3,8 / 5,1	2,7 / 3,6	2,7 / 3,6	3,8 / 5,1	3,5 / 4,7
ALTERNATOR							
TYPE	with brushes	with brushes	with brushes	with brushes	with brushes	with brushes	with brushes
POLES	4	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound	Compound	Compound	Compound	Compound
OVERALL DIMENSIONS AND WEIGHT							
LENGTH mm	1600	1600	1600	1600	1600	1600	1600
WIDTH mm	870	870	870	870	870	870	870
HEIGHT mm	1072	1072	1072	1072	1072	1072	1072
WEIGHT Kg	350	460	496	495	500	565	542
FUEL TANK CAPACITY L	51	51	51	51	51	51	51
RUNNING TIME at 75% / 100% PRP h	23,9 / 18,0	19,0 / 14,3	13,5 / 10,1	18,7 / 14,1	19,0 / 14,3	13,6 / 10,2	14,4 / 10,8
NOISE PRESSURE LEVEL at 7 mt dB(A)	67	67	67	69	70	69	70
GUARANTEED SOUND POWER LEVEL LWA dB(A)	93	93	93	95	96	95	96

GSW SERIES

COMPACT ENERGY

This series provides the most professional way to fulfill small power requirements with the highest reliability and excellent performance. Most popular range for residential areas and telecommunication sites.



Availability of different cubicle solutions



Single lifting eye



GENERATING SET	GSW10y	GSW15y	GSW22y	GSW15d	GSW22d	GSW15p	GSW22p
STAND BY POWER LTP kW/kVA	6,9/8,6	11/13,5	16,8/20,9	11,0/13,5	16,9/21,2	11,0/13,5	17,2/21,5
PRIME POWER PRP kW/kVA	7,7/9,7	10,8/13,8	15,2/19,0	10,8/13,8	16,2/20,2	10,8/13,8	15,6/19,5
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3	3
ENGINE							
BRAND	Yanmar	Yanmar	Yanmar	Deutz	Yanmar	Perkins	Perkins
MODEL	3TNV76	3TNV88	4TNV88	D2009L03	D2009L04	403D-15G	404D-22G
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	3 in line	4 in line	3 in line	4 in line	3 in line	4 in line
DISPLACEMENT cc	1116	1642	2190	1720	2290	1496	2215
ASPIRATION	Natural	Natural	Natural	Natural	Natural	Natural	Natural
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	9,9	14,85	19,8	15,6	20	13,3	20,3
PRIME POWER PRP kW	9	13,5	18	14,8	19,1	12	18,4
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,1 / 2,8	3,0 / 4,0	3,9 / 5,2	2,9 / 3,9	3,5 / 4,7	2,7 / 3,6	4,0 / 5,3
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
OVERALL DIMENSIONS AND WEIGHT							
LENGTH mm	1800	1800	1800	1800	1800	1800	1800
WIDTH mm	850	850	850	850	850	850	850
HEIGHT mm	1261	1261	1261	1261	1261	1261	1261
WEIGHT Kg	540	650	686	690	732	685	755
FUEL TANK CAPACITY L	78	78	78	78	78	78	78
RUNNING TIME at 75% / 100% PRP h	36,6 / 27,5	25,9 / 19,4	19,8 / 14,9	26,9 / 20,1	22,0 / 16,5	28,7 / 21,5	19,5 / 14,6
NOISE PRESSURE LEVEL at 7 mt dB(A)	65	65	65	67	67	61	61
GUARANTEED SOUND POWER LEVEL LWA dB(A)	91	91	91	93	93	87	87

GSW SERIES

PROFESSIONAL ENERGY

This range of generators is suitable for any application; low noise, security, greatly extended running time and versatility make GSW series the perfect choice for the business.



GENERATING SET	GSW30y	GSW45y	GSW30p ⁽¹⁾	GSW45p ⁽¹⁾
STAND BY POWER LTP kW/kVA	26,4/33,0	36,0/45,0	24,2/30,3	36,0/45,0
PRIME POWER PRP kW/kVA	25,8/32,3	35,2/44,0	23,7/29,6	35,2/44,0
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3
ENGINE				
BRAND	Yanmar	Yanmar	Perkins	Perkins
MODEL	4TNV98	4TNV98T	1103A-33G	1103A-33TG1
COOLING SYSTEM	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	4 in line	4 in line	3 in line	3 in line
DISPLACEMENT cc	3319	3319	3300	3300
ASPIRATION	Natural	Turbo	Natural	Turbo
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	37,5	45,5	30,4	45,6
PRIME POWER PRP kW	34,1	41,4	27,7	41,3
FUEL CONSUMPTION at 75% / 100% PRP L/h	6,1 / 8,1	8,7 / 11,6	5,1 / 6,8	7,8 / 10,4
ALTERNATOR				
TYPE	brushless	brushless	brushless	brushless
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH mm	2000	2000	2000	2000
WIDTH mm	920	920	920	920
HEIGHT mm	1310	1310	1310	1310
WEIGHT Kg	737	829	901	991
FUEL TANK CAPACITY L	78	78	78	78
RUNNING TIME at 75% / 100% PRP h	12,9 / 9,6	9,0 / 6,7	15,2 / 11,4	10,0 / 7,5
NOISE PRESSURE LEVEL at 7 m dB(A)	67	67	65	63
GUARANTEED SOUND POWER LEVEL LWA dB(A)	92	92	90	88

(1) This Generator is normally intended to be used for stationary application only. In this case, its engine would not have to comply with EU 97/68/EC Stage II (EU2007) Directive (no need for subsequent modifications and/or integrations).

GSL SERIES

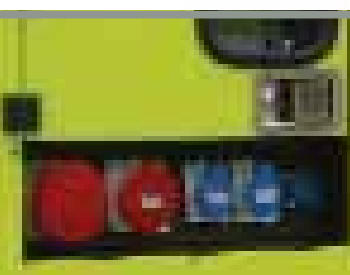
THE MULTIPURPOSE GENERATOR

This range has been designed to meet particular market needs. The most suitable application is on construction sites, where durability and reliability are required to supply constant power to applications such as lighting, cranes, concrete mixers and conveyor belts. With low noise emissions, they are also suitable for open air activities, such as shows or sporting events.

