

PRO duty

> PRODUCTS RANGE | ENGLISH





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

PRAMAC is a young and dynamic company, that has projected its development and experience, gained by the merger between different production realities, incorporating all efforts in one single objective: to offer better solutions to our clients. Thanks to the combination between team work, the operational flexibility due to the worldwide commercial and manufacturing presence, and the close bond with sports and its values, PRAMAC introduces a new commercial structure, developed to achieve with best success each market concrete demands.

In the generating area, PRAMAC generators bring into the market more than 1.300.000 kVA per year, divided in a power range units from 1 to 2600 kVA, offering solutions for every kind of demand: energy where main supplies are not available and uninterrupted energy where it cannot fail, energy for those working and energy for entertaining.

In the handling area, PRAMAC develops, manufactures and sells a complete range of manual and electronic handling equipment, such as pallet trucks and stackers.



PRO

heavy duty

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

PRO heavy duty is the result of in depth market analysis, where we have identified and recognized specific needs that arise in heavy duty applications, such as construction sites, rental or agricultural locations. For these applications PRAMAC has given priority to endurance, reliability and safety.



CONFORMS
TO THE EUROPEAN
SAFETY RULES

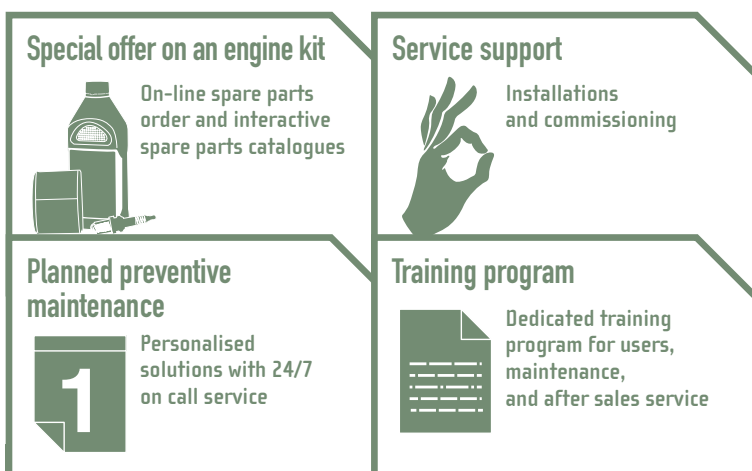
The strategic objective to exceed the expectations of the customer can only be reached if the products are of the highest possible quality. The PRAMAC Group has taken this on in its philosophy in production. The continual improvement in the company processes, formulated with absolute respect for the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



SERVICE AND PARTS

PRAMAC Service and Parts represents PRAMAC's commitment to Customer Care and Satisfaction. The creation of a highly specialised business unit, completely devoted to After Sales Customer Service, proves the PRAMAC intent to support its Customers at every stage of the professional relationship. On top of this, an incredible wide range of spare parts and components, with highly trained, professional staff, is what the PRAMAC Service and Parts division offers, answering requests from Customers all around the world. Attention to detail and consideration of users requirements is the core of an efficient after sales service. The focus and motto of the Service and Parts division is: *Our Customers are Our First Priority.*

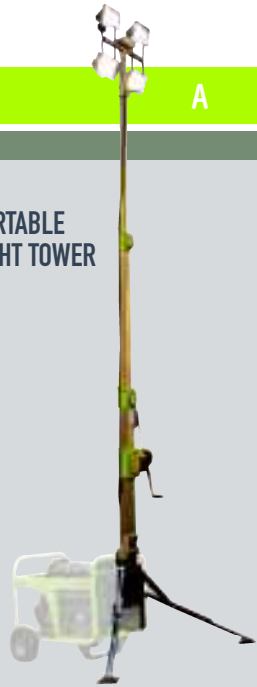
Our activity is the corner stone that makes our products valuable. For this reason we develop special actions for our dealer customers and end users, giving support through schedule maintenance programs, installation and commissioning services, training activities, and a constant, active support through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



A C C E S O R I E S

PORTABLE GENERATOR ACCESSORIES

PORTABLE LIGHT TOWER



PRAMAC Code	PY000A00081
5 Digit Code	05394
Lit up area	8000ft ²
Total Luminous Beam	38,000lm (4x9500lm)
Lamp Type	Halogen
Lamp Watt	2000 (500x4)
Voltage/ Frequency	240V/ 60Hz
Lamp Autonomy	2000 hours
Elevation Type	Hand winch
Maximum Height	14ft
Maximum Lamp Operation Temperature	194oF
Consumption	2kw
Protection Level	IP55
Weight	75lb

