

ENERGY GENERATION

# PORTABLE STATIONARY



> PRODUCT RANGE | ENGLISH



Generators



# ENERGY GENERATION

Stationary generators Qatar MotoGP circuit installation



PRAMAC is a worldwide company specialized in the manufacturing and commercialization of a wide range of products in genset, material handling, photovoltaic and aeolic sectors.

Thanks to a strong presence in the market through a solid subsidiary network all over the world we are able to provide our customers with the highest level of assistance offering great efficiency and reliability throughout the whole supply process, from sales advise to after sales support. The high technological experience and the vertically integrated manufacturing processes ensure that all our products are designed and delivered with top quality and high performance.

All our resources and energies are dedicated to the most demanding markets, as a true symbol of our experience built under one mission: to offer the best value for money products enhanced by a strong strategic relationship with first level components partners.



## Generators

In the gensets area PRAMAC offers solutions for every kind of power supply demand: energy where the national network is not available, energy where it is necessary to operate without interruptions, energy for home, working and entertaining. We design, manufacture and install a complete range of portable and stationary generators from 1 to 3360 kVA as standard production, and provide also tailored solutions that can be adapted to every specific requirement. We are with you in every kind of power need situation.

[www.pramac.com](http://www.pramac.com)

# PRODUCT RANGE

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**STATIONARY RANGE  
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**STATIONARY RANGE ENGINE LEGENDA**

L = LOMBARDINI    Y = YANMAR    D = DEUTZ  
V = VOLVO    P = PERKINS    M = MTU

FLEXIBILITY =  
available engine version for mobile application

# E SERIES

## ESSENTIAL ENERGY

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
<b>THREE PHASE</b>						
(POWER LTP) kW/kVA				5,0/6,3		6,6/8,3
(POWER COP) kW/kVA				4,3/5,4		5,6/7,0
<b>SINGLE PHASE</b>						
(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
<b>POWER SPECIFICATIONS</b>						
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
<b>ENGINE</b>						
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 inclined	1 inclined	1 inclined	1 inclined	1 inclined	1 inclined
COOLING SYSTEM	Air	Air	Air	Air	Air	Air
STARTING SYSTEM	Recoil	Recoil	Recoil	Recoil	Recoil	Recoil
<b>CONSUMPTION</b>						
CONSUMPTION at 75% of load L/h	0,9	1,1	1,6	1,6	2,2	2,2
TANK CAPACITY L	3,1	3,1	5,3	5,3	6,1	6,1
RUNNING TIME at 75% of load h	3,4	2,8	3,3	3,3	2,9	2,9
<b>NOISE EMISSION</b>						
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
<b>DIMENSIONS AND WEIGHT</b>						
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
<b>SOCKET TYPE</b>						
	2 x SCHUKO	2 x SCHUKO	2 x SCHUKO	1 x 230V 16A 1 x 400V 16A	1 x SCHUKO 1 x 230V 32A	1 x 230V 16A 1 x 400V 16A
<b>ALTERNATOR AND SOCKET PROTECTION</b>						
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
<b>THREE PHASE</b>				
[POWER LTP] kW/kVA		3,7/4,7		5,5/6,9
[POWER COP] kW/kVA		3,2/4,0		4,5/5,7
<b>SINGLE PHASE</b>				
[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
<b>POWER SPECIFICATIONS</b>				
VOLTAGE Volt	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
<b>ENGINE</b>				
BRAND	Yanmar	Yanmar	Yanmar	Yanmar
MODEL	L70N	L70N	L100N	L100N
FUEL	Diesel	Diesel	Diesel	Diesel
DISPLACEMENT cc	320	320	435	435
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
<b>CONSUMPTION</b>				
CONSUMPTION at 75% of load L/h	1,0	1,0	1,3	1,3
TANK CAPACITY L	3,3	3,3	5,4	5,4
RUNNING TIME at 75% of load h	3,5	3,5	4,2	4,2
<b>NOISE EMISSION</b>				
NOISE PRESSURE LEVEL at 7 m dB(A)	76	76	80	80
GUARANTEED SOUND POWER LEVEL LWA dB(A)	101	101	105	105
<b>DIMENSIONS AND WEIGHT</b>				
LENGTH mm	760	760	760	760
WIDTH mm	540	540	540	540
HEIGHT mm	560	560	560	560
WEIGHT [dry] Kg	54	70	94	96
<b>SOCKET TYPE</b>				
	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
<b>ALTERNATOR AND SOCKET PROTECTION</b>				
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 44	IP 44	IP 44

\* Equipment only for stationary installations - 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.

AVR option  
available



Transportation kit

Cover



GENERATING SET	ES3000	ES4000	ES5000	ES5000	ES8000	ES8000
	Single phase	Single phase	Single phase	Three phase	Single phase	Three phase
<b>THREE PHASE</b>						
[POWER LTP] kW/kVA				5,0/6,3		6,6/8,3
[POWER COP] kW/kVA				4,3/5,4		5,6/7,0
<b>SINGLE PHASE</b>						
[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
<b>POWER SPECIFICATIONS</b>						
VOLTAGE Volt	230	230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50	50
POWER FACTOR $\cos\Phi$	0,9	0,9	0,9	0,8/0,9	0,9	0,8/0,9
<b>ENGINE</b>						
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 inclined	1 inclined	1 inclined	1 inclined	1 inclined	1 inclined
COOLING SYSTEM	Air	Air	Air	Air	Air	Air
STARTING SYSTEM	Recoil	Recoil	Recoil	Recoil	Recoil	Recoil
<b>CONSUMPTION</b>						
FUEL CONSUMPTION at 75% of load L/h	0,9	1,1	1,6	1,6	2,2	2,2
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
<b>NOISE EMISSION</b>						
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
<b>DIMENSIONS AND WEIGHT</b>						
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
<b>SOCKET TYPE</b>						
	2 x SCHUKO	2 x SCHUKO	1 x SCHUKO 1 x 230V 16A	1 x 230V 16A* 1 x 400V 16A	1 x SCHUKO 1 x 230V 32A	1 x 230V 16A* 1 x 400V 16A
<b>ALTERNATOR AND SOCKET PROTECTION</b>						
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	54500*	56500*	56000*	59000*	59000*
	Single phase	Single phase	Three phase	Single phase	Three phase
<b>THREE PHASE</b>					
(POWER LTP) kW/kVA			5,5/6,9		8,2/10,3
(POWER COP) kW/kVA			4,5/5,6		7,0/8,8
<b>SINGLE PHASE</b>					
(POWER LTP) kW/kVA	3,7/4,1	5,3/5,9	4,1/4,5	7,9/8,8	3,4/3,8
(POWER COP) kW/kVA	3,1/3,5	4,4/4,8	3,6/4,0	6,8/7,6	3,0/3,3
<b>POWER SPECIFICATIONS</b>					
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
<b>ENGINE</b>					
BRAND	Yanmar	Yanmar	Yanmar	Lombardini	Lombardini
MODEL	L70N	L100N	L100N	25LD330	25LD330
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel
DISPLACEMENT cc	320	435	435	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 (12 Volt)	Electric	Electric	Electric	Electric	Electric
<b>CONSUMPTION</b>					
FUEL CONSUMPTION at 75% of load L/h	1,0	1,4	1,4	2,0	2,0
FUEL TANK CAPACITY L	3,3	5,4	5,4	24,0	24,0
RUNNING TIME at 75% of load h	3,3	3,9	3,9	12,0	12,0
<b>NOISE EMISSION</b>					
GUARANTEED SOUND POWER LEVEL LWA dB(A)	101	105	105	105	105
NOISE PRESSURE LEVEL at 7 mt dB(A)	76	80	80	80	80
<b>DIMENSIONS AND WEIGHT</b>					
LENGTH mm	810	830	830	960	960
WIDTH mm	450	490	490	641	641
HEIGHT mm	500	570	570	667	667
WEIGHT (dry) Kg	81	99	108	157	160
<b>SOCKET TYPE</b>					
	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		
<b>ALTERNATOR AND SOCKET PROTECTION</b>					
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44

\* Equipment only for stationary installations - 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.