100% COMPATIBLE
WITH BIODIESEL



Integrated oil cooling system



Analogue instrumentation and sockets



GENERATING SET	GSL22d	GSL30d	GSL42d	GSL65d
STAND BY POWER LTP kW/kVA	16,9/21,2	23,7/29,6	33,2/41,5	49,6/61,9
PRIME POWER PRP kW/kVA	16,1/20,1	24,2/30,3	31,6/39,5	47,8/59,7
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3
ENGINE				
BRAND	Deutz	Deutz	Deutz	Deutz
MODEL	F3M2011	F4M2011	BF4M2011	BF4M2011C
COOLING SYSTEM	Oil	Oil	Oil	Oil
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	4 in line	4 in line	4 in line
DISPLACEMENT cc	2330	3110	3110	3110
ASPIRATION	Natural	Natural	Turbo	Turbo
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	20	29	38,2	56
PRIME POWER PRP kW	19	27,6	36,4	54
FUEL CONSUMPTION at 75% / 100% PRP L/h	3,9 / 5,2	5,5 / 7,4	7,8 / 10,4	10,7 / 14,6
ALTERNATOR				
TYPE	brushless	brushless	brushless	brushless
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH mm	2000	2000	2000	2285
WIDTH mm	920	920	920	920
HEIGHT mm	1310	1310	1310	1310
WEIGHT Kg	810	874	968	1093
FUEL TANK CAPACITY L	78	78	78	209
RUNNING TIME at 75% / 100% PRP h	20,0 / 15,0	14,1 / 10,6	10,0 / 7,5	19,5 / 14,3
NOISE PRESSURE LEVEL at 7 mt dB(A)	64	63	63	67
GUARANTEED SOUND POWER LEVEL LWA dB(A)	89	89	89	93

GSW SERIES

TOTAL ENERGY

Compliant with noise and safety regulations, this middle power rated range is designed to meet every kind of application without any specific or special requirements.



GENERATING SET	G5W65p ⁽¹⁾	G5W80p ⁽¹⁾	G5W110p	G5W150p ⁽¹⁾	G5W155p	G5W165p ⁽¹⁾	G5W170p	G5W210p
STAND BY POWER LTP kW/kVA	50,4/63,0	64,0/80,0	88,0/110,0	150,0/120,0	150,0/120,0	164,6/131,7	165,4/132,3	204,2/163,4
PRIME POWER PRP kW/kVA	47,7/59,6	61,6/77,0	80,1/ 100,1	138,5/110,8	136,8/109,5	148,9/119,1	148,7/118,9	184,4/147,5
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3	3	3
ENGINE								
BRAND	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
MODEL	1103A-33TG2	1104A-44TG2	1104C-44TAG2	1006TAG	1106C-E66TAG2	1006TAG2	1106C-E66TAG3	1106C-E66TAG4
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	4 in line	4 in line	6 in line	6 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	3300	4400	4410	TBA	4400	TBA	4400	4410
ASPIRATION	Turbo	Turbo	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical
STAND BY POWER LTP kW	59,3	79,1	98	133,5	133,0	143,0	143,5	175,5
PRIME POWER PRP kW	53,8	71,9	89	121,0	119,5	129,3	129,0	158,4
FUEL CONSUMPTION at 75% / 100% PRP L/h	10,5 / 14,0	14,0 / 18,7	16,9 / 22,6	30,4 / 40,5	22,3 / 29,8	31,4 / 41,9	23,9 / 31,9	29,3 / 39,0
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
OVERALL DIMENSIONS AND WEIGHT								
LENGTH mm	2285	2285	2400	3000	3400	3000	3400	3400
WIDTH mm	929	929	1000	1150	1250	1150	1250	1250
HEIGHT mm	1500	1500	1530	1800	1800	1800	1800	1800
WEIGHT Kg	1062	1192	1380	TBA	TBA	TBA	TBA	TBA
FUEL TANK CAPACITY L	209	209	209	340	340	340	340	340
RUNNING TIME at 75% / 100% PRP h	19,9 / 14,9	14,9 / 11,2	12,3 / 9,3	11,2 / 8,4	15,2 / 11,4	10,8 / 8,1	14,2 / 10,6	11,6 / 8,7
NOISE PRESSURE LEVEL at 7 mt dB(A)	71	71	71	72	72	72	72	72
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	96	96	97	97	97	97	97

(1) This Generator is normally intended to be used for stationary application only. In this case, its engine would not have to comply with EU 97/68/EC Stage II (EU2007) Directive (no need for subsequent modifications and/or integrations).

GSW SERIES

RENTAL ENERGY

Specially designed for the most demanding power rating in general applications, ideal for rental operators, offering the maximum protection and highest endurance. With a modern design, low noise levels and versatile accessories, this family is easily adaptable to fit any particular specification.



Rental Kit



Exceptional water cooled engines selection

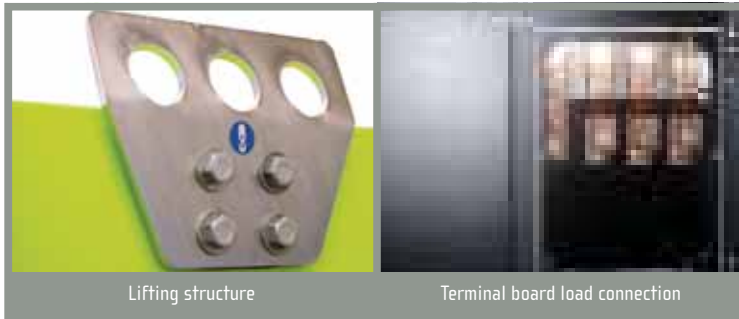


GENERATING SET	G5W80d	G5W110d	G5W150d	G5W170d	G5W195d	G5W220d
STAND BY POWER LTP kW/kVA	62,8/78,5	86,5/108,1	113,6/142,0	134,3/167,8	155,2/194,0	176,0/220,0
PRIME POWER PRP kW/kVA	59,3/74,1	82,0/102,5	102,6/128,2	127,8/159,8	146,4/183,0	163,7/204,6
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
MODEL	BF4M2012C	BF4M1013EC	BF4M1013FC	BF6M1013EC	BF6M1013FC G1	BF6M1013FC G2
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	4 in line	4 in line	4 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	4040	4760	4760	7150	7150	7150
ASPIRATION	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo CAC	Turbo CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Electronic	Mechanical	Electronic	Electronic
STAND BY POWER LTP kW	70	96,1	124	145,8	175,8	193,8
PRIME POWER PRP kW	66,1	91,1	112	138,8	158,8	175,8
FUEL CONSUMPTION at 75% / 100% PRP L/h	12,8 / 17,1	17,2 / 23,0	21,0 / 28,0	25,9 / 34,5	29,5 / 39,3	33,3 / 44,4
ALTERNATOR						
TYPE	brushless	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	2400	3000	3000	3400	3400	3400
WIDTH mm	1000	1150	1150	1250	1250	1250
HEIGHT mm	1530	1800	1800	1800	1890	1890
WEIGHT Kg	1380	1690	1775	2250	2495	2540
FUEL TANK CAPACITY L	209	340	340	340	340	340
RUNNING TIME at 75% / 100% PRP h	16,3 / 12,2	19,7 / 14,8	16,2 / 12,1	13,1 / 9,8	11,5 / 8,6	10,2 / 7,7
NOISE PRESSURE LEVEL at 7 m dB(A)	71	71	72	72	68	68
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	96	97	97	94	94

GSW SERIES

SUITABLE FOR SPECIFIC APPLICATIONS

These generators are designed for stand by applications, and fulfill the demand for "silent" power. Sturdy and reliable, like all PRAMAC machines, the "silent" power is guaranteed to fully conform to directive 2000/14/EC on environmental noise emissions.