**Fits with 5 Class 5000 and 7500 only.

MOBILITY KIT



ENGINE MAINTENANCE KIT



COVER WITH CARRY BAG



WE ALSO OFFER

TRANSFER SWITCH
POWER CORD
POWER INLET BOX
BATTERY

WATER PUMP ACCESSORIES

PRESSURE WASHER ACCESSORIES

STATIONARY GENERATOR ACCESSORIES

TRAILER



WE ALSO OFFER

AUTOMATIC TRANSFER SWITCH
BASE TANK
GALVANIZED BASE
GSM KIT FOR REMOTE MONITORING
PRE-HEAT SYSTEM
FUEL TRANSFER PUMP

PRODUCT RANGE



PORTABLE GENERATOR

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PRESSURE WASHER

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WATER PUMP

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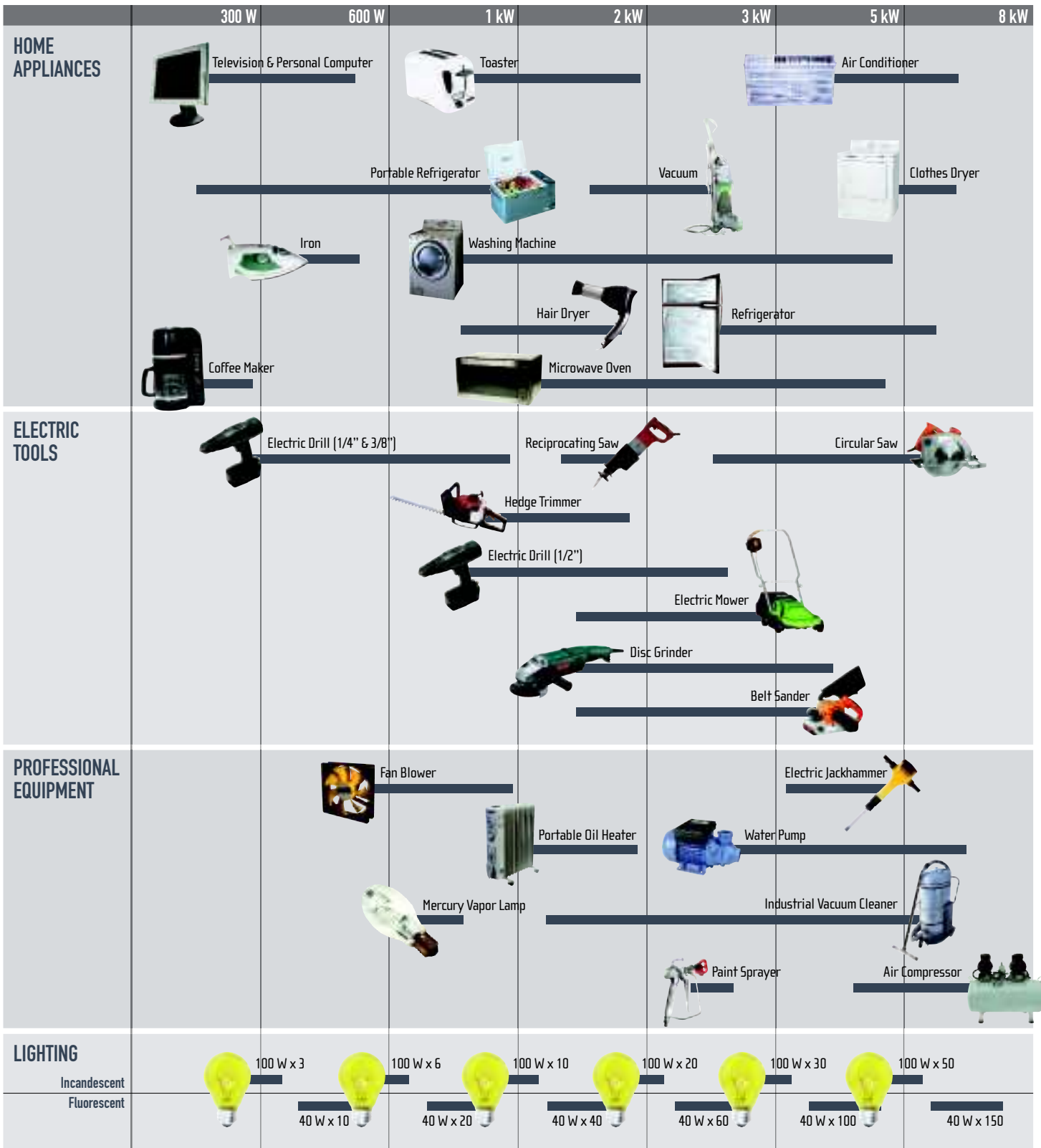
INDUSTRIAL GENERATOR

