



# Energy generation

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# Product Catalogue

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The philosophy behind PRAMAC power solutions is to offer a product that finds its ideal application every time and everywhere high performances are needed. Dedicated to the POWER division, this catalogue provides PRAMAC customers with a complete range of solutions suitable for any kind of energy request.







MATERIAL  
HANDLING  
EQUIPMENT

PRAMAC  
RACING  
TEAM

**BUSINESS AREAS**

# Pramac

PRAMAC GROUP operates through a proprietary distribution network of several branches providing global coverage. PRAMAC can trace its roots back to 1966, when the Campinoti family started, a construction equipment business 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 globally with a wide and flexible product range to satisfy our customers' needs around the world.





SERVICE & PARTS

POWER

# Power

In the field of power generation PRAMAC offers solutions for every kind of power supply demand: from the portable to the industrial power supply either for stand by and prime power applications.

PRAMAC not only designs, manufactures and installs a complete range of portable and stationary generators from one to 3360 kVA as standard production, but can also provide tailored solutions that can be adapted to every specific requirement.

# Product range



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# Icons

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Air Cooled Engine



Water Cooled Engine



Oil Cooled Engine



Noise Compliant



IP 54 Protection



Light Weight



11L Tank Capacity



18L Tank Capacity



19L Tank Capacity



24L Tank Capacity



25,5L Tank Capacity



26,5L Tank Capacity



No Assembly



Soundproof



Inverter Technology



Analogic Instrumentation



Digital Instrumentation



Digital Display



Automatic Voltage Regulation



Protection Oil Guard



Portability



Diesel Fuel



Petrol Fuel



Lpg Fuel



Open Version



Canopy Version



Container Version







# Portable

PRAMAC portable division meets the needs of both professional and amateur users, offering a wide product range: from electric generator sets to water pumps, from pressure washers to welder generators. Quality, efficiency and high product standards are achieved through the use of modern design and manufacturing techniques, exceeding international regulations for noise and environmental pollution.





# E Series

Light compact generators with a basic configuration and very easy to transport: the best balance between price and performance for the professional use.



Optional



## PETROL



## DIESEL

### PROPERTIES ADVANTAGES



Robust protective tubular frame (roll bar)



Easy access for inspection and maintenance



- Compact design
- Easy to transport



- Easy to use
- Start plug and work

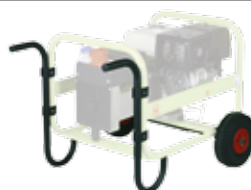
### OPTIONALS



- Extra protection with:
- differential protection 30mA
  - circuit breaker
  - hourmeter
  - ASCOFDIFF (supplement)



Manual transfer switch 40A (for manual control versions 230V)



Transportation kit with fixed handles



Transportation kit with height-adjustable folding handles



**E SERIES PETROL**

GENERATING SET	E 3200				E 4000				E 5000				E 8000																			
	SINGLE PHASE								THREE PHASE																							
POWER SUPPLY																																
<b>POWER THREE PHASE</b>																																
STAND BY POWER LTP	kW / kVA				-				-				5,0 / 6,3				6,6 / 8,3															
CONTINUOUS POWER COP	kW / kVA				-				-				4,3 / 5,4				5,6 / 7,0															
<b>POWER SINGLE PHASE</b>																																
STAND BY POWER LTP	kW / kVA				2,6 / 2,9				3,1 / 3,4				4,6 / 5,1				6,4 / 7,2															
CONTINUOUS POWER COP	kW / kVA				2,2 / 2,5				2,6 / 2,9				3,9 / 4,2				5,5 / 6,0															
<b>POWER SPECIFICATIONS</b>																																
VOLTAGE	Volt				230				230				230				230															
FREQUENCY	Hz				50				50				50				50															
POWER FACTOR	cos φ				0,9				0,9				0,9				0,9															
<b>ENGINE</b>																																
BRAND	Honda				Honda				Honda				Honda				Honda															
MODEL	GX160				GX200				GX270				GX390				GX270				GX390											
FUEL	Petrol				Petrol				Petrol				Petrol				Petrol				Petrol											
DISPLACEMENT	cc				163				196				270				389				270				389							
SPEED	rpm				3000				3000				3000				3000				3000											
CYLINDER	1 inclined				1 inclined				1 inclined				1 inclined				1 inclined				1 inclined											
COOLING SYSTEM	Air				Air				Air				Air				Air				Air											
STARTING SYSTEM	Recoil				Recoil				Recoil				Recoil				Recoil				Recoil											
<b>CONSUMPTION</b>																																
FUEL CONSUMPTION at 75% of load	L/h				0,88				1,18				1,67				2,14				1,66				2,15							
FUEL TANK CAPACITY	L				3,1				3,1				5,3				6,1				5,3				6,1							
RUNNING TIME at 75% of load	h				3,52				2,63				3,17				2,85				3,19				2,84							
<b>NOISE EMISSION</b>																																
NOISE PRESSURE LEVEL at 7 mt	db(A)				66				68				69				69				69				69							
GUARANTEED SOUND POWER LEVEL	LWA db(A)				94				96				97				97				97				97							
<b>DIMENSION AND WEIGHT</b>																																
LENGTH	mm				640				640				715				750				715				750							
WIDTH	mm				458				458				540				578				540				578							
HEIGHT	mm				400				400				490				531				490				531							
WEIGHT (DRY)	kg				38				38				61				72				74				75							
<b>STANDARD EQUIPMENTS**</b>																																
FUEL TANK MATERIAL	Metal				Metal				Metal				Metal				Metal				Metal											
SOCKETS	2 x 230V Schuko 16A IP54				2 x 230V Schuko 16A IP54				1 x 230V Schuko 16A IP54				1 x 230V CEE 16A IP44				1 x 230V CEE 32A IP44				1 x 230V Schuko 16A IP54				1 x 230V CEE 16A IP44				1 x 400V CEE 16A IP44			
<b>PROTECTIONS**</b>																																
OIL GUARD	√				√				√				√				√				√											
THERMAL PROTECTION	√				√				√				√				√				√											
ALTERNATOR PROTECTION	IP				23				23				23				23				23											
<b>OPTIONALS</b>																																
DIFFERENTIAL PROTECTION + HOURMETER (ASCOFDIFF)	s				s				s				s				-				-											
MTS- MANUAL TRANSFER SWITCH	o				o				o				o				o				o											
TRANSPORTATION KIT With fixed handles	o				o				o				o				o				o											
TRANSPORTATION KIT With folding handles	o				o				o				o				o				o											

**E SERIES DIESEL**

GENERATING SET	E 4500 *				E 6500 *				E 4500 *				E 6000 *											
	SINGLE PHASE								THREE PHASE															
POWER SUPPLY																								
<b>POWER THREE PHASE</b>																								
STAND BY POWER LTP	kW / kVA				-				-				3,7 / 4,7				5,5 / 6,9							
CONTINUOUS POWER COP	kW / kVA				-				-				3,2 / 4,0				4,5 / 5,7							
<b>POWER SINGLE PHASE</b>																								
STAND BY POWER LTP	kW / kVA				3,5 / 3,9				5,3 / 5,9				2,8 / 3,1				3,6 / 4,0							
CONTINUOUS POWER COP	kW / kVA				3,0 / 3,3				4,4 / 4,9				2,0 / 2,3				3,2 / 3,5							
<b>POWER SPECIFICATIONS</b>																								
VOLTAGE	Volt				230				230				230				230							
FREQUENCY	Hz				50				50				50				50							
POWER FACTOR	cos φ				0,9				0,9				0,8/0,9				0,8/0,9							
<b>ENGINE</b>																								
BRAND	Yanmar				Yanmar				Yanmar				Yanmar				Yanmar							
MODEL	L70N				L100N				L70N				L100N				L70N				L100N			
FUEL	Diesel				Diesel				Diesel				Diesel				Diesel							
DISPLACEMENT	cc				320				435				320				435							
SPEED	rpm				3000				3000				3000				3000							
CYLINDER	1 vertical				1 vertical				1 vertical				1 vertical				1 vertical							
COOLING SYSTEM	Air				Air				Air				Air				Air							
STARTING SYSTEM	Recoil				Recoil				Recoil				Recoil				Recoil							
<b>CONSUMPTION</b>																								
FUEL CONSUMPTION at 75% of load	L/h				0,93				1,45				0,93				1,46							
FUEL TANK CAPACITY	L				3,5				5,5				3,5				5,5							
RUNNING TIME at 75% of load	h				3,76				3,79				3,76				3,77							
<b>DIMENSION AND WEIGHT</b>																								
LENGTH	mm				760				760				760				760							
WIDTH	mm				540				540				540				540							
HEIGHT	mm				560				560				560				560							
WEIGHT (DRY)	kg				54				94				70				96							
<b>STANDARD EQUIPMENTS**</b>																								
FUEL TANK MATERIAL	Metal				Metal				Metal				Metal				Metal							
SOCKETS	1 x 230V SCHUKO 16A IP54				1 x 230V SCHUKO 16A IP54				1 x 230V SCHUKO 16A IP54				1 x 230V CEE 16A IP44				1 x 230V CEE 16A IP44				1 x 400V CEE 16A IP44			
<b>PROTECTIONS**</b>																								
THERMAL PROTECTION	√				√				√				√				√							
ALTERNATOR PROTECTION	IP				23				23				23				23							
<b>OPTIONALS</b>																								
DIFFERENTIAL PROTECTION + HOURMETER (ASCOFDIFF)	s				s				s				-				-							
MTS- MANUAL TRANSFER SWITCH	o				o				o				o				o							
TRANSPORTATION KIT With fixed handles	o				o				o				o				o							
TRANSPORTATION KIT With folding handles	o				o				o				o				o							

- = Not available - o = Accessory available - s = Supplement (version available when ordered) - √ = standard - \* = Equipment only for stationary installations - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# ES Series

Compact generators with long run tank and a basic configuration. The perfect economic solution when you need a long lasting professional power supply.



Optional



## PETROL

### PROPERTIES ADVANTAGES



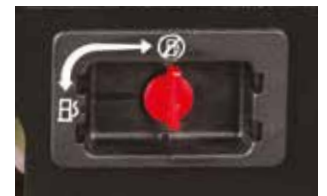
Protective carter made of sheet steel



Compact design  
Easy to use and transport



Big fuel integrated tank (11L)  
for an increased autonomy



Reachable fuel tap

### OPTIONALS



Extra protection with:

- differential protection 30mA
- circuit breaker
- hourmeter
- ASCOFDIFF (supplement)



Manual transfer switch 40A  
(for manual control versions  
230V)



Transportation kit with fixed  
handles



Transportation kit with  
height-adjustable folding  
handles

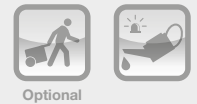
ES SERIES PETROL						
GENERATING SET	ES 3000	ES 4000	ES 5000	ES 8000	ES 5000	ES 8000
POWER SUPPLY	SINGLE PHASE				THREE PHASE	
<b>POWER THREE PHASE</b>						
STAND BY POWER LTP	kW / kVA	-	-	-	5,0 / 6,3	6,6 / 8,3
CONTINUOUS POWER COP	kW / kVA	-	-	-	4,3 / 5,4	5,6 / 7,0
<b>POWER SINGLE PHASE</b>						
STAND BY POWER LTP	kW / kVA	2,6 / 2,9	3,1 / 3,4	4,6 / 5,1	6,4 / 7,2	3,4 / 3,8
CONTINUOUS POWER COP	kW / kVA	2,2 / 2,5	2,6 / 2,9	3,9 / 4,2	5,5 / 6,0	3,2 / 3,5
<b>POWER SPECIFICATIONS</b>						
VOLTAGE	Volt	230	230	230	230	400 / 230
FREQUENCY	Hz	50	50	50	50	50
POWER FACTOR	cos $\Phi$	0,9	0,9	0,9	0,9	0,8 / 0,9
<b>ENGINE</b>						
BRAND		Honda	Honda	Honda	Honda	Honda
MODEL		GX160	GX200	GX270	GX390	GX270
FUEL		Petrol	Petrol	Petrol	Petrol	Petrol
DISPLACEMENT	cc	163	196	270	389	270
SPEED	rpm	3000	3000	3000	3000	3000
CYLINDER		1 inclined	1 inclined	1 inclined	1 inclined	1 inclined
COOLING SYSTEM		Air	Air	Air	Air	Air
STARTING SYSTEM		Recoil	Recoil	Recoil	Recoil	Recoil
<b>CONSUMPTION</b>						
FUEL CONSUMPTION at 75% of load	L/h	0,88	1,18	1,67	2,14	1,66
FUEL TANK CAPACITY	L	11	11	11	11	11
RUNNING TIME at 75% of load	h	12,5	9,32	6,59	5,14	6,63
<b>NOISE EMISSION</b>						
NOISE PRESSURE LEVEL at 7 mt	db(A)	68	67	69	69	69
GUARANTEED SOUND POWER LEVEL	LWA db(A)	96	95	97	97	97
<b>DIMENSION AND WEIGHT</b>						
LENGTH	mm	623	623	729	729	729
WIDTH	mm	409	409	500	500	500
HEIGHT	mm	500	500	536	536	536
WEIGHT (DRY)	kg	41	43	61	73	75
<b>STANDARD EQUIPMENTS **</b>						
FUEL TANK MATERIAL		Plastic	Plastic	Plastic	Plastic	Plastic
SOCKETS		2 x 230V Schuko 16A IP54		1 x 230V Schuko 16A IP54		1 x 230V Schuko 16A IP54
				1 x 230V CEE 16A IP44	1 x 230V CEE 32A IP44	1 x 230V CEE 16A IP44
						1 x 400V CEE 16A IP44
<b>PROTECTIONS**</b>						
OIL GUARD		√	√	√	√	√
THERMAL PROTECTION		√	√	√	√	√
ALTERNATOR PROTECTION	IP	23	23	23	23	23
<b>OPTIONALS</b>						
DIFFERENTIAL PROTECTION + HOURMETER (ASCOFDIFF)		s	s	s	s	-
AVR - AUTOMATIC VOLTAGE REGULATOR		s	s	s	s	s
MTS - MANUAL TRANSFER SWITCH		o	o	o	o	-
TRANSPORTATION KIT With fixed handles		o	o	o	o	o
TRANSPORTATION KIT With folding handles		o	o	o	o	o

- = Not available - o = Accessory available - s = Supplement (version available when ordered) - √ = standard - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)



# PX Series

Simple portable generator. Designed to offer a reliable and powerful machine at an attractive price.



Optional



PETROL

## PROPERTIES ADVANTAGES



Robust protective tubular frame (roll bar)



Easy access for inspection and maintenance



Compact design, easy to use and transport



- Honda GP engine
- Start plug and work

## OPTIONALS



Extra protection with:

- differential protection 30mA
- circuit breaker
- hourmeter
- ASCOFDIFF (supplement)



Manual transfer switch 40A (for manual control versions 230V)



Transportation kit with fixed handles



Transportation kit with height-adjustable folding handles

PX SERIES PETROL	
<b>GENERATING SET</b>	
POWER SUPPLY	
<b>POWER SINGLE PHASE</b>	
STAND BY POWER LTP	kW / kVA
CONTINUOUS POWER COP	kW / kVA
<b>POWER SPECIFICATIONS</b>	
VOLTAGE	Volt
FREQUENCY	Hz
POWER FACTOR	cos $\Phi$
<b>ENGINE</b>	
BRAND	Honda
MODEL	GP160
FUEL	Petrol
DISPLACEMENT	cc
SPEED	rpm
CYLINDER	1 inclined
COOLING SYSTEM	Air
STARTING SYSTEM	Recoil
<b>CONSUMPTION</b>	
FUEL CONSUMPTION at 75% of load	L/h
FUEL TANK CAPACITY	L
RUNNING TIME at 75% of load	h
<b>NOISE EMISSION</b>	
NOISE PRESSURE LEVEL at 7 mt	db(A)
GUARANTEED SOUND POWER LEVEL	LWA db(A)
<b>DIMENSION AND WEIGHT</b>	
LENGTH	mm
WIDTH	mm
HEIGHT	mm
WEIGHT (DRY)	kg
<b>STANDARD EQUIPMENTS **</b>	
FUEL TANK MATERIAL	Metal
SOCKETS	2 x 230V Schuko 16A IP54
TRANSPORTATION KIT	0
<b>PROTECTIONS**</b>	
OIL GUARD	√
THERMAL PROTECTION	√
ALTERNATOR PROTECTION	IP
<b>OPTIONALS</b>	
MTS- MANUAL TRANSFER SWITCH	0

SINGLE PHASE

0 = Accessory available - √ standard - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# PX Series

Engineered for intensive applications and designed with protective side rails, these generators combine endurance and functionality, being compact, efficient and reliable.



PETROL

## PROPERTIES ADVANTAGES



- Ready to use; no tools required.
- With integrated wheel and folding handle



Automatic Voltage Regulation (AVR) - as standard - for stabilizing the output voltage



Extractable Instruction Guide, located below the control panel



Control panel with CE sockets and 3 functions digital screen available (hourmeter, voltmeter, frequency meter)

## OPTIONALS



Manual transfer switch 40A (for manual control versions 230V)

PX SERIES PETROL				
GENERATING SET	PX 4000	PX 5000	PX 8000	PX 8000
POWER SUPPLY	SINGLE PHASE			THREE PHASE
<b>POWER THREE PHASE</b>				
STAND BY POWER LTP	-	-	-	4,8 / 6,0
CONTINUOUS POWER COP	-	-	-	4,0 / 5,0
<b>POWER SINGLE PHASE</b>				
STAND BY POWER LTP	2,7 / 3,0	3,6 / 4,0	5,4 / 6,0	1,8 / 2,0
CONTINUOUS POWER COP	2,3 / 2,5	2,7 / 3,0	4,5 / 5,0	1,3 / 1,5
<b>POWER SPECIFICATIONS</b>				
VOLTAGE	230	230	230	400 / 230
FREQUENCY	50	50	50	50
POWER FACTOR	0,9	0,9	0,9	0,8 / 0,9
<b>ENGINE</b>				
BRAND	Pramac OHV	Pramac OHV	Pramac OHV	Pramac OHV
MODEL	AP170F	AP188F	AP190F	AP190F
FUEL	Petrol	Petrol	Petrol	Petrol
DISPLACEMENT	cc	208	389	420
SPEED	rpm	3000	3000	3000
CYLINDER	1 inclined	1 inclined	1 inclined	1 inclined
COOLING SYSTEM	Air	Air	Air	Air
STARTING SYSTEM	Recoil	Recoil	Electric (+ Recoil)	Electric (+ Recoil)
<b>CONSUMPTION</b>				
FUEL CONSUMPTION at 75% of load	L/h	0,96	1,44	2
FUEL TANK CAPACITY	L	18,5	25,5	25,5
RUNNING TIME at 75% of load	h	19,27	17,71	12,75
<b>NOISE EMISSION</b>				
NOISE PRESSURE LEVEL at 7 mt	db(A)	68	69	69
GUARANTEED SOUND POWER LEVEL	LWA db(A)	96	97	97
<b>DIMENSION AND WEIGHT (with wheel kit assembled)</b>				
LENGTH	mm	600	727	727
WIDTH	mm	439	515	515
HEIGHT	mm	588	670	670
WEIGHT (DRY)	kg	53	79	94
<b>STANDARD EQUIPMENTS **</b>				
DIGITAL DISPLAY	V - Hz - h	V - Hz - h	V - Hz - h	V - Hz - h
FUEL TANK MATERIAL	Metal	Metal	Metal	Metal
ANALOG INSTRUMENTS	Fuel gauge	Fuel gauge	Fuel gauge	Fuel gauge
SOCKETS	2 x 230V Schuko 16A IP54		1 x 230V Schuko 16A IP54	1 x 230V Schuko 16A IP54
		1 x 230V CEE 16A IP44	1 x 230V CEE 16A IP44	1 x 230V CEE 16A IP44
			1 x 230V CEE 32A IP44	1 x 400V CEE 16A IP44
AVR - AUTOMATIC VOLTAGE REGULATOR	√	√	√	√
TRANSPORTATION KIT	√	√	√	√
<b>PROTECTIONS**</b>				
OIL GUARD	√	√	√	√
THERMAL PROTECTION	√	√	√	√
ALTERNATOR PROTECTION	IP	23	23	23
<b>OPTIONALS</b>				
MTS- MANUAL TRANSFER SWITCH	0	0	0	-

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# LP Series

Price affordable solution maximizing portability and ease of use, the LP is a liquid propane-fueled portable generator suitable for plenty of applications such as market walking, camping, worksite and home emergency power.