Lifting structure

Terminal board load connection



GENERATING SET	G5W275d	G5W530d	G5W560d
STAND BY POWER LTP kW/kVA	220,0/275,0	422,3/527,8	436,8/546,0
PRIME POWER PRP kW/kVA	203,0/253,7	367,4/459,3	407,4/509,3
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50
PHASES	3	3	3
ENGINE			
BRAND	Deutz	Deutz	Deutz
MODEL	TCO2013L06	BF8M1015C G2	BF8M1015CP
COOLING SYSTEM	Water	Water	Water
FUEL	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	8 V	8 V
DISPLACEMENT cc	7150	15900	15900
ASPIRATION	Turbo, CAC	Turbo, CAC	Turbo, CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	238,0	449,7	475,9
PRIME POWER PRP kW	215,0	391,3	433,9
FUEL CONSUMPTION at 75% / 100% PRP L/h	38,4 / 51,2	72,3 / 96,4	85,6 / 114,2
ALTERNATOR			
TYPE	brushless	brushless	brushless
POLES	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT			
LENGTH mm	3950	4200	4200
WIDTH mm	1460	1860	1860
HEIGHT mm	2095	2250	2250
WEIGHT Kg	2895	4480	4600
FUEL TANK CAPACITY L	636	636	636
RUNNING TIME at 75% / 100% PRP h	16,6 / 12,4	8,8 / 6,6	7,4 / 5,6
NOISE PRESSURE LEVEL at 7 mt dB(A)	72	73	75
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	98	100

GSW SERIES

SILENT POWER FOR PUBLIC AND INDUSTRIAL USES

Low noise emissions (conforming to directive 2000/14/EC, related to environmental noise emissions), conformity to gas emission laws and high security (lockable panels, fireproof canopy) make these sets ideal for any public or industrial application.



Exhaust emissions regulations compliant



Fireproof noise attenuation material



GENERATING SET	GSW275V	GSW330V	GSW415V	GSW450V	GSW510V	GSW560V	GSW590V	GSW630V
STAND BY POWER LTP kW/kVA	220,0/275,0	264,0/330,0	331,0/413,7	349,6/437,0	404,7/505,9	436,8/546,0	480,1/601,0	505,4/631,8
PRIME POWER PRP kW/kVA	198,9/248,7	252,0/315,0	302,0/377,5	329,1/411,4	368,1/460,1	403,7/504,7	456,9/571,1	457,4/571,7
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3	3	3
ENGINE								
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD734GE	TAD941GE	TAD1241GE	TAD1242GE	TAD1345GE	TAD1641GE	TAD1642GE	TAD1642GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	7150	9360	12130	12130	12780	16120	16120	16120
ASPIRATION	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	238	310	354	387	431	473	536	536
PRIME POWER PRP kW	213	281	323	352	388	430	485	485
FUEL CONSUMPTION at 75% / 100% PRP L/h	38,8 / 51,7	48,5 / 64,6	57,1 / 76,1	62,5 / 83,4	67,9 / 90,5	76,0 / 101,4	87,0 / 116,1	87,0 / 116,1
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
OVERALL DIMENSIONS AND WEIGHT								
LENGTH mm	3950	3950	3950	3950	3950	4400	4400	4400
WIDTH mm	1460	1460	1460	1460	1460	1560	1560	1560
HEIGHT mm	2095	2095	2095	2095	2095	2250	2250	2250
WEIGHT Kg	2895	3200	3671	3671	4212	4495	4888	4948
FUEL TANK CAPACITY L	636	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	16,6 / 12,4	13,1 / 9,8	11,1 / 8,3	10,2 / 7,6	9,4 / 7,0	8,4 / 6,3	7,3 / 5,5	7,3 / 5,5
NOISE PRESSURE LEVEL at 7 m† dB(A)	72	72	72	73	73	75	76	76
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	97	97	98	98	100	101	101

GSW SERIES

POWERFUL GENERATION

Heavy duty generators built with latest technology engines installing high level electronic devices becomes in a product capable to obtain the maximum performance within the minimum delay, the highest reliability and with the lowest exhaust emissions. Additional or emergency power source requests are common application per this new generator PRAMAC range.



GENERATING SET	G5W515m	G5W570m	G5W665m	G5W730m
STAND BY POWER LTP kW/kVA	410,3/512,9	454,0/567,5	529,0/661,3	583,7/729,6
PRIME POWER PRP kW/kVA	371,8/464,8	411,6/514,5	480,0/600,0	529,0/661,3
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3
ENGINE				
BRAND	MTU	MTU	MTU	MTU
MODEL	10V1600G70F	10V1600G80F	12V1600G70F	12V1600G80F
COOLING SYSTEM	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	10 V	10 V	12 V	12 V
DISPLACEMENT cc	17500	17500	21000	21000
ASPIRATION	Turbo, CAC	Turbo, CAC	Turbo, CAC	Turbo, CAC
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	437,0	482,0	561,0	619,0
PRIME POWER PRP kW	396,0	437,0	509,0	561,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	67,5 / 90,0	74,5 / 99,4	87,2 / 116,3	96,2 / 128,2
ALTERNATOR				
TYPE	brushless	brushless	brushless	brushless
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH mm	4700	4700	4700	4700
WIDTH mm	1670	1670	1670	1670
HEIGHT mm	2430	2430	2430	2430
WEIGHT Kg	TBA	TBA	TBA	6300
FUEL TANK CAPACITY L	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	9,4 / 7,1	8,5 / 6,4	7,3 / 5,5	6,6 / 5,0
NOISE PRESSURE LEVEL at 7 m ² dB(A)	76	76	76	76
GUARANTEED SOUND POWER LEVEL LWA dB(A)	101	101	102	102

GSW SERIES

MORE POWER IN TIME

These generators are designed to fulfill the increase of Energy demand with high quality products for every kind of application, but at the same time to enjoy the economic/delivery benefits of a standard production.