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RENTAL GENERATOR

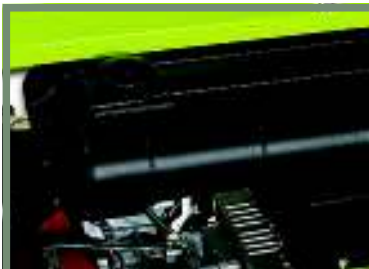
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POWER APPLIANCES CHART



HG/ ES SERIES ECONOMY

The HG Series is designed to be light weight, easy to use and low cost. The E5 Series is designed for heavy duty service on the job site or as temporary stand-by power.



Fuel Tank E5



Low Oil Protection



HG Series/ E53000 Panel



E55000 Panel

Model		HG2800 T-BAR	HG2800	E53000	E55000	E58000
PRAMAC Code		PB232MH1004	PB232MH1003	PE282MH1000	PE452MH1000	PE712MH1000
5 Digit Code		04586	04587	04301	04302	04303
SINGLE PHASE						
Power (LTP)	kW	2.80	2.80	3.18	5.00	7.20
Power (COP)	kW	2.40	2.40	2.70	4.10	6.10
POWER SPECIFICATIONS						
Voltage	Volt	120	120	120	120/ 240	120/ 240
Amps @120V	LTP (COP)	23.3 (21.0)	23.3 (21.0)	25.8 (21.6)	41.6 (35.4)	60.4 (50.8)
Amps @240V	LTP (COP)				20.8 (17.7)	30.2 (25.4)
Frequency	Hz	60	60	60	60	60
Power Factor	cos ϕ	1	1	1	1	1
ENGINE						
Model		Honda	Honda	Honda	Honda	Honda
Type		GC160	GC160	GX160	GX270	GX390
Fuel Type		Gasoline	Gasoline	Gasoline	Gasoline	Gasoline
Displacement	cc	160	160	163	270	389
Cycle		4	4	4	4	4
Power	kW (HP)	3.7 (5.0)	3.7 (5.0)	4.0 (5.5)	6.6 (9.0)	9.6 (13.0)
Aspiration		Natural	Natural	Natural	Natural	Natural
Cooling System		Air	Air	Air	Air	Air
Starting System		Recoil	Recoil	Recoil	Recoil	Recoil
CONSUMPTION						
Fuel Consumption at 75% of Load	gal/h (l/h)	0.23 (0.9)	0.23 (0.9)	0.26 (1.0)	0.45 (1.70)	0.66 (2.50)
Fuel Tank Capacity	gal(l)	0.45 (1.7)	0.45 (1.7)	2.9 (11)	2.9 (11)	2.9 (11)
Running Time at 75% of Load	h	1.9	1.9	10.5	6.4	4.4
NOISE EMISSION						
Noise Pressure Level @ 7 mt:	dB(A)	74	74	75	78	78
DIMENSIONS AND WEIGHT						
Length	in (mm)	21.8 (554)	25.0 (640)	24.5 (623)	28.7 (729)	28.7 (729)
Width	in (mm)	14.4 (366)	17.5 (445)	15.9 (405)	19.7 (500)	19.7 (500)
Height	in (mm)	16.6 (422)	16.0 (406)	19.7 (500)	21.1 (536)	21.1 (536)
Weight (Dry)**	lb (kg)	65 (30)	73 (33)	90 (41)	134 (61)	168 (76)
RECEPTACLES						
NEMA 5-20R, 125V		1	1	1	1	1
NEMA L14-30R, 125/250V TL					1	1
FEATURES						
Voltage Selector						
Low Oil Protection		X	X	X	X	X
Circuit Breakers		X	X	X	X	X
Idle-Control						
Voltmeter						
Hourmeter						
Fuel Level Meter						
Wheel Kit				0	0	0
Lifting Kit						
Quick Connect Fuel Tank						
CSA Certified		X	X			

COP: Continuous Power

LTP: Maximum Power

X = STANDARD

0 = OPTIONAL

S DLX SERIES PROFESSIONAL

The S Series is designed with the professional in mind. It has all the features needed and expected to meet the requirement of the most demanding applications.