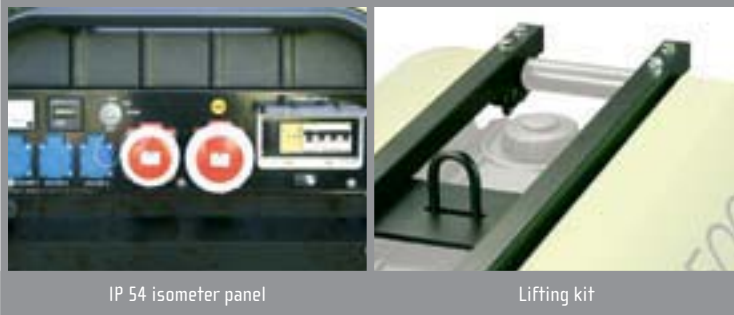
GENERATING SET	S3200	S5000	S5000	S8000	S8000	S12000	S12000
	Single phase	Single phase	Three phase	Single phase	Three phase	Single phase	Three phase
<b>THREE PHASE</b>							
[POWER LTP] kW/kVA			5,0/6,3		6,6/8,3		11,1/13,9
[POWER COP] kW/kVA			4,3/5,4		5,6/7,0		9,5/11,8
<b>SINGLE PHASE</b>							
[POWER LTP] kW/kVA	2,6/2,9	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
<b>POWER SPECIFICATIONS</b>							
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
<b>ENGINE</b>							
BRAND	Honda	Honda	Honda	Honda	Honda	Honda	Honda
MODEL	GX160	GX270	GX270	GX390	GX390	GX630	GX630
FUEL	Petrol	Petrol	Petrol	Petrol	Petrol	Petrol	Petrol
DISPLACEMENT cc	163	270	270	389	389	688	688
SPEED (rpm)	3000	3000	3000	3000	3000	3000	3000
CYLINDER	1 inclined	1 inclined	1 inclined	1 inclined	1 inclined	2 V angle	2 V angle
COOLING SYSTEM	Air	Air	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (12 Volt)	Recoil	Electric/Recoil	Electric/Recoil	Electric/Recoil	Electric/Recoil	Electric	Electric
<b>CONSUMPTION</b>							
FUEL CONSUMPTION at 75% of load L/h	0,9	1,6	1,6	2,2	2,1	3,9	3,9
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	6,1	6,1
<b>NOISE EMISSION</b>							
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
<b>DIMENSIONS AND WEIGHT</b>							
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	41	76	88	96	99	162	165
<b>SOCKET TYPE</b>							
	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
<b>ALTERNATOR AND SOCKET PROTECTION</b>							
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
<b>THREE PHASE</b>		
(POWER LTP) kW/kVA	7,1/8,8	11,1/13,8
(POWER COP) kW/kVA	5,4/6,8	9,4/11,8
<b>SINGLE PHASE</b>		
(POWER LTP) kW/kVA	5,2/5,8	8,2/9,1
(POWER COP) kW/kVA	3,5/4,0	6,2/7,0
<b>POWER SPECIFICATIONS</b>		
VOLTAGE Volt	400/230	400/230
FREQUENCY Hz	50	50
POWER FACTOR cosΦ	0,8/0,9	0,8/0,9
<b>ENGINE</b>		
BRAND	Honda	Honda
MODEL	GX390	GX630
FUEL	Petrol	Petrol
DISPLACEMENT cc	389	688
SPEED (rpm)	3000	3000
CYLINDER	1 inclined	2 V angle
COOLING SYSTEM	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (12 Volt)	Electric/Recoil	Electric
<b>CONSUMPTION</b>		
FUEL CONSUMPTION at 75% of load L/h	1,9	3,9
FUEL TANK CAPACITY L	18	24
RUNNING TIME at 75% of load h	9,3	6,1
<b>NOISE EMISSION</b>		
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	96
NOISE PRESSURE LEVEL at 7 mt dB(A)	72	70
<b>DIMENSIONS AND WEIGHT</b>		
LENGTH mm	842	960
WIDTH mm	523	641
HEIGHT mm	557	667
WEIGHT (dry)** Kg	113	170
<b>SOCKET TYPE</b>		
	1 x 230V 16A	3 x SCHUKO
	1 x 400V 16A	1 x 400V 16A
		1 x 400V 32A
<b>ALTERNATOR AND SOCKET PROTECTION</b>		
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 Diesel



GENERATING SET	P4500	P6000	P6000	P6000s	P6000s	P9000	P9000
	Single phase	Single phase	Three phase	Single phase	Three phase	Single phase	Three phase
<b>THREE PHASE</b>							
(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
<b>SINGLE PHASE</b>							
(POWER LTP) kW/kVA	3,7/4,1	5,3/5,9	2,6/2,9	5,4/5,9	2,6/2,9	7,9/8,8	5,9/6,6
(POWER COP) kW/kVA	3,1/3,5	4,3/4,8	2,0/2,2	4,4/4,9	2,3/2,5	6,8/7,6	3,0/3,3
<b>POWER SPECIFICATIONS</b>							
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
<b>ENGINE</b>							
BRAND	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Lombardini	Lombardini
MODEL	L70N	L100N	L100N	L100N	L100N	25LD330	25LD330
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
DISPLACEMENT cc	320	435	435	435	435	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 (12 Volt)	Electric/Recoil	Electric	Electric	Electric	Electric	Electric	Electric
<b>CONSUMPTION</b>							
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
<b>NOISE EMISSION</b>							
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	93	93	84	84	97	97
NOISE PRESSURE LEVEL at 7 mt dB(A)	71	67	67	58	58	72	72
<b>DIMENSIONS AND WEIGHT</b>							
LENGTH mm	800	945	945	970	970	945	945
WIDTH mm	520	595	595	580	580	595	595
HEIGHT mm	660	825	825	927	927	825	825
WEIGHT (dry)** Kg	99	186	186	203	203	204	207
<b>SOCKET TYPE</b>							
	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
<b>ALTERNATOR AND SOCKET PROTECTION</b>							
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 R55 features and powerful, reliable Diesel engines. These generators are ideal for domestic backup power supply or professional use in residential areas.



GENERATING SET	P11000	P11000	P12000	P12000	P12000
	Single phase	Three phase	Single phase	Three phase	Three phase
<b>THREE PHASE</b>					
(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
<b>SINGLE PHASE</b>					
(POWER LTP) kW/kVA	9,5/10,6	5,3/6,6	10,7/11,9	4,2/4,6	4,2/4,6
(POWER COP) kW/kVA	9,0/10,0	5,4/6,0	9,1/10,0	3,6/4,0	3,6/4,0
<b>POWER SPECIFICATIONS</b>					
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
<b>ENGINE</b>					
BRAND	Yanmar	Yanmar	Honda	Hatz	Honda
MODEL	3TNV70	3TNV70	GX630	2 G 40	GX630
FUEL	Diesel	Diesel	Petrol	Diesel	Petrol
DISPLACEMENT cc	854	854	688	997	688
SPEED (rpm)	3000	3000	3000	3000	3000
CYLINDER	3 in line	3 in line	2 V angle	2 in line	2 V angle
COOLING SYSTEM	Water	Water	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (12 Volt)	Electric	Electric	Electric	Electric	Electric
<b>CONSUMPTION</b>					
FUEL CONSUMPTION at 75% of load L/h	3,0	3,0	4,1	2,3	4,1
FUEL TANK CAPACITY L	24	24	24	17	24
RUNNING TIME at 75% of load h	8,0	8,0	5,9	7,5	5,9
<b>NOISE EMISSION</b>					
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	96	89	97	89
NOISE PRESSURE LEVEL at 7 mt dB(A)	70	70	64	72	64
<b>DIMENSIONS AND WEIGHT</b>					
LENGTH mm	1451	1451	945	1270	945
WIDTH mm	650	650	595	830	595
HEIGHT mm	975	975	825	920	825
WEIGHT (dry) Kg	325	325	188	275	185
<b>SOCKET TYPE</b>					
	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
<b>ALTERNATOR AND SOCKET PROTECTION</b>					
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



GENERATING SET	P2000i	P3000i	P4500i
	Single phase	Single phase	Single phase
<b>THREE PHASE</b>			
(POWER LTP) kW/kVA			
(POWER COP) kW/kVA			
<b>SINGLE PHASE</b>			
(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
<b>POWER SPECIFICATIONS</b>			
VOLTAGE Volt	230	230	230
FREQUENCY Hz	50	50	50
POWER FACTOR cosΦ	1,0	1,0	1,0
<b>ENGINE</b>			
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 inclined	1 inclined
COOLING SYSTEM	Air	Air	Air
STARTING SYSTEM	Recoil	Recoil	Electric
<b>CONSUMPTION</b>			
CONSUMPTION at 75% of load L/h	0,58	1,25	1,66
TANK CAPACITY L	3,5	11	13
RUNNING TIME at 75% of load h	6,0	8,6	7,7
<b>NOISE EMISSION</b>			
NOISE PRESSURE LEVEL at 7 m dB(A)	59	58	62
GUARANTEED SOUND POWER LEVEL LWA dB(A)	91	90	93
<b>DIMENSIONS AND WEIGHT</b>			
LENGTH mm	490	537	580
WIDTH mm	295	482	527
HEIGHT mm	445	583	618
WEIGHT (dry) Kg	21	54	74
<b>SOCKET TYPE</b>			
	2 x SCHUKO	2 x SCHUKO	2 x SCHUKO
	Battery charger 12V 8,3A	Battery charger 12V 8,3A	Battery charger 12V 8,3A
<b>ALTERNATOR AND SOCKET PROTECTION</b>			
ELECTRIC PROTECTION	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 54	IP 44