## LIQUID PROPANE GAS

### PROPERTIES ADVANTAGES



Easily adaptable to every standard gas cylinder LPG up to 300 mm diameter, the LP generator works connected to a LPG tank or directly with the public net \*



Extra filled cylinders can be stored without deterioration, so you can have extras on hand for emergencies. No fuel stabilizers are required



Control panel with CE sockets and 3 functions digital screen available (hourmeter, voltmeter, frequency meter)



Cylinders are usually readily available even during emergencies. They are commonly used by millions of power gas grills among other items.

### OPTIONALS



Practical belt to fit cylinders of lower dimensions



Manual transfer switch 40A (for manual control versions 230V)

\* LPG or butane gas only. No natural gas

LP SERIES LPG		LP 3200
<b>GENERATING SET</b>		
POWER SUPPLY		SINGLE PHASE
<b>POWER</b>		
STAND BY POWER LTP	kW / kVA	3,0 / 3,3
CONTINUOUS POWER COP	kW / kVA	2,5 / 2,7
<b>POWER SPECIFICATIONS</b>		
VOLTAGE	Volt	230
FREQUENCY	Hz	50
POWER FACTOR	cos $\Phi$	0,9
<b>ENGINE</b>		
BRAND		Pramac
MODEL		DJ170F
FUEL		Liquid Propane Gas
DISPLACEMENT	cc	208
SPEED	rpm	3000
CYLINDER		1 inclined
COOLING SYSTEM		Air
STARTING SYSTEM		Recoil
<b>CONSUMPTION</b>		
FUEL LPG CONSUMPTION at 75% of load	Kg/h	1
LPG CYLINDER	L	N/A
<b>NOISE EMISSION</b>		
NOISE PRESSURE LEVEL at 7 mt	db(A)	66
GUARANTEED SOUND POWER LEVEL	LWA db(A)	94
<b>DIMENSION AND WEIGHT (whit wheel mounted)</b>		
LENGTH	mm	718
WIDTH	mm	586
HEIGHT	mm	939
WEIGHT (DRY)	kg	58
<b>STANDARD EQUIPMENTS **</b>		
DIGITAL DISPLAY		V - Hz - h
SOCKETS		2 x Schuko 230V IP44
TRANSPORTATION KIT		√
AVR - AUTOMATIC VOLTAGE REGULATOR		√
<b>PROTECTIONS**</b>		
OIL GUARD		√
THERMAL MAGNETIC PROTECTION		√
ALTERNATOR PROTECTION	IP	23
<b>OPTIONALS</b>		
MTS- MANUAL TRANSFER SWITCH		o

SINGLE PHASE

o = Accessory available - √ standard - \*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# S-SP Series

Premium professional machine with high quality components, these multi-configuration generators are equipped with digital display and a complete sockets set, giving you the possibility of adding differential or isolated protection to ensure your safety at work.



Standard  
SP8000

SP8000  
Three phase



## PETROL SP8000



## PETROL

S5000  
S8000

### PROPERTIES ADVANTAGES



One side working area; no need for the operator to move around the generator



Very compact design, easy to move and store



Integrated wheel kit with foam grip handle



Digital display with frequency, volt and hourmeter. CONNector for electric version and differential or isometer protection as option

### OPTIONALS



Practical and user-friendly Instruction Guide



Metal fuel tank with 26,5 L capacity and fuel gauge



Automatic Mains Failure (AMF) panel and Remote Start/Stop



RSS Remote start/stop wireless for versions with CONNector (max open distance 90m)

S-SP SERIES PETROL

GENERATING SET	S 5000				S 8000				S 5000				S 8000				SP 8000															
	SINGLE PHASE								THREE PHASE																							
POWER SUPPLY	SINGLE PHASE																THREE PHASE															
<b>POWER THREE PHASE</b>																																
STAND BY POWER LTP	kW / kVA		-				-				5,0 / 6,3				6,6 / 8,3				7,1 / 8,8													
CONTINUOUS POWER COP	kW / kVA		-				-				4,3 / 5,4				5,6 / 7,0				5,4 / 6,8													
<b>POWER SINGLE PHASE</b>																																
STAND BY POWER LTP	kW / kVA		4,8 / 5,3				6,4 / 7,2				3,4 / 3,8				3,6 / 4,0				5,2 / 5,8													
CONTINUOUS POWER COP	kW / kVA		3,9 / 4,2				5,5 / 6,0				3,1 / 3,5				3,3 / 3,7				3,6 / 4,0													
<b>POWER SPECIFICATIONS</b>																																
VOLTAGE	Volt		230				230				400 / 230				400 / 230				400 / 230													
FREQUENCY	Hz		50				50				50				50				50													
POWER FACTOR	cos φ		0,9				0,9				0,8 / 0,9				0,8 / 0,9				0,8 / 0,9													
<b>ENGINE</b>																																
BRAND			Honda				Honda				Honda				Honda				Honda													
MODEL			GX270				GX390				GX270				GX390				GX390													
FUEL			Petrol				Petrol				Petrol				Petrol				Petrol													
DISPLACEMENT	cc		270				389				270				389				389													
SPEED	rpm		3000				3000				3000				3000				3000													
CYLINDER			1 inclined				1 inclined				1 inclined				1 inclined				1 inclined													
COOLING SYSTEM			Air				Air				Air				Air				Air													
STARTING SYSTEM			Recoil		Electric (+Recoil)		Recoil		Electric (+Recoil)		Recoil		Electric (+Recoil)		Recoil		Electric (+Recoil)															
<b>CONSUMPTION</b>																																
FUEL CONSUMPTION at 75% of load	L/h		1,67				2,14				1,66				2,15				2,15													
FUEL TANK CAPACITY	L		26,5				26,5				26,5				26,5				26,5													
RUNNING TIME at 75% of load	h		15,87				12,38				15,96				12,33				12,33													
<b>NOISE EMISSION</b>																																
NOISE PRESSURE LEVEL at 7 mt	db(A)		69				69				69				69				69													
GUARANTEED SOUND POWER LEVEL	LWA db(A)		97				97				97				97				97													
<b>DIMENSION AND WEIGHT (with wheel kit assembled)</b>																																
LENGTH	mm		840				840				840				840				840													
WIDTH	mm		615				615				615				615				615													
HEIGHT	mm		753				753				753				753				753													
WEIGHT (DRY)	kg		83		89		91		97		86		97		92		103		110		116											
<b>STANDARD EQUIPMENTS **</b>																																
DIGITAL DISPLAY			V - Hz - h				V - Hz - h				V - Hz - h				V - Hz - h				V - Hz - h													
FUEL TANK MATERIAL			Metal				Metal				Metal				Metal				Metal													
ANALOG INSTRUMENTS			Fuel gauge				Fuel gauge				Fuel gauge				Fuel gauge				Fuel gauge													
SOCKETS			1 x 230V Schuko 16A IP54								1 x 230V Schuko 16A IP54								2 x 230V Schuko 16A IP54													
			1 x 230V CEE 16A IP44				1 x 230V CEE 16A IP44				1 x 230V CEE 16A IP44				1 x 230V CEE 16A IP44				1 x 400V CEE 16A IP67													
			1 x 230V CEE 32A IP44				1 x 230V CEE 32A IP44				1 x 400V CEE 16A IP44				1 x 400V CEE 16A IP44				-													
BATTERY CHARGER			12V DC 10A				12V DC 10A				12V DC 10A				12V DC 10A				-													
CONNector for AMF/RSS			-		√		-		√		-		√		-		√		-													
TRANSPORTATION KIT			√				√				√				√																	
<b>PROTECTIONS**</b>																																
OIL GUARD			√				√				√				√				√													
MAGNETO THERMAL PROTECTION			s				s				√				√				√													
THERMAL PROTECTION			√				√				-				-				-													
PROTECTION 12V DC			Fuse 10A				Fuse 10A				Fuse 10A				Fuse 10A				-													
ALTERNATOR PROTECTION	IP		23				23				23				23				54													
<b>OPTIONALS</b>																																
AVR - AUTOMATIC VOLTAGE REGULATOR			s				s				s				s				√													
DIFFERENTIAL PROTECTION	DPP		s				s				s				s				-													
ISOMETER PROTECTION	IPP		s				s				s				s				√													
AMF - AUTOMATIC CONTROL PANEL (CONN)			-		0		-		0		-		0		-		0		-													
RSS - REMOTE START / STOP (CONN)			-		0		-		0		-		0		-		0		-													
MTS- MANUAL TRANSFER SWITCH			0				0				-				-				-													

- = Not available - 0 = Accessory available - s = Supplement (version available when ordered) - √ standard - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)



# S-SP Series

This top of the range machine is equipped with control panel, long running tank. A special version is available also with IP54 electric protection and Automatic Voltage Regulator: the professional package to make your work easier.



Optional S  
Standard SP

SP12000

Optional



## PETROL SP12000



## PETROL S12000

### PROPERTIES ADVANTAGES



Protective carter made of sheet steel



Tubular frame with integrated battery box



Big fuel integrated tank for an increased autonomy



Reachable fuel tap

### OPTIONALS



Automatic Mains Failure (AMF) panel



RSS Remote start/stop wireless for versions with CONNector (max open distance 90m)



Transportation kit with fixed handles



Transportation kit with height-adjustable folding handles

S-SP 12000 SERIES PETROL

GENERATING SET		S 12000	S 12000	SP 12000
POWER SUPPLY		SINGLE PHASE		
POWER THREE PHASE		THREE PHASE		
STAND BY POWER LTP	kW / kVA	-	11,1 / 13,9	11,1 / 13,8
CONTINUOUS POWER COP	kW / kVA	-	9,5 / 11,8	9,4 / 11,8
POWER SINGLE PHASE				
STAND BY POWER LTP	kW / kVA	10,7 / 11,9	5,0 / 5,6	6,8 / 7,5
CONTINUOUS POWER COP	kW / kVA	9,1 / 10,0	4,5 / 5,0	6,1 / 6,8
POWER SPECIFICATIONS				
VOLTAGE	Volt	230	400 / 230	400 / 230
FREQUENCY	Hz	50	50	50
POWER FACTOR	cos Φ	0,9	0,8 / 0,9	0,8 / 0,9
ENGINE				
BRAND		Honda	Honda	Honda
MODEL		GX630	GX630	GX630
FUEL		Petrol	Petrol	Petrol
DISPLACEMENT	cc	688	688	688
SPEED	rpm	3000	3000	3000
CYLINDER		2V angle	2V angle	2V angle
COOLING SYSTEM		Air	Air	Air
STARTING SYSTEM		Electric	Electric	Electric
CONSUMPTION				
FUEL CONSUMPTION at 75% of load	L/h	4,23	4,16	4,23
FUEL TANK CAPACITY	L	24,0	24,0	24,0
RUNNING TIME at 75% of load	h	5,67	5,77	5,67
NOISE EMISSION				
NOISE PRESSURE LEVEL at 7 mt	db(A)	68	68	68
GUARANTEED SOUND POWER LEVEL	LWA db(A)	96	96	96
DIMENSION AND WEIGHT				
LENGTH	mm	960	960	960
WIDTH	mm	641	641	641
HEIGHT	mm	667	667	667
WEIGHT (DRY)	kg	162	165	170
STANDARD EQUIPMENTS **				
FUEL TANK MATERIAL		Plastic	Plastic	Plastic
ANALOG INSTRUMENTS		s	s	Voltmeter + Hourmeter
SOCKETS		1 x 230V Schuko 16A IP54	1 x 230V Schuko 16A IP54	3 x 230V Schuko 16A IP54
		1 x 230V CEE 16A IP44	2 x 230V CEE 16A IP44	1 x 400V CEE 16A IP67
		1 x 230V CEE 32A IP44	1 x 400V CEE 16A IP44	1 x 400V CEE 32A IP67
CONNector for AMF/RSS		√	√	-
PROTECTIONS**				
OIL GUARD		√	√	√
MAGNETO THERMAL PROTECTION		√	√	√
ALTERNATOR PROTECTION	IP	23	23	54
OPTIONALS				
AVR - AUTOMATIC VOLTAGE REGULATOR		s	s	√
DIFFERENTIAL PROTECTION	DPP	s	s	-
ISOMETER PROTECTION	IPP	s	s	√
AMF - AUTOMATIC CONTROL PANEL (CONN)		o	o	-
RSS - REMOTE START / STOP (CONN)		o	o	-
MTS- MANUAL TRANSFER SWITCH		o	-	-
TRANSPORTATION KIT With fixed handles		o	o	o
TRANSPORTATION KIT With folding handles		o	o	o

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# S Series

Designed to ensure safety and reliability even in the most delicate situations, this range offers a robust package with a modern and economical fuel efficient diesel engine, showing the excellence of PRAMAC's professional equipment.



Optional

S6000  
S6500  
S15000  
(S9000 analogic)



## DIESEL

### PROPERTIES ADVANTAGES



Protective carter made of sheet steel



Tubular frame with integrated battery box



Big fuel integrated tank for an increased autonomy (24L)



Reachable fuel tap

### OPTIONALS



Automatic Mains Failure (AMF) panel



RSS Remote start/stop wireless for versions with CONNector (max open distance 90m)



Transportation kit with height-adjustable folding handles



Full range of customized control panels available. For all the possible configurations, visit [www.pramac.com](http://www.pramac.com)

S SERIES DIESEL							
GENERATING SET	S 6500	S 9000	S 15000	S 6000	S 9000	S 15000	
POWER SUPPLY	SINGLE PHASE			THREE PHASE			
<b>POWER THREE PHASE</b>							
STAND BY POWER LTP	kW / kVA	-	-	-	5,5 / 6,9	8,2 / 10,3	12,3 / 15,4
CONTINUOUS POWER COP	kW / kVA	-	-	-	4,5 / 5,6	7,0 / 8,8	11,7 / 14,6
<b>POWER SINGLE PHASE</b>							
STAND BY POWER LTP	kW / kVA	5,3 / 5,9	7,9 / 8,8	12,2 / 13,6	2,9 / 3,2	3,4 / 3,8	4,9 / 5,4
CONTINUOUS POWER COP	kW / kVA	4,4 / 4,8	6,8 / 7,6	11,5 / 12,8	2,7 / 3,0	3,0 / 3,3	4,5 / 5
<b>POWER SPECIFICATIONS</b>							
VOLTAGE	Volt	230	230	230	400 / 230	400 / 230	400 / 230
FREQUENCY	Hz	50	50	50	50	50	50
POWER FACTOR	cos Φ	0,9	0,9	0,9	0,8 / 0,9	0,8 / 0,9	0,8 / 0,9
<b>ENGINE</b>							
BRAND		Yanmar	Lombardini	Lombardini	Yanmar	Lombardini	Lombardini
MODEL		L100N	25LD330	12LD477	L100N	25LD330	12LD477
FUEL		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
DISPLACEMENT	cc	435	654	954	435	654	954
SPEED	rpm	3000	3000	3000	3000	3000	3000
CYLINDER		1 vertical	2 in line	2 in line	1 vertical	2 in line	2 in line
COOLING SYSTEM		Air	Air	Air	Air	Air	Air
STARTING SYSTEM		Electric (+Recoil)	Electric	Electric	Electric (+Recoil)	Electric	Electric
<b>CONSUMPTION</b>							
FUEL CONSUMPTION at 75% of load	L/h	1,46	2,17	2,79	1,45	2,17	2,84
FUEL TANK CAPACITY	L	24	24	24	24	24	24
RUNNING TIME at 75% of load	h	16,44	11,06	8,6	16,55	11,06	8,45
<b>DIMENSION AND WEIGHT</b>							
LENGTH	mm	840	960	960	840	960	960
WIDTH	mm	641	641	641	641	641	641
HEIGHT	mm	696	667	807	696	667	807
WEIGHT (DRY)	kg	114	157	193	124	160	200
<b>STANDARD EQUIPMENTS **</b>							
DIGITAL DISPLAY		V - Hz - h	-	V - Hz - h	V - Hz - h	-	V - Hz - h
ANALOG INSTRUMENTS		-	-	-	-	Voltmeter	-
FUEL TANK MATERIAL		Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
SOCKETS		1 x 230V Schuko 16A IP54	3 x 230V Schuko 16A IP54	1 x 230V CEE 16A IP44	1 x 230V CEE 16A IP44	1 x 230V CEE 16A IP44	3 x 230V Schuko 16A IP54
		1 x 230V CEE 32A IP44	-	1 x 230V CEE 32A IP44	2 x 230V CEE 16A IP44	1 x 400V CEE 16A IP44	1 x 400V CEE 16A IP44
		1 x 230V CEE 32A IP44	-	1 x 230V CEE 32A IP44	1 x 400V CEE 16A IP44	-	1 x 400V CEE 32A IP44
BATTERY CHARGER		12V DC 10A	-	-	12V DC 10A	-	-
DIFFERENTIAL PROTECTION	DPP	√	-	-	√	√	-
CONNector for AMF/RSS		√	-	-	√	-	-
<b>PROTECTIONS**</b>							
OIL GUARD		√	√	√	√	√	√
MAGNETO THERMAL PROTECTION		√	-	√	√	√	√
THERMAL PROTECTION		√	√	√	-	√	√
PROTECTION 12V DC		Fuse 10A	-	-	Fuse 10A	-	-
ALTERNATOR PROTECTION	IP	23	23	23	23	23	23
<b>OPTIONALS</b>							
AMF - AUTOMATIC CONTROL PANEL (CONN)		0	-	-	0	-	-
RSS - REMOTE START / STOP (CONN)		0	-	-	0	-	-
MTS - MANUAL TRANSFER SWITCH		0	0	0	-	-	-
TRANSPORTATION KIT With fixed handles		0	0	0	0	0	0
TRANSPORTATION KIT With folding handles		0	0	0	0	0	0

- = Not available - 0 = Accessory available - √ standard - \*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)



# P Series

Air-cooled generators engineered to give you the best performance with low noise levels. Available both in diesel and petrol version.