AC3000

Cylinder head

GENERATING SET	G5W705v	G5W710p	G5W815p	G5W870m
STAND BY POWER LTP kW/kVA	562,0 / 703,0	565,0 / 706,0	651,0 / 814,0	697,0 / 871,0
PRIME POWER PRP kW/kVA	505,0 / 632,0	511,0 / 639,0	590,0 / 737,0	631,0 / 788,0
NOMINAL VOLTAGE Volt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3 Y	3 Y	3 Y	3 Y
ENGINE				
BRAND	Volvo	Perkins	Perkins	MTU
MODEL	TWD1643GE	2806A-E18 TAG2	4006-23 TAG2A	12V2000G65
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	6 in line	6 in line	12 a V
TOTAL DISPLACEMENT cc	16120	18100	22921	23880
AIR INTAKE	Turbocharged Intercooler			
SPEED rpm	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	596	599	685	733
PRIME POWER PRP kW	536	542	620	663
FUEL CONSUMPTION at 75% / 100% PRP L/h	98 / 131	97 / 129	120 / 160	125 / 167
ALTERNATOR				
TYPE	brushless	brushless	brushless	brushless
POLES	4	4	4	4
VOLTAGE	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH (OPEN SET - SOUNDPROOF) mm	3530 - 5000	3400 - 5080	4330 - 5920	4330 - 5920
WIDTH (OPEN SET - SOUNDPROOF) mm	1560 - 1800	1540 - 1870	1900 - 1900	1900 - 1900
HEIGHT (OPEN SET - SOUNDPROOF) mm	2120 - 2570	2050 - 2620	2280 - 2550	2280 - 2550
WEIGHT (OPEN SET - SOUNDPROOF) Kg	4000 - 5600	4860 - 6410	6200 - 8460	6070 - 7670
FUEL TANK CAPACITY L	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	9,2 / 6,9	10,3 / 7,7	8,3 / 6,2	7,9 / 6,0
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70



GENERATING SET	65W875p	65W1000m	65W1120m	65W1260m
STAND BY POWER LTP kW/kVA	699,0 / 874,0	807,0 / 1009,0	892,0/1115,0	1010,0/1262,0
PRIME POWER PRP kW/kVA	646,0 / 807,0	731,0 / 913,0	810,0/1013,0	914,0/1142,0
NOMINAL VOLTAGE VoIt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3 Y	3 Y	3 Y	3 Y
ENGINE				
BRAND	Perkins	MTU	MTU	MTU
MODEL	4006-23 TAG3A	16V2000G25	16V2000G65	18V2000G65
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	12 a V	12 a V	18 a V
TOTAL DISPLACEMENT cc	22921	31840	31840	35820
AIR INTAKE	Turbocharged Intercooler			
SPEED rpm	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	760	846	931	1052
PRIME POWER PRP kW	679	766	846	952
FUEL CONSUMPTION at 75% / 100% PRP L/h	132 / 176	143 / 190	155 / 207	178 / 238
ALTERNATOR				
TYPE	brushless	brushless	brushless	brushless
POLES	4	4	4	4
VOLTAGE	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH (OPEN SET - SOUNDPROOF) mm	4330 - 5920	4330 - 5920	4330 - 5920	4720 - 7700
WIDTH (OPEN SET - SOUNDPROOF) mm	1900 - 1900	1900 - 1900	1900 - 1900	1900 - 2400
HEIGHT (OPEN SET - SOUNDPROOF) mm	2280 - 2550	2280 - 2550	2280 - 2550	2560 - 3250
WEIGHT (OPEN SET - SOUNDPROOF) Kg	6210 - 8460	6950 - 9810	7150 - 10020	7840 - 10820
FUEL TANK CAPACITY L	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	7,6 / 5,7	7,0 / 5,2	6,4 / 4,8	5,6 / 4,2
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70

GCW SERIES

SPECIAL SOLUTIONS

The GCW series are special generating solutions, produced to order, that can be adapted to our customer's specific requirements.

Detailed specifications of the control panels are given at the end of this chapter (pag. 45).



GENERATING SET	GCW1500	GCW1770	GCW2040	GCW2270	GCW2600	GCW2800 (*)	GCW3100 (*)	GCW3360 (*)
STAND BY POWER LTP kW/kVA	1200,0 / 1500,0	1416,0 / 1770,0	1628,0 / 2035,0	1814,0 / 2268,0	2067,0 / 2583,0	2232,0 / 2790,0	2440,0 / 3050,0	2685,0 / 3356,0
PRIME POWER PRP kW/kVA	1109,0 / 1386,0	1326,0 / 1658,0	1475,0 / 1844,0	1689,0 / 2111,0	1854,0 / 2317,0	2054,0 / 2567,0	2270,0 / 2838,0	2436,0 / 3045,0
NOMINAL VOLTAGE Volt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y
ENGINE								
BRAND	MTU	MTU	MTU	MTU	MTU	MTU	MTU	MTU
MODEL	12V4000G23R	12V4000G23	12V4000G63	16V4000G23	16V4000G63	20V4000G23	20V4000G63	20V4000G63L
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	12 a V	12 a V	12 a V	12 a V	12 a V	12 a V	12 a V	12 a V
TOTAL DISPLACEMENT cc	57200	57200	57200	76300	76300	95400	95400	95400
AIR INTAKE	Turbocharged intercooler							
SPEED rpm	1500	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	1285	1535	1710	1915	2135	2365	2607	2794
PRIME POWER PRP kW	1165	1380	1535	1748	1915	2145	2365	2535
FUEL CONSUMPTION at 75% / 100% PRP L/h	209 / 279	247 / 329	272 / 363	313 / 417	338 / 451	394 / 526	434 / 579	464 / 619
ALTERNATOR								
TYPE	brushless	brushless	brushless	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4	4	4	4
VOLTAGE	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT								
LENGTH (OPEN SET - SOUNDPROOF) mm	5300 - 8200	5300 - 8200	5300 - 8200	6100 - 8550	6100 - 8550	6100 - On request	6100 - On request	6100 - On request
WIDTH (OPEN SET - SOUNDPROOF) mm	2000 - 2200	2000 - 2200	2000 - 2200	2300 - 2500	2300 - 2500	2000 - On request	2000 - On request	2000 - On request
HEIGHT (OPEN SET - SOUNDPROOF) mm	2500 - 3780	2500 - 3780	2500 - 3780	2790 - 3900	2790 - 3900	2900 - On request	2900 - On request	2900 - On request
WEIGHT (OPEN SET - SOUNDPROOF) Kg	11590 - 14560	12150 - 15120	12430 - 18430	15620 - 18920	15900 - 19300	17000 - On request	18000 - On request	20000 - On request
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	4,8 / 3,6	4,0 / 3,0	3,7 / 2,7	3,2 / 2,4	3,0 / 2,2	2,5 / 1,9	2,3 / 1,7	2,2 / 1,6
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70	- / 70	- / On request	- / On request	- / On request