# TG SERIES PTO SHAFT GENERATORS

## 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 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
<b>THREE PHASE</b>											
(POWER COP) kVA	12	16	20	25	25	27	30	42	48	62	72
<b>SINGLE PHASE</b>											
(POWER COP) kVA	6	8	8,5	8,5	8,5	8,5	12	14,7	16,7	21,6	25,2
<b>POWER SPECIFICATIONS</b>											
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%
<b>DIMENSIONS AND WEIGHT</b>											
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	123	134	160	166	200	212	216	385	390	430	470
<b>STANDARD EQUIPMENT, OPTIONS AND ACCESSORIES [x: Standard, o: Optional]</b>											
MAGNETO THERMAL PROTECTION	x	x	x	x	x	x	x	x	x	x	x
DIFFERENTIAL PROTECTION	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 400V 16A	1 x 230V 32A 1 x 400V 32A	1 x 230V 32A 1 x 400V 32A	1 x 230V 32A 1 x 400V 63A	1 x 230V 32A 1 x 400V 63A	1 x 230V 32A 1 x 400V 63A	1 x 230V 32A 1 x 400V 63A	1 x 230V 32A 1 x 400V 63A	1 x 230V 32A 1 x 400V 63A	1 x 230V 32A 1 x 400V 125A	1 x 230V 32A 1 x 400V 125A
<b>ALTERNATOR AND SOCKET PROTECTION</b>											
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

# HGW / W / WP SERIES WELDER GENERATORS

## 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	HGW180	HGW210	W170	W220	W230	WP230
<b>WELDING PARAMETERS</b>						<b>SOUNDPROOF</b>
WELDING CURRENT A	60-180	60-200	30-170	40-220	30-220	30-220
MIN/MAX WELDING VOLTAGE	22,4/27,2	22,4/28,0	21,2/26,8	21,6/28,8	21,2/28,8	21,2/28,8
WELDING SERVICE at 60% A	125	180	130	170	180	180
<b>MAX DIAMETER OF ELECTRODE</b>						
RUTILE mm	4	4	4	5	5	5
BASIC mm			3,25	5	4	4
CELLULOSE mm			3,25	5	5	5
<b>THREE PHASE</b>						
POWER (LTP) kW/kVA			4,0/5,0	5,5/6,1	5,7/7,2	5,7/7,2
POWER (COP) kVA			4,5	5,2	6,5	6,5
<b>SINGLE PHASE</b>						
POWER (LTP) kW/kVA	3,5/3,9	6,2/6,9	4,0/4,4	2,4/2,7	4,0/4,4	4,0/4,4
POWER (COP) kVA	3,3	5,9	4,0	2,3	4,0	4,0
<b>POWER SPECIFICATIONS</b>						
VOLTAGE Volt	230	230	400/230	400/230	400/230	400/230
FREQUENCY Hz	50	50	50	50	50	50
POWER FACTOR cosΦ	0,9	0,9	0,8/0,9	0,8/0,9	0,8/0,9	0,8/0,9
<b>ENGINE</b>						
BRAND	Honda	Honda	Honda	Honda	Ruggerini/Lombardini	Ruggerini/Lombardini
MODEL	GX270	GX390	GX270	GX390	MD150/25LD330	MD150/25LD330
FUEL	Petrol	Petrol	Petrol	Petrol	Diesel	Diesel
DISPLACEMENT cc	270	389	270	389	654	654
SPEED (rpm)	3000	3000	3000	3000	3000	3000
CYLINDER	1 inclined	1 inclined	1 inclined	1 inclined	2 in line	2 in line
COOLING SYSTEM	Air	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (12 Volt)	Recoil	Electric / Recoil	Recoil	Recoil	Electric	Electric
<b>CONSUMPTION</b>						
CONSUMPTION at 75% of load L/h	1,6	2,1	1,6	2,2	2,1	2,1
TANK CAPACITY L	6,0	6,5	6,0	6,1	18,0	24,0
RUNNING TIME at 75% of load h	3,7	3,0	3,7	2,8	8,8	11,7
<b>NOISE EMISSION</b>						
NOISE LEVEL LWA dB(A)	97	97	97	97	105	97
ACOUSTIC PRESSURE at 7 m dB(A)	72	72	72	7,2	80	72
<b>DIMENSIONS AND WEIGHT</b>						
LENGTH mm	802	802	810	875	970	930
WIDTH mm	510	510	610	620	600	555
HEIGHT mm	510	510	600	600	690	800
WEIGHT (dry)** Kg	62	76	108	80	176	193
<b>SOCKET TYPE</b>						
	2 x SCHUKO	2 x SCHUKO	1 x 230V 16A 1 x 400V 16A	1 x SCHUKO 1 x 400V 16A	1 x 230V 16A 1 x 400V 16A	3 x 230V 16A 1 x 400V 16A
<b>ALTERNATOR AND SOCKET PROTECTION</b>						
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

- Equipment only for stationary installations - \*\* On electric version +3/8 Kg to add - COP Continuous Power - LTP Maximum Power



# PW SERIES HIGH PRESSURE WASHERS

## 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



HIGH PRESSURE WASHERS	PW1500	PW150	PW3000	PW240	PW3000
<b>PUMP</b>					
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
<b>ENGINE</b>					
BRAND	Honda	Honda	Honda	Honda	Yanmar
MODEL	GX160	GX160	GX340	GX390	L100N
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 (12 Volt)	Recoil	Recoil	Recoil	Electric/Recoil	Electric
<b>CONSUMPTION</b>					
CONSUMPTION at 75% of load L/h	1,0	1,0	1,7	2,0	1,5
TANK CAPACITY L	3,1	3,1	6,1	6,1	5,4
RUNNING TIME at 75% of load h	3,1	3,1	3,6	3,0	3,6
<b>NOISE EMISSION</b>					
NOISE LEVEL LWA dB(A)	107	106	110	103	108
ACOUSTIC PRESSURE at 7 m dB(A)	82	81	85	78	83
<b>DIMENSION AND WEIGHT</b>					
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	82	68	117
<b>STANDARD EQUIPMENT, OPTIONS AND ACCESSORIES (x: Standard, o: Optional)</b>					
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

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

# MP SERIES MOTOR PUMPS 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
<b>PUMP</b>				
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
<b>ENGINE</b>				
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 (VolH)	Recoil	Recoil	Recoil	Recoil
<b>CONSUMPTION</b>				
CONSUMPTION at 75% of load L/h	1,0	1,4	1,0	1,5
TANK CAPACITY L	2,0	3,1	3,1	5,3
RUNNING TIME at 75% of load h	2,0	2,2	3,1	3,5
<b>NOISE EMISSION</b>				
NOISE LEVEL LWA dB(A)	103	105	106	110
ACOUSTIC PRESSURE at 7 m dB(A)	78	80	78	83
<b>DIMENSIONS AND WEIGHT</b>				
LENGTH mm	437	477	520	690
WIDTH mm	364	416	462	485
HEIGHT mm	399	466	481	537
WEIGHT (dry) Kg	23	28	47	59
<b>STANDARD EQUIPMENT, OPTION AND ACCESSORIES (x: Standard, o: Optional)</b>				
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

# LIGHT GLOBE & LIGHT TOWER LIGHTING EQUIPMENT

## 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.



	GLOBE DIAMETER	LIT UP AREA	LUMEN	VOLTAGE/FREQ	MAST	PROTECTION	LAMP	MAX WIND SPEED	MAX HEIGHT	OPERATION TEMPERATURE	WEIGHT
	cm	m <sup>2</sup>		V/Hz		LEVEL	W/type	Km/h	m	°C	Kg
LIGHT GLOBE FCL 90W	55	150	6000	230/50	Included	IP 54	90W Fluocompact	30	3,8	-25/+45	8
LIGHT GLOBE HI 600W	90	1500	58000	230/50	Optional	IP 54	600 W HI-TP*	100	5,0	-25/+45	10
LIGHT GLOBE 2.0 H	90	1500	54000	230/50	Optional	IP 54	2000 W Halogen	100	5,0	-25/+45	10
LIGHT GLOBE 4.0 H Mobil	120	3000	108000	230/50	Included	IP 54	4000 W Halogen	100	5,0	- 25/+45	105
LIGHT GLOBE 1.0 HIT	120	3000	110000	230/50	Optional	IP 54	1000 W HIT*	100	5,0	- 25/+45	20*
LIGHT GLOBE 1.2 HMI	120	3000	110000	230/50	Optional	IP 54	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 <sup>2</sup>	type	V/Hz	type	hours	m	°C	LEVEL	Kg
LIGHT TOWER Stand Alone	up to 6000	up to 132000	up to 2250	Halogen	230/50	Pneumatic	2000	4,2	-5/+130	IP 55	20
LIGHT TOWER for Portable*	up to 6000	up to 132000	up to 2250	Halogen	230/50	Pneumatic	2000	4,2	-5/+130	IP 55	20
LIGHT TOWER 400Wx6	2400	192000	2500	Metal Halide	400/50	Hydraulic	5000	9,0	-5/+130	IP 55	630
LIGHT TOWER 1500Wx6	9000	200000	1200	Halogen	400/50	Hydraulic	4000	9,0	-5/+130	IP 55	630
LSW 10 1000Wx4	4000	340000	4500	Metal Halide	230/50	Hydraulic	10000	9,0	-5/+130	IP 55	1010
LSW 7	4000	340000	4500	Metal Halide	230/50	Hydraulic	10000	9,0	-5/+130	IP 55	900