Mobility Kit (optional)



8 Gal Tank



55000/57500 Panel



51000/512000 Panel

Model		S5000	S5000 Storm	S5000	S7500	S10000	S12000
PRAMAC Code		PD402MNI001	PD402MNI002	PD452MHI004	PD722MHB002	PD952MHB001	PD113MHB001
5 Digit Code		04885	04888	05012	05018	04606	04607

SINGLE PHASE

Power (LTP)	kW	5.00	5.00	5.00	7.20	9.50	12.00
Power (COP)	kW	4.10	4.10	4.10	6.10	8.80	10.00

POWER SPECIFICATIONS

Voltage	Volt	120/ 240	120/ 240	120/ 240	120/ 240	120/ 240	120/ 240
Amps @120V	LTP (COP)	41.6 (34.2)	41.6 (34.2)	41.6 (34.2)	60.4 (50.8)	79.2 (73.3)	100 (85)
Amps @240V	LTP (COP)	20.8 (17.1)	20.8 (17.1)	20.8 (17.1)	30.2 (25.4)	39.6 (36.7)	50 (42.5)
Frequency	Hz	60	60	60	60	60	60
Power Factor	cosφ	1	1	1	1	1	1

ENGINE

Model		Robin Subaru	Robin Subaru	Honda	Honda	Honda	Honda
Type		EX27	EX27	GX270	GX390	GX610	GX620
Fuel Type		Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline
Displacement	cc	265	265	270	389	614	614
Cycle		4	4	4	4	4	4
Power	kW (HP)	6.6 (9.0)	6.6 (9.0)	6.6 (9.0)	9.6 (13.0)	13.2 (18.0)	14.7 (20.0)
Aspiration		Natural	Natural	Natural	Natural	Natural	Natural
Cooling System		Air	Air	Air	Air	Air	Air
Starting System		Recoil	Recoil	Recoil	Recoil/ Electric	Electric	Electric

CONSUMPTION

Fuel Consumption at 75% of Load	gal/h (l/h)	0.51 (1.95)	0.51 (1.95)	0.45 (1.70)	0.66 (2.50)	0.89 (3.40)	1.00 (3.80)
Fuel Tank Capacity	gal(l)	8 (30)	8 (30)	8 (30)	8 (30)	8 (30)	8 (30)
Running Time at 75% of Load	h	15.4	15.4	17.5	12.1	8.8	7.9

NOISE EMISSION

Noise Pressure Level @ 7 mt:	dB(A)	78	78	78	79	81	80
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DIMENSIONS AND WEIGHT

Length	in (mm)	29.5 (749)	29.5 (749)	29.5 (749)	31.0 (787)	32.0 (813)	32.0 (813)
Width	in (mm)	22.2 (565)	22.2 (565)	22.2 (565)	22.2 (565)	23.0 (584)	23.0 (584)
Height	in (mm)	22.4 (569)	22.4 (569)	22.4 (569)	22.4 (569)	27.0 (686)	27.0 (686)
Weight (Dry)**	lb (kg)	157 (71)	157 (71)	157 (71)	200 (91)	265 (120)	275 (125)

RECEPTACLES

NEMA 5-20R, 125V	1	1	1	1	1	1	1
NEMA 5-20R, 125V GFCI	1	1	1	1	1	1	1
NEMA L14-20R, 125/250V TL	1	1	1				
NEMA L14-30R, 125/250V TL				1	1	1	1
NEMA L6-20R, 250V TL	1	1	1				
NEMA 14-50R, 125/250V					1	1	1
NEMA L6-30R, 250V TL				1			

FEATURES

Voltage Selector							
Low Oil Protection	X	X	X	X	X	X	X
Circuit Breakers	X	X	X	X	X	X	X
Idle-Control							
Voltmeter	X	X	X	X	X	X	X
Hourmeter	X	X	X	X	X	X	X
Fuel Level Meter							
Mobility Kit (Includes Lifting Eye)	0	X	0	0	0	0	0
Quick Connect Fuel Tank							
CSA Certified	X	X	X	X	X	X	X

COP: Continuous Power

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0 = OPTIONAL

S COM SERIES INDUSTRIAL/ CONTRACTOR

The S Series is designed with the professional in mind. It has all the features needed and expected to meet the requirement of the most demanding applications.



Wheel Kit (optional)



Mobility Kit (optional)



