

PRODUCT CATALOGUE



ENERGY GENERATION

WORLDWIDE

Pramac Group operates through a proprietary distribution network in 15 countries.

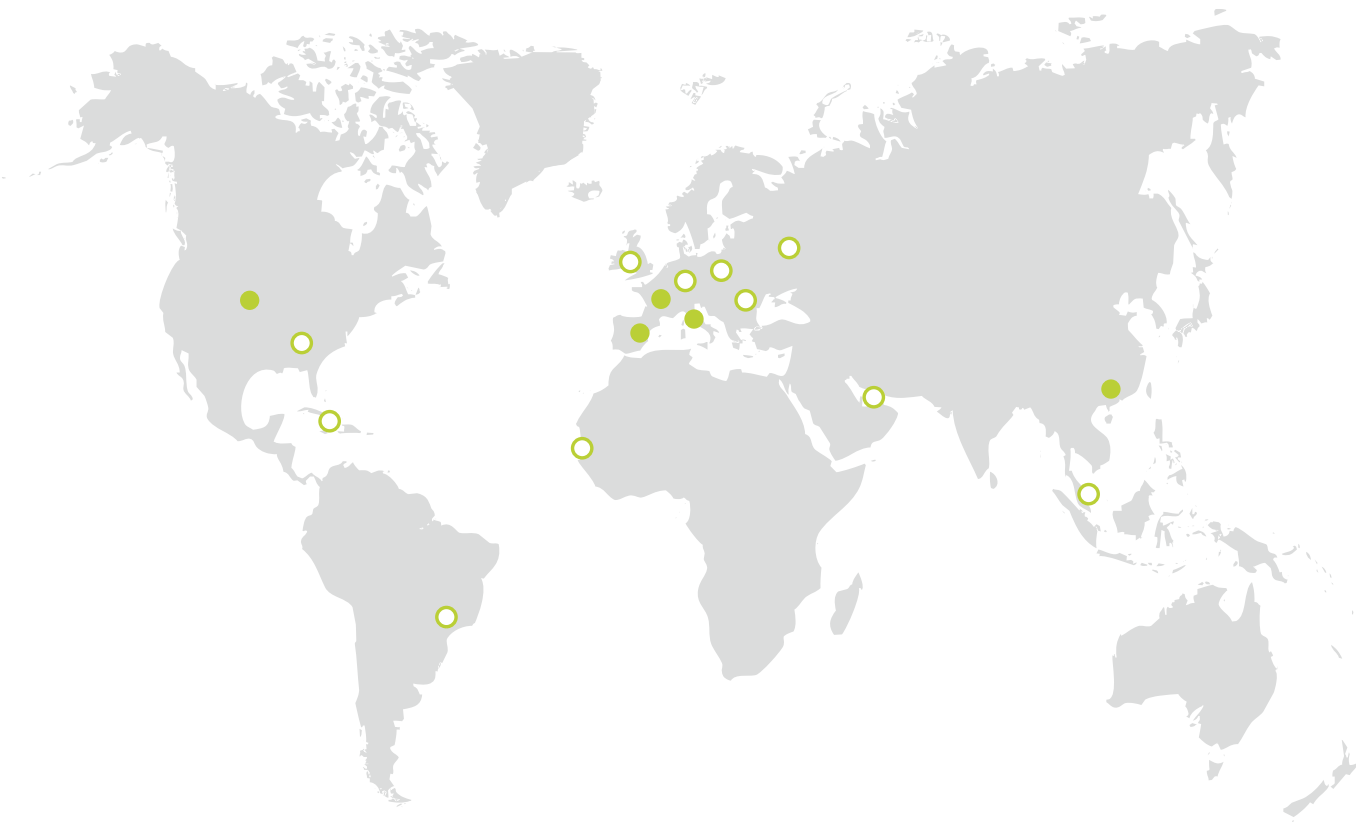
BUSINESS AREA

PRAMAC GENERATORS

PRAMAC LIFTER

PRAMAC SERVICE & PARTS

PRAMAC RACING



PRAMAC history starts in 1966, when the Campinoti family founded L'Europea, a construction equipment company focused mainly in the Italian market. From then onwards PRAMAC has been expanding its activity in the energy and material handling sector, continuously growing on a global base with a wide and flexible product range to satisfy customers' energy needs in the world.

PRAMAC nowadays means ENERGY GENERATION by the integration of several markets realities that is gensets either portable and stationary and materials handling equipment.

- Production and Commercial Branch
- Commercial Branch

ADDED VALUES

PRAMAC R&D department means to produce competitive innovation.

PRAMAC pursues innovation through close collaboration with universities and private parties.

Quality is a PRAMAC priority: from raw materials supply to product production and manufacturing process, from marketing to commercial and after sales activities.

ISO 9001 and ISO 14001 are among the several compliancy certificates obtained throughout the world.

Each PRAMAC branch has its own PRAMAC Service & parts division trained to provide updated expertise and after sales service for any kind of emergency.

PRAMAC web portal www.pramacparts.com offers a complete pack of information concerning both spares or technical manuals.







Generators

ENERGY GENERATION

PRAMAC is a worldwide company specialized in the manufacturing and commercialization of a wide range of products in gensets and material handling 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 of 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.

In the genset 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

SERVICE & PARTS

The after sales service supports our customers at every stage of the professional relationship, with an incredibly wide range of spare parts and components and a highly trained professional after sales team, answering requests worldwide.

We ensure a quick service with a high level of parts availability, taking advantage of our international approved service network comprising technically skilled personnel, with outlets worldwide which can be searched via our "Network Point Locator" at www.pramacparts.com

Following registration, you will have access to exploded diagrams of spare parts and on-line purchasing.

Upon entering our website you will also find a wide range of information and technical documentation, offering you quick and efficient solutions, representing in fact a fundamental tool in answering user's requirements:

- User manuals;
- Maintenance programs;
- Technical training activities;
- Service network point locator;
- Technical support and spare parts online service;
- Additional technical documentation;
- S&P catalogues and pricelist.





Special offer on spare parts kit



On-line spare parts
order and interactive
spare parts
catalogues

Service support



Worldwide
approved
service
network

Planned preventive maintenance



Personalised
solutions
with 24/7
on call service

Training program



Dedicated training
programs for users,
maintenance and
after sales service

PRODUCT RANGE

PORTABLE RANGE GENSETS



E SERIES

Pag. 9
Pag. 10



ES SERIES

Pag. 11



S SERIES

Pag. 12
Pag. 13



SP SERIES

Pag. 14



P INVERTER SERIES

Pag. 15



P SERIES

Pag. 16
Pag. 17

PORTABLE RANGE POWER EQUIPMENT



W SERIES
WELDER GENERATORS

PW SERIES
HIGH PRESSURE WASHERS

Pag. 18



TG SERIES
PTO SHAFT GENERATORS

Pag. 19



MP SERIES
MOTOR PUMPS

Pag. 20



LIGHT GLOBE
LIGHT TOWER

Pag. 21

STATIONARY RANGE OPEN VERSION



GBA 7-17

Pag. 23



GBW 10-45

Pag. 24
pag. 25



GSA 22-65

Pag. 26



GSL 22-65

Pag. 27



GSW 65-210
GSW 65-220

Pag. 28
Pag. 29



GSW 110-330
GSW 415-705

Pag. 30
Pag. 31



GSW 310-730

Pag. 32

STATIONARY RANGE SOUNDPROOF VERSION



GBW 10-22

Pag. 33



GSW 10-22
GSW 30-45

Pag. 34
Pag. 35



GSL 22-65

Pag. 36



GSW 65-210

Pag. 37



GSW 110-330
GSW 415-705

Pag. 38
Pag. 39



GSW 65-220

Pag. 40



GSW 310-730

Pag. 41

PRODUCT RANGE

STATIONARY RANGE



GSW HIGHER POWER 815-1510

GSW HIGHER POWER 1650-2520

Pag. 42

Pag. 43



GSW HIGHER POWER 870-1500

GSW HIGHER POWER 1770-2600

Pag. 44

Pag. 45



GCW UNITS

Pag. 46

CUSTOMIZED REFERENCE PROJECT

Pag. 47

ACCESSORIES & OPTIONALS

PORTABLE GENSETS

Pag. 48

STATIONARY GENSETS

Pag. 49

ELECTRICAL EQUIPMENT

MANUAL CONTROL PANELS

Pag. 50

AUTOMATIC CONTROL PANELS

Pag. 51

ELECTRICAL EQUIPMENT

Pag. 52

STATIONARY RANGE ENGINE LEGENDA

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

FLEXIBILITY = **F**

Available engine version for mobile application

E SERIES

ESSENTIAL ENERGY

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



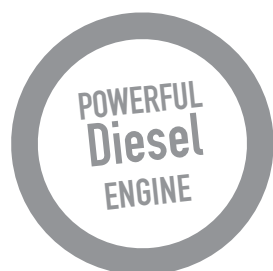
GENERATING SET	E3200	E4000	E5000	E5000	E8000	E8000
	Single phase	Single phase	Single phase	Three phase	Single phase	Three phase
THREE PHASE						
[POWER LTP] kW/kVA				5,0/6,3		6,6/8,3
[POWER COP] kW/kVA				4,3/5,4		5,6/7,0
SINGLE PHASE						
[POWER LTP] kW/kVA	2,6/2,9	3,1/3,4	4,6/5,1	3,7/4,2	6,4/7,2	4,9/5,5
[POWER COP] kW/kVA	2,2/2,5	2,6/2,9	3,9/4,2	2,8/3,1	5,5/6,0	3,7/4,1
POWER SPECIFICATIONS						
VOLTAGE Volt	230	230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50	50
POWER FACTOR cosΦ	0,9	0,9	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE						
BRAND	Honda	Honda	Honda	Honda	Honda	Honda
MODEL	GX160	GX200	GX270	GX270	GX390	GX390
FUEL	Petrol	Petrol	Petrol	Petrol	Petrol	Petrol
DISPLACEMENT cc	163	196	270	270	389	389
SPEED rpm	3000	3000	3000	3000	3000	3000
CYLINDER	1 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
CONSUMPTION						
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
NOISE EMISSION						
NOISE PRESSURE LEVEL at 7 m dB(A)	71	71	72	72	72	72
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	96	97	97	97	97
DIMENSIONS AND WEIGHT						
LENGTH mm	640	640	715	715	750	750
WIDTH mm	458	458	540	540	578	578
HEIGHT mm	400	400	490	490	531	531
WEIGHT [dry] Kg	38	36	61	74	72	75
SOCKET TYPE						
	2 x SCHUKO	2 x SCHUKO	2 x SCHUKO	1 x 230V 16A 1 x 400V 16A	1 x SCHUKO 1 x 230V 32A	1 x 230V 16A 1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION						
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 54	IP 54	IP 44	IP 44	IP 44

COP Continuous Power - LTP Maximum Power

E SERIES

ESSENTIAL ENERGY

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



GENERATING SET	E4500*	E4500*	E6500*	E6000*
	Single phase	Three phase	Single phase	Three phase
THREE PHASE				
[POWER LTP] kW/kVA		3,7/4,7		5,5/6,9
[POWER COP] kW/kVA		3,2/4,0		4,5/5,7
SINGLE PHASE				
[POWER LTP] kW/kVA	3,5/3,9	2,8/3,1	5,3/5,9	4,1/4,6
[POWER COP] kW/kVA	3,0/3,3	2,0/2,3	4,4/4,8	3,2/3,5
POWER SPECIFICATIONS				
VOLTAGE Volt	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50
POWER FACTOR cosΦ	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE				
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
CONSUMPTION				
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
NOISE EMISSION				
NOISE PRESSURE LEVEL at 7 m dB(A)	76	76	80	80
GUARANTEED SOUND POWER LEVEL LWA dB(A)	101	101	105	105
DIMENSIONS AND WEIGHT				
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
SOCKET TYPE				
	2 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x 230V 16A
		1 x 400V 16A	1 x 230V 32A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION				
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23
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.