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

# GENSETS PRODUCTION PLANTS

## ENERGY FOR ALL YOUR NEEDS



**PRAMAC S.p.A.**  
**Casole d'Elsa (SIENA) – Italy**  
**Production capacity:**  
 2.000 stationary generators / year up to 3.000 kVA  
 2.400 micro wind generators/year  
**Surface:** 40.000 sm  
 Approx. 130 employees

**PRAMAC FRANCE S.A.S.**  
**St. Nizier sous Charlieu (LYON) – France**  
**Production capacity**  
 80.000 portable generators / year  
**Surface:** 20.000 sm  
 Approx. 45 employees



**PRAMAC IBERICA S.A.U.**  
**Balsicas (Murcia) – Spain**  
 Inaugurated in January 2003  
**Production capacity**  
 3.000 portable generators/year  
 18.000 stationary generators / year up to 250 kVA  
**Surface:** 22.000 sm  
 Approx. 150 employees

**PRAMAC AMERICA LLC**  
**Kearney (Nebraska) – USA**  
 Starting activity in Kearney August 1st 2008  
**Production capacity**  
 300.000 units / year  
 (80.000 on current labor force)  
**Surface:** 20.000 sm  
 Over 50 employees



**PRAMAC FU LEE (Foshan) Power Equipment CO. LTD.**  
**Shunde (GUANGDONG) – China**  
 Inaugurated in January 2006  
**Production capacity**  
 50.000 portable generators / year  
 2.000 stationary generators / year up to 700 kVA  
**Surface:** 16.000 sm  
 Approx. 60 employees

# 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	GBA17L
STAND BY POWER LTP kW/kVA	5,4/6,8	9,0/11,3	13,6/17,0
PRIME POWER PRP kW/kVA	4,9/6,1	8,1/10,1	12,8/16,0
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50
PHASES	3	3	3
ENGINE			
BRAND	Lombardini	Lombardini	Lombardini
MODEL	4LD820	9LD 625	11LD6263L
FUEL	Diesel	Diesel	Diesel
COOLING SYSTEM	Air	Air	Air
NUMBER AND DISPOSITION OF CYLINDERS	1 in line	2 in line	3 in line
DISPLACEMENT cc	817	1248	1870
ASPIRATION	Natural	Natural	Natural
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	6,7	10,7	16,5
PRIME POWER PRP kW	6,0	9,6	15,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	1,5 / 2,1	2,4 / 3,2	3,2 / 4,2
ALTERNATOR			
TYPE	With brushes	With brushes	With brushes
POLES	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound
OVERALL DIMENSIONS AND WEIGHT			
LENGTH mm	1226	1226	1226
WIDTH mm	700	700	700
HEIGHT mm	1132	1132	1132
WEIGHT Kg	232	244	340
FUEL TANK CAPACITY L	7,0	10,0	51,0
RUNNING TIME at 75% / 100% PRP h	4,7 / 3,3	4,2 / 3,1	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	11,0/13,8	16,7/20,9	27,2/34,0	36,0/45,0
PRIME POWER PRP kW/kVA	7,6/9,5	10,4/13,0	15,2/19,0	25,6/32,0	35,6/44,5
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 / 5,1	6,1 / 8,1	8,7 / 11,3
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	432	495	560	580
FUEL TANK CAPACITY L	51	51	51	51	51
RUNNING TIME at 75% / 100% PRP h	23,9 / 18,0	19,0 / 14,0	13,5 / 10,1	8,4 / 6,3	5,9 / 4,5



GENERATING SET	GBW15P	GBW22P	GBW30P <sup>(1)</sup>	GBW45P <sup>(1)</sup>
STAND BY POWER LTP kW/kVA	11,3/14,1	16,1/20,1	26,5/33,1	37,6/47,0
PRIME POWER PRP kW/kVA	10,2/12,7	14,8/18,6	24,1/30,2	35,6/44,5
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	33
ENGINE				
BRAND	Perkins	Perkins	Perkins	Perkins
MODEL	403D-15G	404D-22G	1103A-33G	1103A-33TG1
COOLING SYSTEM	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	4 in line	3 in line	3 in line
DISPLACEMENT cc	1496	2216	3300	3300
ASPIRATION	Natural	Natural	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	13,3	20,3	30,4	45,6
PRIME POWER PRP kW	12,0	18,4	27,7	41,3
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,7 / 3,6	3,8 / 5,1	5,1 / 6,8	7,8 / 10,4
ALTERNATOR				
TYPE	With brushes	With brushes	Brushless	Brushless
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Compound	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH mm	1600	1600	2000	2000
WIDTH mm	870	870	920	920
HEIGHT mm	950	1000	1100	1100
WEIGHT Kg	425	495	700	785
FUEL TANK CAPACITY L	51	51	51	51
RUNNING TIME at 75% / 100% PRP h	18,7 / 14,0	13,6 / 10,2	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 2004/26/EC Stage IIIA (EU 2011) 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	GSA42D <sup>(1)</sup>	GSA65D <sup>(1)</sup>
STAND BY POWER LTP kW/kVA	16,1/20,1	24,1/30,3	33,0/41,3	49,7/62,1
PRIME POWER PRP kW/kVA	14,9/18,6	23,7/29,6	32,2/40,2	48,8/61,0
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3
ENGINE				
BRAND	Deutz	Deutz	Deutz	Deutz
MODEL	F3L2011	F4L2011	F4L912	F6L912
COOLING SYSTEM	Air / integrated oil	Air / integrated oil	Air	Air
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	4 in line	4 in line	6 in line
DISPLACEMENT cc	2330	3110	3770	5650
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	20,0	29,0	38,0	56,0
PRIME POWER PRP kW	19,0	27,6	37,0	55,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	4,1 / 5,5	5,7 / 7,5	7,5 / 10,0	10,9 / 14,6
ALTERNATOR				
TYPE	With brushes	Brushless	Brushless	Brushless
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH mm	1400	1400	1800	2200
WIDTH mm	750	750	750	1000
HEIGHT mm	1700	1700	1710	1620
WEIGHT Kg	510	698	743	954
FUEL TANK CAPACITY L	91	91	91	240
RUNNING TIME at 75% / 100% PRP h	22,0 / 16,5	16,1 / 12,1	12,2 / 10,0	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 2004/26/EC Stage IIIA (EU 2011) 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	24,2/30,3	33,2/41,5	49,6/61,9
PRIME POWER PRP kW/kVA	23,6/29,5	31,6/39,5	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 / 7,5	7,8 / 10,4	10,7 / 13,3
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	714	761	881
FUEL TANK CAPACITY L	90	90	90
RUNNING TIME at 75% / 100% PRP h	16,4 / 12,3	11,5 / 8,6	9,1 / 6,8

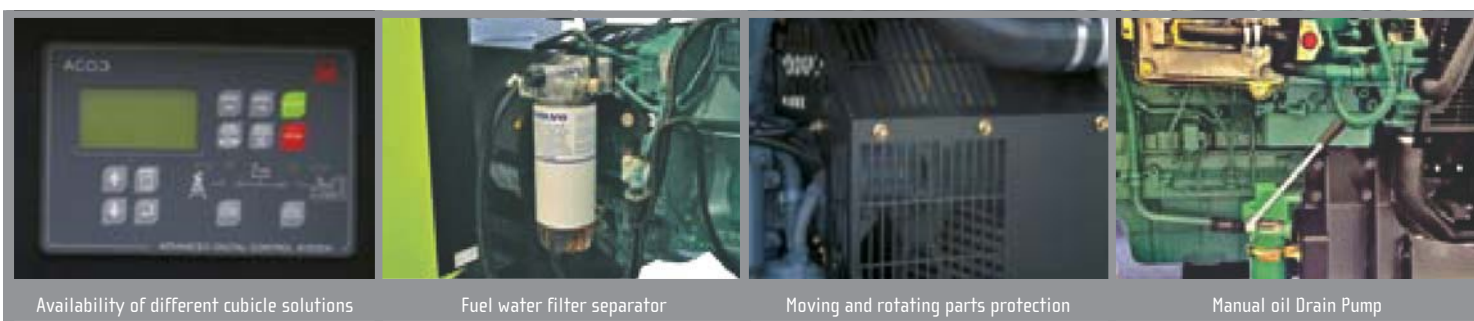
# GSW SERIES

## 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

Fuel water filter separator

Moving and rotating parts protection

Manual oil Drain Pump

GENERATING SET	G5W65P <sup>(1)</sup>	G5W80P <sup>(1)</sup>	G5W110P	G5W150P	G5W155P	G5W165P	G5W170P	G5W210P
STANDBY POWER LTP kW/KVA	50,4/63,0	64,0/80,0	88,0/110,0	120,0/150,0	120,0/150,0	131,7/164,6	132,0/165,0	162,9/203,6
PRIME POWER PRP kW/KVA	47,7/59,7	61,6/77,0	80,1/100,1	110,8/138,5	109,0/136,3	119,1/148,9	118,7/148,4	147,0/183,7
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	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	4 in line	6 in line	4 in line	6 in line	6 in line
DISPLACEMENT cc	3300	4400	4410	5990	6600	5990	6600	6600
ASPIRATION	Turbo	Turbo	Turbo, CAC	Turbo	Turbo, CAC	Turbo	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	Mechanical	Electrical	Mechanical	Electrical	Electrical
STAND BY POWER LTP kW	59	79	98	134	133	143	144	176
PRIME POWER PRP kW	54	72	89	121	119	129	129	158
FUEL CONSUMPTION at 75% / 100% PRP L/h	10,5/14,0	14,0/18,7	16,9/22,6	24,1/32,1	22,2/29,6	31,6/42,2	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	2200	2200	2200	2600	2600	2600	2600	2600
WIDTH mm	1000	1000	1000	1000	1000	1000	1000	1000
HEIGHT mm	1743	1620	1620	1600	1630	1600	1630	1640
WEIGHT Kg	909	1003	1250	1475	1667	1516	1705	2096
FUEL TANK CAPACITY L	240	243	240	250	340	250	240	400
RUNNING TIME at 75% / 100% PRP h	22,8/17,1	17,3/13,0	14,2/10,6	10,4/7,8	15,3/11,5	7,9/5,9	10,0/7,5	13,7/10,3