(*) Dimensions and weights without radiator



GENERATING SET	GCW1130	GCW1400	GCW1510	GCW1650	GCW1780	GCW2030	GCW2265
STAND BY POWER LTP kW/kVA	907,0 / 1134,0	1119,0 / 1399,0	1200,0 / 1500,0	1319,0 / 1649,0	1417,0 / 1770,0	1624,0 / 2030,0	1814,0 / 2268,0
PRIME POWER PRP kW/kVA	825,0 / 1031,0	1013,0 / 1266,0	1094,0 / 1367,0	1199,0 / 1499,0	1366,0 / 1707,0	1477,0 / 1846,0	1657,0 / 2071,0
NOMINAL VOLTAGE VoIt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y	3 Y
ENGINE							
BRAND	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
MODEL	4008TAG2A	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4016TAG1A	4016TAG2A
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	8 in line	12 a V	12 a V	12 a V	12 a V	16 a V	16 a V
TOTAL DISPLACEMENT cc	30561	45842	45842	45842	45842	61123	61123
AIR INTAKE	Turbocharged intercooler						
SPEED rpm	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	947	1166	1263	1380	1563	1690	1886
PRIME POWER PRP kW	861	1055	1149	1254	1421	1537	1715
FUEL CONSUMPTION at 75% / 100% PRP L/h	171 / 229	209 / 279	225 / 300	236 / 315	280 / 373	290 / 387	329 / 439
ALTERNATOR							
TYPE	brushless	brushless	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4	4	4
VOLTAGE	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT							
LENGTH (OPEN SET - SOUNDPROOF) mm	4830 - 7260	4800 - 7140	4800 - 7140	4970 - 7550	5620 - 7580	5620 - 8970	5620 - 8970
WIDTH (OPEN SET - SOUNDPROOF) mm	2050 - 2200	1800 - 2000	1800 - 2000	1800 - 2100	2200 - 2400	2780 - 3000	2780 - 3000
HEIGHT (OPEN SET - SOUNDPROOF) mm	2460 - 3450	2620 - 3700	2620 - 3700	2660 - 3700	2960 - 4000	3520 - 3820	3520 - 3820
WEIGHT (OPEN SET - SOUNDPROOF) Kg	8170 - 10110	10290 - 12150	11020 - 13260	11320 - 13560	14140 - 16450	14590 - 17750	14902 - 18064
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	5,8 / 4,4	4,8 / 3,6	4,3 / 3,3	4,2 / 3,2	3,6 / 2,7	3,4 / 2,6	3,0 / 2,3
NOISE PRESSURE LEVEL at 7 m dB(A)	- / 70	- / 70	- / 70	- / 70	- / 70	- / 70	- / 70

GCW SERIES

SPECIAL SOLUTIONS



GENERATING SET	GCW1420	GCW1520	GCW1775	GCW2035	GCW2260
STAND BY POWER LTP kW/kVA	1136,0 / 1420,0	1200,0 / 1500,0	1416,0 / 1770,0	1628,0 / 2035,0	1814,0 / 2268,0
PRIME POWER PRP kW/kVA	1037,0 / 1296,0	1109,0 / 1386,0	1376,0 / 1720,0	1518,0 / 1898,0	1627,0 / 2033,0
NOMINAL VOLTAGE VoIt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3 Y	3 Y	3 Y	3 Y	3 Y
ENGINE					
BRAND	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
MODEL	S12R-PTA	S12R-PTA2	S16R-PTA	S16R-PTA2	S16R-PTAA2
STARTING SYSTEM / ELECTRIC CIRCUIT (volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	12 a V	12 a V	16 a V	16 a V	16 a V
TOTAL DISPLACEMENT cc	49030	49030	65370	65370	65370
AIR INTAKE	Turbocharged intercooler				
SPEED rpm	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	1190	1285	1590	1740	1895
PRIME POWER PRP kW	1080	1165	1450	1580	1684
FUEL CONSUMPTION at 75% / 100% PRP L/h	203 / 271	225 / 300	268 / 358	307 / 409	313 / 417
ALTERNATOR					
TYPE	brushless	brushless	brushless	brushless	brushless
POLES	4	4	4	4	4
VOLTAGE	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT					
LENGTH (OPEN SET - SOUNDPROOF) mm	4380 - 7050	4380 - 7050	6200 - 8560	6200 - 8560	6200 - 10160
WIDTH (OPEN SET - SOUNDPROOF) mm	2010 - 2200	2010 - 2200	2030 - 2200	2030 - 2200	2150 - 2450
HEIGHT (OPEN SET - SOUNDPROOF) mm	2300 - 3200	2300 - 3200	2410 - 3700	2410 - 3700	2770 - 4270
WEIGHT (OPEN SET - SOUNDPROOF) Kg	10500 - 12890	11240 - 14500	12000 - 17320	14060 - 19000	14250 - 21000
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	4,9 / 3,7	4,4 / 3,3	3,7 / 2,8	3,3 / 2,4	3,2 / 2,4
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70	- / 70

GCW UNITS

TURNKEY INSTALLATIONS

The GCW units are customized generators specially developed and produced against specific customer requests. Listed below are some of these projects. All generators are produced in either a standard or customized configuration, according to the customer's requirements. Each machine is also designed to meet the installation requirements.

Turnkey installations

Our specialised staff are able to study and offer turnkey projects for all proposed machines, and to cooperate with the development of the complete project, depending on the agreed technical specifications and terms of reference.

Control Panels

All the machines can be equipped with manual MCP, automatic ACP or AMF control panels, as well as parallel panels between two or more generators and parallel with the mains. Other options can be studied by our Technical Office.

Sound proof Canopies and Containers

The generators can be fitted with soundproof canopies or certified containers with high quality finishes and appearance, to satisfy all requirements. Soundproof versions can be equipped with internal lighting systems (standard in containers), for easy and safe maintenance. Additional electric sockets are also available to allow use of external tools.

Berlin Telecommunication project

Customized generating set with very low noise level. The machine has a power of 2000 kVA and it is placed inside a special canopy 75 dB(A) at 1 m. The total height of the canopy is around 7 meters and it is equipped with motorized louvers, fire detector system. The engine has redundant electric starting system (double electric engine, double battery pack, double battery charger) and the alternator is double bearing with thermistors.



Formentera ENDESA project

PRAMAC has been, once more, the company selected by ENDESA to supply 8MW during summer period, in order to help the main grid in Formentera Island, next to Ibiza, needed to secure all the electricity required by the high number of tourists. The seven PRAMAC generators were installed, using paralleling synchronization with main grid connection.

The main characteristics of this project:

- simple composition of seven units generating sets of prime power each 1.720 Kva;
- simple transportation and installation;
- high soundproof level in a 40 feet container each;
- low pollution level;
- simple synchronization operation;
- low fuel consumptions.

The plant was a turn key project and it included also electrical connections, fuel pipe connections and external storage tank.