11 Liters
tank
capacity



AVR

Transportation kit

AVR Optional

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

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.

AVR option
available



Remote Start/Stop wireless with connector



Automatic mains failure



GENERATING SET	S5000	S5000	S8000	S8000	S12000	S12000
	Single phase	Three phase	Single phase	Three phase	Single phase	Three phase
THREE PHASE						
[POWER LTP] kW/kVA		5,0/6,3		6,6/8,3		11,1/13,9
[POWER COP] kW/kVA		4,3/5,4		5,6/7,0		9,5/11,8
SINGLE PHASE						
[POWER LTP] kW/kVA	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	4,0/4,1	2,8/3,1	5,5/6,0	3,7/4,1	9,1/10,0	6,3/6,9
POWER SPECIFICATIONS						
VOLTAGE Volt	230	400/230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50	50
POWER FACTOR cosΦ	0,9	0,8/0,9	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE						
BRAND	Honda	Honda	Honda	Honda	Honda	Honda
MODEL	GX270	GX270	GX390	GX390	GX630	GX630
FUEL	Petrol	Petrol	Petrol	Petrol	Petrol	Petrol
DISPLACEMENT cc	270	270	389	389	688	688
SPEED rpm	3000	3000	3000	3000	3000	3000
CYLINDER	1 inclined	1 inclined	1 inclined	1 inclined	2 V angle	2 V angle
COOLING SYSTEM	Air	Air	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (12 Volt)	Electric/Recoil	Electric/Recoil	Electric/Recoil	Electric/Recoil	Electric	Electric
CONSUMPTION						
FUEL CONSUMPTION at 75% of load L/h	1,6	1,6	2,2	2,1	3,9	3,9
FUEL TANK CAPACITY L	18	18	18	18	24	24
RUNNING TIME at 75% of load h	11,0	11,0	8,4	8,4	6,1	6,1
NOISE EMISSION						
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	97	97	97	96	96
NOISE PRESSURE LEVEL at 7 mt dB(A)	71	71	72	72	70	70
DIMENSIONS AND WEIGHT						
LENGTH mm	842	842	842	842	960	960
WIDTH mm	523	523	523	523	641	641
HEIGHT mm	557	557	557	557	667	667
WEIGHT (dry) Kg	76	88	96	99	162	165
SOCKET TYPE						
	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO
	1 x 230V 32A	1 x 400V 16A	1 x 230V 32A	1 x 400V 16A	1 x 230V 16A	2 x 230V 16A
					1 x 230V 32A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION						
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44

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.



Remote Start/Stop wireless with connector



Automatic mains failure



GENERATING SET	S6500*	S6000*	S9000*	S9000*
	Single phase	Three phase	Single phase	Three phase
THREE PHASE				
[POWER LTP] kW/kVA		5,5/6,9		8,2/10,3
[POWER COP] kW/kVA		4,5/5,6		7,0/8,8
SINGLE PHASE				
[POWER LTP] kW/kVA	5,3/5,9	2,9/3,2	7,9/8,8	3,4/3,8
[POWER COP] kW/kVA	4,4/4,8	2,7/3,0	6,8/7,6	3,0/3,3
POWER SPECIFICATIONS				
VOLTAGE Volt	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50
POWER FACTOR cosΦ	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE				
BRAND	Yanmar	Yanmar	Lombardini	Lombardini
MODEL	L100N	L100N	25LD330	25LD330
FUEL	Diesel	Diesel	Diesel	Diesel
DISPLACEMENT cc	435	435	654	654
SPEED rpm	3000	3000	3000	3000
CYLINDER	1 vertical	1 vertical	2 in line	2 in line
COOLING SYSTEM	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (12 Volt)	Electric	Electric	Electric	Electric
CONSUMPTION				
FUEL CONSUMPTION at 75% of load L/h	1,4	1,4	2,0	2,0
FUEL TANK CAPACITY L	5,4	5,4	24,0	24,0
RUNNING TIME at 75% of load h	3,9	3,9	12,0	12,0
NOISE EMISSION				
GUARANTEED SOUND POWER LEVEL LWA dB(A)	105	105	105	105
NOISE PRESSURE LEVEL at 7 mt dB(A)	80	80	80	80
DIMENSIONS AND WEIGHT				
LENGTH mm	830	830	960	960
WIDTH mm	490	490	641	641
HEIGHT mm	570	570	667	667
WEIGHT (dry) Kg	99	108	157	160
SOCKET TYPE				
	1 x SCHUKO	2 x SCHUKO	1 x SCHUKO	1 x SCHUKO
	1 x 230V 16A	1 x 230V 16A	1 x 230V 32A	1 x 400V 16A
	1 x 230V 32A	1 x 400V 16A		
ALTERNATOR AND SOCKET PROTECTION				
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44

* Equipment only for stationary installations - COP Continuous Power - LTP Maximum Power

SP SERIES

THE COMPLETE PROTECTION

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



IP 54 isometer panel



Lifting kit



GENERATING SET	SP8000	SP12000
	Three phase	Three phase
THREE PHASE		
[POWER LTP] kW/kVA	7,1/8,8	11,1/13,8
[POWER COP] kW/kVA	5,4/6,8	9,4/11,8
SINGLE PHASE		
[POWER LTP] kW/kVA	5,2/5,8	8,2/9,1
[POWER COP] kW/kVA	3,6/4,0	6,2/7,0
POWER SPECIFICATIONS		
VOLTAGE Volt	400/230	400/230
FREQUENCY Hz	50	50
POWER FACTOR cosΦ	0,8/0,9	0,8/0,9
ENGINE		
BRAND	Honda	Honda
MODEL	GX390	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
CONSUMPTION		
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
NOISE EMISSION		
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	96
NOISE PRESSURE LEVEL at 7 mt dB(A)	72	70
DIMENSIONS AND WEIGHT		
LENGTH mm	842	960
WIDTH mm	523	641
HEIGHT mm	557	667
WEIGHT (dry)** Kg	113	170
SOCKET TYPE		
	1 x 230V 16A	3 x SCHUKO
	1 x 400V 16A	1 x 400V 16A
		1 x 400V 32A
ALTERNATOR AND SOCKET PROTECTION		
ELECTRIC PROTECTION	IP 54	IP 54
SOCKET PROTECTION	IP 54	IP 54

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

P INVERTER SERIES

THE ACCURATE ENERGY

The right power to supply equipment sensitive to voltage surges.

Weight
21 Kg



GENERATING SET	P2000i	P3000i	P4500i
	Single phase	Single phase	Single phase
THREE PHASE			
[POWER LTP] kW/kVA			
[POWER COP] kW/kVA			
SINGLE PHASE			
[POWER LTP] kW/kVA	1,65/1,65	2,80/2,80	4,30/4,30
[POWER COP] kW/kVA	1,35/1,35	2,50/2,50	3,80/3,80
POWER SPECIFICATIONS			
VOLTAGE Volt	230	230	230
FREQUENCY Hz	50	50	50
POWER FACTOR cosΦ	1,0	1,0	1,0
ENGINE			
BRAND	Robin	Robin	Robin
MODEL	EH09-2	EX17	EX27
FUEL	Petrol	Petrol	Petrol
DISPLACEMENT cc	86	169	265
SPEED	variable	variable	variable
CYLINDER	1 vertical	1 inclined	1 inclined
COOLING SYSTEM	Air	Air	Air
STARTING SYSTEM	Recoil	Recoil	Electric
CONSUMPTION			
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
NOISE EMISSION			
NOISE PRESSURE LEVEL at 7 m dB(A)	59	58	62
GUARANTEED SOUND POWER LEVEL LWA dB(A)	91	90	93
DIMENSIONS AND WEIGHT			
LENGTH mm	490	537	580
WIDTH mm	295	482	527
HEIGHT mm	445	583	618
WEIGHT [dry] Kg	21	54	74
SOCKET TYPE			
	2 x SCHUKO	2 x SCHUKO	2 x SCHUKO
	Battery charger 12V 8,3A	Battery charger 12V 8,3A	Battery charger 12V 8,3A
ALTERNATOR AND SOCKET PROTECTION			
ELECTRIC PROTECTION	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 54	IP 54	IP 44

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

AVR



P4500



P9000



GENERATING SET	P4500	P6000	P6000	P6000s	P6000s	P9000	P9000
	Single phase	Single phase	Three phase	Single phase	Three phase	Single phase	Three phase
THREE PHASE							
[POWER LTP] kW/kVA			5,5/6,9		5,5/6,9		8,2/10,3
[POWER COP] kW/kVA			4,5/5,6		4,5/5,6		7,0/8,8
SINGLE PHASE							
[POWER LTP] kW/kVA	3,7/4,1	5,3/5,9	2,6/2,9	5,4/5,9	2,9/3,2	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	2,7/3,0	6,8/7,6	3,0/3,3
POWER SPECIFICATIONS							
VOLTAGE Volt	230	230	400/230	230	400/230	230	400/230
FREQUENCY Hz	50	50	50	50	50	50	50
POWER FACTOR cosΦ	0,9	0,9	0,8/0,9	0,9	0,8/0,9	0,9	0,8/0,9
ENGINE							
BRAND	Yanmar	Yanmar	Yanmar	Yanmar	Yanmar	Lombardini	Lombardini
MODEL	L70N	L100N	L100N	L100N	L100N	25L0330	25L0330
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
CONSUMPTION							
FUEL CONSUMPTION at 75% of load L/h	1,0	1,4	1,4	1,4	1,4	2,0	2,0
FUEL TANK CAPACITY L	18	24	24	19	19	24	24
RUNNING TIME at 75% of load h	18,0	17,1	17,1	13,6	13,6	12,0	12,0
NOISE EMISSION							
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	93	93	84	84	97	97
NOISE PRESSURE LEVEL at 7 mt dB(A)	71	67	67	58	58	72	72
DIMENSIONS AND WEIGHT							
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
SOCKET TYPE							
	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO	1 x SCHUKO
	1 x 230V 16A	1 x 230V 16A	2 x 230V 16A	1 x 230V 16A	1 x 230V 16A	1 x 230V 16A	2 x 230V 16A
	1 x 230V 32A	1 x 230V 32A	1 x 400V 16A	1 x 230V 32A	1 x 400V 16A	1 x 230V 32A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION							
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44

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

P SERIES

THE SILENT POWER (II)

Low noise level, AMF or R55 features and powerful, reliable Diesel engines. These generators are ideal for domestic backup power supply or professional use in residential areas.