S3100 Panel



S5000/ S7500 Panel

Model		53100	55000	57500
PRAMAC Code		PD292MHI003	PD452MHI001	PD722MHB001
5 Digit Code		05008	05010	05016
SINGLE PHASE				
Power (LTP)	kW	3.10	5.00	7.20
Power (COP)	kW	2.60	4.10	6.10
POWER SPECIFICATIONS				
Voltage	Volt	120	120/240	120/240
Amps @120V	LTP (COP)	25.8 (21.6)	41.6 (35.4)	60.4 (50.8)
Amps @240V	LTP (COP)		20.8 (17.7)	30.2 (25.4)
Frequency	Hz	60	60	60
Power Factor	cos ϕ	1	1	1
ENGINE				
Model		Honda	Honda	Honda
Type		GX160	GX270	GX390
Fuel Type		Gasoline	Gasoline	Gasoline
Displacement	cc	163	270	389
Cycle		4	4	4
Power	kW (HP)	4.0 (5.5)	6.6 (9.0)	9.6 (13.0)
Aspiration		Natural	Natural	Natural
Cooling System		Air	Air	Air
Starting System		Recoil	Recoil	Recoil/ Electric
CONSUMPTION				
Fuel Consumption at 75% of Load	gal/h (l/h)	0.26 (1.00)	0.45 (1.70)	0.66 (2.50)
Fuel Tank Capacity	gal(l)	2.9 (11.0)	8 (30)	8 (30)
Running Time at 75% of Load	h	10.5	17.5	12.1
NOISE EMISSION				
Noise Pressure Level @ 7 mt:	dB(A)	75	78	79
DIMENSIONS AND WEIGHT				
Length	in (mm)	22.8 (579)	29.5 (749)	31.0 (787)
Width	in (mm)	16.5 (419)	22.2 (565)	22.2 (565)
Height	in (mm)	18.0 (457)	22.4 (569)	22.4 (569)
Weight (Dry)**	lb (kg)	88 (40)	157 (71)	200 (91)
RECEPTACLES				
NEMA 5-20R, 125V GFCI		1	2	2
NEMA L5-30R, 125V TL		1	1	1
NEMA L14-20R, 125/250V TL			1	
NEMA L14-30R, 125/250V TL				1
FEATURES				
Voltage Selector			X	X
Low Oil Protection		X	X	X
Circuit Breakers		X	X	X
Idle-Control			X	X
Voltmeter				
Hourmeter			X	X
Fuel Level Meter				
Wheel Kit		0		
Mobility Kit (Includes Lifting Eye)			0	0
Quick Connect Fuel Tank				
CSA Certified			X	X

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INVERTER SERIES SUPER QUIET

The right power to supply equipment sensitive to voltage surges.
The inverter technology allows the engine to work accordingly to
the load.



Pi1700 handle



Pi2800/ Pi4300 handle



Pi1700 Panel



Pi2800/ Pi4300 Panel

Model		Pi1700	Pi2800	Pi4300
PRAMAC Code		PF162MNI000	PF252MNI000	PFD42MNB000
5 Digit Code		04952	04954	04956
SINGLE PHASE				
Power (LTP)	kW	1.65	2.80	4.30
Power (COP)	kW	1.35	2.50	3.80
POWER SPECIFICATIONS				
Voltage	VAC	120	120	120
Amps @120V	LTP (COP)	13.8 (11.3)	23.3 (20.8)	35.6 (31.7)
Frequency	Hz	60	60	60
Power Factor	cos ϕ	1	1	1
Voltage	VDC	12	12	12
Amps @12VDC		8.3	8.3	8.3
ENGINE				
Model		Robin Subaru	Robin Subaru	Robin Subaru
Type		EH09-2	EX170	EX270
Fuel Type		Gasoline	Gasoline	Gasoline
Displacement	cc	86	169	265
Cylinder		1 vertical	1 inclined	1 inclined
Power	kW (HP)	2.1 (2.8)	4.0 (5.4)	6.3 (8.5)
Aspiration		Natural	Natural	Natural
Cooling System		Air	Air	Air
Starting System		Recoil	Recoil	Recoil
CONSUMPTION				
Fuel Consumption at 75% of Load	gal/h (l/h)	0.15 (0.58)	0.33 (1.26)	0.44 (1.66)
Fuel Tank Capacity	gal(l)	0.92 (3.5)	2.85 (10.8)	3.38 (12.8)
Running Time at 75% of Load	h	6.0	8.6	7.7
NOISE EMISSION				
Noise Pressure Level @ 7 mt:	dB(A)	59	58	62
DIMENSIONS AND WEIGHT				
Length	in (mm)	19.3 (490)	21.1 (537)	22.8 (580)
Width	in (mm)	11.6 (295)	19.0 (482)	20.7 (527)
Height	in (mm)	17.5 (445)	23.0 (583)	24.3 (618)
Weight (Dry)**	lb (kg)	46 (21)	119 (54)	163 (74)
RECEPTACLES				
NEMA 5-20R, 125V GFCI		1	1	1
NEMA L5-30R, 125V TL			1	1
FEATURES				
Voltage Selector				
Low Oil Protection		X	X	X
Circuit Breakers		X	X	X
Idle-Control		X	X	X
Voltmeter			X	X
Hourmeter			X	X
Fuel Level Meter			X	X
Wheel Kit			X	X
Lifting Kit				
Quick Connect Fuel Tank				
CSA Certified		0	0	0

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E/ S/ P SERIES DIESEL

The E and S Series are designed for heavy duty service on the job site or as a temporary stand-by power and offers maximum reliability and performance. The P Series is exceptionally quiet and designed for residential areas or worksites where low noise level is required or desired.