CUSTOMIZED REFERENCE PROJECTS



Qatar MotoGP circuit



Qatar MotoGP circuit

The photo of Qatar MotoGP World Championship by night made the world tour. The leading role was played by 44 PRAMAC generators with a total capacity of around 11MW. Each generator, provided with sand trap air filters, supplied 315 kVA power. The material supplied by our company has sustained a spotlight system which covered the area of 70 regular football fields, with an amount of power that could illuminate an imaginary street from the capital of Qatar, Doha, to Moscow in Russia. Impressive numbers and distances!



Formula 1 circuit

During 2008/2009 our generators were fully involved in the Formula 1 World Championship, since Abu Dhabi and Singapore Grand Prix were fully supported by Pramac generators. GSW generators, installed all along the circuit, operating in parallel mode and running independently of the mains electric system were providing the needed power. Total capacity of the machines up to 9.7MW. In particular, the 2008 Formula 1 SingTel Singapore Grand Prix, was the first ever Formula One race held at night under an impressive floodlight system, supported by 24 Pramac generators.



ELECTRICAL EQUIPMENT

PRE-WIRED generating set without control panel

The generating set is supplied without control panel. All the controls and alarms coming from the engine and the alternator are wired to a terminal board installed in a connection box, for an easy external control panel connection. This is the ideal solution for markets and applications that require special controls.

MCP Manual Control Panel

The generating set is supplied with a manual control panel, mounted on the genset. The panel includes a manual control unit (push button / key start type), main circuit breaker (three poles standard, four poles optional), differential protection and all auxiliary controls and alarms. Power cables between generator and circuit breaker are included. There are several different types of MCP panel available.

ACP Automatic Control Panel

The generating set is supplied with an automatic control panel, mounted on the genset. The panel includes an automatic control unit that starts the genset in case of mains failure (it can be started manually too), main circuit breaker (three poles standard, four poles optional depending on the model), differential protection and all auxiliary controls and alarms. Power cables between generator and circuit breaker are included. All controls are wired to a plinth row installed in the control panel for an easy external Load Transfer Switch (LTS) panel connection (this panel is optional).

AMF Automatic Mains Failure start control panel

This panel is built in a metal cabinet and supplied separate to the generator (free standing, for wall mounting). The panel includes an automatic control unit that starts the genset in case of mains failure (it can be started manually too), two change over contactors electrically and mechanically interlocked (for transferring the load between mains and generating set) and all auxiliary controls and alarms. Five meters control cables are included. All these controls and alarms are wired to a plinth row installed in the control panel for easy connection to the generator.

LTS Load Transfer Switch panel

This panel is built in a metal cabinet and supplied separated of the genset (free standing, for wall mounting). It is an option of the ACP panel. The panel includes two change over contactors electrically and mechanically interlocked (for transferring the load between mains and generating set) and all auxiliary controls. All these controls are wired to a plinth row installed in the panel for an easy connection to the ACP panel (that is mounted on the genset). Five meters control cables are included.

MPP Modular Parallel Panel

The generating set is supplied with an automatic control panel, mounted on the genset. The panel includes a digital control unit (for monitoring, control, protection and load sharing for both single and multiple gen-sets operating in mains emergency or parallel modes), main motorized Circuit Breaker (four poles) and all auxiliary controls and alarms. Power cables between generator and circuit breaker are included. All controls are wired to an external multipin for an easy connection to additional generators or transference panels.

Depending on genset size additional genset equipment could be also necessary, please consult to factory.

ELECTRICAL EQUIPMENT – MANUAL CONTROL PANELS



1-MANUAL ANALOGUE (OPTIONAL)

GBA 7 / 12/ 17L Open set
GBA 14d Open set



2-MANUAL ANALOGUE

GBW15 / 22 d-y-p
GBW 30 / 45y-p Open



3-MANUAL ANALOGUE

GSW 15 / 22p-y-d Soundproof
GSL 22 / 30 / 42d Soundproof
GSW 30 / 45y-p Soundproof



4-MANUAL ANALOGUE

GSL 65d Soundproof
GSW 80 / 110 / 145 / 150 / 170 / 195 / 220d Soundproof
GSW 65 / 80 / 110 / 150 / 155 / 165 / 170 / 210p Soundproof



5-MANUAL ANALOGUE FULL OPTION (UNDER REQUEST)

GSW/GSL/GSW all range up to 220 Openset and Soundproof



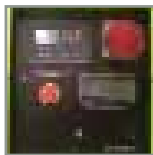
6-MANUAL DIGITAL

GSA 22 / 30 / 42 / 65d Open set
GSL 30 / 42d Open set
GSW 80 / 110 / 145 / 150 / 170 / 195 / 220d Open set
GSW 65 / 80 / 110p Open set

	1	2	3	4	5	6
EQUIPMENT						
ENGINE PROTECTION UNIT	☐	●	●	●	●	●
DC DISCONNECTION DEVICE	●	●	●	●	●	●
STARTING	KEY	KEY	KEY	KEY	KEY	KEY
MAINS VOLTAGE	-	-	-	-	-	-
GENSET VOLTAGE (3 PHASES SENSING)	-	-	-	-	●	●
GENSET VOLTAGE (1 PHASE SENSING)	●	●	●	●	-	-
GENSET INTENSITY (3 PHASES SENSING)	-	-	-	-	●	●
GENSET INTENSITY (1 PHASE SENSING)	-	●	●	●	-	-
FREQUENCY METER	-	-	-	-	●	●
HOURLY METER	●	●	●	●	●	●
BATTERY VOLTAGE AND INTENSITY	-	-	-	-	-	● [ONLY VOLTAGE]
SPEED	-	-	-	-	-	●
POWER (KVA, KW, KVAR, cosϕ)	-	-	-	-	-	- [only KVA]
FUEL LEVEL	-	-	-	-	●	●
ENGINE TEMPERATURE	-	-	-	-	●	● [NOT AVAILABLE ON GSA42/65]
OIL PRESSURE INDICATOR	-	-	-	-	●	- [standard FROM GSW195]
ALARMS & SHUTDOWNS						
GENERATOR VOLTAGE OUT OF LIMITS	-	-	-	-	-	☐
OVER-LOAD	-	-	-	-	-	☐
BATTERY CHARGER ALTERNATOR FAILURE	● [shutdown optional]	☐	☐	☐	☐	-
BATTERY VOLTAGE OUT OF LIMITS	-	-	-	-	-	●
FREQUENCY OUT OF LIMITS	-	-	-	-	-	☐
LOW FUEL LEVEL	-	-	☐	☐	☐	☐
LOW OIL PRESSURE	● [shutdown optional]	☐	☐	☐	☐	☐
HIGH ENGINE TEMPERATURE	-	☐	☐	☐	☐	☐
LOW COOLANT LEVEL	-	-	-	-	☐ [ON GSW80/150/195/220]	☐ [ON GSW80/150/195/220]
FAIL TO START	-	-	-	-	-	●
EXTERNAL SHUTDOWN	☐	●	●	●	●	●
PROTECTION DEVICES						
III POLES CIRCUIT BREAKER	●	●	●	●	●	●
IV POLES CIRCUIT BREAKER	-	-	☐	☐	☐	☐ [STANDARD BELOW 60kvas]
DIFFERENTIAL PROTECTION	-	●	●	●	●	●
INSULATION MONITORING	-	-	-	-	-	-
EMERGENCY STOP BUTTON	☐	●	●	●	●	●
OTHER FEATURES						
ACUSTIC ALARM	-	-	-	-	-	-
PHASE DETECTOR	-	-	-	-	-	-
BATTERY CHARGER	-	-	-	-	-	-
CANBUS COMMUNICATION	-	-	-	-	-	-
RS232 COMMUNICATION PORT	-	-	-	-	-	-
GSM COMMUNICATION DEVICE	-	-	-	-	-	-
RS485 / ETHERNET COMMUNICATION PORT	-	-	-	-	-	-
EXTERNAL TERMINAL BOARD FOR LOAD CONNECTION	-	-	☐	☐	☐	-
TERMINALS FOR AN EXTERNAL PANEL CONNECTION (ITS)	-	-	-	-	-	-
LOW POTENTIAL SIGNALIZATION RELAY CARD	-	-	-	-	-	-
EXTERNAL START/STOP CAPABILITY	☐	-	☐ [NOT AVAILABLE ON GSW15-22]	☐	☐ [NOT AVAILABLE ON GSW15-22]	☐
BATTERY CHARGER OUTPUT	-	-	-	-	-	-
TERMINALS FOR GENSET CUBICLE CONNECTION	-	-	-	-	-	-
CHANGEOVER CONTACTORS WITH INTERLOCK	-	-	-	-	-	-
5 METERS CONTROL WIRING	-	-	-	-	-	-
SOCKETS						
Schucko socket	-	1 x Schucko 230V	1 x Schucko 230V	☐	☐ [ONLY SOUNDPROOF SETS]	-
Single phase CEE socket	1 x 230V 2P+T CE.	2 x 230V 2P+T CE.	2 x 230V 2P+T CE.	☐	☐ [ONLY SOUNDPROOF SETS]	-
Three phase CEE socket	1 x 400V 3P+N+T CE.	2 x 400V 3P+N+T CE.	2 x 400V 3P+N+T CE.	☐	☐ [ONLY SOUNDPROOF SETS]	-