P6000  
P9000  
P12000

P6000  
P9000  
P12000

only on  
P4500

Optional  
Standard  
P9000



## PETROL

P12000

## DIESEL

P6000

P9000



## DIESEL

P4500

### PROPERTIES ADVANTAGES



Prewired CONNector for remote control



Robust protective frame with integrated battery box



Protection oil guard: low oil shutdown system



Digital Display (Voltmeter, Frequency meter, hourmeter) available on P6000, P9000, P12000

### OPTIONALS



Automatic Mains Failure (AMF) panel



Remote Start/Stop (RSS) wireless for versions with CONNector (max open distance 90m)



Manual transfer switch 40A (for manual control versions 230V)



Transportation kit with folding handles

P SERIES DIESEL

GENERATING SET	P 4500			P 6000			P 9000		
	SINGLE PHASE			SINGLE PHASE			THREE PHASE		
POWER SUPPLY									
<b>POWER THREE PHASE</b>									
STAND BY POWER LTP	kW / kVA			-			5,5 / 6,9		
CONTINUOUS POWER COP	kW / kVA			-			4,5 / 5,6		
<b>POWER SINGLE PHASE</b>									
STAND BY POWER LTP	kW / kVA			3,7 / 4,1			5,3 / 5,9		
CONTINUOUS POWER COP	kW / kVA			3,1 / 3,5			4,3 / 4,8		
<b>POWER SPECIFICATIONS</b>									
VOLTAGE	Volt			230			230		
FREQUENCY	Hz			50			50		
POWER FACTOR	cos φ			0,9			0,9		
<b>ENGINE</b>									
BRAND	Yanmar			Yanmar			Lombardini		
MODEL	L70N			L100N			25LD330		
FUEL	Diesel			Diesel			Diesel		
DISPLACEMENT	cc			320			435		
SPEED	rpm			3000			3000		
CYLINDER	1 vertical			1 vertical			2 in line		
COOLING SYSTEM	Air			Air			Air		
STARTING SYSTEM	Recoil			Electr. (+ Recoil)			Electric		
<b>CONSUMPTION</b>									
FUEL CONSUMPTION at 75% of load	L/h			0,93			1,45		
FUEL TANK CAPACITY	L			18,0			24,0		
RUNNING TIME at 75% of load	h			19,35			16,55		
<b>NOISE EMISSION</b>									
NOISE PRESSURE LEVEL at 7 mt	db(A)			68			65		
GUARANTEED SOUND POWER LEVEL	LWA db(A)			96			93		
<b>DIMENSION AND WEIGHT</b>									
LENGTH	mm			800			990		
WIDTH	mm			520			602		
HEIGHT	mm			690			826		
WEIGHT (DRY)	kg			94			99		
<b>STANDARD EQUIPMENTS **</b>									
DIGITAL DISPLAY	-			-			-		
ANALOG INSTRUMENTS	-			-			-		
FUEL TANK MATERIAL	-			-			-		
SOCKETS	-			-			-		
AVR - AUTOMATIC VOLTAGE REGULATOR	-			-			-		
CONNector for AMF/RSS	-			-			-		
<b>PROTECTIONS**</b>									
OIL GUARD	-			-			-		
MAGNETO THERMAL PROTECTION	-			-			-		
THERMAL PROTECTION	-			-			-		
DIFFERENTIAL PROTECTION	DPP			-			-		
ALTERNATOR PROTECTION	IP			23			23		
<b>OPTIONALS</b>									
AMF - AUTOMATIC CONTROL PANEL (CONN)	-			0			0		
RSS - REMOTE START / STOP (CONN)	-			0			0		
MTS- MANUAL TRANSFER SWITCH	0			0			0		
TRANSPORTATION KIT With fixed handles	0			-			-		
TRANSPORTATION KIT With folding handles	0			0			0		

P SERIES PETROL

GENERATING SET	P 12000			P 12000		
	SINGLE PHASE			THREE PHASE		
POWER SUPPLY						
<b>POWER THREE PHASE</b>						
STAND BY POWER LTP	kW / kVA			-		
CONTINUOUS POWER COP	kW / kVA			11,1 / 13,9		
<b>POWER SINGLE PHASE</b>						
STAND BY POWER LTP	kW / kVA			10,7 / 11,9		
CONTINUOUS POWER COP	kW / kVA			9,1 / 10,0		
<b>POWER SPECIFICATIONS</b>						
VOLTAGE	Volt			230		
FREQUENCY	Hz			50		
POWER FACTOR	cos φ			0,9		
<b>ENGINE</b>						
BRAND	Honda			Honda		
MODEL	GX630			GX630		
FUEL	Petrol			Petrol		
DISPLACEMENT	cc			688		
SPEED	rpm			3000		
CYLINDER	2 V angle			2 V angle		
COOLING SYSTEM	Air			Air		
STARTING SYSTEM	Electric			Electric		
<b>CONSUMPTION</b>						
FUEL CONSUMPTION at 75% of load	L/h			4,23		
FUEL TANK CAPACITY	L			24,0		
RUNNING TIME at 75% of load	h			5,67		
<b>NOISE EMISSION</b>						
NOISE PRESSURE LEVEL at 7 mt	db(A)			61		
GUARANTEED SOUND POWER LEVEL	LWA db(A)			89		
<b>DIMENSION AND WEIGHT</b>						
LENGTH	mm			990		
WIDTH	mm			602		
HEIGHT	mm			826		
WEIGHT (DRY)	kg			188		
<b>STANDARD EQUIPMENTS **</b>						
DIGITAL DISPLAY	-			-		
ANALOG INSTRUMENTS	-			-		
FUEL TANK MATERIAL	-			-		
SOCKETS	-			-		
AVR - AUTOMATIC VOLTAGE REGULATOR	-			-		
CONNector for AMF/RSS	-			-		
<b>PROTECTIONS**</b>						
OIL GUARD	-			-		
MAGNETO THERMAL PROTECTION	-			-		
THERMAL PROTECTION	-			-		
DIFFERENTIAL PROTECTION	DPP			-		
ALTERNATOR PROTECTION	IP			23		
<b>OPTIONALS</b>						
AMF - AUTOMATIC CONTROL PANEL (CONN)	-			0		
RSS - REMOTE START / STOP (CONN)	-			0		
MTS- MANUAL TRANSFER SWITCH	0			-		
TRANSPORTATION KIT With fixed handles	-			-		
TRANSPORTATION KIT With folding handles	0			0		

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

# P Series

Super silent air-cooled generators engineered to give you the best performance meeting the lowest noise levels.



## DIESEL

### PROPERTIES ADVANTAGES



High-level noise suppression, (noise tested in our own dedicated semi anechoic chamber)



Fully equipped control panel with sockets and CONNector (prewired for remote control RSS or AMF)



Protection oil guard: low oil shutdown system



Engine protection unit: High engine temperature; Low oil pressure; Low Fuel Level; Battery Charger alternator failure

### OPTIONALS



Visual fuel level indicator and lateral fuel refilling (no need to open the generator)



Automatic Mains Failure (AMF) panel



Remote Start/Stop (RSS) wireless for versions with CONNector (max open distance 90m)



Transportation kit with folding handles



P SERIES DIESEL

GENERATING SET	P 6000 s		P 6000 s	
	SINGLE PHASE		THREE PHASE	
POWER SUPPLY			THREE PHASE	
<b>POWER THREE PHASE</b>				
STAND BY POWER LTP	kW / kVA	-	5,5 / 6,9	
CONTINUOUS POWER COP	kW / kVA	-	4,5 / 5,6	
<b>POWER SINGLE PHASE</b>				
STAND BY POWER LTP	kW / kVA	5,4 / 5,9	2,9 / 3,2	
CONTINUOUS POWER COP	kW / kVA	4,4 / 4,9	2,7 / 3,0	
<b>POWER SPECIFICATIONS</b>				
VOLTAGE	Volt	230	400 / 230	
FREQUENCY	Hz	50	50,00	
POWER FACTOR	cos $\Phi$	0,9	0,8 / 0,9	
<b>ENGINE</b>				
BRAND		Yanmar	Yanmar	
MODEL		L100N	L100N	
FUEL		Diesel	Diesel	
DISPLACEMENT	cc	435	435	
SPEED	rpm	3000	3000	
CYLINDER		1 vertical	1 vertical	
COOLING SYSTEM		Air	Air	
STARTING SYSTEM		Electric	Electric	
<b>CONSUMPTION</b>				
FUEL CONSUMPTION at 75% of load	L/h	1,45	1,46	
FUEL TANK CAPACITY	L	19,0	19	
RUNNING TIME at 75% of load	h	13,1	13,01	
<b>NOISE EMISSION</b>				
NOISE PRESSURE LEVEL at 7 mt	db(A)	56	56	
GUARANTEED SOUND POWER LEVEL	LWA db(A)	84	84	
<b>DIMENSION AND WEIGHT</b>				
LENGTH	mm	970	970	
WIDTH	mm	580	580	
HEIGHT	mm	927	927	
WEIGHT (DRY)	kg	203	203	
<b>STANDARD EQUIPMENTS **</b>				
ANALOG INSTRUMENTS		Voltmeter	Voltmeter	
FUEL TANK MATERIAL		Plastic	Plastic	
SOCKETS		1 x 230V Schuko 16A IP54 1 x CEE 230V 16A IP44 1 x CEE 230V 32A IP44	1 x 230V Schuko 16A IP54 1 x CEE 230V 16A IP44 1 x CEE 400V 16A IP44	
CONNector for AMF/RSS		√	√	
<b>PROTECTIONS**</b>				
ENGINE PROTECTION UNIT		√	√	
- OIL GUARD		√	√	
- HIGH ENGINE TEMPERATURE		√	√	
- LOW FUEL LEVEL		√	√	
- BATTERY CHARGER ALTERNATOR FAILURE		√	√	
MAGNETO THERMAL PROTECTION		√	√	
THERMAL PROTECTION		√	√	
DIFFERENTIAL PROTECTION	DPP	√	√	
ALTERNATOR PROTECTION	IP	23	23	
<b>OPTIONALS</b>				
AMF - AUTOMATIC CONTROL PANEL (CONN)		0	0	
RSS - REMOTE START / STOP (CONN)		0	0	
MTS- MANUAL TRANSFER SWITCH		0	-	
TRANSPORTATION KIT With folding handles		0	0	

- = Not available - 0 = Accessory available - √ standard - \*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# P Series

Air-cooled and water-cooled generators engineered to give you the best performance meeting the lowest noise levels. Designed to be easily moved especially in construction yards.



## DIESEL

### P12000



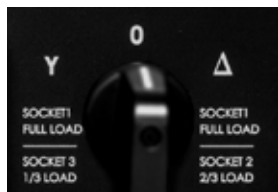
## DIESEL

### P11000

### PROPERTIES ADVANTAGES



Complete control panel with isometer. For other configurations and detailed specifications visit: [www.pramac.com](http://www.pramac.com)



Three phase versions with power selector DELTA STAR (P11000 / P12000 Hatz)



Canopy can be easily opened for inspection and maintenance operations (P11000)



Canopy can be easily opened for inspection and maintenance operations (P12000)

### OPTIONALS



Automatic Mains Failure (AMF) panel



Coolant pre-heating system (PHS)



Transportation kit for construction site with strong handles and reinforced wheels (Standard on P12000 Hatz)



Transportation kit for construction site with strong handles and reinforced wheels (Optional on P11000)



Remote Start/Stop (RSS) wireless for versions with CONNector (max open distance 90m)

P SERIES DIESEL				
GENERATING SET	P 11000		P 11000 P 12000	
	SINGLE PHASE		THREE PHASE	
POWER SUPPLY				
<b>POWER THREE PHASE</b>				
STAND BY POWER LTP	kW / kVA	-	8,6 / 10,8	12,6 / 15,8
CONTINUOUS POWER COP	kW / kVA	-	8,0 / 10,0	9,6 / 12,0
<b>POWER SINGLE PHASE</b>				
STAND BY POWER LTP	kW / kVA	9,7 / 10,8	5,9 / 6,6*	8,2 / 9,1*
CONTINUOUS POWER COP	kW / kVA	9,0 / 10,0	5,4 / 6,0*	7,7 / 8,5*
<b>POWER SPECIFICATIONS</b>				
VOLTAGE	Volt	230	400 / 230	400 / 230
FREQUENCY	Hz	50	50	50
POWER FACTOR	cos $\Phi$	0,9	0,8/0,9	0,8/0,9
<b>ENGINE</b>				
BRAND		Yanmar	Yanmar	Hatz
MODEL		3TNV70-HGE	3TNV70-HGE	2G40
FUEL		Diesel	Diesel	Diesel
DISPLACEMENT	cc	854	854	997
SPEED	rpm	3000	3000	3000
CYLINDER		3 in line	3 in line	2 in line
COOLING SYSTEM		Water	Water	Air
STARTING SYSTEM		Electric	Electric	Electric
<b>CONSUMPTION</b>				
FUEL CONSUMPTION at 75% of load	L/h	3,05	2,65	2,74
FUEL TANK CAPACITY	L	24	24	17
RUNNING TIME at 75% of load	h	7,87	9,06	6,2
<b>NOISE EMISSION</b>				
NOISE PRESSURE LEVEL at 7 mt	db(A)	68	68	69
GUARANTEED SOUND POWER LEVEL	LWA db(A)	96	96	97
<b>DIMENSION AND WEIGHT</b>				
LENGTH	mm	1400	1400	1270
WIDTH	mm	650	650	610
HEIGHT	mm	975	975	816
WEIGHT (DRY)	kg	325	325	275
<b>STANDARD EQUIPMENTS **</b>				
ANALOG INSTRUMENTS		Voltmeter Hourmeter	Voltmeter Hourmeter	Voltmeter Hourmeter
FUEL TANK MATERIAL		Plastic	Plastic	Plastic
POWER SELECTOR DELTA STAR		-	√*	√*
SOCKETS		2 x CEE 230V 16A IP44 1 x CEE 230V 32A IP44	1 x CEE 230V 16A IP44 1 x CEE 230V 32A IP44 1 x CEE 400V 16A IP44	1 x CEE 230V 16A IP44 1 x CEE 230V 32A IP44 1 x CEE 400V 16A IP44
CONNector for AMF/RSS		-	-	s
<b>PROTECTIONS**</b>				
OIL GUARD		√	√	Lamp alert
HIGH ENGINE TEMPERATURE		√	√	-
MAGNETO THERMAL PROTECTION		√	√	√
THERMAL PROTECTION		√	√	√
ISOMETER PROTECTION	IPP	√	√	√
ALTERNATOR PROTECTION	IP	23	23	23
<b>OPTIONALS</b>				
AMF - AUTOMATIC CONTROL PANEL		s	s	s
PHS - COOLANT PRE-HEATING SYSTEM		s (only for AMF)	s (only for AMF)	-
RSS - REMOTE START / STOP (CONN)		-	-	s
MTS- MANUAL TRANSFER SWITCH		o	-	-
TRANSPORTATION KIT		o	o	√

- = Not available - o = Accessory available - s = Supplement (version available when ordered) - √ standard - \* = Power 230V available with commutator DELTA STAR

\*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)



# P Inverter Series

When your target is to provide clean and stable power for sensitive electronics, the P Inverter Series is a top performer: easy to carry, fuel efficient and with low-noise level.



## PETROL

P3000i  
P4500i



## PETROL

P2000i



### PROPERTIES ADVANTAGES



Electronic inverter technology ideal for applications requiring low noise and a high-quality, stable voltage



Auto power save for adjusting the motor speed according to the power required by the load. Reduced consumption. Low noise level



Control panel complete with command controls, instrumentation and service outlets. P2000i provided with parallel kit



Lightweight and compact, easily transportable by handles or four wheels

### OPTIONALS



Easy to handle and transport



Yamaha MZ80 engine (P2000i)



- Robin-Subaru engine EX17 (P3000i)
- Robin-Subaru engine EX27 (P4500i)



Manual transfer switch 40A (for manual control versions 230V)

P SERIES INVERTER PETROL				
INVERTER		P 2000 i	P 3000 i	P 4500 i
POWER SUPPLY		SINGLE PHASE		
<b>POWER SINGLE PHASE</b>				
STAND BY POWER LTP	kW / kVA	2,0 / 2,0	2,8 / 2,8	4,3 / 4,3
CONTINUOUS POWER COP	kW / kVA	1,6 / 1,6	2,5 / 2,5	3,8 / 3,8
<b>POWER SPECIFICATIONS</b>				
VOLTAGE	Volt	230	230	230
FREQUENCY	Hz	50	50	50
POWER FACTOR	cos $\Phi$	1	1	1
<b>ENGINE</b>				
BRAND		Yamaha	Robin-Subaru	Robin-Subaru
MODEL		MZ80	EX17	EX27
FUEL		Petrol	Petrol	Petrol
DISPLACEMENT	cc	79	169	265
SPEED	rpm	Variable	Variable	Variable
CYLINDER		1 vertical	1 inclined	1 inclined
COOLING SYSTEM		Air	Air	Air
STARTING SYSTEM		Recoil	Recoil	Electric
<b>CONSUMPTION</b>				
FUEL CONSUMPTION at 75% of load	L/h	0,79	1,25	1,66
FUEL TANK CAPACITY	L	4,2	10,8	12,8
RUNNING TIME at 75% of load	h	5,3	8,6	7,7
<b>NOISE EMISSION</b>				
NOISE PRESSURE LEVEL at 7 mt	db(A)	59	58	62
GUARANTEED SOUND POWER LEVEL	LWA db(A)	91	90	93
<b>DIMENSION AND WEIGHT</b>				
LENGTH	mm	498	537	580
WIDTH	mm	289	482	527
HEIGHT	mm	461	583	618
WEIGHT (DRY)	kg	22	54	74
<b>STANDARD EQUIPMENTS **</b>				
VOLTAGE REGULATION		Inverter	Inverter	Inverter
AUTO POWER SAVE		√	√	√
PARALLEL KIT		√	-	-
DIGITAL DISPLAY		-	V - Hz - h	V - Hz - h
FUEL TANK MATERIAL		Plastic	Metal	Metal
FUEL GAUGE		-	√	√
PILOT LAMP		√	-	-
SOCKETS		1 x 230V Schuko 16A IP54	2 x 230V Schuko 16A IP54	2 x 230V Schuko 16A IP54
BATTERY CHARGER		12V DC 8A	12V DC 8,3A	12V DC 8,3A
WHEELS AND HANDLES		-	√	√
<b>PROTECTIONS**</b>				
OIL GUARD		√	√	√
OVERLOAD		√	√	√
SHORT CIRCUIT		√	√	√
OVERSPEED SHUTDOWN		√	√	√
OVERTEMPERATURE		√	√	√
ALTERNATOR PROTECTION	IP	23	23	23
<b>OPTIONALS</b>				
MTS- MANUAL TRANSFER SWITCH		0	0	0

- = Not available - o = Accessory available - √ standard - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# TG Series

PTO generators are a safe and versatile power source able to generate low cost efficient power for any kind of agricultural use.



## PROPERTIES ADVANTAGES



Easy and secure coupling



Control panel: Voltmeter, Frequency meter and sockets



PTO drive shaft holder for easy and safety coupling



Differential and thermomagnetic protection

## VERSIONS



IP 23 Version - sturdy protective tubular frame (roll bar)



Universal joint with protective cap



IP 44 Version - complete with RTE module (min and max V or Hz protection)



IP 44 Version - supplement with protection against solid objects larger than 1 mm and against liquid penetration



		TG SERIES										
PTO SHAFT GENERATORS		TG12/3	TG16/3	TG20/3	TG25/3	TG25/15	TG27/15	TG30/15	TG42/15	TG48/15	TG62/15	TG72/15
<b>POWER THREE PHASE</b>												
CONTINUOUS POWER COP	kVA	12,0	16,0	20,0	25,0	25,0	27,0	30,0	42,0	48,0	62,0	72,0
<b>POWER SINGLE PHASE</b>												
CONTINUOUS POWER COP	kVA	6,0	8,0	10,0	12,0	10,0	11,0	12,0	14,7	16,7	21,6	25,2
<b>POWER SPECIFICATIONS</b>												
VOLTAGE	V	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
POWER FACTOR	cos Φ	0,8/1,0	0,8/1,0	0,8/1,0	0,8/1,0	0,8/1,0	0,8/1,0	0,8/1,0	0,8/1,0	0,8/1,0	0,8/1,0	0,8/1,0
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	Type	Compound	Compound	Compound	Compound	AVR	AVR	AVR	AVR	AVR	AVR	AVR
VOLTAGE ACCURACY	%	5	5	5	5	1,5	1,5	1,5	0,5	0,5	0,5	0,5
<b>DIMENSION AND WEIGHT</b>												
LENGTH	mm	746	746	958	958	958	958	958	1110	1110	1110	1110
WIDTH	mm	580	580	645	645	645	645	645	720	720	720	720
HEIGHT	mm	958	958	1003	1003	1003	1003	1003	1322	1322	1322	1322
WEIGHT (DRY)	kg	110	121	148	154	199	201	213	355	360	399	440
<b>STANDARD EQUIPMENTS **</b>												
THERMOMAGNETIC PROTECTION		√	√	√	√	√	√	√	√	√	√	√
DIFFERENTIAL PROTECTION		√	√	√	√	√	√	√	√	√	√	√
VOLTMETER		√	√	√	√	√	√	√	√	√	√	√
FREQUENCY METER		√	√	√	√	√	√	√	√	√	√	√
SOCKETS		1 x 230V Schuko 16A										
		1x 230V CEE 16A	1x 230V CEE 32A	1x 230V CEE 32A	1x 230V CEE 32A	1x 400V CEE 32A	1x 400V CEE 32A	1x 400V CEE 32A	1x 400V CEE 32A	1x 400V CEE 32A	1x 400V CEE 32A	1x 400V CEE 32A
		1x 400V CEE 16A	1x 400V CEE 32A	1x 400V CEE 32A	1x 400V CEE 32A	1x 400V CEE 63A	1x 400V CEE 63A	1x 400V CEE 63A	1x 400V CEE 63A	1x 400V CEE 63A	1x 400V CEE 125A	1x 400V CEE 125A
<b>ALTERNATOR &amp; SOCKET PROTECTION</b>												
SOCKET PROTECTION		IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54
ALTERNATOR PROTECTION		IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23	IP23
<b>OPTIONALS</b>												
AVAILABLE VERSION IP44*		s	s	s	s	s	-	s	s	s	s	s

s = Supplement (version available when ordered) - √ standard - \* = In the IP44 version, the power is reduced by 10% - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# W Series

Welder generators specifically designed for small repairs, or for more advanced applications. Up to 220A you can use rutile, basic or cellulosic electrode up to 5mm diameter.