P11000

P12000 Diesel



GENERATING SET	P11000	P11000	P12000	P12000	P12000
	Single phase	Three phase	Single phase	Three phase	Three phase
THREE PHASE					
[POWER LTP] kW/kVA		8,5/10,6		12,6/15,8	11,1/13,9
[POWER COP] kW/kVA		8,0/10,0		8,8/11,0	9,5/11,8
SINGLE PHASE					
[POWER LTP] kW/kVA	9,5/10,6	5,3/6,6	10,7/11,9	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
POWER SPECIFICATIONS					
VOLTAGE Volt	230	400/230	230	400/230	400/230
FREQUENCY Hz	50	50	50	50	50
POWER FACTOR cosΦ	0,9	0,8/0,9	0,9	0,8/0,9	0,8/0,9
ENGINE					
BRAND	Yanmar	Yanmar	Honda	Hatz	Honda
MODEL	3TNV70	3TNV70	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
CONSUMPTION					
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
NOISE EMISSION					
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
DIMENSIONS AND WEIGHT					
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
SOCKET TYPE					
	2 x 230V 16A	1 x 230V 16A	1 x SCHUKO	1 x 230V 16A	1 x SCHUKO
	1 x 230V 32A	1 x 230V 32A	1 x 230V 16A	1 x 230V 32A	2 x 230V 16A
		1 x 400V 16A	1 x 230V 32A	1 x 400V 16A	1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION					
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44

W SERIES / PW SERIES

MECHANIC WELDING REGULATION

DIRECT AND GEARBOX TRANSMISSION



WELDER GENERATORS		W220
WELDING PARAMETERS		
WELDING CURRENT A		40-220
MIN/MAX WELDING VOLTAGE		21,6/28,8
WELDING SERVICE at 60% A		170
MAX DIAMETER OF ELECTRODE		
RUTILE mm		5
BASIC mm		5
CELLULOSE mm		5
THREE PHASE		
POWER (LTP) kW/kVA		5,5/6,1
POWER (COP) kVA		5,2
SINGLE PHASE		
POWER (LTP) kW/kVA		2,4/2,7
POWER (COP) kVA		2,3
POWER SPECIFICATIONS		
VOLTAGE Volt		400/230
FREQUENCY Hz		50
POWER FACTOR cosΦ		0,8/0,9
ENGINE		
BRAND		Honda
MODEL		GX390
FUEL		Petrol
DISPLACEMENT cc		389
SPEED rpm		3000
CYLINDER		1 inclined
COOLING SYSTEM		Air
STARTING SYSTEM		Recoil
CONSUMPTION		
CONSUMPTION at 75% of load L/h		2,2
TANK CAPACITY L		6,1
RUNNING TIME at 75% of load h		2,8
NOISE EMISSION		
NOISE LEVEL LWA dB(A)		97
ACOUSTIC PRESSURE at 7 m dB(A)		72
DIMENSIONS AND WEIGHT		
LENGTH mm		875
WIDTH mm		620
HEIGHT mm		600
WEIGHT (dry) Kg		80
SOCKET TYPE		
		1 x SCHUKO
		1 x 400V 16A
ALTERNATOR AND SOCKET PROTECTION		
ELECTRIC PROTECTION		IP 23
SOCKET PROTECTION		IP 44

COP Continuous Power - LTP Maximum Power



HIGH PRESSURE WASHERS	PW240	PW3000
PUMP		
MAX PRESSURE bar/psi	240/3500	200/2900
FLOW L/min	12,5	15,0
SPEED rpm	3400	1450
ENGINE		
BRAND	Honda	Yanmar
MODEL	GX390	L100N
FUEL	Petrol	Diesel
DISPLACEMENT cc	389	435
CYLINDER	1 inclined	1 vertical
COOLING SYSTEM	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (12 Volt)	Recoil	Electric
CONSUMPTION		
CONSUMPTION at 75% of load L/h	2,0	1,5
TANK CAPACITY L	6,1	5,4
RUNNING TIME at 75% of load h	3,0	3,6
NOISE EMISSION		
NOISE LEVEL LWA dB(A)	103	108
ACOUSTIC PRESSURE at 7 m dB(A)	78	83
DIMENSION AND WEIGHT		
LENGTH mm	951	1040
WIDTH mm	765	590
HEIGHT mm	655	790
WEIGHT (dry) Kg	68	117
STANDARD EQUIPMENT, OPTIONS AND ACCESSORIES (x: Standard, o: Optional)		
OIL GUARD SYSTEM	x	
2:1 GEAR BOX		x
DIRECT DRIVE	x	
CHEMICAL INJECTION	x	x
PRESSURE HOSE	x	x
SUCTION HOSE WITH STRAINER		x
INLINE FILTER	x	x

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
THREE PHASE											
(POWER COP) kVA	12	16	20	25	25	27	30	42	48	62	72
SINGLE PHASE											
(POWER COP) kVA	6	8	8,5	8,5	8,5	8,5	12	14,7	16,7	21,6	25,2
POWER SPECIFICATIONS											
VOLTAGE Volt	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230	400/230
FREQUENCY Hz	50	50	50	50	50	50	50	50	50	50	50
GEAR BOX REVOLUTION rpm	3000	3000	3000	3000	1500	1500	1500	1500	1500	1500	1500
POWER (TRACTOR) kW/HP	22/30	29/40	37/50	44/60	44/60	48/65	51/70	74/100	88/120	103/140	118/160
REVOLUTION PTO SHAFT rpm	435	435	435	435	430	430	430	395	395	395	395
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound	Compound	AVR	AVR	AVR	AVR	AVR	AVR	AVR
VOLTAGE ACCURACY	5%	5%	5%	5%	1,5%	1,5%	1,5%	0,5%	0,5%	0,5%	0,5%
DIMENSIONS AND WEIGHT											
LENGTH mm	746	746	958	958	958	958	958	1110	1110	1110	1110
WIDTH mm	580	580	645	645	645	645	645	720	720	720	720
HEIGHT mm	958	958	1003	1003	1003	1003	1003	1322	1322	1322	1322
WEIGHT (dry) Kg	123	134	160	166	200	212	216	385	390	430	470
STANDARD EQUIPMENT, OPTIONS AND ACCESSORIES (x: Standard, o: Optional)											
MAGNETO THERMAL PROTECTION	x	x	x	x	x	x	x	x	x	x	x
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	x	x	x	x	x	x	x	x	x	x	x
MIN-MAX VOLTAGE CONTROLLER	x	x	x	x	x	x	x	x	x	x	x
SOCKET TYPE											
	1 x 230V 16A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A	1 x 230V 32A
	1 x 400V 16A	1 x 400V 32A	1 x 400V 32A	1 x 400V 63A	1 x 400V 63A	1 x 400V 63A	1 x 400V 63A	1 x 400V 63A	1 x 400V 63A	1 x 400V 125A	1 x 400V 125A
ALTERNATOR AND SOCKET PROTECTION											
ELECTRIC PROTECTION	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23	IP 23
SOCKET PROTECTION	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44

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

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



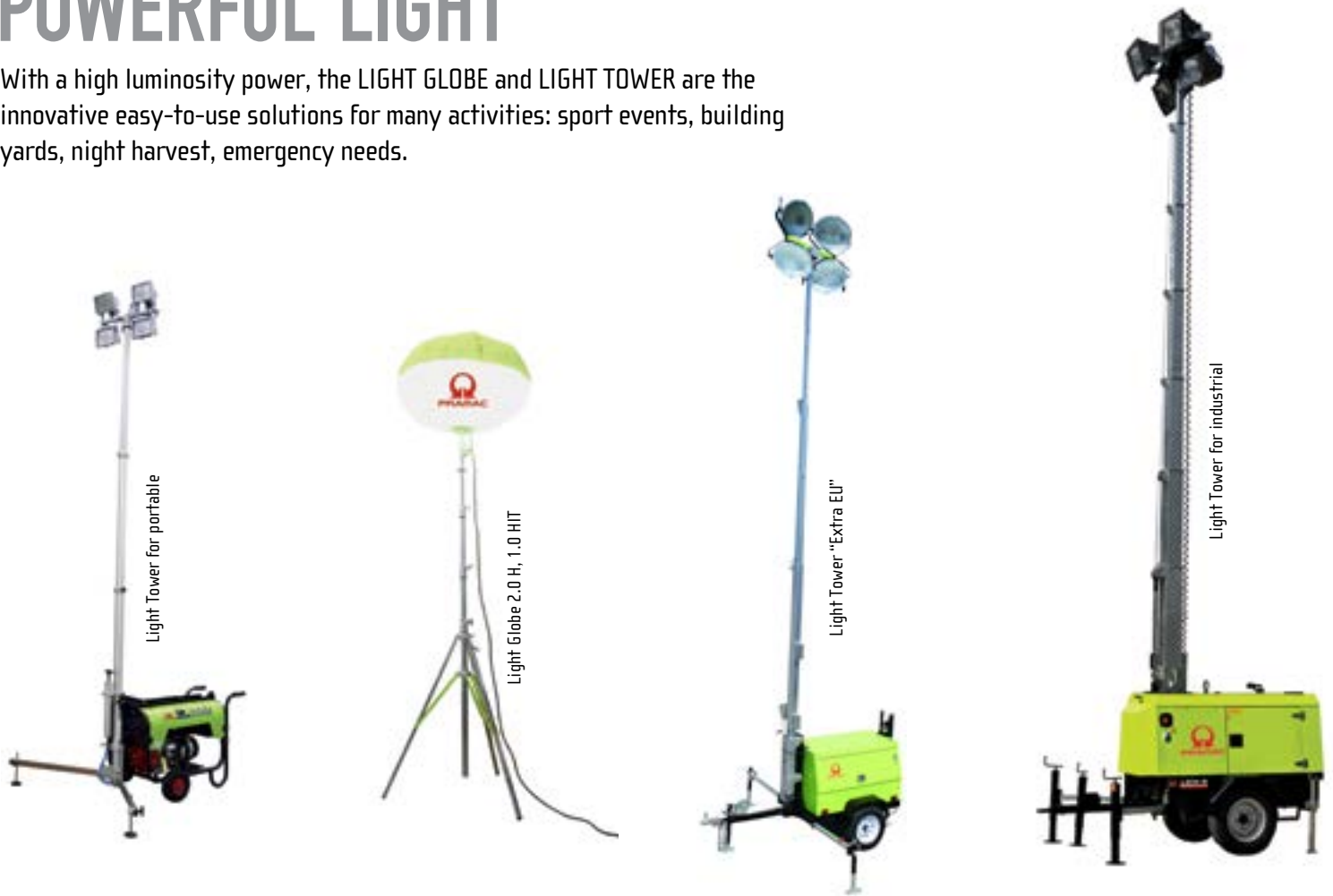
MOTOR PUMPS	MP36-2	MP56-3	MP34-2	MP66-3
PUMP				
TYPE	Semitrash	Semitrash	Trash	Trash
HEAD m	30	26	30	27
FLOW L/min	600	930	700	1340
SPEED rpm	3600	3600	3600	3600
INPUT/OUTPUT DIAMETER inch	2	3	2	3
MAX DIAMETER ALLOWED mm			20	27
ENGINE				
BRAND	Honda	Honda	Honda	Honda
MODEL	GX120	GX160	GX160	GX240
FUEL	Petrol	Petrol	Petrol	Petrol
DISPLACEMENT cc	118	163	163	242
CYLINDER	1 inclined	1 inclined	1 inclined	1 inclined
COOLING SYSTEM	Air	Air	Air	Air
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Recoil	Recoil	Recoil	Recoil
CONSUMPTION				
CONSUMPTION at 75% of load L/h	1,0	1,4	1,0	1,5
TANK CAPACITY L	2,0	3,1	3,1	5,3
RUNNING TIME at 75% of load h	2,0	2,2	3,1	3,5
NOISE EMISSION				
NOISE LEVEL LWA dB(A)	103	105	106	110
ACOUSTIC PRESSURE at 7 m dB(A)	78	80	78	83
DIMENSIONS AND WEIGHT				
LENGTH mm	437	477	520	690
WIDTH mm	364	416	462	485
HEIGHT mm	399	466	481	537
WEIGHT (dry) Kg	23	28	47	59
STANDARD EQUIPMENT, OPTION AND ACCESSORIES (x: Standard, o: Optional)				
OIL GUARD SYSTEM	x	x	x	x
3 JUBILEE PIPE CLIPS	x	x	x	x
2 THREADED COUPLINGS	x	x	x	x
FILTER	x	x	x	x
SPARK PLUG TOOL	x	x	x	x
INLET PIPES 2", 3" LENGTH 8/25 m	o	o	o	o
OUTLET PIPE 2", 3" LENGTH 5/10/50/100 m	o	o	o	o