* Different versions available

- STANDARD EQUIPMENT
- ALSO WITH SHUTDOWN PROTECTION
- ☐ OPTIONAL EQUIPMENT
- NOT AVAILABLE



7-AUTOMATIC DIGITAL

GBW15 / 22 d-y-p
GBW 30 / 45y-p Open set



8-AUTOMATIC DIGITAL

GSW 15 / 22p-y-d Soundproof
GSL 22 / 30 / 42d Open set and soundproof
GSW 30 / 45y-p Soundproof



9-AUTOMATIC DIGITAL

GSA 22 / 30 / 42 / 65d Open set
GSL 65d Open set and soundproof
GSW 80/110/145/150/170/195/220d
Open set and soundproof
GSW 65/80/110/150/155/165/170/210p



10-AUTOMATIC DIGITAL

GSW 275 / 530 / 560d Open set and soundproof
GSW 275/330/415/450/510/560/590/630v
Open set and soundproof
GSW5 10 / 570/ 660 / 730m Open set and soundproof



11-AMF DIGITAL

GBA 7L/12L/17L Open set / GBA14d Open set
Portable generators [S and P series]



12-AMF DIGITAL

GBW/GSA/GSL/GSW all range up to 220
Open set and Soundproof



13-AMF DIGITAL

GSW 275 / 530 / 560d
GSW 275/330/415/450/510/560/590/630v
GSW510/570/660/730m
Open set and soundproof



14-LTS (LOAD TRANSFER SWITCH PANEL)

All ACP range

7 8 9 10 11 12 13 14

EQUIPMENT								
ENGINE PROTECTION UNIT	●	●	●	●	●	●	●	-
DC DISCONNECTION DEVICE	●	●	●	●	●	●	●	-
STARTING	PUSHBUTTON	PUSHBUTTON	PUSHBUTTON	PUSHBUTTON	PUSHBUTTON	PUSHBUTTON	PUSHBUTTON	-
MAINS VOLTAGE	●	●	●	●	●	●	●	-
GENSET VOLTAGE (3 PHASES SENSING)	●	●	●	●	-	●	●	-
GENSET VOLTAGE (1 PHASE SENSING)	-	-	-	-	●	-	-	-
GENSET INTENSITY (3 PHASES SENSING)	-	●	●	●	-	●	●	-
GENSET INTENSITY (1 PHASE SENSING)	●	-	-	-	●	-	-	-
FREQUENCY METER	●	●	●	●	●	●	●	-
HOURLY METER	●	●	●	●	●	●	●	-
BATTERY VOLTAGE AND INTENSITY	●	●	●	●	●	●	●	-
SPEED	●	●	●	●	-	●	●	-
POWER (KVA, KW, KVAR, cosφ)	-	●	●	●	-	●	●	-
FUEL LEVEL	-	●	●	●	-	● (Not available on GB)	●	-
ENGINE TEMPERATURE	-	● (only G5L)	● (only deutz, not on G5A42/65)	●	-	● (only deutz, not on GB and on G5A42/65)	●	-
OIL PRESSURE INDICATOR	-	-	- (standard FROM G5W195)	●	-	- (standard FROM G5W195)	●	-
ALARMS & SHUTDOWNS								
GENERATOR VOLTAGE OUT OF LIMITS	□	□	□	□	□	□	□	-
OVER-LOAD	□	□	□	□	□	□	□	-
BATTERY CHARGER ALTERNATOR FAILURE	□	□	□	□	□	□	□	-
BATTERY VOLTAGE OUT OF LIMITS	●	●	●	●	●	●	●	-
FREQUENCY OUT OF LIMITS	□	□	□	□	□	□	□	-
LOW FUEL LEVEL	-	□	□	□	-	□ (not available on GB)	□	-
LOW OIL PRESSURE	□	□	□	□	□	□	□	-
HIGH ENGINE TEMPERATURE	□	□	□	□	□	□	□	-
LOW COOLANT LEVEL	-	□	□ (ON G5W65/80/150/195/220)	□	-	□ (ON G5W65/80/150/195/220)	□	-
FAIL TO START	●	●	●	●	●	●	●	-
EXTERNAL SHUTDOWN	●	●	●	●	●	●	●	-
PROTECTION DEVICES								
III POLES CIRCUIT BREAKER	●	●	●	●	-	-	-	-
IV POLES CIRCUIT BREAKER	-	□	□	□	-	-	-	-
DIFFERENTIAL PROTECTION	●	●	●	●	-	-	-	-
INSULATION MONITORING	-	-	-	-	-	-	-	-
EMERGENCY STOP BUTTON	●	●	●	●	●	●	●	●
OTHER FEATURES								
ACUSTIC ALARM	-	●	●	●	●	●	●	-
PHASE DETECTOR	●	●	●	●	●	●	●	-
BATTERY CHARGER	●	●	●	●	●	●	●	-
CANBUS COMMUNICATION	-	-	- (ON G5W150/195/220 & Perkins from G5W110)	●	-	- (ON G5W150/195/220)	●	-
RS232 COMMUNICATION PORT	□	●	●	●	-	●	●	-
GSM COMMUNICATION DEVICE	-	□	□	□	-	□	□	-
RS485 / ETHERNET COMMUNICATION PORT	-	□	□	□	-	□	□	-
EXTERNAL TERMINAL BOARD FOR LOAD CONNECTION	-	□	□	●	-	-	-	-
TERMINALS FOR AN EXTERNAL PANEL CONNECTION (LTS)	●	●	●	●	-	-	-	-
LOW POTENTIAL SIGNALIZATION RELAY CARD	-	□	□	□	-	-	-	-
EXTERNAL START/STOP CAPABILITY	●	●	●	□	●	●	●	-
BATTERY CHARGER OUTPUT	-	-	-	-	-	-	-	-
TERMINALS FOR GENSET CUBICLE CONNECTION	-	-	-	-	●	●	●	●
CHANGEOVER CONTACTORS WITH INTERLOCK	-	-	-	-	●	●	●	●
5 METERS CONTROL WIRING	-	-	-	-	●	●	●	●
SOCKETS								
Schucko socket	-	□	□	□ (ONLY SOUNDPROOF SETS)	-	-	-	-
Single phase CEE socket	-	□	□	□ (ONLY SOUNDPROOF SETS)	-	-	-	-
Three phase CEE socket	1 x 400V 3P+N+T CE. 1 x 400V 3P+N+T CE.		□	□ (ONLY SOUNDPROOF SETS)	-	-	-	-