Optional



## PETROL

### PROPERTIES ADVANTAGES



Different types of plugs available for welders



Fully equipped control panel for welder and genset

### OPTIONALS



Transportation kit with fixed handles



Transportation kit with height-adjustable folding handles



Complete welding kit: mask, gloves, brush, box for electrodes, light glasses 90x110 mm (5x), dark glass, welding wire 35 mm<sup>2</sup> - 5m- with plug dia. 13mm, ground wire 35 mm<sup>2</sup> - 5m- with plug dia. 13mm

## W SERIES PETROL

WELDER GENERATOR		W 220
<b>WELDER PARAMETERS</b>		
WELDING CURRENT	A	40 / 220
MIN/MAX WELDING VOLTAGE	V	21,6 / 28,8
WELDING SERVICE at 60%	A	170
<b>MAX DIAMETER OF ELECTRODE</b>		
RUTILE	mm	5
BASIC	mm	5
CELLULOSE	mm	5
<b>POWER GENERATOR</b>		
VOLTAGE	V	400 / 230
FREQUENCY	Hz	50
<b>POWER THREE PHASE</b>		
STAND BY POWER LTP	kW / kVA	5,5 / 6,1
CONTINUOUS POWER COP	kVA	5,2
<b>POWER SINGLE PHASE</b>		
STAND BY POWER LTP	kW / kVA	2,4 / 2,7
CONTINUOUS POWER COP	kVA	2,3
<b>ENGINE</b>		
BRAND		Honda
MODEL		GX390
FUEL		Petrol
DISPLACEMENT	cc	389
SPEED	rpm	3000
COOLING SYSTEM		Air
STARTING SYSTEM		Recoil
<b>CONSUMPTION</b>		
FUEL CONSUMPTION at 75% of load	L/h	2,2
FUEL TANK CAPACITY	L	6,1
FUEL TANK MATERIAL		Metal
RUNNING TIME at 75% of load	h	2,8
<b>NOISE EMISSION</b>		
NOISE PRESSURE LEVEL at 7 mt	db(A)	72
GUARANTEED SOUND POWER LEVEL	LWA db(A)	97
<b>DIMENSION AND WEIGHT</b>		
LENGTH	mm	875
WIDTH	mm	620
HEIGHT	mm	600
WEIGHT (DRY)	kg	80
<b>STANDARD EQUIPMENTS**</b>		
SOCKETS		2 x welding socket
		1 x 230V Schuko 16A
		1 x 230V CEE 16A
		1 x 400V CEE 16A
<b>ALTERNATOR AND SOCKET PROTECTION</b>		
ALTERNATOR PROTECTION	IP	23
SOCKET PROTECTION	IP	44
<b>OPTIONALS</b>		
WELDING KIT		0
TRANSPORTATION KIT With fixed handles		0
TRANSPORTATION KIT With folding handles		0

\*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com) - 0 = Accessory available



# MP Series

Whenever it is necessary to move large quantities of water, facing a flood or simply filling a pond, these petrol powered pumps are your perfect ally.



PETROL

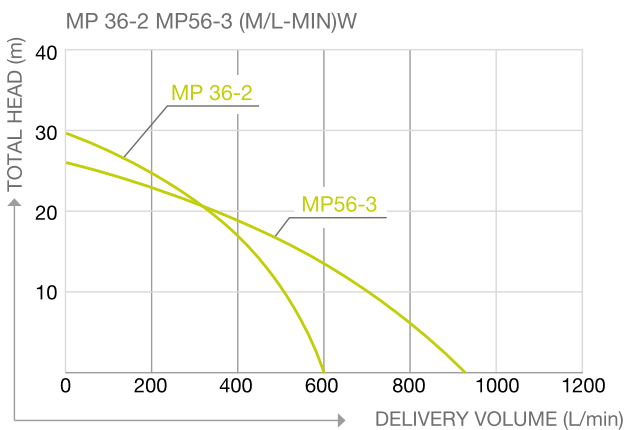
## PROPERTIES ADVANTAGES



Standard equipment



- Durable like trash pump (for sandy and muddy water)
- Compact and light like clear water pump



## OPTIONALS



Inlet, Outlet Pipes

MP SERIES PETROL			
MOTOR PUMPS		MP 36-2	MP 56-3
PUMP			
TYPE		Semitrash	Semitrash
MAX DELIVERY HEAD	m	30	26
FLOW	L/min	600	930
SPEED	rpm	3600	3600
INPUT/OUTPUT DIAMETER	inch	2	3
ENGINE			
BRAND		Honda	Honda
MODEL		GX120	GX160
FUEL		Petrol	Petrol
DISPLACEMENT	cc	118	163
COOLING SYSTEM		Air	Air
STARTING SYSTEM		Recoil	Recoil
CONSUMPTION			
FUEL CONSUMPTION at 75% of load	L/h	1,0	1,4
FUEL TANK CAPACITY	L	2	3,1
RUNNING TIME at 75% of load	h	2,0	2,2
NOISE EMISSION			
NOISE PRESSURE LEVEL at 7 mt	db(A)	78	80
GUARANTEED SOUND POWER LEVEL	LWA db(A)	103	105
DIMENSION AND WEIGHT			
LENGTH	mm	470	477
WIDTH	mm	365	416
HEIGHT	mm	390	466
WEIGHT (DRY)	kg	26	28
STANDARD EQUIPMENTS **			
OIL GUARD SYSTEM		√	√
FUEL TANK MATERIAL		Metal	Metal
HOSE BAND	n°	3	3
COUPLINGS SET	n°	2	2
FILTER	n°	1	1
SPARK PLUG TOOL		√	√
OPTIONALS			
INLET PIPES 2" or 3" LENGTH 8/25m		0	0
OUTLET PIPE 2" or 3" LENGTH 10/50/100m		0	0

0 = Accessory available - √ standard - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# PW Series

Petrol and diesel driven cold water high pressure washers designed to meet your professional and recreational demands.



PW 240

PW 3000

PW 240



PETROL  
DIESEL



## PROPERTIES ADVANTAGES



First-class equipment easy to mount, designed with high grade materials



Pressure regulator knob PW 3000 with electric start key



User-friendly and robust high pressure washers, studied to assure high quality control of our appliances



Transportation kit



PW SERIES PETROL

HIGH PRESSURE WASHERS		PW 240
<b>PUMP</b>		
MAX PRESSURE	bar	240
MAX PRESSURE	psi	3500
FLOW	L/min	13
SPEED	rpm	3400
TYPE		DIRECT DRIVE
<b>ENGINE</b>		
BRAND		Honda
MODEL		GX390
FUEL		Petrol
DISPLACEMENT	cc	389
CYLINDER		1 inclined
COOLING SYSTEM		Air
STARTING SYSTEM		Recoil
<b>CONSUMPTION</b>		
FUEL CONSUMPTION at 75% of load	L/h	2,0
FUEL TANK CAPACITY	L	6,1
RUNNING TIME at 75% of load	h	3,0
<b>NOISE EMISSION</b>		
NOISE PRESSURE LEVEL at 7 mt	db(A)	78
GUARANTEED SOUND POWER LEVEL	LWA db(A)	103
<b>DIMENSION AND WEIGHT</b>		
LENGTH	mm	951
WIDTH	mm	765
HEIGHT	mm	655
WEIGHT (DRY)	kg	64
<b>STANDARD EQUIPMENTS</b>		
TRANSPORTATION KIT		√
OIL GUARD		√
FUEL TANK MATERIAL		Metal
PRESSURE REGULATING VALVE		√
LANCE PRESSURE WASHER	Type	DOUBLE LANCE
PRESSURE HOSE	m	9
SUCTION TUBE	m	2
SUCTION FILTER		√
FLEXIBLE PIPE CLEANER	m	1
DETERGENT SUCTION FILTER		√

PW SERIES DIESEL

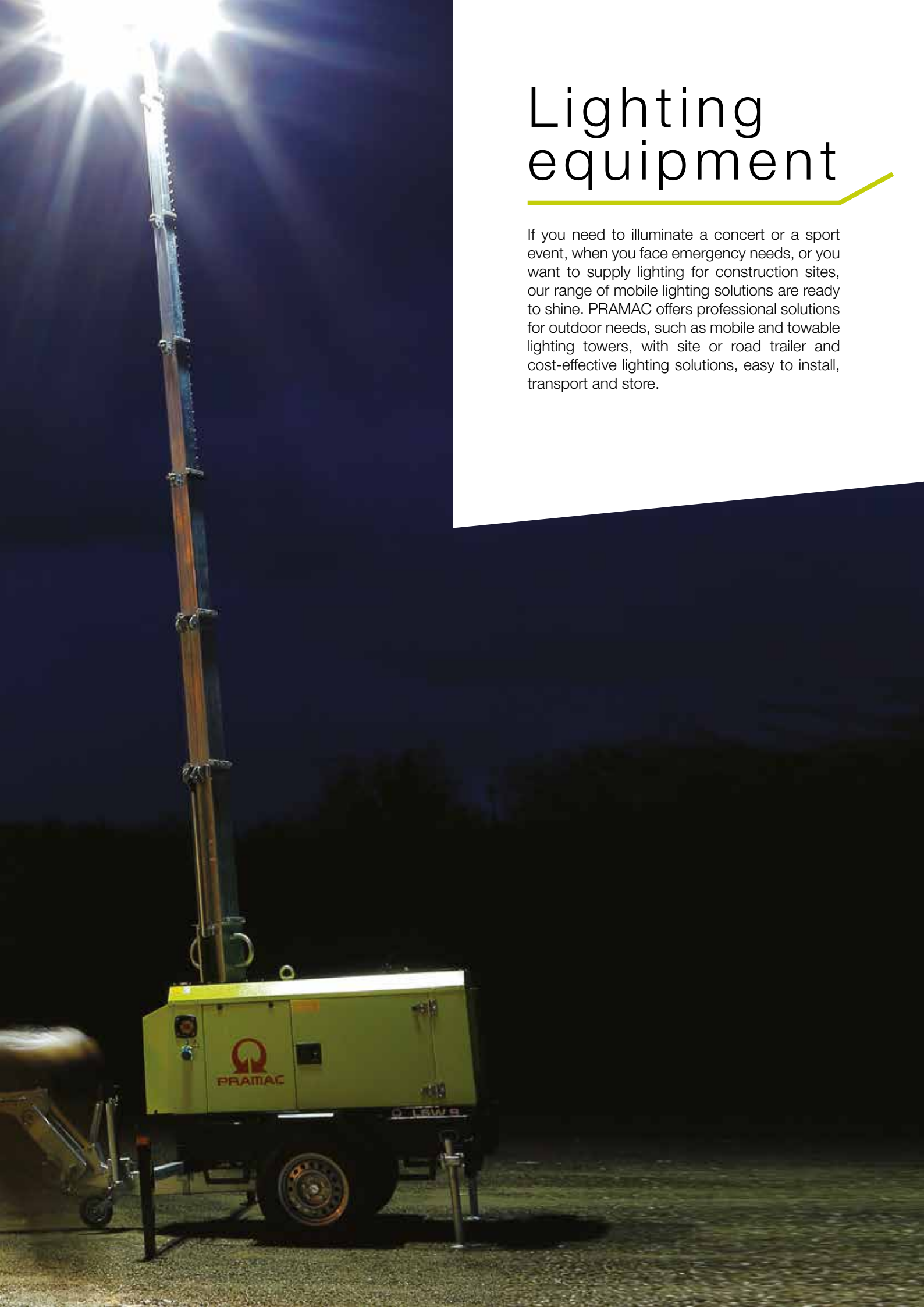
HIGH PRESSURE WASHERS		PW 3000
<b>PUMP</b>		
MAX PRESSURE	bar	200
MAX PRESSURE	psi	2900
FLOW	L/min	15
SPEED	rpm	1450
TYPE		GEAR BOX 2:1
<b>ENGINE</b>		
BRAND		Yanmar
MODEL		L100N
FUEL		Diesel
DISPLACEMENT	cc	435
CYLINDER		1 vertical
COOLING SYSTEM		Air
STARTING SYSTEM		Electric
<b>CONSUMPTION</b>		
FUEL CONSUMPTION at 75% of load	L/h	1,45
FUEL TANK CAPACITY	L	5,5
RUNNING TIME at 75% of load	h	3,8
<b>NOISE EMISSION</b>		
NOISE PRESSURE LEVEL at 7 mt	db(A)	83
GUARANTEED SOUND POWER LEVEL	LWA db(A)	108
<b>DIMENSION AND WEIGHT</b>		
LENGTH	mm	1040
WIDTH	mm	590
HEIGHT	mm	790
WEIGHT (DRY)	kg	117
<b>STANDARD EQUIPMENTS</b>		
TRANSPORTATION KIT		√
OIL GUARD		-
FUEL TANK MATERIAL		Metal
PRESSURE REGULATING VALVE		√
LANCE PRESSURE WASHER	Type	DOUBLE LANCE
PRESSURE HOSE	m	9
SUCTION TUBE	m	2
SUCTION FILTER		√
FLEXIBLE PIPE CLEANER	m	1
DETERGENT SUCTION FILTER		√

√ = Standard



# Lighting equipment

If you need to illuminate a concert or a sport event, when you face emergency needs, or you want to supply lighting for construction sites, our range of mobile lighting solutions are ready to shine. PRAMAC offers professional solutions for outdoor needs, such as mobile and towable lighting towers, with site or road trailer and cost-effective lighting solutions, easy to install, transport and store.





# LSW6K

Provided with manual or hydraulic lifting, these compact towable lighting towers are equipped with site or road trailer ideal for quick deployment and manoeuvrability. Thanks to their 4 - 1000 watt metal halide lights these towers cover more than 4,000 square meters being your perfect professional solution for outdoor needs, such as road and bridge construction, emergency and disaster relief, general construction, oil and gas work.

## PROPERTIES ADVANTAGES



Metal Halide 4x1000W lamps



Four stabilizers with manual rotation for travel configuration



Manual cable winches for lift-up and tilt



Manual control panel and integrated fuel tank

## MANUAL



# LSW9Y

## PROPERTIES ADVANTAGES



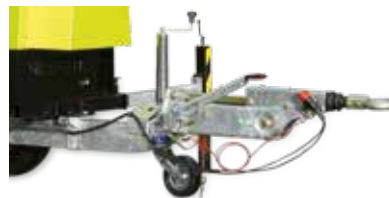
340° mast rotation by hand



Emergency stop and 16A-230V outlet socket



Metal halide 4x1000W lamps



Height-adjustable drawbar (option)

## HYDRAULIC



## LIGHT TOWER

LIGHTING FEATURES		LSW 6K	LSW 9Y	
FLOODLIGHTS	n° x Watt	4 x 1000W	4 x 1000W	
LAMPS	Type	Metal halide	Metal halide	
LIT UP AREA	m2	4000	4000	
LIGHTING CAPACITY	Lumen	404000	360000	
PROTECTION	IP	55	55	
LAMP AUTONOMY	hours	10000	9000	
MAST CHARACTERISTICS				
MAST		Galvanized steel	Galvanized steel	
MAXIMUM HEIGHT	m	9,15	9	
LIFTING SYSTEM		Manual	Hydraulic	
ANGLE OF PIVOTING		360°	340°	
PIVOTING SYSTEM	Type	Manual	Manual	
ANTI-PIVOTING SYSTEM	Type	Mechanical	Mechanical	
ADJUSTABLE STABILIZERS	n°	4	4	
ENGINE				
BRAND		Kohler	Yanmar	
MODEL		KDW1003	3TNV76-GPGE	
FUEL		Diesel	Diesel	
DISPLACEMENT	cc	1000	1116	
SPEED	rpm	1500	1500	
CYLINDER		3 in line	3 in line	
COOLING SYSTEM		Water	Water	
ASPIRATION		Natural	Natural	
ALTERNATOR				
INSULATION	Class	H	H	
ALTERNATOR PROTECTION	IP	21	21	
AUTONOMY				
FUEL TANK CAPACITY	L	110	120	
RUNNING TIME (light only)	h	66	76	
NOISE EMISSION				
NOISE PRESSURE LEVEL at 7 mt	db(A)	66	58	
GUARANTEED SOUND POWER LEVEL	LWA db(A)	91	87	
CONTROL PANEL				
MANUAL KEY START		√	√	
MAIN CIRCUIT BREAKER		√	√	
CIRCUIT BREAKER	n°	4 (individual for each lamp)	4 (individual for each lamp)	
PUSH BUTTON FOR LIFTING SYSTEM	n°	-	2 (up and down)	
HOURLY METER		√	√	
FUEL LEVEL INDICATOR		(Visible from tank)	√	
LOW OIL PRESSURE (PROTECTION)		√	√	
HIGH ENGINE TEMPERATURE		√	√	
EMERGENCY STOP BUTTON		S	√	
SOCKETS	n° Type	1 Schuko 230V	1 CEE 230V 16A	
SYSTEMS TRAILERS AVAILABLE		TRAILER (ROAD EXTRA UE)	STR SITE TRAILER	RTR ROAD TRAILER
LENGTH (TRAVEL)	mm	4458	2584	3011
WIDTH (TRAVEL)	mm	1242	1342	1342
HEIGHT (TRAVEL)	mm	1837	2462	2468
LENGTH - OPERATING CONDITION	mm	3018	2584	3011
WIDTH - OPERATING CONDITION	mm	2776	2742	2742
HEIGHT - OPERATING CONDITION	mm	9522	8838	8838
WEIGHT (DRY)	kg	680	970	970
CONNECTION DRAWBAR	Type	BALL HITCH 50mm	DIN EYE 40mm	BALL HITCH 50mm
OPTIONALS:				
HEIGHT-ADJUSTABLE DRAWBAR EYE		-	-	s
DRAWBAR EYES (available in different dimension)		-	s	s
ADDITIONAL INPUT PLUG (external power supply lamps)		-	s	s
MAST SAFETY SYSTEM		-	-	s

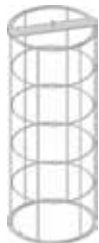
s = Supplement (version available when ordered) - √ standard - = Not available



# LIGHT Globes

PRAMAC Light Globes are the perfect solution when looking for fast high-powered light: nylon balloons automatically inflating with air in few minutes, easy to use, install and transport.

## PROPERTIES ADVANTAGES



Protection grid



Transportation case

LIGHT GLOBE		750 H	2.0 H	1.0 HIT
GLOBE DIAMETER	cm	55	110	110
LIT UP AREA	m <sup>2</sup>	310	1500	3000
LUMEN		11400	54000	80000
VOLTAGE/FREQUENCY	V / Hz	230 / 50	230 / 50	230 / 50
MAST		√	Optional	Optional
PROTECTION	IP	54	54	54
LAMP	W / Type	750W Halogen	2000W Halogen	1000 W HIT
MAX WIND SPEED	km/h	30	100	100
MAX HEIGHT	m	2,8	5*	5*
OPERATION TEMPERATURE	°C	-25 / +45	-25 / +45	-25 / +45
WEIGHT	kg	5	10	20

\* = With optional mast tripod 5m - √ standard

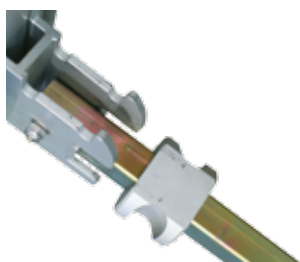


# LIGHTING Accessories

## LIGHT TOWER FOR PORTABLE

The PORTABLE LIGHTING towers are designed to be assembled with our portable generators\* and are an indispensable and multipurpose tool to operate on any kind of surface. Versatile, practical, lightweight, these accessories are equipped with 4000W lamps power and 4,2 meters high telescopic mast with pneumatic lifting.