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 ²		V/Hz		LEVEL	W/type	Km/h	m	°C	Kg
LIGHT GLOBE 750 H	55	310	11400	230/50	Included	IP 54	750 W Halogen	30	2,8	-25/+45	5
LIGHT GLOBE 2.0 H	90	1500	54000	230/50	Optional	IP 54	2000 W Halogen	100	5,0	-25/+45	10
LIGHT GLOBE 1.0 HIT	120	3000	110000	230/50	Optional	IP 54	1000 W HIT*	100	5,0	- 25/+45	20*

	LAMP	LUMEN	LIT UP AREA	LAMP	VOLTAGE/FREQ	ELEVATION	LAMP AUTONOMY	MAX HEIGHT	OPERATION TEMPERATURE	PROTECTION	WEIGHT
	W	lm	m ²	type	V/Hz	type	hours	m	°C	LEVEL	Kg
LIGHT TOWER 500Wx4 for Portable*	2000	38000	700	Halogen	230/50	Pneumatic	2000	4	-5/+130	IP 65	9
LIGHT TOWER 1000Wx4 for Portable*	4000	88000	1500	Halogen	230/50	Pneumatic	2000	4	-5/+130	IP65	15
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 6K**	4000	404000	up to 4000	Metal Halide	230/50	Manual	10000	9,2	-5/+130	IP 55	680
LSW 9	4000	360000	4200	Metal Halide	230/50	Hydraulic	9000	9,0	-5/+130	IP 66	970

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

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
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	5,3 / 6,7	8,8 / 11,0	14,1 / 17,6
PRIME POWER PRP kW/kVA	4,9 / 6,1	8,0 / 10,0	12,6 / 15,8
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	6,6	10,7	16,7
PRIME POWER PRP kW	6,0	9,7	14,7
FUEL CONSUMPTION at 75% / 100% PRP L/h	1,5 / 2,1	2 / 2,6	3,1 / 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	4,5 / 3,4	5,1 / 3,8	16,5 / 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

				F	F
GENERATING SET	GBW10Y	GBW15Y	GBW22Y	GBW30Y	GBW45Y
STAND BY POWER LTP kW/kVA	7,5 / 9,3	11,4 / 14,3	15,5 / 19,4	26,0 / 32,5	36,7 / 45,9
PRIME POWER PRP kW/kVA	6,8 / 8,5	10,4 / 13,0	14,1 / 17,6	24,4 / 30,5	33,4 / 41,8
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	9,0	13,6	18,0	34,1	41,4
PRIME POWER PRP kW	8,2	12,3	16,4	30,7	37,7
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,0 / 2,7	2,8 / 3,8	3,7 / 4,9	5,8 / 7,8	7,9 / 10,5
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	250	390	507	560	611
FUEL TANK CAPACITY L	51	51	51	51	51
RUNNING TIME at 75% / 100% PRP h	25,6 / 19,2	18,0 / 13,5	13,7 / 10,3	8,8 / 6,6	6,5 / 4,9



GENERATING SET	GBW10P	GBW15P	GBW22P	GBW30P ⁽¹⁾	GBW45P ⁽¹⁾
STAND BY POWER LTP kW/kVA	7,7 / 9,7	11,3 / 14,1	17,5 / 21,8	26,0 / 32,5	38,4 / 48,0
PRIME POWER PRP kW/kVA	7,0 / 8,7	10,2 / 12,7	15,8 / 19,8	24,4 / 30,5	36,6 / 45,7
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3
ENGINE					
BRAND	Perkins	Perkins	Perkins	Perkins	Perkins
MODEL	403D-11G	403D-15G	404D-22G	1103A-33G	1103A-33TG1
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	3 in line
DISPLACEMENT cc	1131	1496	2216	3300	3300
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	9,3	13,3	20,3	30,4	45,6
PRIME POWER PRP kW	8,4	12,0	18,4	27,7	41,3
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,6 / 2,0	2,7 / 3,6	3,8 / 5,1	5,1 / 6,8	8,2 / 10,7
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	1226	1600	1600	2000	2000
WIDTH mm	700	870	870	920	920
HEIGHT mm	1132	950	1000	1100	1100
WEIGHT Kg	385	425	495	700	785
FUEL TANK CAPACITY L	51	51	51	51	51
RUNNING TIME at 75% / 100% PRP h	25,8 / 19,8	18,6 / 14,2	13,6 / 10,2	9,4 / 7,2	6,2 / 4,8

[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



	F	F		
GENERATING SET	GSA22D	GSA30D	GSA42D ⁽¹⁾	GSA65D ⁽¹⁾
STAND BY POWER LTP kW/kVA	17,2 / 21,5	25,6 / 31,9	33,7 / 42,1	50,6 / 63,2
PRIME POWER PRP kW/kVA	16,4 / 20,5	24,3 / 30,4	32,8 / 41,0	49,7 / 62,1
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	Air	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 / 5,3	5,7 / 7,5	7,3 / 10,0	10,9 / 15,0
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	663	776	954
FUEL TANK CAPACITY L	91	91	91	240
RUNNING TIME at 75% / 100% PRP h	22,4 / 17,0	15,9 / 12,1	12,5 / 9,1	22,0 / 16,0

[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 is perfect for locations not connected to a mains power supply.



Integrated oil cooling system



Industrial silencers



		F	F	F
GENERATING SET	GSL22D	GSL30D	GSL42D	GSL65D
STAND BY POWER LTP kW/kVA	17,2 / 21,5	25,6 / 31,9	33,1 / 41,4	50,6 / 63,2
PRIME POWER PRP kW/kVA	16,4 / 20,5	24,3 / 30,4	31,6 / 39,5	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	F3M2011	F4M2011	BF4M2011	BF4M2011C
COOLING SYSTEM	Oil	Oil	Oil	Oil
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	4 in line	4 in line	4 in line
DISPLACEMENT cc	2330	3110	3110	3110
ASPIRATION	Natural	Natural	Turbo	Turbo, CAC
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	37,4	56,0
PRIME POWER PRP kW	19,0	27,6	35,6	54,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	4,1 / 5,8	5,7 / 8,0	9,4 / 12,5	10,4 / 14,1
ALTERNATOR				
TYPE	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH mm	1800	1800	1800	2000
WIDTH mm	750	750	750	750
HEIGHT mm	1720	1720	1720	1520
WEIGHT Kg	510	714	761	881
FUEL TANK CAPACITY L	91	91	91	91
RUNNING TIME at 75% / 100% PRP h	22,5 / 15,6	16,0 / 11,3	9,7 / 7,3	8,7 / 6,5

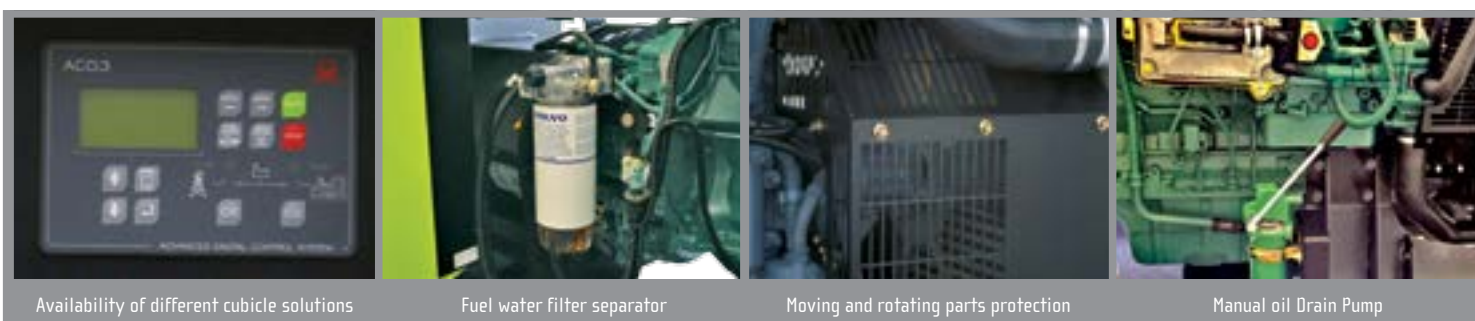
GSW SERIES

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

	F	F	F		F		F	F
GENERATING SET	GSW65P	GSW80P	GSW110P	GSW150P ⁽¹⁾	GSW155P	GSW165P ⁽¹⁾	GSW170P	GSW210P
STAND BY POWER LTP KW/KVA	53,5/67,0	66,0/83,0	91,7/114,7	114,4/143,0	114,4/143,0	131,2/164,0	131,2/164,0	163,1/203,8
PRIME POWER PRP KW/KVA	48,6/60,7	62,4/78,0	83,1/103,9	109,6/137,0	109,6/137,0	120,5/150,6	120,6/150,8	147,2/184,0
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	1006 TAG	1106C-E66TAG2	1006 TAG2	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	6600	5990	6600	6600
ASPIRATION	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	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	79,2	99,5	133,5	133	143	143,9	175,9
PRIME POWER PRP KW	53,8	71,9	90,1	120,9	119,5	129,3	129,4	158,8
FUEL CONSUMPTION AT 75% / 100% PRP L/h	10,42/13,9	13,43/17,9	18,0/22,6	23,9/30,8	24,2/30,6	31,5/41,0	26,0/33,1	31,2/40,2
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	2600	2600	2600	2600
WIDTH mm	1000	1000	1000	1000	1000	1000	1000	1000
HEIGHT mm	1743	1743	1743	1743	1743	1743	1743	1743
WEIGHT Kg	909	964	1170	1417	1623	1451	1757	2030
FUEL TANK CAPACITY L	209	240	240	250	250	250	250	400
RUNNING TIME AT 75% / 100% PRP H	20,0/15,0	18,1/13,6	13,3/10,6	10,5/8,1	10,2/8,1	7,9/6,1	9,6/7,5	12,8/9,9

(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).