[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 2004/26/EC Stage IIIA (EU 2011) Directive (no need for subsequent modifications and/or integrations).



GENERATING SET	G5W80D	G5W110D	G5W150D	G5W170D	G5W220D	G5W275D	G5W530D	G5W560D
STAND BY POWER LTP kW/kVA	62,8/78,5	86,5/108,1	113,6/142,0	134,3/167,8	176,0/220,0	220,0/275,0	422,3/527,8	436,8/546,0
PRIME POWER PRP kW/kVA	59,3/74,1	82,0/102,5	102,6/128,2	127,8/159,8	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	400 / 50	400 / 50
PHASES	3	3	3	3	3	3	3	3
ENGINE								
BRAND	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
MODEL	BF4M2012C	BF4M1013EC	BF4M1013FC	BF6M1013EC	BF6M1013FC G2	TC02013L06	BF8M1015C G2	BF8M1015CP
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	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	8 V	8 V
DISPLACEMENT cc	4040	4760	4760	7150	7150	7150	15900	15900
ASPIRATION	Turbo, CAC	Turbo, CAC	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 / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Electronic	Mechanical	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	70,0	96,1	124,0	145,8	193,8	238,0	449,7	475,9
PRIME POWER PRP kW	66,1	91,1	112,0	138,8	175,8	215,0	391,3	433,9
FUEL CONSUMPTION at 75% / 100% PRP L/h	12,8 / 17,1	17,2 / 23,0	21,0 / 28,0	25,9 / 34,5	33,3 / 44,4	38,4 / 51,2	72,3 / 96,4	85,6 / 114,2
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	2200	2200	2200	2600	2650	2650	3300	3300
WIDTH mm	1000	1000	1000	1000	1100	1180	1800	1800
HEIGHT mm	1740	1740	1650	1620	1965	1844	2135	2135
WEIGHT Kg	906	1326	1412	1615	2026	2326	3595	3595
FUEL TANK CAPACITY L	243	240	240	250	400	636	636	636
RUNNING TIME at 75% / 100% PRP h	19,0 / 14,2	13,9 / 10,4	11,4 / 8,5	9,6 / 7,2	12,1 / 9,1	17,0 / 12,4	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

Electronic card

GENERATING SET	G5W275V	G5W330V	G5W415V	G5W450V	G5W510V	G5W560V	G5W590V	G5W630V	G5W705V
STAND BY POWER LTP kW/kVA	220,0/275,0	264,0/330,0	332,9/416,1	350,0/437,0	404,7/505,9	436,8/546,0	480,8/601,0	505,4/631,8	562,0/702,5
PRIME POWER PRP kW/kVA	198,9/248,7	252,0/315,0	303,9/379,8	329,0/411,4	364,3/455,4	403,7/504,7	456,9/571,0	457,4/571,7	505,4/631,8
VOLTAGE Volt / FREQUENCY Hz	400 / 50	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	3
ENGINE									
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD734GE	TAD941GE	TAD1343GE	TAD1344GE	TAD1345GE	TAD1641GE	TAD1642GE	TAD1642GE	TAD1643GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	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	6 in line
DISPLACEMENT cc	7150	9360	12780	12780	12780	16120	16120	16120	16120
ASPIRATION	Turbocharged intercooled								
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	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	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	238,0	310,0	356	389	431	473	536	536	596
PRIME POWER PRP kW	213,0	281,0	325	354	388	430	485	485	536
FUEL CONSUMPTION at 75% / 100% PRP L/h	38,8 / 51,7	48,5 / 64,6	56,0 / 74,0	61,3 / 81,8	67,9 / 90,5	76,0 / 101,4	87,1 / 116,1	87,04 / 116,05	95,2 / 127,0
ALTERNATOR									
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT									
LENGTH mm	2650	3300	3300	3300	3300	3500	3500	3500	3800
WIDTH mm	1180	1400	1400	1400	1460	1500	1500	1500	1670
HEIGHT mm	1844	1887	1917	1917	1965	2120	2120	2120	2320
WEIGHT Kg	2326	2580	3050	3050	3591	3620	3803	3863	4590
FUEL TANK CAPACITY L	636	636	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	16,4 / 12,3	13,1 / 9,8	11,4 / 8,6	10,8 / 7,8	9,3 / 7,0	8,4 / 6,3	7,3 / 5,5	7,3 / 5,5	6,7/5,0



GENERATING SET	GSW310M	GSW330M	GSW405M	GSW440M	GSW515M	GSW570M	GSW665M	GSW730M
STANDBY POWER LTP kW/kVA	247,6/309,5	264,0/330,0	320,7/400,9	349,6/437,0	410,3/512,9	454,0/567,6	529,0/661,3	583,7/729,6
PRIME POWER PRP kW/kVA	224,2/280,2	245,8/307,2	294,5/368,2	319,8/399,7	371,8/464,8	411,7/514,6	480,0/600,0	529,0/661,3
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	MTU	MTU	MTU	MTU	MTU	MTU	MTU	MTU
MODEL	6R1600G70F	6R1600G80F	8V1600G70F	8V1600G80F	10V1600G70F	10V1600G80F	12V1600G70F	12V1600G80F
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	8 V angle	8 V angle	10 V angle	10 V angle	12 V angle	12 V angle
DISPLACEMENT cc	10500	10500	14000	14000	17500	17500	21000	21000
ASPIRATION	Turbocharged intercooled							
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	264	291	343	378	437	482	561	619
PRIME POWER PRP kW	239	262	315	342	396	437	509	561
FUEL CONSUMPTION at 75% / 100% PRP L/h	41,8/55,8	45,6/60,8	54,3/72,4	58,9/78,6	67,2/89,6	74,1/98,8	87,3/116,3	96,2/128,2
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	3300	3300	3300	3300	3800	3800	3800	3800
WIDTH mm	1400	1400	1800	1800	1670	1670	1670	1670
HEIGHT mm	2107	2107	2120	2120	2320	2320	2320	2320
WEIGHT Kg	TBA	TBA	3514	3514	4568	4811	4994	5200
FUEL TANK CAPACITY L	636	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	15,2/11,4	13,9/10,5	11,7/8,8	10,8/8,1	9,5/7,1	8,6/6,4	7,3/5,5	6,6/5,0

# 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	GBW22P
STAND BY POWER LTP kW/kVA	8,2/10,3	11,4/14,3	16,7/20,9	11,3/14,1	16,1/20,1
PRIME POWER PRP kW/kVA	7,9/9,3	11,0/13,8	15,0/19,0	10,2/12,7	14,9/18,6
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	Perkins	Perkins
MODEL	3TNV76	3TNV88	4TNV88	403D-15G	404D-22G
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	3 in line	4 in line
DISPLACEMENT cc	1116	1642	2190	1496	2216
ASPIRATION	Natural	Natural	Natural	Natural	Natural
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	13,3	20,3
PRIME POWER PRP kW	9,0	13,5	17,7	12,0	18,4
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,1 / 2,8	2,7 / 3,6	3,8 / 5,1	2,7 / 3,6	3,8 / 5,1
ALTERNATOR					
TYPE	With brushes	With brushes	With brushes	With brushes	With brushes
POLES	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound	Compound	Compound
OVERALL DIMENSIONS AND WEIGHT					
LENGTH mm	1600	1600	1600	1600	1600
WIDTH mm	870	870	870	870	870
HEIGHT mm	1072	1072	1072	1072	1072
WEIGHT Kg	385	442	473	484	565
FUEL TANK CAPACITY L	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	13,6 / 10,2
NOISE PRESSURE LEVEL at 7 mt dB(A)	67	67	67	70	69
GUARANTEED SOUND POWER LEVEL LWA dB(A)	93	93	93	96	95