### PROPERTIES ADVANTAGES



Quick open/close system for legs



Mast support and four rings for lifting

#### LIGHT TOWER

LIGHT TOWER for portable *		500W x 4	1000W x 4
LAMPS	W x n°	500 x 4	1000 x 4
LIT UP AREA	m2	700	1500
LUMEN		38000	88000
VOLTAGE/FREQUENCY	V / Hz	230 / 50	230 / 50
ELEVATION	Type	Pneumatic	Pneumatic
PROTECTION	IP	65	65
LAMP	Type	Halogen	Halogen
LAMP AUTONOMY	hours	2000	2000
MAX HEIGHT	m	4,2	4,2
OPERATION TEMPERATURE	°C	-5 / +45	-5 / +45
WEIGHT	kg	9	15

\* compatible with the following product series: ES, S Diesel, S/SP 12000



# HLT SERIES

Mobile hydraulic lighting towers with incorporated trailer and without generator mainly designed for construction and mining environments.



## PROPERTIES ADVANTAGES



6 x 1.500W quartz/iodine halogen lamps or 6 x 400W metal halide lamps



Steel box for placement of lamps once they have been removed from the tower



### HLT (HYDRAULIC LIGHT TOWERS) TRAILERS

LIGHTING FEATURES	HLT 6 x 400W		HLT 6 x 1500W				
	FLOODLIGHTS	n° x Watt	6 x 400W	6 x 1500W			
LAMPS	Type	Metal halide	Halogen				
LIT UP AREA	m2	2500	1200				
LIGHTING CAPACITY	Lumen	192000	200000				
PROTECTION	IP	55	55				
LAMP AUTONOMY	hours	5000	4000				
MAST CHARACTERISTICS							
MAST		Galvanized steel					
MAXIMUM HEIGHT	m	9					
LIFTING SYSTEM		Hydraulic					
ANGLE OF PIVOTING		355°					
PIVOTING SYSTEM	Type	Manual					
BLOCK SYSTEM	Type	Mechanical					
CONTROL PANEL							
CIRCUIT BREAKER	n°	3 (one for each two lamps)					
PUSH BUTTON FOR LIFTING SYSTEM	n°	2 (up and down)					
STANDARD EQUIPMENTS							
FRAME STRUCTURE	Type	Galvanized steel					
STABILIZER ADJUSTABLE	n°	4					
STEEL BOX FOR STORAGE OF THE LAMPS		√					
SYSTEMS TRAILERS AVAILABLE							
LENGHT	mm	STR SITE TRAILER	RTR ROAD TRAILER	STR SITE TRAILER	RTR ROAD TRAILER		
WIDTH	mm	4300	4800	4300	4800		
HEIGHT	mm	1600	1800	1600	1800		
LENGTH - OPERATING CONDITION	mm	2100	2250	2100	2250		
WIDTH - OPERATING CONDITION	mm	4300	4800	4300	4800		
HEIGHT - OPERATING CONDITION	mm	2420	2690	2420	2690		
WEIGHT (without genset)	kg	9700	8350	9700	8350		
CONNECTION DRAWBAR	Type	630	882	630	882		
		DIN EYE 40mm	BALL HITCH 50mm	DIN EYE 40mm	BALL HITCH 50mm		
POWER CONNECTION AVAILABLE (WITH PLUG 400 / 230V)							
		32A	63A	32A	63A	32A	63A
OPTIONALS:							
GENSET (MODELS COMPATIBILITY)	Type	①	②	①	②	①	②
DRAWBAR EYES (available in different dimension)		s	s	s	s	s	s

① = GSW10/15/22P - GSW10/15/22Y CANOPY (MCP/MPF/ACP) - ② = GSW30/45P - GSW30/45Y CANOPY (MCP/MPF/ACP) - s = Supplement (version available when ordered) - √ standard





B2

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

**GSW 560**  
PowerEngineering



# Stationary

PRAMAC Stationary division covers a wide range of generators up to 3360 kVA able to satisfy many requirements, regardless of the field of activity: industrial, medical, telecommunications or residential applications, among others. Available in open, container and soundproof versions, our stationary generators serve the most demanding customer needs with a range of control panel solutions and many optional features and accessories.



# Main applications

Construction



Agriculture



Transport



Public & Utilities



Industry





# Healthcare



# Telecommunications



# Data centers



# Commercial & Retail



# Sport & Recreation



# GX Series



# GXW 18-45

The GXW Series offers generators both for on-grid and off-grid applications. With a simple design and a standard equipment, these generators are the right choice for those customers wanting a professional product easy to use especially for starting operation tasks. Available only in soundproof version with automatic control panel.



## CANOPY



Visual fuel level indicator



Canopy noise attenuation with polyurethane foam



Easy fuel refilling through external cap



GXW 18-25

## CANOPY



Single detachable lifting eye



Base frame with integrated feet



Visual fuel level indicator located in the base frame



GXW 35-45



## GXW 18 - 45 DIESEL

GENERATING SET		GXW 18 - 45 DIESEL							
		GXW18W		GXW25W		GXW35W		GXW45W	
		THREE PHASE 400/230V**							
THREE PHASE		kW	kVA	kW	kVA	kW	kVA	kW	kVA
POWER SUPPLY									
STAND BY POWER LTP		14,5	18,1	19,2	24,0	26,4	33,0	34,0	42,5
PRIME POWER PRP		13,9	17,3	17,5	21,9	26,0	32,5	31,7	39,6
POWER SPECIFICATIONS									
VOLTAGE	Volt	400		400		400		400	
FREQUENCY	Hz	50		50		50		50	
POWER FACTOR	cos $\Phi$	0,8		0,8		0,8		0,8	
ENGINE									
BRAND		Weichai		Weichai		Weichai		Weichai	
MODEL		WP2.1D18E2		WP2.5D22E2		WP3.9D33E2		WP4.3D38E2	
FUEL		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	2088		2540		3860		4330	
SPEED	rpm	1500		1500		1500		1500	
CYLINDER		4 in line		4 in line		4 in line		4 in line	
COOLING SYSTEM		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12	
ASPIRATION		Natural		Natural		Natural		Natural	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Stage II		Stage II		Stage II		Stage II	
STAND BY POWER LTP	kW	18,3		24,2		36,6		41,8	
PRIME POWER PRP	kW	17,5		22,0		33,3		38,0	
ALTERNATOR									
TYPE		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	22		22		22		22	
CONSUMPTION									
FUEL CONSUMPTION at 75% / 100% of load	L/h	3,68 / 4,90		4,62 / 6,16		6,51 / 8,63		7,93 / 10,49	
VERSION		CANOPY		CANOPY		CANOPY		CANOPY	
NOISE EMISSION									
NOISE PRESSURE LEVEL at 7 mt	db(A)	67		67		67		67	
GUARANTEED SOUND POWER LEVEL	LWA db(A)	96		96		96		96	
DIMENSION AND WEIGHT									
LENGTH	mm	1650		1650		2200		2200	
WIDTH	mm	1000		1000		1030		1030	
HEIGHT	mm	1130		1130		1320		1320	
WEIGHT (DRY)	kg	510		590		910		1010	
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	L	51		51		51		51	
RUNNING TIME at 75% of load	h	13,86		11,04		7,83		6,43	
CONTROL PANEL AVAILABLE									
AUTOMATIC CONTROL PANEL	ACP	④		④		④		④	

④ = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 55 - \*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com) - \* Open version only for stationary applications

# ELECTRICAL EQUIPMENT

## GXW SERIES 18-45

CONTROL PANELS Type	ACP ④ Automatic Control Panel	
Control panels with controls, instrumentations and protections to meet multiple applications. Designed for dedicated metallic box assembled and integrated into the generator.		
<b>OPERATIONAL TYPES</b>		
MANUAL START/STOP	√	
AUTOMATIC MAIN FAILURE	√	
AUTOMATIC START/STOP (remote)	√	
<b>COMMAND</b>		
OPERATION MODES	OFF Manual starting Automatic starting Automatic test	
EMERGENCY STOP BUTTON	√	
CIRCUIT BREAKER	√	
<b>INSTRUMENTATIONS</b>		
TYPE	Digital control unit	
GENSET VOLTAGE	3 phases sensing	
GENSET CURRENT INTENSITY	1 phase sensing	
FREQUENCY METER	√	
HOUR METER	√	
OIL PRESSURE	√	
ENGINE TEMPERATURE	√	
GENERATING SET POWER	kVA - kW - kVAr - Cos φ	
BATTERY VOLTAGE	√	
MAINS VOLTAGE	√	
ENGINE SPEED R.P.M.	√	
<b>PROTECTIONS</b>		
LOW OIL PRESSURE	√	
HIGH ENGINE TEMPERATURE	√	
BATTERY CHARGER FAILURE	√	
EARTH FAULT	√	
CIRCUIT BREAKER PROTECTION	III Poles	
UNDER/OVER VOLTAGE	√	
UNDER/OVER FREQUENCY	√	
REVERSE POWER	√	
<b>OUTPUT**</b>		
STANDARD SOCKETS FOR MODELS:	GXW 18-25	GXW 35-45
400V CEE 5P 32A	1	-
400V CEE 5P 63A	-	1
TERMINALS CONNECTION FOR LTS PANEL	√	
PREDISPOSED FOR REMOTE CONTROL RCG	S	
PREDISPOSED FOR REMOTE START	√	
RS232 COMMUNICATION PORT	S	
<b>OPTIONALS **</b>		
RCG - REMOTE CONTROLS	S	
PHS - COOLANT PRE-HEATING SYSTEM	S	
LTS - LOAD TRANSFER SWITCH	0	

√ = Standard - 0 = Accessory available - S = Supplement (version available when ordered) - - = Not available - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# OPTIONALS

## GXW SERIES 18-45

### SUPPLEMENTS AND ACCESSORIES \*\*

#### **PHS - COOLANT PREHEATING SYSTEM**

To maintain the engine at a temperature that ensures a quick start when required



#### **LTS - LOAD TRANSFER SWITCH PANEL**

To transfer the load from the mains to the generator and vice versa



#### **RCG - REMOTE CONTROL**

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



\*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)





# GB Series





# GBA 7-17



GBA is our air cooled entry series and offers the simplest way to fulfil specific power demands, mainly for isolated loads such as motor pumps and/or electrical tools. A simple design and a user-friendly interface make these generators easy to use and to maintain.

## OPEN



Top mounted metal fuel tank (GBA7, GBA12)



Vertical plastic fuel tank (GBA 17)



Easy to use control panel complete with sockets



GBA 7



GBA 12



GBA 17





# GBW 10-45



The GBW Series offers reliable and powerful machines designed for professional use to support electricity mains failure or serve isolated locations. Easy to transport, install and store thanks to their compact dimensions, these generators are ideal for home stand-by, construction sites, mobile workshops and small industrial applications. Available both in open and soundproof version.

## OPEN



Easy oil draining (oil drain cap)



Plastic fuel tank



Industrial Silencer delivered loose



Moving and rotating parts protections against accidental contacts



GBW 10-45

## CANOPY



Visual fuel level indicator



Canopy noise attenuation with polyurethane foam



Integrated central lifting point



Easy fuel refilling through external cap



GBW 10-22

GBW 10 - 22 DIESEL

GENERATING SET	GBW10Y		GBW10P		GBW15P		GBW15Y		GBW22Y		GBW22P	
	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
POWER SUPPLY												
<b>THREE PHASE</b>												
STAND BY POWER LTP	7,5	9,3	7,7	9,7	11,3	14,1	11,4	14,3	15,2	19,0	17,5	21,8
PRIME POWER PRP	6,8	8,5	7,0	8,7	10,2	12,7	10,4	13,0	14,4	18,1	15,8	19,8
<b>POWER SPECIFICATIONS</b>												
VOLTAGE	400		400		400		400		400		400	
FREQUENCY	50		50		50		50		50		50	
POWER FACTOR	0,8		0,8		0,8		0,8		0,8		0,8	
<b>ENGINE</b>												
BRAND	Yanmar		Perkins		Perkins		Yanmar		Yanmar		Perkins	
MODEL	3TNV76-GPGE		403D-11G		403D-15G		3TNV88-BGPGE		4TNV88-BGPGE		404D-22G	
FUEL	Diesel		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	1116		1131		1496		1642		2190		2216	
SPEED	1500		1500		1500		1500		1500		1500	
CYLINDER	3 in line		3 in line		3 in line		3 in line		4 in line		4 in line	
COOLING SYSTEM	Water		Water		Water		Water		Water		Water	
STARTING SYSTEM	Electric		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	12		12		12		12		12		12	
ASPIRATION	Natural		Natural		Natural		Natural		Natural		Natural	
SPEED GOVERNOR	Mechanical		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU	Unregulated		Unregulated		Unregulated		Unregulated		Stage IIIA		Stage IIIA	
STAND BY POWER LTP	9,2		9,5		13,5		14,0		18,2		20,6	
PRIME POWER PRP	8,4		8,6		12,2		13,3		17,3		18,7	
<b>ALTERNATOR</b>												
TYPE	Brushes		Brushes		Brushes		Brushes		Brushes		Brushes	
POLES	4		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM	Compound		Compound		Compound		Compound		Compound		Compound	
ALTERNATOR PROTECTION	21		21		21		21		21		21	
<b>CONSUMPTION</b>												
FUEL CONSUMPTION at 75% / 100% of load	1,99 / 2,65		1,98 / 2,58		2,74 / 3,6		2,84 / 3,77		3,81 / 5,05		3,98 / 5,27	
<b>VERSION</b>	OPEN		CANOPY		OPEN		CANOPY		OPEN		CANOPY	
<b>NOISE EMISSION</b>												
NOISE PRESSURE LEVEL at 7 mt	*	64	*	66	*	66	*	64	*	64	*	66
GUARANTEED SOUND POWER LEVEL	*	93	*	95	*	95	*	93	*	93	*	95
<b>DIMENSION AND WEIGHT</b>												
LENGTH	1600	1645	1600	1645	1600	1645	1600	1645	1600	1645	1600	1645
WIDTH	870	870	870	870	870	870	870	870	870	870	870	870
HEIGHT	875	1072	875	1072	950	1072	950	1072	1000	1072	950	1072
WEIGHT (DRY)	250	460	385	460	390	550	390	430	507	560	425	565
FUEL TANK MATERIAL	Plastic		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	51		51		51		51		51		51	
RUNNING TIME at 75% of load	25,63		25,76		18,61		17,96		13,39		12,81	
<b>OPTIONALS **</b>												
STR - SITE TRAILER	-	0	-	0	-	0	-	0	-	0	-	0
RTR - ROAD TRAILER	-	0	-	0	-	0	-	0	-	0	-	0
RES - RESIDENTIAL SILENCER	0	√	0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR	0	√	0	√	0	√	0	√	0	√	0	√
ALTERNATOR TYPE BRUSHLESS AVR	S		S		S		S		S		S	
<b>CONTROL PANEL AVAILABLE</b>												
MANUAL CONTROL PANEL	3		3		3		3		3		3	
AUTOMATIC CONTROL PANEL	4		4		4		4		4		4	

THREE PHASE

- = not available - 0 = Accessory; for equipment and descriptions see page 65 - S = Supplement (version available when ordered); for equipment and descriptions see page 65  
 ● = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 64 - √ standard - \*\* = Other configurations and detailed specifications are available on www.pramac.com  
 \* Open version only for stationary applications

## GBW 30 - 45 DIESEL

GENERATING SET		GBW30P		GBW30Y		GBW45Y		GBW45P	
POWER SUPPLY		THREE PHASE 400/230V**							
<b>THREE PHASE</b>		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>
STAND BY POWER LTP		26,0	32,5	26,0	32,5	36,7	45,8	38,4	48,0
PRIME POWER PRP		24,4	30,5	24,4	30,5	34,8	43,5	36,6	45,7
<b>POWER SPECIFICATIONS</b>									
VOLTAGE	Volt	400		400		400		400	
FREQUENCY	Hz	50		50		50		50	
POWER FACTOR	cos $\Phi$	0,8		0,8		0,8		0,8	
<b>ENGINE</b>									
BRAND		Perkins		Yanmar		Yanmar		Perkins	
MODEL		1103A-33G		4TNV98-IGPGE		4TNV98T-GPGE		1103A-33TG1	
FUEL		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	3300		3319		3319		3300	
SPEED	rpm	1500		1500		1500		1500	
CYLINDER		3 in line		4 in line		4 in line		3 in line	
COOLING SYSTEM		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12	
ASPIRATION		Natural		Natural		Turbocharged		Turbocharged	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Non Emission Certified		Stage III A		Stage II		Non Emission Certified	
STAND BY POWER LTP	kW	31,0		34,6		41,8		46,5	
PRIME POWER PRP	kW	28,2		32,9		39,7		42,2	
<b>ALTERNATOR</b>									
TYPE		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	23		23		21		21	
<b>CONSUMPTION</b>									
FUEL CONSUMPTION at 75% / 100% of load	L/h	5,41 / 7,1		5,82 / 7,75		8,17 / 10,92		8,21 / 10,7	
<b>VERSION</b>		<b>OPEN *</b>							
<b>NOISE EMISSION</b>									
NOISE PRESSURE LEVEL at 7 mt	db(A)	*							
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*							
<b>DIMENSION AND WEIGHT</b>									
LENGTH	mm	2000		2000		2000		2000	
WIDTH	mm	920		920		920		920	
HEIGHT	mm	1100		1100		1100		1100	
WEIGHT (DRY)	kg	700		558		611		785	
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	L	51		51		51		51	
RUNNING TIME at 75% of load	h	9,43		8,76		6,24		6,21	
<b>OPTIONALS **</b>									
RES - RESIDENTIAL SILENCER		0		0		0		0	
FEC - FLEXIBLE EXHAUST COMPENSATOR		0		0		0		0	
<b>CONTROL PANEL AVAILABLE</b>									
MANUAL CONTROL PANEL	MCP	③		③		③		③	
AUTOMATIC CONTROL PANEL	ACP	④		④		④		④	





0 = Accessory; for equipment and descriptions see page 65 - ● = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 64  
 \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com) - \* Open version only for stationary applications





# ELECTRICAL EQUIPMENT

## GB SERIES

CONTROL PANELS Type	MCP ① Manual Control Panel		ASP ② Automatic Start Panel		MCP ③ Manual Control Panel		ACP ④ Automatic Control Panel	
Control panels with controls, instrumentations and protections to meet multiple applications. Designed for dedicated metallic box assembled and integrated into the generator.								
<b>OPERATIONAL TYPES</b>								
MANUAL START/STOP	√		√		√		√	
AUTOMATIC MAIN FAILURE							√ (with LTS)	
AUTOMATIC START/STOP (remote)			√				√	
<b>COMMAND</b>								
OPERATION MODES	OFF Manual starting		OFF Manual starting		OFF Manual starting		OFF Manual starting Automatic starting Automatic test	
EMERGENCY STOP BUTTON	-		√		√		√	
CIRCUIT BREAKER	√		√		√		√	
<b>INSTRUMENTATIONS</b>								
TYPE	Analogue		Analogue		Analogue		Digital control unit	
GENSET VOLTAGE	1 phase sensing		1 phase sensing		1 phase sensing		3 phases sensing	
GENSET CURRENT INTENSITY	-		-		-		1 phase sensing	
FREQUENCY METER	-		-		-		√	
HOUR METER	√		√		√		√	
OIL PRESSURE	-		-		-		√	
ENGINE TEMPERATURE	-		-		-		√	
GENERATING SET POWER	-		-		-		kVA - kW - kVAr - Cos Φ	
BATTERY VOLTAGE	-		-		-		√	
MAINS VOLTAGE	-		-		-		√	
ENGINE SPEED R.P.M.	-		-		-		√	
<b>PROTECTIONS</b>								
LOW OIL PRESSURE	√		√		√		√	
HIGH ENGINE TEMPERATURE	-		-		√		√	
BATTERY CHARGER FAILURE	√		√		√		√	
EARTH FAULT	-		-		√		√	
CIRCUIT BREAKER PROTECTION	III Poles		III Poles		III Poles		III Poles	
UNDER/OVER VOLTAGE	-		-		-		√	
UNDER/OVER FREQUENCY	-		-		-		√	
REVERSE POWER	-		-		-		√	
<b>OUTPUT**</b>								
STANDARD SOCKETS FOR MODELS:	GBA7-12	GBA17	GBA7-12	GBA17	GBW10-22	GBW30-45	GBW10-22	GBW30-45
400V CEE 5P 63A	-	-	-	-	-	1	-	1
400V CEE 5P 32A	-	1	-	1	1	1	1	-
400V CEE 5P 16A	1	-	1	-	1	-	-	-
230V CEE 3P 16A	1	1	1	1	2	2	-	-
230V SCHUKO 16A	-	-	-	-	1	1	-	-
TERMINALS CONNECTION FOR LTS PANEL	-		-		-		√	
PREDISPOSED FOR REMOTE CONTROL RCG	-		-		-		S	
PREDISPOSED FOR REMOTE START	-		√		-		√	
RS232 COMMUNICATION PORT	-		-		-		S	
<b>OPTIONALS **</b>								
RCG - REMOTE CONTROLS	-		-		-		S	
PHS - COOLANT PRE-HEATING SYSTEM	-		S		-		S	
LTS - LOAD TRANSFER SWITCH	-		-		-		0	

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

# OPTIONALS

## GB SERIES

### SUPPLEMENTS AND ACCESSORIES \*\*

#### PHS - COOLANT PREHEATING SYSTEM

To maintain the engine at a temperature that ensures a quick start when required



#### RES - RESIDENTIAL SILENCER

To reduce exhaust noise emissions for open generators



#### RCG - REMOTE CONTROL

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



#### TRAILERS

Designed to transporting our generator sets with maximum safety.