	F	F	F	F	F	F
GENERATING SET	GSW65I	GSW80I	GSW110I	GSW145I	GSW170I	GSW220I
STAND BY POWER LTP KW/KVA	53,1/66,4	66,0/82,4	88,7/110,9	112,2/140,2	131,2/164,0	176,0/220,0
PRIME POWER PRP KW/KVA	48,2/60,2	60,0/74,1	80,7/100,8	102,0/127,5	126,4/158,0	162,2/202,8
VOLTAGE VOLT / FREQUENCY Hz	400/50	400/50	400/50	400/50	400/50	400/50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	FPT	FPT	FPT	FPT	FPT	FPT
MODEL	NEF455M1A	NEF455M2A	NEF45TM2A	NEF675M1A	NEF67TM3	NEF67TE2A
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	4 in line	4 in line	4 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	4500	4500	4500	6700	6700	6700
ASPIRATION	Turbo	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
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electronic
STAND BY POWER LTP KW	58,9	72,7	96,2	121,0	152,0	193,0
PRIME POWER PRP KW	53,3	66,1	87,5	110,0	137,7	175,0
FUEL CONSUMPTION AT 75% / 100% PRP L/h	10,3 / 13,7	12,8 / 17,2	16,3 / 22,1	21,5 / 28,2	27,1 / 35,6	33,5 / 44,0
ALTERNATOR						
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	2200	2200	2200	2600	2600	2600
WIDTH mm	1000	1000	1000	1000	1000	1000
HEIGHT mm	1620	1743	1743	1700	1700	1700
WEIGHT Kg	1123	1139	1310	1441	1505	1590
FUEL TANK CAPACITY L	248	248	248	248	248	248
RUNNING TIME AT 75% / 100% PRP H	23,4 / 17,5	18,8 / 14,0	14,7 / 10,9	11,6 / 8,9	9,2 / 7,0	7,5 / 5,7

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

	F	F	F	F	F	F
GENERATING SET	GSW110V	GSW150V	GSW170V	GSW220V	GSW275V	GSW330V
STAND BY POWER LTP kW/kVA	90,4/112,9	114,4/143,0	131,2/164,0	176,0/220,0	220,0/275,0	264,0/330,0
PRIME POWER PRP kW/kVA	81,1/101,4	103,9/129,8	125,4/156,7	162,1/202,7	198,9/248,7	252,0/315,0
VOLTAGE Volt / FREQUENCY Hz	400/50	400/50	400/50	400/50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD531GE	TAD532GE	TAD731GE	TAD733GE	TAD734GE	TAD941GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	4 in line	4 in line	6 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	4760	4760	7150	7150	7150	9360
ASPIRATION	Turbocharged intercooler					
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Electronic	Mechanical	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	98,0	125,0	149,5	194,9	238,0	310,0
PRIME POWER PRP kW	88,0	112,0	134,5	174,9	213,0	281,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	18,6 / 24,4	22,9 / 30,6	26,8 / 35,3	34,9 / 46,5	41,5 / 58,0	51,0 / 67,8
ALTERNATOR						
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	2200	2200	2650	2650	2650	3300
WIDTH mm	1000	1000	1100	1100	1180	1400
HEIGHT mm	1620	1620	1965	1965	1844	1887
WEIGHT Kg	1433	1491	1796	2238	2177	2580
FUEL TANK CAPACITY L	340	340	340	340	400	636
RUNNING TIME at 75% / 100% PRP h	18,3 / 14,0	14,9 / 11,1	12,7 / 9,6	9,7 / 7,3	9,6 / 6,9	12,5 / 9,4



	F	F	F	F			
GENERATING SET	GSW415V	GSW450V	GSW510V	GSW560V	GSW590V	GSW630V	GSW705V
STAND BY POWER LTP kW/kVA	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	303,9/379,8	331,0/413,7	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
PHASES	3	3	3	3	3	3	3
ENGINE							
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD1343GE	TAD1344GE	TAD1345GE	TAD1641GE	TAD1642GE	TAD1642GE	TWD1643GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water
FUEL	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
DISPLACEMENT cc	12780	12780	12780	16120	16120	16120	16120
ASPIRATION	Turbocharged intercooler						
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	356	389	431	473	536	536	596
PRIME POWER PRP kW	325	354	388	430	485	485	536
FUEL CONSUMPTION at 75% / 100% PRP L/h	58,1 / 76,6	64,4 / 84,1	70,4 / 92,9	77,6 / 104,5	87,5 / 118,7	87,6 / 118,7	97,4 / 131,0
ALTERNATOR							
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT							
LENGTH mm	3300	3300	3300	3500	3500	3500	3800
WIDTH mm	1400	1400	1400	1500	1500	1500	1670
HEIGHT mm	1917	1917	1917	2120	2120	2120	2320
WEIGHT Kg	3050	3050	3180	3467	3620	3680	4590
FUEL TANK CAPACITY L	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	10,9 / 8,3	9,9 / 7,6	9,0 / 6,8	8,2 / 6,1	7,3 / 5,5	7,3 / 5,5	6,5 / 4,9

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.



GENERATING SET	GSW310M	GSW330M	GSW405M	GSW440M	GSW515M	GSW570M	GSW665M	GSW730M
STANDBY POWER LTP kW/kVA	247,6/309,5	264,0/330,0	325,8/407,2	349,6/437,0	406,6/508,2	450,3/562,9	527,1/658,9	581,8/727,3
PRIME POWER PRP kW/kVA	224,2/280,2	247,6/309,4	294,5/368,2	325,8/407,2	368,1/460,1	407,9/509,9	478,1/597,6	527,1/658,9
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 intercooler							
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	348	384	433	478	559	617
PRIME POWER PRP kW	239	264	315	348	392	433	507	559
FUEL CONSUMPTION at 75% / 100% PRP L/h	44,7/58,1	48,6/63,6	63,4/81,3	62,1/82,7	78,4/109,5	76,5/105,1	98,1/131,6	106,0/142,6
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	2100	2100	2120	2120	2320	2320	2320	2320
WEIGHT Kg	2920	2920	3514	3514	4658	4811	4994	5200
FUEL TANK CAPACITY L	636	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	14,2/10,9	13,1/10,0	10,0/7,8	10,2/7,7	8,1/5,8	8,3/6,1	6,5/4,8	6,6/4,5

GBW SERIES

FRIENDLY GENERATION

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



External fuel refilling

Canopy lock



GENERATING SET	GBW10Y	GBW15Y	GBW22Y	GBW10P	GBW15P	GBW22P
STAND BY POWER LTP kW/kVA	7,5 / 9,3	11,4 / 14,3	15,5 / 19,4	7,7 / 9,7	11,3 / 14,1	17,5 / 21,8
PRIME POWER PRP kW/kVA	6,8 / 8,5	10,4 / 13,0	14,1 / 17,6	7,0 / 8,7	10,2 / 12,7	15,8 / 19,8
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	Yanmar	Yanmar	Yanmar	Perkins	Perkins	Perkins
MODEL	3TNV76	3TNV88	4TNV88	403D-11G	403D-15G	404D-22G
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	3 in line	4 in line	3 in line	3 in line	4 in line
DISPLACEMENT cc	1116	1642	2190	1131	1496	2216
ASPIRATION	Natural	Natural	Natural	Natural	Natural	Natural
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	9,0	13,6	18,0	9,3	13,3	20,3
PRIME POWER PRP kW	8,2	12,3	16,4	8,4	12,0	18,4
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,0 / 2,7	2,8 / 3,8	3,7 / 4,9	2,6 / 2,0	2,7 / 3,6	3,8 / 5,1
ALTERNATOR						
TYPE	With brushes	With brushes	With brushes	With brushes	With brushes	With brushes
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Compound	Compound	Compound	Compound	Compound	Compound
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	1646	1646	1646	1646	1646	1646
WIDTH mm	870	870	870	870	870	870
HEIGHT mm	1061	1061	1061	1061	1061	1061
WEIGHT Kg	460	430	560	460	550	565
FUEL TANK CAPACITY L	51	51	51	51	51	51
RUNNING TIME at 75% / 100% PRP h	25,6 / 19,2	18,0 / 13,5	13,7 / 10,3	25,8 / 19,8	18,7 / 14,1	12,8 / 9,7
NOISE PRESSURE LEVEL at 7 mt dB(A)	64	64	64	66	66	66
GUARANTEED SOUND POWER LEVEL LWA dB(A)	93	93	93	95	95	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	GSW10P	GSW15P	GSW22P
STAND BY POWER LTP kW/kVA	7,7/9,7	11,6/14,5	15,7/19,7	8,0/10,0	11,5/14,3	17,2/21,5
PRIME POWER PRP kW/kVA	7,0/8,8	10,6/13,2	14,3/17,9	7,2/9,0	10,3/12,9	16,1/20,1
VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	Yanmar	Yanmar	Yanmar	Perkins	Perkins	Perkins
MODEL	3TNV76	3TNV88	4TNV88	403D-11G	403D-15G	404D-22G
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	3 in line	4 in line	3 in line	3 in line	4 in line
DISPLACEMENT cc	1116	1642	2190	1131	1496	2215
ASPIRATION	Natural	Natural	Natural	Natural	Natural	Natural
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 12
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
STAND BY POWER LTP kW	9,0	13,6	18,0	9,3	13,3	20,3
PRIME POWER PRP kW	8,2	12,3	16,4	8,4	12	18,3
FUEL CONSUMPTION at 75% / 100% PRP L/h	2,0 / 2,7	2,9 / 3,8	3,7 / 4,9	2,6/2,0	2,7 / 3,6	4,0 / 5,3
ALTERNATOR						
TYPE	Brushless	Brushless	Brushless	With brushes	Brushless	Brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Compound	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	1800	1800	1800	1800	1800	1800
WIDTH mm	850	850	850	850	850	850
HEIGHT mm	1261	1261	1261	1260	1261	1261
WEIGHT Kg	515	597	653	730	639	692
FUEL TANK CAPACITY L	68	68	68	68	68	68
RUNNING TIME at 75% / 100% PRP h	31,9 / 24,0	22,6 / 16,9	17,3 / 15,0	25,8/19,8	25,0 / 18,7	17,0 / 12,8
NOISE PRESSURE LEVEL at 7 mt dB(A)	65	66	66	65	61	61
GUARANTEED SOUND POWER LEVEL LWA dB(A)	91	92	92	91	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.



Control panel behind lockable door

Stacking option while warehousing



	F GSW30Y	F GSW45Y	GSW30P ⁽¹⁾	GSW45P ⁽¹⁾
GENERATING SET				
STAND BY POWER LTP kW/kVA	26,0/32,5	36,7/45,9	26,0/32,5	38,4/48,0
PRIME POWER PRP kW/kVA	24,4/30,5	33,4/41,8	24,4/30,5	36,6/45,7
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	34,1	41,4	30,4	45,6
PRIME POWER PRP kW	30,7	37,7	27,7	41,3
FUEL CONSUMPTION at 75% / 100% PRP L/h	6,1 / 8,1	8,7 / 11,6	5,4 / 7,1	8,2 / 10,7
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)	66	66	64	66
GUARANTEED SOUND POWER LEVEL LWA dB(A)	95	95	93	95

⁽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.