# 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	GSW15P	GSW22P
STAND BY POWER LTP kW/kVA	7,7/9,7	12,0/15,0	17,3/21,7	11,5/14,3	17,8/22,2
PRIME POWER PRP kW/kVA	6,9/8,6	11,3/14,2	15,8/19,7	10,3/12,9	16,1/20,1
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	Perkins	Perkins
MODEL	3TNV76	3TNV88	4TNV88	403D-15G	404D-22G
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	3 in line	4 in line
DISPLACEMENT cc	1116	1642	2190	1496	2215
ASPIRATION	Natural	Natural	Natural	Natural	Natural
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	14,9	19,8	13,3	19,8
PRIME POWER PRP kW	9	13,5	18	12	18,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,1 / 2,8	3,0 / 4,0	3,9 / 5,2	2,7 / 3,6	4,0 / 5,3
ALTERNATOR					
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT					
LENGTH mm	1800	1800	1800	1800	1800
WIDTH mm	850	850	850	850	850
HEIGHT mm	1261	1261	1261	1261	1261
WEIGHT Kg	515	597	653	639	692
FUEL TANK CAPACITY L	68	68	68	68	68
RUNNING TIME at 75% / 100% PRP h	31,9 / 24,0	22,6 / 16,9	17,3 / 15,0	25,0 / 18,7	17,0 / 12,8
NOISE PRESSURE LEVEL at 7 mt dB(A)	65	66	66	61	61
GUARANTEED SOUND POWER LEVEL LWA dB(A)	91	92	92	87	87

# GSW SERIES

## PROFESSIONAL ENERGY

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



GENERATING SET	G5W30Y	G5W45Y	G5W30P <sup>(1)</sup>	G5W45P <sup>(1)</sup>
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	765	815	929	977
FUEL TANK CAPACITY L	68	68	68	68
RUNNING TIME at 75% / 100% PRP h	11,0 / 8,3	7,9 / 5,8	13,3 / 7,9	8,7 / 6,5
NOISE PRESSURE LEVEL at 7 mt 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 2004/26/EC Stage IIIA (EU 2011) Directive (no need for subsequent modifications and/or integrations).

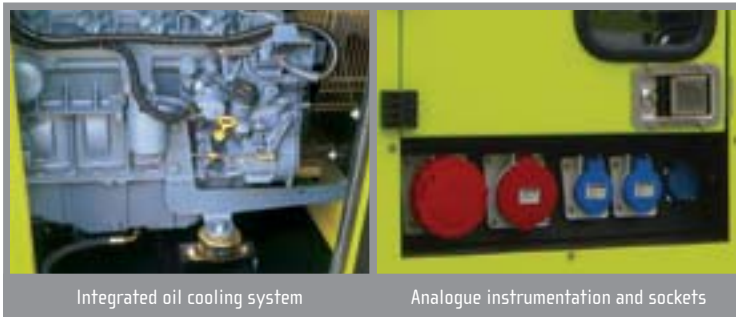


# GSL SERIES

## 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

\*MCP manual control panel with 5 sockets  
(GSL 65 optional)



GENERATING SET	GSL30D	GSL42D	GSL65D
STAND BY POWER LTP kW/kVA	24,2/30,3	33,2/41,5	49,6/61,9
PRIME POWER PRP kW/kVA	23,7/29,6	31,6/39,5	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
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	38,2	56
PRIME POWER PRP kW	27,6	36,4	54
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	2000	2000	2285
WIDTH mm	920	920	920
HEIGHT mm	1310	1310	1310
WEIGHT Kg	810	968	1010
FUEL TANK CAPACITY L	68	68	209
RUNNING TIME at 75% / 100% PRP h	12,5 / 9,3	8,7 / 6,5	19,5 / 14,3
NOISE PRESSURE LEVEL at 7 mt dB(A)	63	63	67
GUARANTEED SOUND POWER LEVEL LWA dB(A)	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.



Lockable door handles

Fuel filter



GENERATING SET	G5W65P <sup>(1)</sup>	G5W80P <sup>(1)</sup>	G5W110P	G5W150P <sup>(1)</sup>	G5W155P	G5W165P <sup>(1)</sup>	G5W170P	G5W210P
STAND BY POWER LTP kW/kVA	50,4/63,0	64,0/80,0	88,0/110,0	120,0/150,0	120,0/150,0	131,7/164,6	132,3/165,4	163,4/204,2
PRIME POWER PRP kW/kVA	47,7/59,6	61,6/77,0	80,1/ 100,1	110,8/138,5	109,5/136,8	119,1/148,9	118,9/148,7	147,5/184,4
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	5990	6680	5990	6680	6680
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	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
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	23,5 / 31,4	22,3 / 29,8	31,6 / 42,2	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	1119	1200	1380	1732	2170	1761	2208	2304
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	14,4 / 10,8	15,2 / 11,4	10,8 / 8,1	14,8 / 10,7	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

<sup>(1)</sup> This Generator is normally intended to be used for stationary application only. In this case, its engine would not have to comply with EU 2004/26/EC Stage IIIA (EU 2011) Directive (no need for subsequent modifications and/or integrations).

# 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	G5W80D	G5W110D	G5W150D	G5W170D	G5W220D	G5W275D	G5W530D	G5W560D
STAND BY POWER LTP kW/kVA	62,8/78,5	86,5/108,1	113,6/142,0	134,3/167,8	176,0/220,0	220,0/275,0	422,3/527,8	436,8/546,0
PRIME POWER PRP kW/kVA	59,3/74,1	82,0/102,5	102,6/128,2	127,8/159,8	163,7/204,6	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	400 / 50	400 / 50
PHASES	3	3	3	3	3	3	3	3
ENGINE								
BRAND	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
MODEL	BF4M2012C	BF4M1013EC	BF4M1013FC	BF6M1013EC	BF6M1013FC G2	TC2013L06	BF8M1015C G2	BF8M1015CP
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	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	8 V angle	8 V angle
DISPLACEMENT cc	4040	4760	4760	7150	7150	7150	15900	15900
ASPIRATION	Turbo, CAC	Turbo, CAC	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 / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Electronic	Mechanical	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	70	96,1	124	145,8	193,8	238,0	449,7	475,9
PRIME POWER PRP kW	66,1	91,1	112	138,8	175,8	215,0	391,3	433,9
FUEL CONSUMPTION at 75% / 100% PRP L/h	12,8 / 17,1	17,2 / 23,0	21,0 / 28,0	25,9 / 34,5	33,3 / 44,4	38,4 / 51,2	72,3 / 96,4	85,6 / 114,2
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	2400	3000	3000	3400	3400	3950	4200	4200
WIDTH mm	1000	1150	1150	1250	1250	1460	1860	1860
HEIGHT mm	1530	1800	1800	1800	2000	2095	2250	2250
WEIGHT Kg	1260	1723	1909	2190	2416	2895	4480	4600
FUEL TANK CAPACITY L	209	340	340	340	340	636	636	636
RUNNING TIME at 75% / 100% PRP h	16,3 / 12,2	19,7 / 14,8	16,2 / 12,1	13,1 / 9,8	10,2 / 7,7	16,6 / 12,4	8,8 / 6,6	7,4 / 5,6
NOISE PRESSURE LEVEL at 7 mt dB(A)	71	71	72	72	68	72	73	75
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	96	97	97	94	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 applications.



GENERATING SET	G5W275V	G5W330V	G5W415V	G5W450V	G5W510V	G5W560V	G5W590V	G5W630V	G5W705V
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	562,0/702,5
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	505,4/631,8
VOLTAGE Volt / FREQUENCY Hz	400 / 50	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	3
ENGINE	Turbocharged intercooled								
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD734GE	TAD941GE	TAD1343GE	TAD1344GE	TAD1345GE	TAD1641GE	TAD1642GE	TAD1642GE	TAD1643GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water	Water	Water
FUEL	Diesel	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	6 in line
DISPLACEMENT cc	7150	9360	12780	12780	12780	16120	16120	16120	16120
ASPIRATION	Turbocharged intercooled								
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	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	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	238	310	356	389	431	473	536	536	596
PRIME POWER PRP kW	213	281	325	334	388	430	485	485	536
FUEL CONSUMPTION at 75% / 100% PRP L/h	38,8 / 51,7	48,5 / 64,6	56,0 / 74,0	61,3 / 81,8	67,9 / 90,5	76,0 / 101,4	87,0 / 116,1	87,0 / 116,1	95,2 / 127,0
ALTERNATOR	Brushless								
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT									
LENGTH mm	3950	3950	3950	3950	3950	4400	4400	4400	4700
WIDTH mm	1460	1460	1460	1460	1460	1560	1560	1560	1670
HEIGHT mm	2095	2095	2095	2095	2095	2250	2250	2250	2430
WEIGHT Kg	2895	3200	3671	3671	4212	4495	4888	4948	5490
FUEL TANK CAPACITY L	636	636	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	16,6 / 12,4	13,1 / 9,8	11,4 / 8,6	10,4 / 7,8	9,4 / 7,0	8,4 / 6,3	7,3 / 5,5	7,3 / 5,5	6,7 / 5,0
NOISE PRESSURE LEVEL at 7 mt dB(A)	72	72	72	73	73	75	76	76	79,5
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	97	97	98	98	100	101	101	104,5

# GSW SERIES

## POWERFUL GENERATION

Heavy duty generators developed with latest technology engines and next-generation electronic devices become a product capable to obtain the maximum performance within the minimum delay, and the highest reliability with the lowest exhaust emissions.