Available in two different types both for road and site applications, according to customer needs



#### LTS - LOAD TRANSFER SWITCH PANEL

To transfer the load from the mains to the generator and vice versa



#### FEC - FLEXIBLE EXHAUST COMPENSATOR

Damp down vibrations from engine to exhaust piping



\*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# GS Series





# GSL 22-65



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

## OPEN



Integrated metal fuel tank



Base frame provided with feet for easy handling



Moving and rotating parts protections against accidental contacts



Heavy duty anti-vibration mountings



## CANOPY



Central lifting point



Compact design with integrated plastic fuel tank



Exhaust silencer with rain flap



Niche for external emergency push-button



**GSL 22 - 65**

<b>GENERATING SET</b>		<b>GSL22D</b>		<b>GSL30D</b>		<b>GSL42D</b>		<b>GSL65D</b>	
POWER SUPPLY		THREE PHASE 400/230V**							
<b>THREE PHASE</b>		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>
STAND BY POWER LTP		17,2	21,5	26,0	32,5	35,6	44,5	48,8	61,0
PRIME POWER PRP		16,4	20,5	24,4	30,5	33,9	42,3	46,2	57,8
<b>POWER SPECIFICATIONS</b>									
VOLTAGE	Volt	400		400		400		400	
FREQUENCY	Hz	50		50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8		0,8	
<b>ENGINE</b>									
BRAND		Deutz		Deutz		Deutz		Deutz	
MODEL		F3M2011		F4M2011		BF4M2011		BF4M2011C	
FUEL		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	2330		3110		3110		3110	
SPEED	rpm	1500		1500		1500		1500	
CYLINDER		3 in line		4 in line		4 in line		4 in line	
COOLING SYSTEM		Oil		Oil		Oil		Oil	
STARTING SYSTEM		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12	
ASPIRATION		Natural		Natural		Turbo		Turbocharged intercooled	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Stage II		Stage II		Stage II		Stage II	
STAND BY POWER LTP	kW	21,4		30,9		41,2		56,1	
PRIME POWER PRP	kW	20,4		29,4		39,2		53,3	
<b>ALTERNATOR</b>									
TYPE		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	23		23		21		21	
<b>CONSUMPTION</b>									
FUEL CONSUMPTION at 75% / 100% of load	L/h	4,05 / 5,82		5,72 / 8,06		8,08 / 11,25		9,93 / 13,39	
<b>VERSION</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>OPEN</b>	<b>CANOPY</b>
<b>NOISE EMISSION</b>									
NOISE PRESSURE LEVEL at 7 mt	db(A)	*	60	*	60	*	60	*	64
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*	89	*	89	*	89	*	93
<b>DIMENSION AND WEIGHT</b>									
LENGTH	mm	1400	2000	1800	2000	1800	2000	2007	2285
WIDTH	mm	750	920	750	920	750	920	758	920
HEIGHT	mm	1678	1310	1518	1310	1518	1310	1841	1310
WEIGHT (DRY)	kg	534	690	714	760	761	824	858	981
FUEL TANK MATERIAL		Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic
FUEL TANK CAPACITY	L	91	68	91	68	91	68	91	209
RUNNING TIME at 75% of load	h	22,47	16,79	15,91	11,89	11,26	8,42	9,16	21,05
<b>OPTIONALS **</b>									
EFT - EXTENDED FUEL TANK (supplement)	L	-	450	-	450	-	450	-	730
KPR - PREMIUM KIT		-	S	-	S	-	S	-	S
EEG - ELECTRONIC ENGINE GOVERNOR		S	S	S	S	S	S	S	S
KRT - KIT RENTAL		-	S	-	S	-	S	-	S
STR - SITE TRAILER		-	0	-	0	-	0	-	0
RTR - ROAD TRAILER		-	0	-	0	-	0	-	0
RES - RESIDENTIAL SILENCER		0	-	0	-	0	-	0	-
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	-	0	-	0	-	0	-
<b>CONTROL PANEL AVAILABLE</b>									
MANUAL CONTROL PANEL	MCP	6	5	6	5	6	5	6	7
MANUAL CONTROL PANEL FULL OPTION	MPF	-	8	-	8	-	8	-	8
AUTOMATIC CONTROL PANEL	ACP		9		9		9		9

THREE PHASE

S = Supplement (version available when ordered); for equipment and descriptions see page 77 - 0 = Accessory; for equipment and descriptions see page 77  
 ● = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 76 - √ standard - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# GSW 10-225



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

## OPEN



Integrated metal fuel tank



Base frame provided with feet for easy handling



Moving and rotating parts protections against accidental contacts



Heavy duty anti-vibration mountings



GSW 65-225

## CANOPY



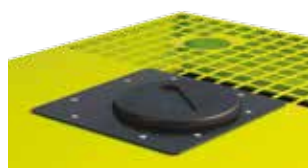
Central lifting point



Compact design with integrated plastic fuel tank



Exhaust silencer with rain flap



Coolant refilling facility



GSW 10-225

## GSW 10 - 22 DIESEL

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

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## GSW 30 - 50 DIESEL

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

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## GSW 65 - 80 DIESEL

GENERATING SET		THREE PHASE 400/230V**									
THREE PHASE		GSW65I		GSW65P		GSW67P		GSW80I		GSW80P	
		kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA
POWER SUPPLY											
STAND BY POWER LTP		53,1	66,4	53,5	66,9	53,3	66,6	65,7	82,2	66,4	83,0
PRIME POWER PRP		48,2	60,2	48,6	60,7	48,8	61,0	59,8	74,7	62,4	78,0
<b>POWER SPECIFICATIONS</b>											
VOLTAGE	Volt	400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50	
POWER FACTOR	cos φ	0,8		0,8		0,8		0,8		0,8	
<b>ENGINE</b>											
BRAND		FPT		Perkins		Perkins		FPT		Perkins	
MODEL		NEF45SM1A		1103A-33TG2		1104D-44TG3		NEF45SM2A		1104A-44TG2	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	4500		3300		4400		4500		4400	
SPEED	rpm	1500		1500		1500		1500		1500	
CYLINDER		4 in line		3 in line		4 in line		4 in line		4 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	12		12		12		12		12	
ASPIRATION		Turbocharged intercooled		Turbocharged		Turbocharged		Turbocharged		Turbocharged	
SPEED GOVERNOR		Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
EMISSION STAGE COMPLIANCE EU		Stage II		Non Emission Certified		Stage IIIA		Stage II		Non Emission Certified	
STAND BY POWER LTP	kW	60,0		60,5		61,6		74,0		80,7	
PRIME POWER PRP	kW	54,5		55,0		56,6		67,4		73,4	
<b>ALTERNATOR</b>											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21		21		21	
<b>CONSUMPTION</b>											
FUEL CONSUMPTION at 75% / 100% of load	L/h	10,25 / 13,68		10,42 / 13,9		11,99 / 16,04		12,80 / 17,18		13,44 / 17,91	
<b>VERSION</b>		OPEN		CANOPY		OPEN		CANOPY		OPEN	
<b>NOISE EMISSION</b>											
NOISE PRESSURE LEVEL at 7 mt	db(A)	*	66	*	67	*	67	*	65	*	67
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*	95	*	96	*	96	*	94	*	96
<b>DIMENSION AND WEIGHT</b>											
LENGTH	mm	2200	2400	2200	2285	2200	2285	2200	2400	2200	2285
WIDTH	mm	1000	1000	1000	920	1000	920	1000	1000	1000	920
HEIGHT	mm	1743	1530	1743	1465	1743	1465	1743	1530	1743	1465
WEIGHT (DRY)	kg	1123	1440	909	1085	909	1150	1139	1426	964	1144
FUEL TANK MATERIAL		Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal	Plastic
FUEL TANK CAPACITY	L	240	209	240	209	240	209	240	209	240	209
RUNNING TIME at 75% of load	h	23,41	20,39	23,03	20,06	20,02	17,43	18,75	16,33	17,86	15,55
<b>OPTIONALS **</b>											
EFT - EXTENDED FUEL TANK (supplement)	L	-	890	-	730	-	730	-	890	-	730
KPR - PREMIUM KIT		-	S	-	S	-	S	-	S	-	S
EEG - ELECTRONIC ENGINE GOVERNOR		S	S	S	S	S	S	S	S	S	S
KRT - RENTAL KIT		-	S	-	S	-	S	-	S	-	S
STR - SITE TRAILER		-	0	-	0	-	0	-	0	-	0
RTR - ROAD TRAILER		-	0	-	0	-	0	-	0	-	0
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√
<b>CONTROL PANEL AVAILABLE</b>											
MANUAL CONTROL PANEL	MCP	6	7	6	7	6	7	6	7	6	7
MANUAL CONTROL PANEL FULL OPTION	MPF	-	8	-	8	-	8	-	8	-	8
AUTOMATIC CONTROL PANEL	ACP	9		9		9		9		9	
MODULAR PARALLEL PANEL	MPP	10		-		-		10		-	

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GSW 95 - 115 DIESEL

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

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GSW 145 - 165 DIESEL

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

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GSW 170 - 225 DIESEL

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

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# ELECTRICAL EQUIPMENT

## GSW SERIES 10 - 225

CONTROL PANELS Type	MCP 5 Manual Control Panel	MCP 6 Manual control panel	MCP 7 Manual control panel	MPF 8 Manual Panel Full option	ACP 9 Automatic Control Panel	MPP 10 Modular Parallel Panel
Control panels with controls, instrumentations and protections to meet multiple applications. Designed for dedicated metallic box assembled and integrated into the generator.						
<b>OPERATIONAL TYPES</b>						
MANUAL START/STOP	√	√	√	√	√	√
AUTOMATIC MAIN FAILURE	-	-	-	-	√ (with LTS)	√ (with ATS)
AUTOMATIC START/STOP (REMOTE)	S	S	S	S	√	√
PARALLEL RUNNING	-	-	-	-	-	√
<b>COMMAND</b>						
OPERATION MODES	OFF Manual Key Start	OFF Manual Key Start	OFF Manual Key Start	OFF Manual Key Start	OFF Manual starting Automatic starting Automatic test	OFF Manual starting Automatic function Multiple parallel genset Parallel to Mains
EMERGENCY STOP BUTTON	√	√	√	√	√	√
CIRCUIT BREAKER	√	√	√	√	√	√
<b>INSTRUMENTATIONS</b>						
TYPE	Analogue	Analogue	Analogue	Analogue	Digital control unit	Digital control unit
GENSET VOLTAGE	1 phase sensing	1 phases sensing	1 phase sensing	3 phases sensing	3 phases sensing	3 phases sensing
GENSET CURRENT INTENSITY	1 phase sensing	1 phases sensing	1 phase sensing	3 phases sensing	3 phases sensing	3 phases sensing
FREQUENCY METER	-	-	-	√	√	√
HOURLY METER	√	√	√	√	√	√
FUEL LEVEL	-	-	-	√	√	√
OIL PRESSURE	-	-	-	√	√	√
ENGINE TEMPERATURE	-	-	-	√	√	√
GENERATING SET POWER	-	-	-	-	kVA - kW - kVAr - Cos Φ	kVA - kW - kVAr - Cos Φ
BATTERY VOLTAGE	-	-	-	-	√	√
MAINS VOLTAGE	-	-	-	-	√	√
ENGINE SPEED R.P.M.	-	-	-	-	√	√
<b>PROTECTIONS</b>						
LOW FUEL LEVEL	√	√	√	√	√	√
LOW OIL PRESSURE	√	√	√	√	√	√
HIGH ENGINE TEMPERATURE	√	√	√	√	√	√
BATTERY CHARGER FAILURE	√	√	√	√	√	√
EARTH FAULT	√	√	√	√	√	√
CIRCUIT BREAKER PROTECTION	III Poles	III Poles	III Poles	III Poles	III Poles	IV Poles (motorized)
UNDER/OVER VOLTAGE	-	-	-	-	√	√
UNDER/OVER FREQUENCY	-	-	-	-	√	√
REVERSE POWER	-	-	-	-	√	√
<b>OUTPUT**</b>						
ETB - EXTERNAL TERMINAL BOARD	S	-	S	√	S	√
SKB - SOCKET KIT B:	S	-	S	√	S	-
STANDARD SOCKETS FOR CANOPY MODELS:	10 - 22:	30 - 50:	-	10 - 225:	S	-
400V CEE 5P 63A	-	1	-	1	-	-
400V CEE 5P 32A	1	1	-	1	(standard sockets for models: GS10-22 n.1 400V 5P 32A GS30-50 n.1 400V 5P 63A)	-
400V CEE 3P 16A	1	-	-	1	-	-
230V CEE 3P 16A	2	2	-	1	-	-
230V SCHUKO 16A	1	1	-	1	-	-
TERMINALS CONNECTION FOR LTS PANEL	-	-	-	-	√	-
PREDISPOSED FOR REMOTE CONTROL RCG	-	-	-	-	√	√
RS232 COMMUNICATION PORT	-	-	-	-	√	√
MULTI-PIN CONNECTORS FOR PARALLEL GE	-	-	-	-	-	√
<b>OPTIONALS **</b>						
TIF - IV POLES CIRCUIT BREAKER	S	S	S	S	S	√
ADI - EARTH FAULT PROTECTION RELAY	√	√	√	√	S	S
RSS - REMOTE START & STOP	S	S	S	S	√	√
TLP - TERMINAL LOW POTENTIAL	-	-	-	-	S	S
RCG - REMOTE CONTROLS	-	-	-	-	S	S
PHS - COOLANT PRE-HEATING SYSTEM	-	-	-	-	S	S
AFP - AUTOMATIC FUEL PUMP	-	-	-	-	S	S
LTS - LOAD TRANSFER SWITCH	-	-	-	-	0	-
ATS - AUTOMATIC TRANSFER SWITCH	-	-	-	-	0	0

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

# OPTIONALS

## GSW SERIES 10 - 225

### SUPPLEMENTS AND ACCESSORIES \*\*

#### KPR - PREMIUM KIT

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



#### EFT - EXTENDED FUEL TANK

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



#### AFP - AUTOMATIC FUEL PUMP

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



#### LTS - LOAD TRANSFER SWITCH

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



\*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

#### TRAILERS

Designed to transporting our generator sets with maximum safety.

Available in two different types both for road and site applications, according to customer needs



#### CONTROL PANEL SUPPLEMENTS

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



#### KRT - RENTAL KIT

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



#### RCG - REMOTE CONTROL

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





**GSW 330**  
PowerEngineering



# GSW 275-830



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

## OPEN



Moving and rotating parts protections against accidental contacts



Lube oil drain pump



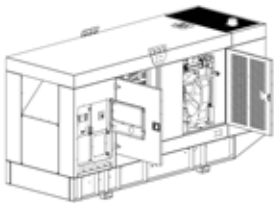
Integrated plastic fuel tank



Base frame provided with feet for easy handling



## CANOPY



High quality canopy design



Roof mounted lifting plates



Lockable door handles



Opening for fuel pipes



## GSW 275 - 310 DIESEL

GENERATING SET		GSW275V		GSW275DO		GSW280V		GSW310DO		GSW310M	
POWER SUPPLY		THREE PHASE 400/230V**									
<b>THREE PHASE</b>		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>
STAND BY POWER LTP		220	275	220	275	220	275	248	310	248	309
PRIME POWER PRP		201	251	211	264	203	253	219	274	224	280
<b>POWER SPECIFICATIONS</b>											
VOLTAGE	Volt	400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50	
POWER FACTOR	cos $\Phi$	0,8		0,8		0,8		0,8		0,8	
<b>ENGINE</b>											
BRAND		Volvo		Doosan		Volvo		Doosan		MTU	
MODEL		TAD734GE		P126TI		TAD754GE		P126TI		6R1600G10F	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	7150		11051		7150		11051		10500	
SPEED	rpm	1500		1500		1500		1500		1500	
CYLINDER		6 in line		6 in line		6 in line		6 in line		6 in line	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	24		24		24		24		24	
ASPIRATION		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled	
SPEED GOVERNOR		Electronic		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Stage II		Stage II		Stage IIIA		Stage II		Stage IIIA	
STAND BY POWER LTP	kW	250,0		272,0		250,0		272,0		274,0	
PRIME POWER PRP	kW	227,0		241,0		228,0		241,0		249,0	
<b>ALTERNATOR</b>											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21		21		21	
<b>CONSUMPTION</b>											
FUEL CONSUMPTION at 75% / 100% of load	L/h	44,6 / 55,13		42,46 / 56,2		46,4 / 57,0		43,88 / 58,1		44,69 / 58,1	
<b>VERSION</b>		<b>OPEN</b>		<b>CANOPY</b>		<b>OPEN</b>		<b>CANOPY</b>		<b>OPEN</b>	
<b>NOISE EMISSION</b>											
NOISE PRESSURE LEVEL at 7 mt	db(A)	*	68	*	68	*	68	*	68	*	68
GUARANTEED SOUND POWER LEVEL	LWA db(A)	*	97	*	97	*	97	*	97	*	97
<b>DIMENSION AND WEIGHT</b>											
LENGTH	mm	3300	3951	3300	3951	3300	3951	3300	3951	3300	3951
WIDTH	mm	1400	1438	1400	1438	1400	1438	1400	1438	1400	1460
HEIGHT	mm	1844	2085	1887	2085	1844	2085	1887	2085	2100	2175
WEIGHT (DRY)	kg	2177	2990	2210	3006	2177	2990	2580	3105	2920	3740
FUEL TANK MATERIAL		Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	L	636		636		636		636		636	
RUNNING TIME at 75% of load	h	14,26		14,98		13,71		14,49		14,23	
<b>OPTIONALS **</b>											
EFT - EXTENDED FUEL TANK (supplement)	L	2330		2330		2330		2330		2330	
LTP - LEAK PROOF TRAY		S		S		S		S		S	
KRT - RENTAL KIT		-	S	-	S	-	S	-	S	-	S
RES - RESIDENTIAL SILENCER		0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		0	√	0	√	0	√	0	√	0	√
<b>CONTROL PANEL AVAILABLE</b>											
AUTOMATIC CONTROL PANEL	ACP	①		①		①		①		①	
MODULAR PARALLEL PANEL	MPP	②		②		②		②		②	