Integrated oil cooling system



Analogue instrumentation and sockets

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



		F	F	F
GENERATING SET	GSL22D	GSL30D	GSL42D	GSL65D
STAND BY POWER LTP kW/kVA	17,2 / 21,5	25,6 / 31,9	33,1 / 41,4	50,6 / 63,2
PRIME POWER PRP kW/kVA	16,4 / 20,5	24,3 / 30,4	31,6 / 39,5	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	F3M2011	F4M2011	BF4M2011	BF4M2011C
COOLING SYSTEM	Oil	Oil	Oil	Oil
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	3 in line	4 in line	4 in line	4 in line
DISPLACEMENT cc	2330	3110	3110	3110
ASPIRATION	Natural	Natural	Turbo	Turbo, CAC
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	37,4	56,0
PRIME POWER PRP kW	19,0	27,6	35,6	54,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	4,1 / 5,8	5,7 / 8,0	9,4 / 12,5	10,4 / 14,1
ALTERNATOR				
TYPE	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH mm	2000	2000	2000	2285
WIDTH mm	920	920	920	920
HEIGHT mm	1310	1310	1310	1310
WEIGHT Kg	690	760	824	981
FUEL TANK CAPACITY L	68	68	68	209
RUNNING TIME at 75% / 100% PRP h	16,6 / 11,7	11,9 / 8,5	7,2 / 5,4	20,0 / 14,8
NOISE PRESSURE LEVEL at 7 m dB(A)	60	60	60	64
GUARANTEED SOUND POWER LEVEL LWA dB(A)	89	89	89	93

GSW SERIES

TOTAL ENERGY

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



	F	F	F		F		F	F
GENERATING SET	GSW65P	GSW80P	GSW110P	GSW150P ⁽¹⁾	GSW155P	GSW165P ⁽¹⁾	GSW170P	GSW210P
STAND BY POWER LTP kW/kVA	53,5/67,0	66,0/83,0	91,7/114,7	114,4/143,0	114,4/143,0	131,2/164,0	131,2/164,0	163,1/203,8
PRIME POWER PRP kW/kVA	48,6/60,7	62,4/78,0	83,1/103,9	109,6/137,0	109,6/137,0	120,5/150,6	120,6/150,8	147,2/184,0
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	1006 TAG	1106C-E66TAG2	1006 TAG2	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	6600	5990	6600	6600
ASPIRATION	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	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	79,2	99,5	133,5	133	143	143,9	175,9
PRIME POWER PRP kW	53,8	71,9	90,1	120,9	119,5	129,3	129,4	158,8
FUEL CONSUMPTION at 75% / 100% PRP L/h	13,9/10,42	17,9/13,43	22,6/18,0	30,8/23,9	30,6/24,2	41,0/31,5	33,1/26,0	40,2/31,2
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	2285	2285	2400	3000	3414	3000	3414	3414
WIDTH mm	920	920	1000	1150	1338	1150	1338	1338
HEIGHT mm	1500	1500	1530	1740	1768	1740	1800	1768
WEIGHT Kg	1085	1144	1400	1961	1942	1935	2038	2138
FUEL TANK CAPACITY L	209	209	209	340	340	340	340	340
RUNNING TIME at 75% / 100% PRP h	20,1 / 15,0	15,6 / 11,7	11,6 / 9,2	14,2 / 11,0	14,0 / 11,1	10,8 / 8,3	13,1 / 10,3	10,9 / 8,5
NOISE PRESSURE LEVEL at 7 mt dB(A)	67	67	67	68	68	68	68	68
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	96	96	97	97	97	97	97

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

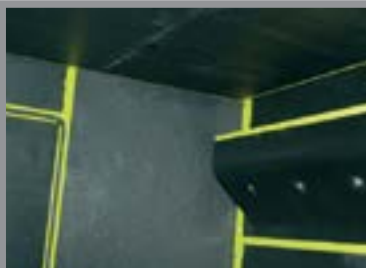
GSW SERIES

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.



Muffler rain cap



Fireproof noise attenuation material



Fuel water filter separator

	F	F	F	F	F	F
GENERATING SET	GSW110V	GSW150V	GSW170V	GSW220V	GSW275V	GSW330V
STAND BY POWER LTP kW/kVA	90,4/112,9	114,4/143,0	131,2/164,0	176,0/220,0	220,0/275,0	264,0/330,0
PRIME POWER PRP kW/kVA	81,1/101,4	103,9/129,8	125,4/156,7	162,1/202,7	198,9/248,7	252,0/315,0
VOLTAGE Volt / FREQUENCY Hz	400/50	400/50	400/50	400/50	400 / 50	400 / 50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD531GE	TAD532GE	TAD731GE	TAD733GE	TAD734GE	TAD941GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	4 in line	4 in line	6 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	4760	4760	7150	7150	7150	9360
ASPIRATION	Turbocharged intercooler					
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12	Electric / 12	Electric / 12	Electric / 12	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Electronic	Mechanical	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	98,0	125,0	149,5	194,9	238,0	310,0
PRIME POWER PRP kW	88,0	112,0	134,5	174,9	213,0	281,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	18,6 / 24,4	22,9 / 30,6	26,8 / 35,3	34,9 / 46,5	41,5 / 58,0	51,0 / 67,8
ALTERNATOR						
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	3000	3000	3414	3414	3951	3951
WIDTH mm	1150	1150	1338	1338	1438	1438
HEIGHT mm	1770	1770	1768	1768	2095	2095
WEIGHT Kg	1734	1821	2224	2540	2990	3200
FUEL TANK CAPACITY L	340	340	340	340	636	636
RUNNING TIME at 75% / 100% PRP h	18,3 / 14,0	14,9 / 11,1	12,7 / 9,6	9,7 / 7,3	15,3 / 11,0	12,5 / 9,4
NOISE PRESSURE LEVEL at 7 mt dB(A)	68	68	68	65	68	68
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	97	97	94	97	97



	F	F	F	F			
GENERATING SET	GSW415V	GSW450V	GSW510V	GSW560V	GSW590V	GSW630V	GSW705V
STAND BY POWER LTP kW/kVA	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	303,9/379,8	331,0/413,7	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
PHASES	3	3	3	3	3	3	3
ENGINE							
BRAND	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo	Volvo
MODEL	TAD1343GE	TAD1344GE	TAD1345GE	TAD1641GE	TAD1642GE	TAD1642GE	TWD1643GE
COOLING SYSTEM	Water	Water	Water	Water	Water	Water	Water
FUEL	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
DISPLACEMENT cc	12780	12780	12780	16120	16120	16120	16120
ASPIRATION	Turbocharged intercooler						
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24	Electric / 24
SPEED rpm	1500	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	356	389	431	473	536	536	596
PRIME POWER PRP kW	325	354	388	430	485	485	536
FUEL CONSUMPTION at 75% / 100% PRP L/h	58,1 / 76,6	64,4 / 84,1	70,4 / 92,9	77,6 / 104,5	87,5 / 118,7	87,6 / 118,7	97,4 / 131,0
ALTERNATOR							
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT							
LENGTH mm	3951	3951	3951	4400	4400	4400	4700
WIDTH mm	1438	1438	1438	1560	1560	1560	1670
HEIGHT mm	2095	2095	2095	2250	2250	2250	2430
WEIGHT Kg	3671	3671	4100	4495	4888	4945	5490
FUEL TANK CAPACITY L	636	636	636	636	636	636	636
RUNNING TIME at 75% / 100% PRP h	10,9 / 8,3	9,9 / 7,6	9,0 / 6,8	8,2 / 6,1	7,3 / 5,4	7,3 / 5,4	6,5 / 4,9
NOISE PRESSURE LEVEL at 7 mt dB(A)	68	69	69	75	75	75	75
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	98	98	105	105	105	105

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.



	F	F	F	F	F	F
GENERATING SET	GSW65I	GSW80I	GSW110I	GSW145I	GSW170I	GSW220I
STAND BY POWER LTP kW/kVA	53,1/66,4	66,0/82,4	88,7/110,9	112,2/140,2	131,2/164,0	176,0/220,0
PRIME POWER PRP kW/kVA	48,2/60,2	60,0/74,1	80,7/100,8	102,0/127,5	126,4/158,0	162,2/202,8
VOLTAGE Volt / FREQUENCY Hz	400/50	400/50	400/50	400/50	400/50	400/50
PHASES	3	3	3	3	3	3
ENGINE						
BRAND	FPT	FPT	FPT	FPT	FPT	FPT
MODEL	NEF455M1A	NEF455M2A	NEF45TM2A	NEF675M1A	NEF67TM3	NEF67TE2A
COOLING SYSTEM	Water	Water	Water	Water	Water	Water
FUEL	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	4 in line	4 in line	4 in line	6 in line	6 in line	6 in line
DISPLACEMENT cc	4500	4500	4500	6700	6700	6700
ASPIRATION	Turbo	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
SPEED rpm	1500	1500	1500	1500	1500	1500
SPEED GOVERNOR	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electronic
STAND BY POWER LTP kW	58,9	72,7	96,2	121,0	152,0	193,0
PRIME POWER PRP kW	53,3	66,1	87,5	110,0	137,7	175,0
FUEL CONSUMPTION at 75% / 100% PRP L/h	10,3 / 13,7	12,8 / 17,2	16,3 / 22,1	21,5 / 28,2	27,1 / 35,6	33,5 / 44,0
ALTERNATOR						
TYPE	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT						
LENGTH mm	2400	2400	3000	3400	3400	3400
WIDTH mm	1000	1000	1150	1250	1250	1250
HEIGHT mm	1546	1546	1771	1780	1780	1780
WEIGHT kg	1.410	1426	1684	1995	2057	2145
FUEL TANK CAPACITY L	209	209	340	340	340	340
RUNNING TIME at 75% / 100% PRP h	20,4 / 15,3	16,3 / 12,2	20,9 / 15,4	15,8 / 12,0	12,6 / 9,5	10,1 / 7,7
NOISE PRESSURE LEVEL at 7 mt dB(A)	67	65	68	68	67	68
GUARANTEED SOUND POWER LEVEL LWA dB(A)	96	94	97	97	96	97

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.



Cylinder head



LTS - Load Transfer Switch (motorized)



GENERATING SET	GSW310M	GSW330M	GSW405M	GSW440M	GSW515M	GSW570M	GSW665M	GSW730M
STANDBY POWER LTP kW/kVA	247,6/309,5	264,0/330,0	325,8/407,2	349,6/437,0	406,6/508,2	450,3/562,9	527,1/658,9	581,8/727,3
PRIME POWER PRP kW/kVA	224,2/280,2	247,6/309,4	294,5/368,2	325,8/407,2	368,1/460,1	407,9/509,9	478,1/597,6	527,1/658,9
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 intercooler							
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	348	384	433	478	559	617
PRIME POWER PRP kW	239	264	315	348	392	433	507	559
FUEL CONSUMPTION at 75% / 100% PRP L/h	44,7/58,1	48,6/63,6	63,4/81,3	62,1/82,7	78,4/109,5	76,5/105,1	98,1/131,6	106,0/142,6
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	14,2/10,9	13,1/10,0	10,0/7,8	10,2/7,7	8,1/5,8	8,3/6,1	6,5/4,8	6,0/4,5
NOISE PRESSURE LEVEL at 7mt dB(A)	68	68	67	68	67	75	75	75
GUARANTEED SOUND POWER LEVEL LWA dB(A)	97	97	97	98	97	105	105	105

GSW HIGHER POWER 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.