* Different versions available

- STANDARD EQUIPMENT
- ALSO WITH SHUTDOWN PROTECTION
- OPTIONAL EQUIPMENT
- NOT AVAILABLE

ACCESSORIES & OPTIONAL

PORTABLE GENERATORS

STANDARD

Magneto Thermal protection (S petrol series – except S3200, S5000 and S8000 with thermal protection - SP, P and W/WP series)
Overtemperature protection (P11000 diesel, P12000 diesel, P6000s, Pinverter)
Oil guard system (Honda engine driven and P6000s, P11000)
Oil pressure indicator (P9000, S9000)
Differential Protection (S diesel series - except S9000)
Automatic Voltage Regulation (SP series)
Insulation Monitoring (P11000diesel, P12000 diesel, SP series)
Voltmeter (WP180, WP230, P series, SP12000, S diesel series - except S9000)
Battery charger (S series - except S3200, S12000, S9000)
Hourmeter (SP series, P11000, P12000 diesel)
Lifting Kit/ Hook (P series except P4500)
Double positive welding sockets – with additional resistance (W/WP series)

OPTIONAL

Hourmeter (S6000, ES series- except ES5000 single phase, ES8000 single phase)
Transportation kit (E, ES, S, SP, P, W/WP series)
Differential protection (S*, P series, W180, W230)
Insulation Monitoring (S*, P series)
Automatic Voltage Regulation (ES5000, ES8000 and S series)
Automatic Mains Failure (S - except S3200 - SP and P series)
Remote Control (P, S series – except S3200)
Connector for AMF/R55 (S and P series)
Lifting Kit/ Hook (S petrol series – except S3200 - SP series)
Small wheel transportation kit (WP180, WP230)
Voltmeter (S9000 only)
SAS Sensitive Auto Start (S petrol series)
Cover for portable generators dimensions (L x W x H) 80 x 58 x 57 cm
Welding kit (W/WP, HGW series)
Inlet/outlet pipes for motor pumps
*includes volt/hourmeter

INDUSTRIAL GENERATORS

STANDARD

Load transfer switch panels (LTS)
Single phase version (under request)
Electronic engine governor (not available on GBA and GBW series)
Preheating system (only on ACP panels)
Automatic fuel transfer pump (not available on GB series)
Remote Genset controlling via PC/modem/GSM (only on G5 series Automatic range)
RS 485/Ethernet communication port (all G5 automatic range)
Manual analogical full option panel (all G5 range below G5W220)
Different canopy colour (under request)
Adjustable differential intensity (only from G5W275V)

OPEN SET

Residential silencer
Flexible exahust compensator (not available on GBA)

SOUNDPROOF

Socket kits
Rental kit (only on G5 series below G5W275V)
Fully bunded baseframe
Site and road trailer (all range below G5W275V)
Galvanised skids frame with fork lift channels (only on G5 series below G5W275V)
Hydraulic Lighting Tower (for G5W 30/45 and G5L series up to 40KVA5)

GCW - CUSTOMIZED SOLUTIONS

Extended capacity on base fuel tank
Automatic refueling system
Coolant pre-heating system
Differential protection
Residential silencer
IV poles circuit breaker instead of III poles



PRAMAC RACING

The company values and the spirit of PRAMAC can find all their expression in the collaboration with DUCATI. Our team can pride in a list of awards, numbering many achievements in the highest category of world Motorcycle Championships.

“Our team’s participation in Moto GP World Championships is a technological and logistic challenge to improve our product visibility.”

Paolo Campinoti CEO



2010 MotoGP World Championship



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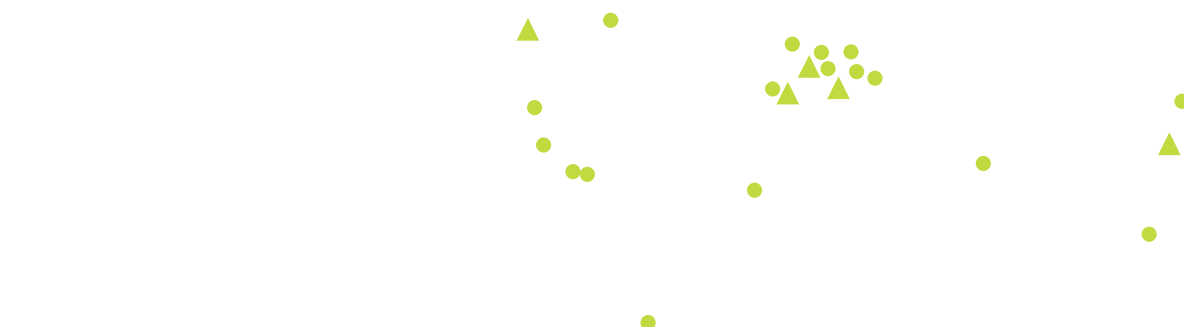
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