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## GSW 330 - 370 DIESEL

GENERATING SET	GSW330D0		GSW330M		GSW330V		GSW360V		GSW370V	
	THREE PHASE 400/230V**									
POWER SUPPLY	kW		kVA		kW		kVA		kW	
THREE PHASE	264	330	264	330	264	330	286	358	296	370
STAND BY POWER LTP	242	302	248	309	252	315	261	326	283	354
PRIME POWER PRP										
POWER SPECIFICATIONS										
VOLTAGE	400		400		400		400		400	
FREQUENCY	50		50		50		50		50	
POWER FACTOR	0,8		0,8		0,8		0,8		0,8	
ENGINE										
BRAND	Doosan		MTU		Volvo		Volvo		Volvo	
MODEL	P126TI-II		6R1600G20F		TAD1342GE		TAD1351GE		TAD1342GE	
FUEL	Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	11051		10500		12780		12780		12780	
SPEED	1500		1500		1500		1500		1500	
CYLINDER	6 in line		6 in line		6 in line		6 in line		6 in line	
COOLING SYSTEM	Water		Water		Water		Water		Water	
STARTING SYSTEM	Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	24		24		24		24		24	
ASPIRATION	Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled	
SPEED GOVERNOR	Electronic		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU	Non Emission Certified		Stage IIIA		Stage II		Stage IIIA		Stage II	
STAND BY POWER LTP	294,0		301,0		343,0		313,0		343,0	
PRIME POWER PRP	265,0		274,0		313,0		286,0		313,0	
ALTERNATOR										
TYPE	Brushless		Brushless		Brushless		Brushless		Brushless	
POLES	4		4		4		4		4	
VOLTAGE REGULATION SYSTEM	Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	21		21		21		21		21	
CONSUMPTION										
FUEL CONSUMPTION at 75% / 100% of load	47,26 / 63,09		48,62 / 63,61		48,49 / 63,43		52,41 / 68,09		54,4 / 71,17	
VERSION	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
NOISE EMISSION										
NOISE PRESSURE LEVEL at 7 mt	*	68	*	68	*	68	*	68	*	68
GUARANTEED SOUND POWER LEVEL	*	97	*	97	*	97	*	97	*	97
DIMENSION AND WEIGHT										
LENGTH	3300	3951	3300	3950	3300	3951	3300	3951	3300	3951
WIDTH	1400	1438	1400	1460	1460	1438	1460	1438	1460	1438
HEIGHT	1887	2085	2100	2175	1965	2085	1965	2085	1965	2085
WEIGHT (DRY)	2580	3105	2920	3740	3160	3671	3160	3671	3160	3671
FUEL TANK MATERIAL	Plastic		Plastic		Plastic		Plastic		Plastic	
FUEL TANK CAPACITY	636		636		636		636		636	
RUNNING TIME at 75% of load	13,46		13,08		13,12		12,14		11,69	
OPTIONALS **										
EFT - EXTENDED FUEL TANK (supplement)	L		2330		2330		2330		2330	
LTP - LEAK PROOF TRAY	S		S		S		S		S	
KRT - RENTAL KIT	-	S	-	S	-	S	-	S	-	S
RES - RESIDENTIAL SILENCER	0	√	0	√	0	√	0	√	0	√
FEC - FLEXIBLE EXHAUST COMPENSATOR	0	√	0	√	0	√	0	√	0	√
CONTROL PANEL AVAILABLE										
AUTOMATIC CONTROL PANEL	ACP		11		11		11		11	
MODULAR PARALLEL PANEL	MPP		12		12		12		12	

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## GSW 405 - 460 DIESEL

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

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## GSW 505 - 555 DIESEL

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

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## GSW 560 - 650 DIESEL

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

- = not available - S = Supplement (version available when ordered); for equipment and descriptions see page 87 - 0 = Accessory; for equipment and descriptions see page 87 - ● = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 86 - √ standard - \*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com) - \* Open version only for stationary applications

## GSW 665 - 830 DIESEL

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

- = not available - S = Supplement (version available when ordered); for equipment and descriptions see page 87 - 0 = Accessory; for equipment and descriptions see page 87 - ● = Reference number; for descriptions and options see ELECTRICAL EQUIPMENT page 86 -  $\checkmark$  standard - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com) - \* Open version only for stationary applications



# ELECTRICAL EQUIPMENT

## GSW SERIES 275 - 830

### CONTROL PANELS

#### Type

#### ACP <sup>①</sup> Automatic Control Panel



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

#### MPP <sup>②</sup> Modular Parallel Panel



### OPERATIONAL TYPES

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

### COMMAND

OPERATION MODES	OFF Manual starting Automatic starting Automatic test	OFF Manual starting Automatic function Multiple parallel genset Parallel to Mains
EMERGENCY STOP BUTTON	✓	✓
CIRCUIT BREAKER	✓	✓

### INSTRUMENTATIONS

TYPE	Digital control unit	Digital control unit
GENSET VOLTAGE	3 phases sensing	3 phases sensing
GENSET CURRENT INTENSITY	3 phases sensing	3 phases sensing
FREQUENCY METER	✓	✓
HOUR METER	✓	✓
FUEL LEVEL	✓	✓
OIL PRESSURE	✓	✓
ENGINE TEMPERATURE	✓	✓
GENERATING SET POWER	kVA - kW - kVAr - Cos $\Phi$	kVA - kW - kVAr - Cos $\Phi$
BATTERY VOLTAGE	✓	✓
MAINS VOLTAGE	✓	✓
ENGINE SPEED R.P.M.	✓	✓

### PROTECTIONS

LOW FUEL LEVEL	✓	✓
LOW OIL PRESSURE	✓	✓
HIGH ENGINE TEMPERATURE	✓	✓
BATTERY CHARGER FAILURE	✓	✓
EARTH FAULT	✓	✓
CIRCUIT BREAKER PROTECTION	III Poles	IV Poles (motorized)
UNDER/OVER VOLTAGE	✓	✓
UNDER/OVER FREQUENCY	✓	✓
REVERSE POWER	✓	✓

### OUTPUT\*\*

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

### OPTIONALS \*\*

TIF - IV POLES CIRCUIT BREAKER	S	✓
ADI - EARTH FAULT PROTECTION RELAY	S	S
SKB/SKC - SOCKET KIT:	S	-
TLP - TERMINAL LOW POTENTIAL	S	S
RCG - REMOTE CONTROLS	S	S
PHS - COOLANT PRE-HEATING SYSTEM	S	S
AFP - AUTOMATIC FUEL PUMP	S	S
LTS - LOAD TRANSFER SWITCH	0	-
ATS - AUTOMATIC TRANSFER SWITCH	0	0

✓ = Standard - 0 = Accessory available - S = Supplement (version available when ordered) - - = Not available - \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)



# OPTIONALS

## GSW SERIES 275 - 830

### SUPPLEMENTS AND ACCESSORIES \*\*

#### LTS - LOAD TRANSFER SWITCH

To transfer the load from the mains to the generator and vice versa. The logic control of the power supply changeover is operated by the Automatic Mains Control (ATS) mounted on the generator



#### ATS - AUTOMATIC TRANSFER SWITCH

The ATS panel is complete with monitoring logic mains (inteliATS) and internal change-over switches. In the case of any mains supply disproportion it sends a remote start command to the generator and makes change over for both generator and mains contactors



#### AFP - AUTOMATIC FUEL PUMP

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



#### PHS - COOLANT PREHEATING SYSTEM

To maintain the engine at a temperature that ensures a quick start when required



#### CONTROL PANEL SUPPLEMENTS

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



#### EFT - EXTENDED FUEL TANK

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



#### EXHAUST SYSTEM

The open version can be equipped with Industrial or Residential silencer



#### RCG - REMOTE CONTROL

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



\*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)





# GSW 815-3360



From 815 to 3360kVA, these heavy-duty generating sets are designed for high power demands. Regardless of the field of activity, whether it is medical, telecommunications or industrial, the GSW Higher Power Series is your reliable partner to serve your customer's needs. With a modular layout, these generators meet the requirements of different market areas, enjoying the economic benefits of a standard production.

## OPEN



Moving rotating parts protections



Manual lube oil drain pump



Heavy-duty anti-vibrations mountings



Efficient air filters



GSW 815-3360

## CANOPY



Large doors for easy service and maintenance



Control panel doors (one each side)



Niche for external emergency push-button



Robust and lockable door handles



GSW 815-1650

## CONTAINER



Internal lighting system



ISO lifting hooks



Removable metal plate for power cable passage



Container floor with crosshatch metal pattern surface



GSW 815-3360

GSW 815 - 1000 DIESEL

GENERATING SET	
POWER SUPPLY	
THREE PHASE	
STAND BY POWER LTP	
PRIME POWER PRP	
POWER SPECIFICATIONS	
VOLTAGE	Volt
FREQUENCY	Hz
POWER FACTOR	cos Φ
ENGINE	
BRAND	
MODEL	
FUEL	
DISPLACEMENT	cc
SPEED	rpm
CYLINDER	
COOLING SYSTEM	
STARTING SYSTEM	
ELECTRIC CIRCUIT	Volt
ASPIRATION	
SPEED GOVERNOR	
EMISSION STAGE COMPLIANCE EU	
STAND BY POWER LTP	kW
PRIME POWER PRP	kW
ALTERNATOR	
TYPE	
POLES	
VOLTAGE REGULATION SYSTEM	
ALTERNATOR PROTECTION	IP
CONSUMPTION	
FUEL CONSUMPTION at 75% / 100% of load	L/h
VERSION	
DIMENSION AND WEIGHT	
LENGTH	mm
WIDTH	mm
HEIGHT	mm
WEIGHT (DRY)	kg

		GSW815P			GSW870M			GSW875P			GSW1000M						
		THREE PHASE 400/230V**															
		kW		kVA		kW		kVA		kW		kVA					
STAND BY POWER LTP		661		826		697		871		699		874		808		1010	
PRIME POWER PRP		601		751		631		788		646		807		731		913	
VOLTAGE		400		400		400		400		400		400		400		400	
FREQUENCY		50		50		50		50		50		50		50		50	
POWER FACTOR		0,8		0,8		0,8		0,8		0,8		0,8		0,8		0,8	
BRAND		Perkins			MTU			Perkins			MTU						
MODEL		4006-23TAG2A			12V2000G65			4006-23TAG3A			16V2000G25						
FUEL		Diesel			Diesel			Diesel			Diesel						
DISPLACEMENT		22921			23880			22921			31840						
SPEED		1500			1500			1500			1500						
CYLINDER		6 in line			12 V			6 in line			16 V						
COOLING SYSTEM		Water			Water			Water			Water						
STARTING SYSTEM		Electric			Electric			Electric			Electric						
ELECTRIC CIRCUIT		24			24			24			24						
ASPIRATION		Turbocharged aftercooled			Turbocharged aftercooled			Turbocharged aftercooled			Turbocharged aftercooled						
SPEED GOVERNOR		Electronic			Electronic			Electronic			Electronic						
EMISSION STAGE COMPLIANCE EU		Unregulated			Unregulated			Unregulated			Unregulated						
STAND BY POWER LTP		721,0		765,0		786,0		891,0		786,0		891,0		891,0		891,0	
PRIME POWER PRP		658,0		695,0		705,0		810,0		705,0		810,0		810,0		810,0	
TYPE		Brushless			Brushless			Brushless			Brushless						
POLES		4			4			4			4						
VOLTAGE REGULATION SYSTEM		Electronic			Electronic			Electronic			Electronic						
ALTERNATOR PROTECTION		21			21			21			21						
FUEL CONSUMPTION at 75% / 100% of load		125,34 / 163,72			127,65 / 166,3			133,55 / 176,25			145,37 / 190,93						
		OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER				
LENGTH		4100	6541	6055	4100	6541	6055	4100	6541	6055	4226	6541	6055				
WIDTH		2130	2171	2438	2130	2171	2438	2130	2171	2438	2130	2171	2438				
HEIGHT		2218	2679	2591	2294	2679	2591	2218	2679	2591	2295	2679	2591				
WEIGHT (DRY)		6641	8491	9641	6472	8332	9472	6641	8650	9641	7150	9210	10150				
GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:																	
BAT - LEAD-ACID STARTING BATTERIES KIT		S			S			S			S						
IFT - INTEGRATED FUEL TANK		S			S			S			S						
FUEL TANK MATERIAL		Metal			Metal			Metal			Metal						
CAPACITY AVAILABLE [IFT1 or IFT2]		500/1000		500/1000		500/1000		500/1000		500/1000		500/1000					
RUNNING TIME at 75% of load		3,99 / 7,98		3,92 / 7,83		3,74 / 7,49		3,44 / 6,88		3,44 / 6,88		3,44 / 6,88					
FBD - FULLY BUNDED BASE FRAME		S			S			S			S						
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S			S			S			S						
AFP - AUTOMATIC FUEL PUMP		S			S			S			S						
PHS - COOLANT PRE-HEATING SYSTEM		S			S			S			S						
SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)		OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER	OPEN	CANOPY	CONTAINER				
IES - INDUSTRIAL SILENCER -15 db(A)		S	-		S	-		S	-		S	-					
RES - RESIDENTIAL SILENCER -35/38 db(A)		S	√		S	√		S	√		S	√					
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√		S	√		S	√		S	√					
CONTROL PANEL AVAILABLE																	
AUTOMATIC CONTROL PANEL ACP		13			13			13			13						
MODULAR PARALLEL PANEL MPP		14			14			14			14						

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GSW 1120 - 1400 DIESEL

GENERATING SET		GSW1120M			GSW1130P			GSW1260M			GSW1400P		
POWER SUPPLY		THREE PHASE 400/230V**											
<b>THREE PHASE</b>		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>		
STAND BY POWER LTP		896	1120	918	1147	1010	1262	1119	1399				
PRIME POWER PRP		810	1013	835	1044	914	1142	1013	1266				
<b>POWER SPECIFICATIONS</b>													
VOLTAGE	Volt	400		400		400		400					
FREQUENCY	Hz	50		50		50		50					
POWER FACTOR	cos φ	0,8		0,8		0,8		0,8					
<b>ENGINE</b>													
BRAND		MTU		Perkins		MTU		Perkins					
MODEL		16V2000G65		4008 TAG2A		18V2000G65		4012-46TWG2A					
FUEL		Diesel		Diesel		Diesel		Diesel					
DISPLACEMENT	cc	31840		30561		35820		45842					
SPEED	rpm	1500		1500		1500		1500					
CYLINDER		16 V		8 in line		18 V		12 V					
COOLING SYSTEM		Water		Water		Water		Water					
STARTING SYSTEM		Electric		Electric		Electric		Electric					
ELECTRIC CIRCUIT	Volt	24		24		24		24					
ASPIRATION		Turbocharged aftercooled		Turbocharged aftercooled		Turbocharged aftercooled		Turbocharged aftercooled					
SPEED GOVERNOR		Electronic		Electronic		Electronic		Electronic					
EMISSION STAGE COMPLIANCE EU		Unregulated		Unregulated		Unregulated		Unregulated					
STAND BY POWER LTP	kW	979,0		985,0		1100,0		1217,0					
PRIME POWER PRP	kW	890,0		899,0		1000,0		1106,0					
<b>ALTERNATOR</b>													
TYPE		Brushless		Brushless		Brushless		Brushless					
POLES		4		4		4		4					
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic					
ALTERNATOR PROTECTION	IP	21		21		21		21					
<b>CONSUMPTION</b>													
FUEL CONSUMPTION at 75% / 100% of load	L/h	158,01 / 212,96		163,44 / 222,61		181,08 / 239,29		214,15 / 277,82					
<b>VERSION</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>													
LENGTH	mm	4426	6541	6055	4646	7800	12190	4646	7800	12190	5004	7800	12190
WIDTH	mm	2130	2171	2438	2122	2424	2438	2122	2424	2438	2200	2424	2438
HEIGHT	mm	2295	2679	2591	2466	2997	2896	2466	2997	2896	2504	2997	2896
WEIGHT (DRY)	kg	7455	9515	10455	8170	11067	14667	9179	11579	15179	10040	12740	16040
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>													
BAT - LEAD-ACID STARTING BATTERIES KIT		S		S		S		S					
IFT - INTEGRATED FUEL TANK		S		S		S		S					
FUEL TANK MATERIAL		Metal		Metal		Metal		Metal					
CAPACITY AVAILABLE [IFT1 or IFT2]	L	500/1000		500/1000		500/1000		500/1000					
RUNNING TIME at 75% of load	h	3,16/ 6,33		3,06/ 6,12		2,76/ 5,52		2,33/ 4,67					
FBD - FULLY BUNDED BASE FRAME		S		S		S		S					
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S		S		S		S					
AFP - AUTOMATIC FUEL PUMP		S		S		S		S					
PHS - COOLANT PRE-HEATING SYSTEM		S		S		S		S					
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER	-15 db(A)	S	-		S	-		S	-		S	-	
RES - RESIDENTIAL SILENCER	-35/38 db(A)	S	√		S	√		S	√		S	√	
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√		S	√		S	√		S	√	
<b>CONTROL PANEL AVAILABLE</b>													
AUTOMATIC CONTROL PANEL	ACP	13		13		13		13					
MODULAR PARALLEL PANEL	MPP	14		14		14		14					

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GSW 1510 - 1650 DIESEL

GENERATING SET		GSW1510P			GSW1500M			GSW1650P		
POWER SUPPLY		THREE PHASE 400/230V**								
THREE PHASE		<b>kW</b>	<b>kVA</b>		<b>kW</b>	<b>kVA</b>		<b>kW</b>	<b>kVA</b>	
STAND BY POWER LTP		1215	1519		1216	1520		1328	1660	
PRIME POWER PRP		1105	1382		1121	1401		1227	1534	
<b>POWER SPECIFICATIONS</b>										
VOLTAGE	Volt	400			400			400		
FREQUENCY	Hz	50			50			50		
POWER FACTOR	cos Φ	0,8			0,8			0,8		
<b>ENGINE</b>										
BRAND		Perkins			MTU			Perkins		
MODEL		4012-46TWG3A			12V4000G23R			4012-46TAG2A		
FUEL		Diesel			Diesel			Diesel		
DISPLACEMENT	cc	45842			57199			45842		
SPEED	rpm	1500			1500			1500		
CYLINDER		12 V			12 V			12 V		
COOLING SYSTEM		Water			Water			Water		
STARTING SYSTEM		Electric			Electric			Electric		
ELECTRIC CIRCUIT	Volt	24			24			24		
ASPIRATION		Turbocharged			Turbocharged aftercooled			Turbocharged		
SPEED GOVERNOR		Electronic			Electronic			Electronic		
EMISSION STAGE COMPLIANCE EU		Unregulated			Unregulated			Unregulated		
STAND BY POWER LTP	kW	1314,0			1325,0			1459,0		
PRIME POWER PRP	kW	1200,0			1205,0			1331,0		
<b>ALTERNATOR</b>										
TYPE		Brushless			Brushless			Brushless		
POLES		4			4			4		
VOLTAGE REGULATION SYSTEM		Electronic			Electronic			Electronic		
ALTERNATOR PROTECTION	IP	21			21			23		
<b>CONSUMPTION</b>										
FUEL CONSUMPTION at 75% / 100% of load	L/h	229,91 / 301,43			213,87 / 275,43			240,89 / 316,91		
<b>VERSION</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>										
LENGTH	mm	5004	7800	12190	6000	7800	12190	5004	7800	12190
WIDTH	mm	2200	2424	2438	2150	2424	2438	2200	2424	2438
HEIGHT	mm	2574	2997	2896	2722	2997	2896	2574	2997	2896
WEIGHT (DRY)	kg	10330	13030	16330	11590	17000	24000	11074	14000	17074
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>										
BAT - LEAD-ACID STARTING BATTERIES KIT		S			S			S		
IFT - INTEGRATED FUEL TANK		S			S			S		
FUEL TANK MATERIAL		Metal			Metal			Metal		
CAPACITY AVAILABLE [IFT1 or IFT2]	L	500/1000			500/1000			500/1000		
RUNNING TIME at 75% of load	h	2,17/ 4,35			2,34/ 4,35			2,08/ 4,15		
FBD - FULLY BUNDED BASE FRAME		S			S			S		
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S			S			S		
AFP - AUTOMATIC FUEL PUMP		S			S			S		
PHS - COOLANT PRE-HEATING SYSTEM		S			S			S		
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>		<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER	-15 db(A)	S	-		S	-		S	-	
RES - RESIDENTIAL SILENCER	-35/38 db(A)	S	√		S	√		S	√	
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√		S	√		S	√	
<b>CONTROL PANEL AVAILABLE</b>										
AUTOMATIC CONTROL PANEL	ACP	13			13			13		
MODULAR PARALLEL PANEL	MPP	14			14			14		