Lifting structure



GENERATING SET	G5W815P	G5W875P	G5W1130P	G5W1400P	G5W1510P
STAND BY POWER LTP kW/kVA	660,9 / 826,2	699,0 / 874,0	917,8 / 1147,2	1119,0 / 1399,0	1209,9 / 1512,4
PRIME POWER PRP kW/kVA	601,0 / 751,3	646,0 / 807,0	835,4 / 1044,2	1013,0 / 1266,0	1100,7 / 1375,9
NOMINAL VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3
ENGINE					
BRAND	Perkins	Perkins	Perkins	Perkins	Perkins
MODEL	4006-23 TAG2A	4006-23 TAG3A	4008TAG2A	4012-46TWG2A	4012-46TWG3A
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	6 in line	6 in line	8 in line	12 V angle	12 V angle
TOTAL DISPLACEMENT cc	22921	22921	30561	45842	45842
AIR INTAKE	Turbocharged Intercooler			Turbocharged CAC	
SPEED rpm	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	695	760	958	1166	1263
PRIME POWER PRP kW	632	679	872	1055	1149
FUEL CONSUMPTION at 75% / 100% PRP L/h	125 / 164	134 / 176	163 / 223	214 / 278	230 / 301
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 (OPEN SET - SOUNDPROOF) mm	4100 - 6541	4100 - 6541	4830 - 7900	4800 - 8500	4800 - 8500
WIDTH (OPEN SET - SOUNDPROOF) mm	2130 - 2171	2130 - 2171	2050 - 2470	2050 - 2470	2050 - 2470
HEIGHT (OPEN SET - SOUNDPROOF) mm	2218 - 2679	2218 - 2679	2460 - 2950	2460 - 2990	2660 - 2990
WEIGHT (OPEN SET - SOUNDPROOF) Kg	6200 - 8460	6210 - 8460	8170 - 10110	10290 - 12150	10290 - 13260
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	8,0 / 6,1	7,5 / 5,7	6,1 / 4,5	4,7 / 3,6	4,3 / 3,3
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / 70	- / 70	- / 70



GENERATING SET	GSW1650P	GSW1780P	GSW2025P	GSW2266P	GSW2520P
STAND BY POWER LTP kW/kVA	1296,0 / 1620,0	1424,0 / 1780,0	1636,4 / 2045,5	1814,0 / 2268,0	2016,0 / 2520,0
PRIME POWER PRP kW/kVA	1240,0 / 1550,0	1360,0 / 1700,0	1514,7 / 1893,4	1617,1 / 2021,4	1815,0 / 2269,0
NOMINAL VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3
ENGINE					
BRAND	Perkins	Perkins	Perkins	Perkins	Perkins
MODEL	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
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	45842	45842	61123	61123	61123
AIR INTAKE	Turbocharged CAC				
SPEED rpm	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	1417	1579	1694	1885	2083
PRIME POWER PRP kW	1289	1436	1568	1674	1875
FUEL CONSUMPTION at 75% / 100% PRP L/h	241 / 317	275 / 366	312 / 394	332 / 433	358 / 482
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 (OPEN SET - SOUNDPROOF) mm	4970 - 8500	5620 - 12190	5620 - 12190	5620 - 12190	5620 - 12190
WIDTH (OPEN SET - SOUNDPROOF) mm	2050 - 2470	2200 - 2438	2280 - 2438	2280 - 2438	2280 - 2438
HEIGHT (OPEN SET - SOUNDPROOF) mm	2660 - 2990	2960 - 2896	3520 - 2896	3520 - 2896	3520 - 2896
WEIGHT (OPEN SET - SOUNDPROOF) Kg	11320 - 13560	14140 - TBD	14588 - TBD	14902 - TBD	14910 - TBD
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	4,2 / 3,2	3,2 / 2,5	3,4 / 2,6	3,0 / 2,3	2,8 / 2,1
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 70	- / 70	- / on request	- / on request	- / on request

GSW HIGHER POWER 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.



GENERATING SET	G5W870M	G5W1000M	G5W1120M	G5W1260M	G5W1500M
STAND BY POWER LTP kW/kVA	697,0 / 871,0	808,0 / 1010,0	895,7 / 1119,7	1009,9 / 1262,4	1216,0 / 1520,0
PRIME POWER PRP kW/kVA	631,0 / 788,0	731,0 / 913,0	810,0 / 1013,0	913,9 / 1142,4	1176,0 / 1470,0
NOMINAL VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3	3
ENGINE					
BRAND	MTU	MTU	MTU	MTU	MTU
MODEL	12V2000G65	16V2000G25	16V2000G65	18V2000G65	12V4000G23R
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	16 V angle	16 V angle	18 V angle	12 V angle
TOTAL DISPLACEMENT cc	23880	31840	31840	35820	57199
AIR INTAKE	Turbocharged intercooler				
SPEED rpm	1500	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	733	733	935	1052	1285
PRIME POWER PRP kW	663	633	846	952	1165
FUEL CONSUMPTION at 75% / 100% PRP L/h	128 / 167	145 / 191	158 / 210	211 / 272	223 / 285
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 (OPEN SET - SOUNDPROOF) mm	4100 - 6541	4226 - 6541	4226 - 6541	4720 - 8500	5300 - 12190
WIDTH (OPEN SET - SOUNDPROOF) mm	2130 - 2171	2130 - 2171	2130 - 2171	1900 - 2470	2000 - 2438
HEIGHT (OPEN SET - SOUNDPROOF) mm	2294 - 2679	2295 - 2679	2295 - 2679	2560 - 2990	2500 - 2896
WEIGHT (OPEN SET - SOUNDPROOF) Kg	6200 - 8460	6950 - 9810	7150 - 10020	7840 - 10820	11590 - TBD
FUEL TANK CAPACITY L	1000	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	7,8 / 6,0	6,9 / 5,2	6,3 / 4,8	4,7 / 3,7	4,5 / 3,5
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 75	- / 75	- / 75	- / 75	- / 75

(*) Dimensions and weights without radiator



GENERATING SET	G5W1770M	G5W2040M	G5W2270M	G5W2600M
STAND BY POWER LTP kW/kVA	1424,0 / 1780,0	1635,4 / 2044,3	1814,0 / 2268,0	2044,4 / 2555,5
PRIME POWER PRP kW/kVA	1328,9 / 1661,2	1482,8 / 1835,5	1689,0 / 2111,0	1853,7 / 2317,2
NOMINAL VOLTAGE Volt / FREQUENCY Hz	400 / 50	400 / 50	400 / 50	400 / 50
PHASES	3	3	3	3
ENGINE				
BRAND	MTU	MTU	MTU	MTU
MODEL	12V4000G623	12V4000G63	16V4000G623	16V4000G63
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 24	Electric / 24	Electric / 24	Electric / 24
FUEL	Diesel	Diesel	Diesel	Diesel
NUMBER AND DISPOSITION OF CYLINDERS	12 V angle	12 V angle	16 V angle	16 V angle
TOTAL DISPLACEMENT cc	57199	57200	76300	76300
AIR INTAKE	Turbocharged intercooler			
SPEED rpm	1500	1500	1500	1500
SPEED GOVERNOR	Electronic	Electronic	Electronic	Electronic
STAND BY POWER LTP kW	1522	1693	1928	2112
PRIME POWER PRP kW	1380	1535	1748	1915
FUEL CONSUMPTION at 75% / 100% PRP L/h	249 / 320	275 / 362	315 / 411	341 / 447
ALTERNATOR				
TYPE	Brushless	Brushless	Brushless	Brushless
POLES	4	4	4	4
VOLTAGE REGULATION SYSTEM	Electronic	Electronic	Electronic	Electronic
OVERALL DIMENSIONS AND WEIGHT				
LENGTH (OPEN SET - SOUNDPROOF) mm	5300 - 12190	5300 - 12190	6100 - 12190	6100 - 12190
WIDTH (OPEN SET - SOUNDPROOF) mm	2000 - 2438	2000 - 2438	2300 - 2438	2300 - 2438
HEIGHT (OPEN SET - SOUNDPROOF) mm	2500 - 2896	2500 - 2896	2790 - 2896	2790 - 2896
WEIGHT (OPEN SET - SOUNDPROOF) Kg	12150 - TBD	12430 - TBD	15620 - TBD	15900 - TBD
FUEL TANK CAPACITY L	1000	1000	1000	1000
RUNNING TIME at 75%/100% PRP h	4,0 / 3,1	3,6 / 2,8	3,2 / 2,4	2,9 / 2,2
NOISE PRESSURE LEVEL at 7 mt dB(A)	- / 75	- / 75	- / 75	- / 75

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.

Turnkey installations

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

Control Panels

All the machines can be equipped with manual MCP, automatic ACP or AMF control panels, as well as parallel panels between two or more generators and parallel with the mains.

Other options can be studied by our Technical Office.

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 8MW during summer period, in order to help the main grid in Formentera Island, next to Ibiza, needed to secure all the electricity required by the high number of tourists.

The seven PRAMAC generators were installed using paralleling synchronization with main grid connection.

The main characteristics of this project:

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

The plant was a turnkey 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 Dhabi 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.