P6000 Easy to maintain



55500 Detachable Tank (optional)



55500 Panel



P6000 Panel

Model		E3750	S5500	P6000
PRAMAC Code		PA352MYH002	PD542MYA002	PF532MYA001
5 Digit Code		04601	04604	05024
SINGLE PHASE				
Power (LTP)	kW	4.00	5.50	5.87
Power (COP)	kW	3.60	4.90	4.81
POWER SPECIFICATIONS				
Voltage	Volt	120/ 240	120/ 240	120/ 240
Amps @120V	LTP (COP)	33.3 (30)	45.8 (41.3)	48.9 (40.1)
Amps @240V	LTP (COP)	16.6 (15)	22.9 (20.6)	24.5 (20)
Frequency	Hz	60	60	60
Power Factor	cos ϕ	1	1	1
ENGINE				
Model		Yanmar	Yanmar	Yanmar
Type		L70	L100	L100
Fuel Type		Diesel	Diesel	Diesel
Displacement	cc	296	406	406
Cycle		4	4	4
Power	kW (HP)	4.9 (6.7)	7.4 (10.0)	7.4 (10.0)
Aspiration		Natural	Natural	Natural
Cooling System		Air	Air	Air
Starting System		Recoil	Recoil/ Electric	Recoil/ Electric
CONSUMPTION				
Fuel Consumption at 75% of Load	gal/h (l/h)	0.29 (1.1)	0.42 (1.6)	0.37 (1.41)
Fuel Tank Capacity	gal(l)	0.92 (3.5)	7.9 (30)	5.5 (21)
Running Time at 75% of Load	h	3.3	18.7	14.9
NOISE EMISSION				
Noise Pressure Level @ 7 mt:	dB(A)	76	81	65
DIMENSIONS AND WEIGHT				
Length	in (mm)	28.0 (711)	32.0 (813)	38.2 (970)
Width	in (mm)	21.5 (546)	22.2 (565)	22.8 (580)
Height	in (mm)	20.0 (508)	23.0 (584)	35 (890)
Weight (Dry)**	lb (kg)	117 (53)	220 (53)	437 (198)
RECEPTACLES				
NEMA 5-20R, 125V		1	1	
NEMA 5-20R, 125V GFCI			1	2
NEMA L14-20R, 125/250V TL			1	
NEMA L14-30R, 125/250V TL		1		1
NEMA L6-20R, 250V TL			1	
FEATURES				
Voltage Selector				
Low Oil Protection			X	X
Circuit Breakers		X	X	X
Idle-Control				
Voltmeter			X	X
Hourmeter			X	
Fuel Level Meter				X
Wheel Kit		0		0
Lifting Kit				X
Mobility Kit (Includes Lifting Eye)			0	
Quick Connect Fuel Tank			0	
CSA Certified		X	X	

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PW SERIES DIRECT DRIVE

The PW Series is easy to transport and ready to use thanks to the integrated wheel kit. It is the ideal machine for both residential and professional uses.



Model	PW100	PW200	PW240
PRAMAC Code	NB1000H1000	NB2000H1000	NB2400H1000
5 Digit Code	05019	05020	05021

PRESSURE WASHER				
Pressure	psi	2000	3000	3500
Flow	gpm	3	3	4
Cleaning Units		6000	9000	14000

ENGINE				
Model		Honda	Honda	Honda
Type		GX160	GX270	GX390
Fuel Type		Gasoline	Gasoline	Gasoline
Displacement	cc	163	270	389
Cycle		4	4	4
Power	kw (HP)	4.0 (5.5)	6.6 (9.0)	9.6 (13.0)
Aspiration		Natural	Natural	Natural
Cooling System		Air	Air	Air
Starting System		Recoil	Recoil	Recoil

CONSUMPTION				
Consumption at 75% of load	gal/h (l/h)	0.27 (1.0)	0.5 (1.9)	0.64 (2.4)
Tank Capacity	gal(l)	0.98 (3.7)	1.59 (6.0)	1.72 (6.5)
Running Time at 75% of Load	h	3.6	3.2	2.7