Lockable door handles

LT5 - Load Transfer Switch (motorized)



GENERATING SET	G5W310M	G5W330M	G5W405M	G5W440M	G5W515M	G5W570M	G5W665M	G5W730M
STANDBY POWER LTP kW/kVA	247,6/309,5	264,0/330,0	320,7/400,9	349,6/437,0	410,3/512,9	454,0/567,6	529,0/661,3	583,7/729,6
PRIME POWER PRP kW/kVA	224,2/280,2	245,8/307,2	294,5/368,2	319,8/399,7	371,8/464,8	411,7/514,6	480,0/600,0	529,0/661,3
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	MTU	MTU	MTU	MTU	MTU	MTU	MTU	MTU
MODEL	6R1600G70F	6R1600G80F	8V1600G70F	8V1600G80F	10V1600G70F	10V1600G80F	12V1600G70F	12V1600G80F
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	8 V angle	8 V angle	10 V angle	10 V angle	12 V angle	12 V angle
DISPLACEMENT cc	10500	10500	14000	14000	17500	17500	21000	21000
ASPIRATION	Turbocharged intercooled							
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	264	291	343	378	437	482	561	619
PRIME POWER PRP kW	239	262	315	342	396	437	509	561
FUEL CONSUMPTION at 75% / 100% PRP L/h	41,8/55,8	45,6/60,8	54,3/72,4	58,9/78,6	67,2/89,6	74,1/98,8	87,3/116,3	96,2/128,2
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	4180	4180	4700	4700	4700	4700
WIDTH mm	1460	1460	1800	1800	1670	1670	1670	1670
HEIGHT mm	2175	2175	2160	2160	2430	2430	2430	2430
WEIGHT Kg	3740	3740	4660	4660	5400	5520	5895	6100
FUEL TANK CAPACITY L	636	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	15,2/11,4	13,9/10,5	11,7/8,8	10,8/8,1	9,5/7,1	8,6/6,4	7,3/5,5	6,6/5,0
NOISE PRESSURE LEVEL at 7mt dB(A)	71,5	71,5	71,5	72,5	76	76	76	76
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96,5	96,5	96,5	97,5	101	101	101	101

# 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.



Cylinder head



GENERATING SET	G5W710P	G5W815P	G5W870M
STAND BY POWER LTP kW/kVA	565,0 / 706,0	651,0 / 814,0	697,0 / 871,0
PRIME POWER PRP kW/kVA	511,0 / 639,0	590,0 / 737,0	631,0 / 788,0
NOMINAL VOLTAGE Volt / FREQUENCY	400 / 50	400 / 50	400 / 50
PHASES	3	3	3
ENGINE			
BRAND	Perkins	Perkins	MTU
MODEL	2806A-E18 TAG2	4006-23 TAG2A	12V2000G65
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	6 in line	6 in line	12 V angle
TOTAL DISPLACEMENT cc	18100	22921	23880
AIR INTAKE		Turbocharged Intercooler	
SPEED rpm	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	599	685	733
PRIME POWER PRP kW	542	620	663
FUEL CONSUMPTION at 75% / 100% PRP L/h	97 / 129	120 / 160	125 / 167
ALTERNATOR			
TYPE	Brushless	Brushless	Brushless
POLES	4	4	4
VOLTAGE	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT			
LENGTH (OPEN SET - SOUNDPROOF) mm	3400 - 5080	4330 - 5920	4330 - 5920
WIDTH (OPEN SET - SOUNDPROOF) mm	1540 - 1870	1900 - 1900	1900 - 1900
HEIGHT (OPEN SET - SOUNDPROOF) mm	2050 - 2620	2280 - 2550	2280 - 2550
WEIGHT (OPEN SET - SOUNDPROOF) Kg	4860 - 6410	6200 - 8460	6070 - 7670
FUEL TANK CAPACITY L	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	10,3 / 7,7	8,3 / 6,2	7,9 / 6,0
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70



GENERATING SET	G5W875P	G5W1000M	G5W1120M	G5W1260M
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 Volt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3
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 V angle	12 V angle	18 V angle
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.



Testing room

Special canopy

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	3	3	3	3	3	3	3
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 V angle	12 V angle	12 V angle	12 V angle	12 V angle	12 V angle	12 V angle	12 V angle
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 - 12190	6100 - 12190	6100 - On request	6100 - On request	6100 - On request	6100 - On request
WIDTH (OPEN SET - SOUNDPROOF) mm	2000 - 2200	2000 - 2200	2000 - 2438	2300 - 2458	2300 - On request	2000 - On request	2000 - On request	2000 - On request
HEIGHT (OPEN SET - SOUNDPROOF) mm	2500 - 3780	2500 - 3780	2500 - 4181	2790 - 4181	2790 - On request	2900 - On request	2900 - On request	2900 - On request
WEIGHT (OPEN SET - SOUNDPROOF) Kg	11590 - 14560	12150 - 15120	12430 - 22000	15620 - 24000	15900 - On request	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	GCW2025	GCW2266	GCW2520
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	1618,0 / 2023,0	1814,0 / 2268,0	2016,0 / 2520,0
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	1497,0 / 1872,0	1627,0 / 2033,0	1815,0 / 2269,0
NOMINAL VOLTAGE Volt / FREQUENCY	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
<b>ENGINE</b>								
BRAND	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins
MODEL	4008TAG2A	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4016-61TRG1	4016-61TRG2	4016-61TRG3
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	8 in line	12 V angle	12 V angle	12 V angle	12 V angle	16 V angle	16 V angle	16 V angle
TOTAL DISPLACEMENT cc	30561	45842	45842	45842	45842	61123	61123	61123
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	947	1166	1263	1380	1563	1684	1895	1895
PRIME POWER PRP kW	861	1055	1149	1254	1421	1558	1684	1684
FUEL CONSUMPTION at 75% / 100% PRP L/h	171 / 229	209 / 279	225 / 300	236 / 315	280 / 373	296 / 394	325 / 433	325,0 / 433,0
<b>ALTERNATOR</b>								
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
<b>OVERALL DIMENSIONS AND WEIGHT</b>								
LENGTH (OPEN SET - SOUNDPROOF) mm	4830 - 7260	4800 - 7140	4800 - 7140	4970 - 7550	5620 - 12190	5620 - 8970	5620 - 8970	5700 - On request
WIDTH (OPEN SET - SOUNDPROOF) mm	2050 - 2200	1800 - 2000	1800 - 2000	1800 - 2100	2200 - 2438	2780 - 3000	2780 - 3000	2200 - On request
HEIGHT (OPEN SET - SOUNDPROOF) mm	2460 - 3450	2620 - 3700	2620 - 3700	2660 - 3700	2960 - 4000	3520 - 3820	3520 - 3820	3400 - On request
WEIGHT (OPEN SET - SOUNDPROOF) Kg	8170 - 10110	10290 - 12150	11020 - 13260	11320 - 13560	14140 - 21000	14590 - 17750	14902 - 18064	14590 - On request
FUEL TANK CAPACITY L	1000	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	3,0 / 2,3
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70	- / 70	- / On request	- / On request	- / On request

# 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 Volt / FREQUENCY	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3
ENGINE					
BRAND	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
MODEL	512R-PTA	512R-PTA2	516R-PTA	516R-PTA2	516R-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 V angle	12 V angle	16 V angle	16 V angle	16 V angle
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 - 12190	6200 - 12190	6200 - On request
WIDTH (OPEN SET - SOUNDPROOF) mm	2010 - 2200	2010 - 2200	2030 - 2438	2030 - 2438	2150 - On request
HEIGHT (OPEN SET - SOUNDPROOF) mm	2300 - 3200	2300 - 3200	2410 - 4100	2410 - 4100	2770 - On request
WEIGHT (OPEN SET - SOUNDPROOF) Kg	10500 - 12890	11240 - 14500	12000 - 24000	14060 - 24500	14250 - On request
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	- / On request

# GCW UNITS

## TURNKEY INSTALLATIONS

The GCW units are customized generators specially developed and produced to meet specific customer requests.

All generators are produced in either standard or customized configuration, according to the customer's requirements.

Each machine is also designed to meet the installation requirements.

Listed below are some of these projects.

### Turn key installations

Our specialised staff is able to study and offer turn key 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.

### Soundproof 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 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 BMW 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 which 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 Dabhi and Singapore Grand Prix were fully supported by Pramac generators.