ACCESSORIES & OPTIONALS

PORTABLE GENSETS

STANDARD

Magneto Thermal protection (S12000, SP and P)
Engine over temperature protection (P11000 Diesel, P6000s)
Oil guard system
Differential protection (P series, S series diesel)
Automatic Voltage Regulation AVR (SP series and P9000)
Isometer (P11000 diesel, P12000 diesel, SP series)
Voltmeter (P series, SP12000, and S series diesel)
Battery charger (S series, except S12000)
Hour Meter (SP series, S diesel and P)
Lifting Kit/ Hook (P series except P4500)
Double positive welding sockets - with additional resistance (W series)
Connector for AMF/RSS (S and P series)

OPTIONALS

Differential protection and hour meter (E and ES series)
Transportation kit (E, ES, S, W and P series, except P12000 diesel that is included)
Differential protection (S series*)
Isometer (S and P series)
Automatic Voltage Regulation AVR (ES, S and P series)
Automatic Mains Failure (AMF) (Available for generators with connector CONN of S and P series, not compatible with IPP)
Remote Control RSS (Available for generators with connector CONN of S and P series, not compatible with IPP)
Lifting Kit/ Hook (S series Gasoline - SP series)
Cover for portable generators. Dimensions (L x W x H): 80 x 58 x 57 cm.
Welding kit (W)
Inlet/Outlet pipe for motorpumps

**Included Voltmeter, hour meter and frequency meter*

ACCESSORIES & OPTIONALS

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 (G5)
Residential silencer (soundproof models)

ACCESSORIES (SOUNDPROOF MODELS)

Socket kits
Rental kit (only on G5 series below G5W275V)
Fully bunded baseframe
Site and road trailer (all range below G5W275V)
Galvanized skid baseframe (G5 Series up to G5W220)
Hydraulic Lighting Tower (for G5W 10-45 and G5L 22-42)

OPTIONALS*

Extended capacity on base fuel tank
Automatic refueling system
Coolant pre-heating system
Differential protection
Residential silencer (Open set models)
IV poles circuit breaker instead of III poles
Exhaust compensator bellow

** depending on models*

ELECTRICAL EQUIPMENT – MANUAL CONTROL PANELS



1-MANUAL ANALOGUE (OPTIONAL)

GBA 7/12/17L Open set



2-MANUAL ANALOGUE

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



3-MANUAL ANALOGUE

GSW 10/22P-Y Soundproof
GSW 30/42D Soundproof
GSW 30/45Y-P Soundproof



4-MANUAL ANALOGUE

GSW 65D Soundproof
GSW 65/80/110/145/170/220I Soundproof
GSW 65/80/110/150/155/165/170/210P Soundproof



5-MANUAL ANALOGUE FULL OPTION (UNDER REQUEST)

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



6-MANUAL DIGITAL

GSA 22/30/42/65D Open set
GSL 30/42D Open set
GSW 65/80/110/145/170/220I Open set
GSW 65/80/110P Open set

	1	2	3	4	5	6
EQUIPMENT						
ENGINE PROTECTION UNIT	□	●	●	●	●	●
DC DISCONNECTION DEVICE	●	●	●	●	●	●
STARTING	Key	Key	Key	Key	Key	Key
MAINS VOLTAGE	-	-	-	-	-	-
GENSET VOLTAGE (3 PHASES SENSING)	-	-	-	-	●	●
GENSET VOLTAGE (1 PHASE SENSING)	●	●	●	●	-	-
GENSET INTENSITY (3 PHASES SENSING)	-	-	-	-	●	●
GENSET INTENSITY (1 PHASE SENSING)	-	●	●	●	-	-
FREQUENCY METER	-	-	-	-	●	●
HOURLY METER	●	●	●	●	●	●
BATTERY VOLTAGE AND INTENSITY	-	-	-	-	-	● (Only voltage)
SPEED	-	-	-	-	-	●
POWER (KVA, KW, KVAR, cosφ)	-	-	-	-	-	- (Only kVA)
FUEL LEVEL	-	-	-	-	●	●
ENGINE TEMPERATURE	-	-	-	-	●	● (Not available on GSA42/65)
OIL PRESSURE INDICATOR	-	-	-	-	●	- (Standard from GSW220)
ALARMS & SHUTDOWNS						
GENERATOR VOLTAGE OUT OF LIMITS	-	-	-	-	-	△
OVER-LOAD	-	-	-	-	-	△
BATTERY CHARGER ALTERNATOR FAILURE	● (Shutdown optional)	△	△	△	△	-
BATTERY VOLTAGE OUT OF LIMITS	-	-	-	-	-	●
FREQUENCY OUT OF LIMITS	-	-	-	-	-	△
LOW FUEL LEVEL	-	-	△	△	△	△
LOW OIL PRESSURE	● (Shutdown optional)	△	△	△	△	△
HIGH ENGINE TEMPERATURE	-	△	△	△	△	△
LOW COOLANT LEVEL	-	-	-	-	△ (On GSW80/150/220)	△ (On GSW80/150/220)
FAIL TO START	-	-	-	-	-	●
EXTERNAL SHUTDOWN	△	●	●	●	●	●
PROTECTION DEVICES						
III POLES CIRCUIT BREAKER	●	●	●	●	●	●
IV POLES CIRCUIT BREAKER	-	-	□	□	□	□
DIFFERENTIAL PROTECTION	-	●	●	●	●	●
INSULATION MONITORING	-	-	-	-	-	-
EMERGENCY STOP BUTTON	□	●	●	●	●	●
OTHER FEATURES						
ACUSTIC ALARM	-	-	-	-	-	-
PHASE DETECTOR	-	-	-	-	-	-
BATTERY CHARGER	-	-	-	-	-	-
CANBUS COMMUNICATION	-	-	-	-	-	-
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 GSW15-22)	□	□ (Not available on GSW15-22)	□
BATTERY CHARGER OUTPUT	-	-	-	-	-	-
TERMINALS FOR GENSET CUBICLE CONNECTION	-	-	-	-	-	-
CONTACTORS WITH INTERLOCK	-	-	-	-	-	-
5 METERS CONTROL WIRING	-	-	-	-	-	-
SOCKETS						
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
GSW 30/42D Open set and Soundproof
GSW 30/45Y-P Soundproof



9-AUTOMATIC DIGITAL

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



10-AUTOMATIC DIGITAL

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 [S and P series]



12-AMF DIGITAL

GBW/GSA/GSL/GSW 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								
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	-	●	●	●	-	● (Not available on GB)	-	●
ENGINE TEMPERATURE	-	● (Only GSW)	● (Only DEUTZ, not on GSA42/65)	●	-	● (Only DEUTZ, not on GB and on GSA42/65)	-	●
OIL PRESSURE INDICATOR	-	-	- [Standard from GSW220]	●	-	- [Standard from GSW220]	-	●
ALARMS & SHUTDOWNS								
GENERATOR VOLTAGE OUT OF LIMITS	△	△	△	△	△	△	-	△
OVER-LOAD	△	△	△	△	△	△	-	△
BATTERY CHARGER ALTERNATOR FAILURE	△	△	△	△	△	△	-	△
BATTERY VOLTAGE OUT OF LIMITS	●	●	●	●	●	●	-	●
FREQUENCY OUT OF LIMITS	△	△	△	△	△	△	-	△
LOW FUEL LEVEL	-	△	△	△	-	△ (Not available on GB)	-	△
LOW OIL PRESSURE	△	△	△	△	△	△	-	△
HIGH ENGINE TEMPERATURE	△	△	△	△	△	△	-	△
LOW COOLANT LEVEL	-	△	△ (On GSW65/80/150/220)	△	-	△ (On GSW65/80/150/220)	-	△
FAIL TO START	●	●	●	●	●	●	-	●
EXTERNAL SHUTDOWN	●	●	●	●	●	●	-	●
PROTECTION DEVICES								
III POLES CIRCUIT BREAKER	●	●	●	●	-	-	-	●
IV POLES CIRCUIT BREAKER	-	□	□	□	-	-	-	□
DIFFERENTIAL PROTECTION	●	●	●	●	-	-	-	●
INSULATION MONITORING	-	-	-	-	-	-	-	-
EMERGENCY STOP BUTTON	●	●	●	●	●	●	●	●
OTHER FEATURES								
ACUSTIC ALARM	-	●	●	●	●	●	-	●
PHASE DETECTOR	●	●	●	●	●	●	-	●
BATTERY CHARGER	●	●	●	●	●	●	-	●
CANBUS COMMUNICATION	-	-	- (On GSW150/220 & Perkins from GSW110)	●	-	- (On GSW150/220)	-	●
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	-	-	-	-	-	-	●	●
SOCKETS								
Schucko socket	-	□	□	□ (Only Soundproof sets)	-	-	-	-
Single phase CEE socket	-	□	□	□ (Only Soundproof sets)	-	-	-	-
Three phase CEE socket	1 x 400V 3P+N+T CE. 1 x 400V 3P+N+T CE.		□	□ (Only Soundproof sets)	-	-	-	-

* Different versions available

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

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.

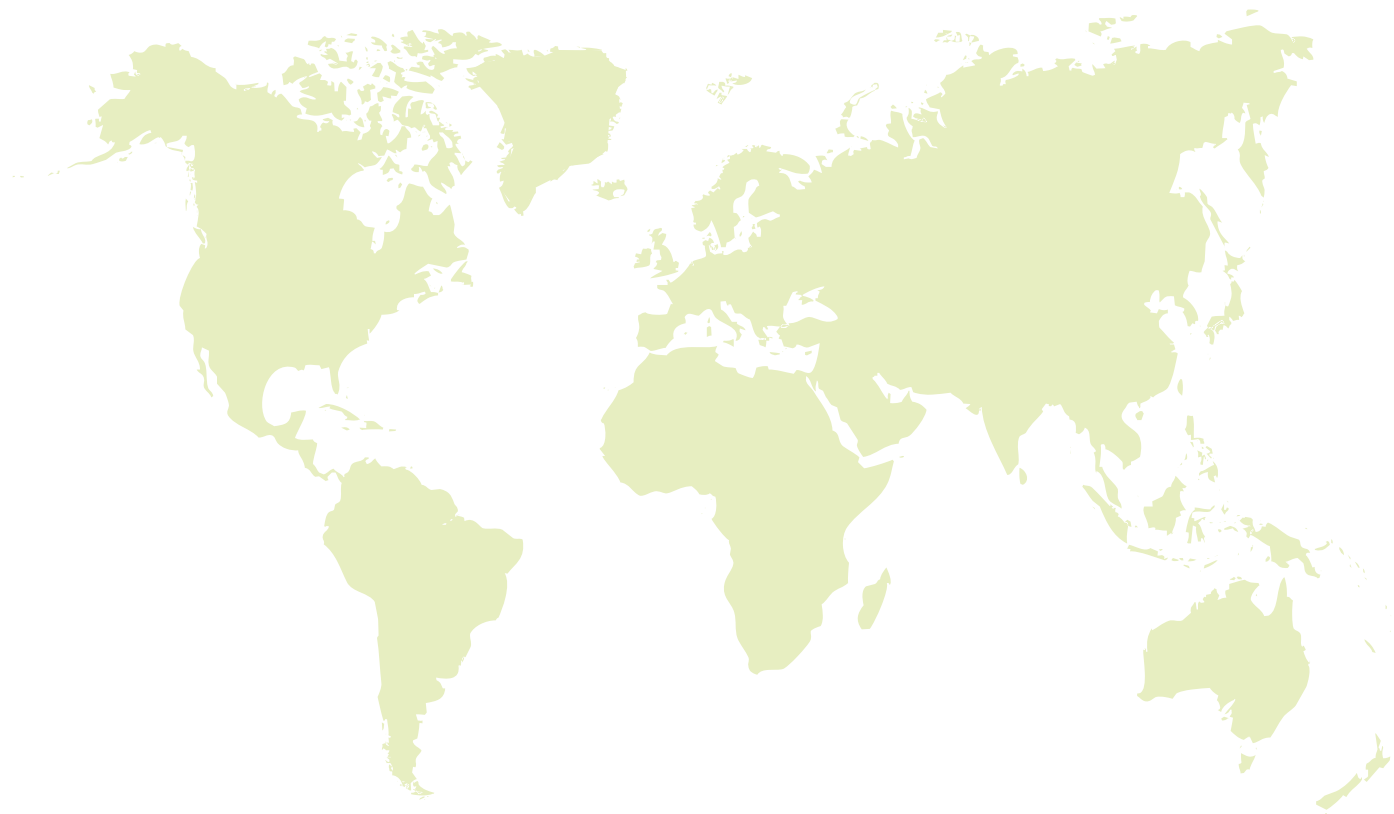
LTS Load Transfer Switch panel

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.



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