NOISE EMISSION				
Noise Pressure Level @ 7 mt:	dB(A)	81	85	78

DIMENSION AND WEIGHT				
Length	in (mm)	30 (762)	41 (1041)	41 (1041)
Width	in (mm)	22 (559)	22.5 (572)	22.5 (572)
Height	in (mm)	19 (483)	26 (660)	26 (660)
Weight (Dry)	lb (kg)	132 (60)	152 (69)	160 (73)

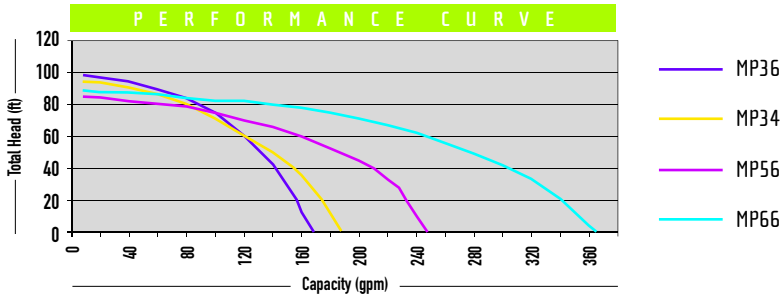
STANDARD EQUIPMENT, OPTIONS AND ACCESSORIES				
Chemical Injection		X	X	X
Direct Drive		X	X	X
50' Hose		X	X	X
Easy-Start Valve		0	0	0
Flow Gauge		0	0	0
Inline Filter		X	X	X
Gun/Lance		X	X	X
Low Oil Protection		X	X	X
Pressure Gauge		0	0	0
Safety Relief		0	0	0
5 Pack Pressure Tips		X	X	X
Transportation Kit		X	X	X
Thermal Relief		X	X	X

X = STANDARD

0 = OPTIONAL

MP SERIES CENTRIFUGAL AND TRASH

The MP Series is designed for heavy duty service on job sites or industrial applications to pump large amounts of water quickly and efficiently.



Model	MP36-2	MP56-3	MP34-2	MP66-3
PRAMAC Code	FA360EH1003	FA560HH1003	FA340DH1002	FA660GH1002
5 Digit Code	03654	03655	03667	03668

PUMP					
Type		centrifugal	centrifugal	trash pump	trash pump
Total Head	ft (m)	98 (30)	85 (26)	98 (30)	89 (27)
Suction Head	ft (m)	26 (8)	26 (8)	26 (8)	26 (8)
Flow	gal/min (l/min)	159 (600)	246 (930)	185 (700)	354 (1340)
Suction/ Discharge Diameter	in	2	3	2	3
Maximum Pressure	psi	42.4	36.8	42.6	38.4
Maximum Solid Size	in (mm)	0.00	0.00	1.00 (25)	1.50 (38)
Volute		Cast Iron		Spheroidal Graphite Cast Iron	
Impeller		Cast Iron		Hi-chrome Cast Iron	
Mechanical Seal		Ceramic-Carbon		Silicon Carbide	

ENGINE					
Model		Honda	Honda	Honda	Honda
Type		GX120	GX160	GX160	GX240
Fuel Type		Gasoline	Gasoline	Gasoline	Gasoline
Displacement	cc	118	163	163	242
Cycle		4	4	4	4
Power	kW (HP)	2.9 (4.0)	4.0 (5.5)	4.0 (5.5)	5.9 (8.0)
Aspiration		Natural	Natural	Natural	Natural
Cooling System		Air	Air	Air	Air
Starting System		Recoil	Recoil	Recoil	Recoil

CONSUMPTION					
Consumption at 75% of Load	gal/ h (l/h)	0.26 (1.0)	0.39 (1.48)	0.27 (1.0)	0.40 (1.51)
Tank Capacity	gal (l)	0.66 (2.5)	0.98 (3.7)	0.95 (3.6)	1.56 (5.9)
Running Time at 75% of Load	h	2.5	2.5	3.5	3.9

NOISE EMISSION					
Noise Pressure level @ 7 mt:	dB(A)	78	80	78	83


DIMENSIONS AND WEIGHT					
Length	in (mm)	18.5 (470)	20 (508)	24 (610)	27 (686)
Width	in (mm)	14.5 (368)	15 (381)	18 (457)	19 (483)
Height	in (mm)	15.3 (387)	18 (457)	19 (483)	22 (559)
Weight (Dry)	lb (kg)	53 (24)	75 (34)	106 (48)	130 (59)

FEATURES					
Skimmer		0	0	0	0
Filter		0	0	0	0
Hose Clamps		0	0	0	0
Hose Couplings		0	0	0	0
Suction Hoses		0	0	0	0
Low Oil Protection		X	X	X	X
Discharge Hoses		0	0	0	0
Starter Kit (Hoses and Couplings)		0	0	0	0

GSW SERIES COMPACT ENERGY

The GSW Series provides the most professional way to fulfill power requirements with highest reliability and excellent performance.