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GSW 1770 - 2040 DIESEL

GENERATING SET	GSW1770M		GSW1780P		GSW2040M	
	THREE PHASE 400/230V**					
POWER SUPPLY	kW	kVA	kW	kVA	kW	kVA
THREE PHASE						
STAND BY POWER LTP	1424	1780	1424	1780	1635	2044
PRIME POWER PRP	1329	1661	1360	1700	1483	1854
<b>POWER SPECIFICATIONS</b>						
VOLTAGE	400		400		400	
FREQUENCY	50		50		50	
POWER FACTOR	0,8		0,8		0,8	
<b>ENGINE</b>						
BRAND	MTU		Perkins		MTU	
MODEL	12V4000G23		4012-46TAG3A		12V4000G63	
FUEL	Diesel		Diesel		Diesel	
DISPLACEMENT	57199		45842		57200	
SPEED	1500		1500		1500	
CYLINDER	12 V		12 V		12 V	
COOLING SYSTEM	Water		Water		Water	
STARTING SYSTEM	Electric		Electric		Electric	
ELECTRIC CIRCUIT	24		24		24	
ASPIRATION	Turbocharged aftercooled		Turbocharged aftercooled		Turbocharged aftercooled	
SPEED GOVERNOR	Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU	Unregulated		Unregulated		Unregulated	
STAND BY POWER LTP	1562,0		1643,0		1733,0	
PRIME POWER PRP	1420,0		1500,0		1575,0	
<b>ALTERNATOR</b>						
TYPE	Brushless		Brushless		Brushless	
POLES	4		4		4	
VOLTAGE REGULATION SYSTEM	Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP		21		21	
<b>CONSUMPTION</b>						
FUEL CONSUMPTION at 75% / 100% of load	249,06 / 319,50		274,91 / 365,55		273,16 / 360,0	
<b>VERSION</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>						
LENGTH	6000	12190	5004	12190	6000	12190
WIDTH	2150	2438	2200	2438	2150	2438
HEIGHT	2722	2896	2610	2896	2722	2896
WEIGHT (DRY)	12150	20150	11561	17561	12430	20430
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>						
BAT - LEAD-ACID STARTING BATTERIES KIT	S		S		S	
IFT - INTEGRATED FUEL TANK	S		S		S	
FUEL TANK MATERIAL	Metal		Metal		Metal	
CAPACITY AVAILABLE [IFT1 or IFT2]	500/1000		500/1000		500/1000	
RUNNING TIME at 75% of load	2,01/ 4,02		1,82/ 3,64		1,83/ 3,66	
FBD - FULLY BUNDED BASE FRAME	S		S		S	
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)	S		S		S	
AFP - AUTOMATIC FUEL PUMP	S		S		S	
PHS - COOLANT PRE-HEATING SYSTEM	S		S		S	
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER -15 db(A)	S	-	S	-	S	-
RES - RESIDENTIAL SILENCER -35/38 db(A)	S	√	S	√	S	√
FEC - FLEXIBLE EXHAUST COMPENSATOR	S	√	S	√	S	√
<b>CONTROL PANEL AVAILABLE</b>						
AUTOMATIC CONTROL PANEL	ACP		13		13	
MODULAR PARALLEL PANEL	MPP		14		14	

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GSW 2025 - 2270 DIESEL

GENERATING SET		GSW2025P		GSW2266P		GSW2270M	
POWER SUPPLY		THREE PHASE 400/230V**					
THREE PHASE		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>
STAND BY POWER LTP		1636	2046	1814	2268	1814	2268
PRIME POWER PRP		1515	1893	1617	2021	1737	2171
<b>POWER SPECIFICATIONS</b>							
VOLTAGE	Volt	400		400		400	
FREQUENCY	Hz	50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8	
<b>ENGINE</b>							
BRAND		Perkins		Perkins		MTU	
MODEL		4016-61TRG1		4016-61TRG2		16V4000G23	
FUEL		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	61123		61123		76300	
SPEED	rpm	1500		1500		1500	
CYLINDER		16 V		16 V		16 V	
COOLING SYSTEM		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	24		24		24	
ASPIRATION		Turbocharged		Turbocharged		Turbocharged aftercooled	
SPEED GOVERNOR		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Unregulated		Unregulated		Unregulated	
STAND BY POWER LTP	kW	1774,0		1985,0		1965,0	
PRIME POWER PRP	kW	1648,0		1774,0		1798,0	
<b>ALTERNATOR</b>							
TYPE		Brushless		Brushless		Brushless	
POLES		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		21	
<b>CONSUMPTION</b>							
FUEL CONSUMPTION at 75% / 100% of load	L/h	311,9 / 394,34		331,78 / 432,94		305,99 / 402,41	
<b>VERSION</b>		<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
<b>DIMENSION AND WEIGHT</b>							
LENGTH	mm	5800	12190	5800	12190	6800	12190
WIDTH	mm	2188	2438	2188	2438	2150	2438
HEIGHT	mm	2798	2896	2798	2896	2772	2896
WEIGHT (DRY)	kg	20430	22588	14902	22902	15620	23620
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>							
BAT - LEAD-ACID STARTING BATTERIES KIT		S		S		S	
IFT - INTEGRATED FUEL TANK		S		S		S	
FUEL TANK MATERIAL		Metal		Metal		Metal	
CAPACITY AVAILABLE [IFT1 or IFT2]	L	500/1000		500/1000		500/1000	
RUNNING TIME at 75% of load	h	1,60/ 3,21		1,51/ 3,01		1,63/ 3,27	
FBD - FULLY BUNDED BASE FRAME		S		S		S	
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S		S		S	
AFP - AUTOMATIC FUEL PUMP		S		S		S	
PHS - COOLANT PRE-HEATING SYSTEM		S		S		S	
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>		<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>	<b>OPEN</b>	<b>CONTAINER</b>
IES - INDUSTRIAL SILENCER	-15 db(A)	S	-	S	-	S	-
RES - RESIDENTIAL SILENCER	-35/38 db(A)	S	√	S	√	S	√
FEC - FLEXIBLE EXHAUST COMPENSATOR		S	√	S	√	S	√
<b>CONTROL PANEL AVAILABLE</b>							
AUTOMATIC CONTROL PANEL	ACP	13		13		13	
MODULAR PARALLEL PANEL	MPP	14		14		14	

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**GSW 2520 - 3360 DIESEL**

<b>GENERATING SET</b>		<b>GSW2520P</b>		<b>GSW2600M</b>		<b>GSW2800M</b>		<b>GSW3100M</b>		<b>GSW3360M</b>	
POWER SUPPLY		THREE PHASE 400/230V**									
<b>THREE PHASE</b>		<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>	<b>kW</b>	<b>kVA</b>
STAND BY POWER LTP		2016	2520	2044	2556	2200	2750	2537	3171	2640	3300
PRIME POWER PRP		1815	2269	1854	2317	2066	2582	2301	2876	2467	3083
<b>POWER SPECIFICATIONS</b>											
VOLTAGE	Volt	400		400		400		400		400	
FREQUENCY	Hz	50		50		50		50		50	
POWER FACTOR	cos Φ	0,8		0,8		0,8		0,8		0,8	
<b>ENGINE</b>											
BRAND		Perkins		MTU		MTU		MTU		MTU	
MODEL		4016-61TRG3		16V4000G63		20V4000G23		20V4000G63		20V4000G63L	
FUEL		Diesel		Diesel		Diesel		Diesel		Diesel	
DISPLACEMENT	cc	61123		76300		95400		95400		95400	
SPEED	rpm	1500		1500		1500		1500		1500	
CYLINDER		16 V		16 V		20 V		20 V		20 V	
COOLING SYSTEM		Water		Water		Water		Water		Water	
STARTING SYSTEM		Electric		Electric		Electric		Electric		Electric	
ELECTRIC CIRCUIT	Volt	24		24		24		24		24	
ASPIRATION		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled		Turbocharged intercooled	
SPEED GOVERNOR		Electronic		Electronic		Electronic		Electronic		Electronic	
EMISSION STAGE COMPLIANCE EU		Unregulated		Unregulated		Unregulated		Unregulated		Unregulated	
STAND BY POWER LTP	kW	2183,0		2162,0		2420,0		2662,0		2849,0	
PRIME POWER PRP	kW	1975,0		1965,0		2200,0		2420,0		2590,0	
<b>ALTERNATOR</b>											
TYPE		Brushless		Brushless		Brushless		Brushless		Brushless	
POLES		4		4		4		4		4	
VOLTAGE REGULATION SYSTEM		Electronic		Electronic		Electronic		Electronic		Electronic	
ALTERNATOR PROTECTION	IP	21		21		23		23		23	
<b>CONSUMPTION</b>											
FUEL CONSUMPTION at 75% / 100% of load	L/h	357,94 / 481,99		337,27 / 442,13		394/ 510		429/ 556		455/ 592	
<b>VERSION</b>		<b>OPEN</b>		<b>CONTAINER</b>		<b>OPEN</b>		<b>CONTAINER</b>		<b>OPEN</b>	
<b>DIMENSION AND WEIGHT</b>		<b>OPEN</b>		<b>CONTAINER</b>		<b>OPEN</b>		<b>CONTAINER</b>		<b>OPEN</b>	
LENGTH	mm	5800		6800		7535		7535		7535	
WIDTH	mm	2188		2150		2280		2280		2288	
HEIGHT	mm	3209		2622		2755		3239		3239	
WEIGHT (DRY)	kg	15300		15900		20500		22500		21800	
<b>GENSET EQUIPMENT - BASIC CONFIGURATIONS AVAILABLE**:</b>											
BAT - LEAD-ACID STARTING BATTERIES KIT		S		S		S		S		S	
IFT - INTEGRATED FUEL TANK		S		S		S		S		S	
FUEL TANK MATERIAL		Metal		Metal		Metal		Metal		Metal	
CAPACITY AVAILABLE [IFT1 or IFT2]	L	500/1000		500/1000		500/1000		500/1000		500/1000	
RUNNING TIME at 75% of load	h	1,4/ 2,79		1,48/ 2,96		1,27/ 2,54		1,17/ 2,33		1,1/ 2,2	
FBD - FULLY BUNDED BASE FRAME		S		S		S		S		S	
LDS - LEAKAGE DETECTION SENSOR (ONLY WITH FBD)		S		S		S		S		S	
AFP - AUTOMATIC FUEL PUMP		S		S		S		S		S	
PHS - COOLANT PRE-HEATING SYSTEM		S		S		S		S		S	
<b>SYSTEMS EXHAUST SILENCER AVAILABLE (for OPEN version)</b>		<b>OPEN</b>		<b>CONTAINER</b>		<b>OPEN</b>		<b>CONTAINER</b>		<b>OPEN</b>	
IES - INDUSTRIAL SILENCER	-15 db(A)	S		S		S		S		S	
RES - RESIDENTIAL SILENCER	-35/38 db(A)	S		S		S		S		S	
FEC - FLEXIBLE EXHAUST COMPENSATOR		S		S		S		S		S	
<b>CONTROL PANEL AVAILABLE</b>											
AUTOMATIC CONTROL PANEL	ACP	13		13		13		13		13	
MODULAR PARALLEL PANEL	MPP	14		14		14		14		14	

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# ELECTRICAL EQUIPMENT

## GSW SERIES 815-3360

### CONTROL PANELS

Type	ACP <sup>13</sup> Automatic Control Panel	MPP <sup>14</sup> Modular Parallel Panel
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Control panels with controls, instrumentations and protections to meet multiple applications. Designed for dedicated metallic box assembled and integrated into the generator.



#### OPERATIONAL TYPES

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

#### COMMAND

OPERATION MODES	OFF Manual starting Automatic starting Automatic test	OFF Manual starting Automatic function Multiple parallel genset Parallel to Mains
EMERGENCY STOP BUTTON	√	√

#### INSTRUMENTATIONS

TYPE	Digital control unit	Digital control unit
GENSET VOLTAGE	3 phases sensing	3 phases sensing
GENSET CURRENT INTENSITY	3 phases sensing	3 phases sensing
FREQUENCY METER	√	√
HOURS-COUNTER	√	√
FUEL LEVEL	√	√
OIL PRESSURE	√	√
ENGINE TEMPERATURE	√	√
GENERATING SET POWER	kVA - kW - kVAr - Cos Φ	kVA - kW - kVAr - Cos Φ
BATTERY VOLTAGE	√	√
MAINS VOLTAGE	√	√
ENGINE SPEED R.P.M.	√	√

#### PROTECTIONS

LOW FUEL LEVEL	√	√
LOW OIL PRESSURE	√	√
HIGH ENGINE TEMPERATURE	√	√
BATTERY CHARGER FAILURE	√	√
UNDER/OVER VOLTAGE	√	√
UNDER/OVER FREQUENCY	√	√
REVERSE POWER	√	√

#### OUTPUT\*\*

TERMINALS CONNECTION FOR LTS PANEL	√	-
PREDISPOSED FOR REMOTE CONTROL RCG	√	√
RS232 COMMUNICATION PORT	√	√
MULTI-PIN CONNECTORS FOR PARALLEL GE	-	√
RSS - REMOTE START & STOP	√	√
<b>BASIC CONFIGURATIONS AVAILABLE**:</b>		√

POWER PANEL PROTECTION WITH CIRCUIT BREAKER ASSEMBLED IN DEDICATED METALLIC CABINET



GENSET CIRCUIT BREAKER 3-POLE	S (GCB1)	S (GMB1 - motorized circuit breaker as generator protection/synchronization)
GENSET CIRCUIT BREAKER 4-POLE	S (GCB2)	S (GMB2 - motorized circuit breaker as generator protection/synchronization)
ETB - EXTERNAL TERMINAL BOARD	√ (with GCB)	√ (with GMB)

#### OPTIONALS \*\*

RCG - REMOTE CONTROLS	S	S
PHS - COOLANT PRE-HEATING SYSTEM	S	S
AFP - AUTOMATIC FUEL PUMP	S	S
LTS - LOAD TRANSFER SWITCH	0	-
ATS - AUTOMATIC TRANSFER SWITCH	0	0

√ = Standard    0 = Accessory available    S = Supplement (version available when ordered)    - = Not available    \*\* = Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

# OPTIONALS

## GSW SERIES 815-3360

### SUPPLEMENTS AND ACCESSORIES \*\*

#### LTS - LOAD TRANSFER SWITCH

To transfer the load from the mains to the generator and vice versa. The logic control of the power supply changeover is operated by the Automatic Mains Control (ATS) mounted on the generator



#### ATS - AUTOMATIC TRANSFER SWITCH

The ATS panel is complete with monitoring logic mains (inteliATS) and internal change-over switches. In the case of any mains supply disproportion it sends a remote start command to the generator and makes change over for both generator and mains contactors



#### IFT - INTEGRATED FUEL TANK

Integrated fuel tank installed and connected to the engine. Standard Capacity available:

IFT1 500 Liters

IFT2 1000 Liters



#### RCG - REMOTE CONTROL

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



\*\*= Other configurations and detailed specifications are available on [www.pramac.com](http://www.pramac.com)

#### AFP - AUTOMATIC FUEL PUMP

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



#### PHS - COOLANT PREHEATING SYSTEM

To maintain the engine at a temperature that ensures a quick start when required



#### EXHAUST SYSTEM

The open version can be equipped with Industrial or Residential silencer



# Customized solutions

Examples of worldwide references



## Power Plant Copiapò (Chile) KW 3.494

### CONTINUOUS & PRIME POWER SUPPLY

POWER LTP .....	546 KVA	FREQUENCY .....	50 HZ
POWER PRP .....	505 KVA	VOLTAGE .....	400 V

- Soundproof enclosure noise level 75 dB(A) @ 7 m
- Sand trap air filters on enclosure
- Parallel panel
- Oversized automatic fuel transfer pump



## Power Plant Addis Abeba (Ethiopia) KW 32.896

### CONTINUOUS & PRIME POWER SUPPLY

POWER LTP .....	2570 KVA	FREQUENCY.....	50 HZ
POWER PRP .....	2310 KVA	VOLTAGE .....	400 V

- Open version
- Special panel for synchro functions as base load power supply



## Commercial & Retail Mohammedia (Morocco) KW 2.160

### BACK UP STAND BY POWER SUPPLY

POWER LTP .....	2700 KVA	FREQUENCY.....	50 HZ
POWER PRP .....	2588 KVA	VOLTAGE .....	400 V

- Container 40' noise level 75 +/-3 dB(A) @ 7 m
- Electrical radiator in a separated room of the container
- Automatic fire extinguisher system with CO2 gas installed on the container
- Spark arrestor silencer
- Heavy duty air filters
- Synchronizing panel for black start



The Customized Solutions are a key business for PRAMAC, due to the high demand for power generators dedicated to specific applications and the increasing number of special projects exceeding the standard scope of supply. PRAMAC can realize special generators up to 3MWe with low,

medium and high voltage output, suitable for several applications. PRAMAC technical staff are available to design and offer turnkey projects with tailor-made soundproof enclosures, special control panels and studying specific technical alternatives to meet any customer requirement.



## Water treatment Houston/Texas (Usa) KW 2.453

### BACK UP STAND BY POWER SUPPLY

POWER LTP .....1022 KVA	FREQUENCY.....60 HZ
POWER PRP .....926 KVA	VOLTAGE .....480 V

- Canopy noise level 75 +/-3 dB(A) @ 7 m
- Baseframe suitable for bigger tank under genset
- Automatic panel with customized bus bar for big power cables connection



## Commercial & Retail Limoux (France) KW 1.006

### BACK UP STAND BY POWER SUPPLY

POWER LTP .....1257 KVA	FREQUENCY.....50 HZ
POWER PRP .....1138 KVA	VOLTAGE .....400 V

- Soundproof enclosure with fully integrated residential exhaust silencer in order to have a 70 +/-3 dB(A) noise level @ 7 m
- Parallel panel suitable for back synchronization with Mains to avoid second black out
- Genset equipment suitable for long running stand by application such as automatic fuel pump, leak proof tray and engine water preheating system



## Transport South Africa KW 4.038

### BACK UP STAND BY POWER SUPPLY

POWER LTP .....1260 KVA	FREQUENCY.....50 HZ
POWER PRP .....1140 KVA	VOLTAGE .....400 V

- Open version
- Parallel panel
- Double stage of exhaust silencers for residual noise level 56/57 dB(A) at 1 m

# Pramac worldwide

From Italy, worldwide. Our service through a global network to be closer to you.  
For further information: [www.pramac.com](http://www.pramac.com) - [www.pramacparts.com](http://www.pramacparts.com)



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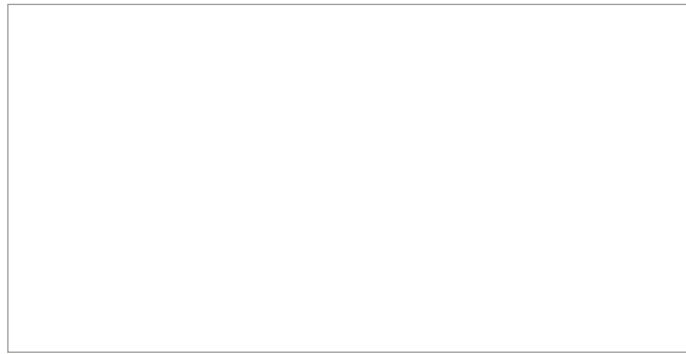
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