G5W 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 from 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 from 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 the factory.*

# ELECTRICAL EQUIPMENT – MANUAL CONTROL PANELS



## 1-MANUAL ANALOGUE (OPTIONAL)

6BA 7/12/17L Open set



## 2-MANUAL ANALOGUE

6BW 10/22Y-P  
6BW 30/45Y-P Open set



## 3-MANUAL ANALOGUE

65W 10/22P-Y Soundproof  
65L 30/42D Soundproof  
65W 30/45Y-P Soundproof



## 4-MANUAL ANALOGUE

65L 65D Soundproof  
65W 80/110/145/150/170/220D Soundproof  
65W 65/80/110/150/155/165/170/210P Soundproof



## 5-MANUAL ANALOGUE FULL OPTION (UNDER REQUEST)

65A/65L/65W all range up to 220 Open set and Soundproof



## 6-MANUAL DIGITAL

65A 22/30/42/65D Open set  
65L 30/42D Open set  
65W 80/110/145/150/170/220D Open set  
65W 65/80/110P Open set

	1	2	3	4	5	6
<b>EQUIPMENT</b>						
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 65A42/65)
OIL PRESSURE INDICATOR	-	-	-	-	●	- (Standard from 65W220)
<b>ALARMS &amp; SHUTDOWNS</b>						
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 65W80/150/220)	△ (On 65W80/150/220)
FAIL TO START	-	-	-	-	-	●
EXTERNAL SHUTDOWN	△	●	●	●	●	●
<b>PROTECTION DEVICES</b>						
III POLES CIRCUIT BREAKER	●	●	●	●	●	●
IV POLES CIRCUIT BREAKER	-	-	□	□	□	□ (Standard below 60 kVA)
DIFFERENTIAL PROTECTION	-	●	●	●	●	●
INSULATION MONITORING	-	-	-	-	-	-
EMERGENCY STOP BUTTON	□	●	●	●	●	●
<b>OTHER FEATURES</b>						
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 (LTS)	-	-	-	-	-	-
TERMINAL LOW POTENTIAL RELAY CARD	-	-	-	-	-	-
EXTERNAL START/STOP CAPABILITY	□	-	□ (Not available on 65W15-22)	□	□ (Not available on 65W15-22)	□
BATTERY CHARGER OUTPUT	-	-	-	-	-	-
TERMINALS FOR GENSET CUBICLE CONNECTION	-	-	-	-	-	-
CONTACTORS WITH INTERLOCK	-	-	-	-	-	-
5 METERS CONTROL WIRING	-	-	-	-	-	-
<b>SOCKETS</b>						
Schuko socket	-	1 x SCHUKO 230V	1 x SCHUKO 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

# ELECTRICAL EQUIPMENT – AUTOMATIC CONTROL PANELS



## 7-AUTOMATIC DIGITAL

GBW 10/22Y-P  
GBW 30/45Y-P Open set



## 8-AUTOMATIC DIGITAL

GSW 10/22P-Y Soundproof  
G5L 30/42D Open set and Soundproof  
GSW 30/45Y-P Soundproof



## 9-AUTOMATIC DIGITAL

GSA 22/30/42/65D Open set  
G5L 65 D Open set and Soundproof  
GSW 80/110/145/150/170/220D  
Open set and Soundproof  
GSW 65/80/110/150/155/165/170/210P  
Open set and Soundproof



## 10-AUTOMATIC DIGITAL

GSW 275/530/560D Open set and Soundproof  
GSW 275/330/415/450/510/560/590/630/705V  
Open set and Soundproof  
GSW 515/570/665/730M Open set and Soundproof



## 11-AMF DIGITAL

GBA 7L/12L/17L / Open set  
Portable generators [5 and P series]



## 12-AMF DIGITAL

GBW/G5A/G5L/G5W all range up to 220  
Open set and Soundproof



## 13-LTS (LOAD TRANSFER SWITCH PANEL)

All ACP range



## 14-MPP PARALLEL PANEL

GSW all range from 110

7 8 9 10 11 12 13 14

EQUIPMENT	7	8	9	10	11	12	13	14
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	●	●	●	●	●	●	-	●
HOURLMETER	●	●	●	●	●	●	-	●
BATTERY VOLTAGE AND INTENSITY	●	●	●	●	●	●	-	●
SPEED	●	●	●	●	-	●	-	●
POWER (KVA, KW, KVAR, cosφ)	-	●	●	●	-	●	-	●
FUEL LEVEL	-	●	●	●	-	●	-	●
ENGINE TEMPERATURE	-	● (Only G5L)	● (Only DEUTZ, not on G5A42/65)	●	-	● (Only DEUTZ, not on G6 and on G5A42/65)	-	●
OIL PRESSURE INDICATOR	-	-	- (Standard from G5W220)	●	-	- (Standard from G5W220)	-	●
<b>ALARMS &amp; SHUTDOWNS</b>								
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 G6)	-	△
LOW OIL PRESSURE	△	△	△	△	△	△	-	△
HIGH ENGINE TEMPERATURE	△	△	△	△	△	△	-	△
LOW COOLANT LEVEL	-	△	△ (On G5W65/80/150/220)	△	-	△ (On G5W65/80/150/220)	-	△
FAIL TO START	●	●	●	●	●	●	-	●
EXTERNAL SHUTDOWN	●	●	●	●	●	●	-	●
<b>PROTECTION DEVICES</b>								
III POLES CIRCUIT BREAKER	●	●	●	●	-	-	-	●
IV POLES CIRCUIT BREAKER	-	□	□	□	-	-	-	□
DIFFERENTIAL PROTECTION	●	●	●	●	-	-	-	●
INSULATION MONITORING	-	-	-	-	-	-	-	-
EMERGENCY STOP BUTTON	●	●	●	●	●	●	●	●
<b>OTHER FEATURES</b>								
ACUSTIC ALARM	-	●	●	●	●	●	-	●
PHASE DETECTOR	●	●	●	●	●	●	-	●
BATTERY CHARGER	●	●	●	●	●	●	-	●
CANBUS COMMUNICATION	-	-	- (On G5W150/220 & Perkins from G5W110)	●	-	- (On G5W150/220)	-	●
RS232 COMMUNICATION PORT	□	●	●	●	-	●	-	●
GSM COMMUNICATION DEVICE	-	□	□	□	-	□	-	□
RS485 / ETHERNET COMMUNICATION PORT	-	□	□	□	-	□	-	□
EXTERNAL TERMINAL BOARD FOR LOAD CONNECTION	-	□	□	●	-	-	-	●
TERMINALS FOR AN EXTERNAL PANEL CONNECTION (LTS)	●	●	●	●	-	-	-	●
TERMINAL LOW POTENTIAL RELAY CARD	-	□	□	□	-	-	-	□
EXTERNAL START/STOP CAPABILITY	●	●	●	□	●	●	-	□
BATTERY CHARGER OUTPUT	-	-	-	-	-	-	-	-
TERMINALS FOR GENSET CUBICLE CONNECTION	-	-	-	-	●	●	●	-
CONTACTORS WITH INTERLOCK	-	-	-	-	●	●	●	-
5 METERS CONTROL WIRING	-	-	-	-	●	●	●	-
MOTORIZED CHANGEOVER < 160 Amp	-	-	-	-	-	-	●	●
<b>SOCKETS</b>								
Schucko socket	-	□	□	□ (Only Soundproof sets)	-	-	-	-
Single phase CEE socket	-	□	□	□ (Only Soundproof sets)	-	-	-	-
Three phase CEE socket	-	-	□	□ (Only Soundproof sets)	-	-	-	-
			1 x 400V 3P+N+T CE. 1 x 400V 3P+N+T CE.					

\* Different versions available

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

# ACCESSORIES & OPTIONALS

## PORTABLE GENSETS

### STANDARD

Magneto Thermal protection (S Petrol series – except 53200, 55000 and 58000 single phase with thermal protection - SP, P and W/WP series)  
Overtemperature protection (P11000 Diesel, P6000s, Pinverter)  
Oil guard system (Honda engine driven and P6000s, P11000)  
Oil pressure indicator (P9000, 59000)  
Automatic VOLTAGE Regulation (SP series)  
Voltmeter (WP180, WP230, P series, SP12000, S Diesel series - except 59000)  
Battery charger (S series - except 53200, 512000, 59000)  
Hourmeter (SP series, P11000, P12000 Diesel)  
Lifting Kit/ Hook (P series except P4500)  
Double positive welding sockets – with additional resistance (W/WP series)

### OPTIONALS\*

Hourmeter  
Transportation kit  
Differential protection  
Insulation Monitoring  
Automatic VOLTAGE Regulation  
Automatic Mains Failure  
Remote Control  
Connector for AMF/R55  
Lifting Kit/ Hook  
Small wheel transportation kit  
Voltmeter  
SAS Sensitive Auto Start  
Cover for portable generators dimensions (L x W x H) 80 x 58 x 57 cm  
Welding kit  
  
Inlet/outlet pipes for motor pumps

*\* depending on models*

## STATIONARY GENSETS

### 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 exhaust compensator (not available on GBA)

### SOUNDPROOF

Socket kits  
Rental kit (only on G5 series below G5W275V)  
Fully bundled 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 40kVA)

### OPTIONALS\*

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

*\* depending on models*



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Paolo Campinoti CEO



**2011 MotoGP World Championship**



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