AUTOMATIC CONTROL PANEL (ACP)		GSW15Y	GSW25Y	GSW35Y	GSW50Y
AUTOMATIC CONTROL PANEL (ACP)  Automatic control panel mounted on the genset, complete with digital control unit ACO1 for monitoring, control and protection of the generating set.	Instrumentation (digital)	<ul style="list-style-type: none"> • Generator set voltage (3 phases) • Mains voltage. • Generator set frequency. • Generator set current (3 phases). • Battery voltage. • Power (kVA - kW - kVAr). • Power factor. • Hour counter. • Engine rpm. • Fuel level (%). • Engine temperature. 			
	Commands and others	<ul style="list-style-type: none"> • Six settings: Automatic test, Automatic starting, Engine locked, Mains contactor forced, Manual start, Genset contactor forced. • Emergency stop button. • Remote start capable. • Acoustic alarm. • Integrated battery charger. 			
	Protections with alarm	<ul style="list-style-type: none"> • Engine protection: low fuel level, low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, under/over frequency, start failure, under/over battery voltage, battery charge failure. 			
	Protections with shutdown	<ul style="list-style-type: none"> • Engine protection: low fuel level, low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, under/over battery voltage, battery charge failure. • Circuit breaker and differential protection (optional). 			
	Output	<ul style="list-style-type: none"> • Power cables connected to terminals board (external). 			
	Output connections	<ul style="list-style-type: none"> • Main Lugs 			

Model		65W15Y	65W25Y	65W35Y	65W50Y
480V (3 phases)					
PRIME POWER PRP	kW (kVA)	14 (17)	18 (23)	31 (39)	42 (52)
EMER POWER LTP	kW (kVA)	15 (19)	20 (25)	32 (40)	42 (53)
Voltage	Volt	480/277	480/277	480/277	480/277
Frequency	Hz	60	60	60	60
Power Factor	cos ϕ	0.8	0.8	0.8	0.8
208V (3 phases)					
PRIME POWER PRP	kW (kVA)	14 (17)	18 (23)	29 (36)	39 (49)
EMER POWER LTP	kW (kVA)	15 (19)	20 (25)	30 (37)	40 (51)
Voltage	Volt	208/120	208/120	208/120	208/120
Frequency	Hz	60	60	60	60
Power Factor	cos ϕ	0.8	0.8	0.8	0.8
240V (1 phase)					
PRIME POWER PRP	kW (kVA)	13 (13)	18 (18)	20 (20)	27 (27)
EMER POWER LTP	kW (kVA)	15 (15)	20 (20)	22 (22)	30 (30)
Voltage	Volt	240/120	240/120	240/120	240/120
Frequency	Hz	60	60	60	60
Power Factor	cos ϕ	1	1	1	1
ENGINE					
Model		Yanmar	Yanmar	Yanmar	Yanmar
Type		3TNV88	4TNV88	4TNV98	4TNV98T
Fuel Type		Diesel	Diesel	Diesel	Diesel
Exhaust Emissions	Tier	EPA IV	EPA IV	EPA IV	EPA IV
Cooling System	Type	Water	Water	Water	Water
Speed	rpm	1800	1800	1800	1800
Displacement	cu. in.	100.2	133.6	202.5	202.5
Cylinders and Disposition	n° disp.	3 line	4 line	4 line	4 line
Aspiration	Type	Natural	Natural	Natural	Turbo
Engine Power PRP	bhp	22	29	55	67
Engine Power LTP	bhp	24	32	60	74
Fuel Cons. (III) (75% load PRP)	gal/h (l/h)	0.9 (3.4)	1.2 (4.5)	2.2 (8.3)	2.8 (10.6)
Fuel Cons. (III) (100% load PRP)	gal/h (l/h)	1.2 (4.5)	1.7 (6.4)	2.9 (11.0)	3.8 (14.4)
Specific Consumption PRP	lb/hph	0.397	0.397	0.363	0.386
Engine Governor (Standard)	Type	Mechanical	Mechanical	Mechanical	Mechanical
ALTERNATOR					
Model		STAMFORD	STAMFORD	STAMFORD	STAMFORD
Type		BC1184E	BC1184F	BC1184H	BC1184J
Power at 27°C (480V)	kWE (kVA)	24 (30)	30 (38)	39 (49)	42 (52)
Power at 27°C (208V)	kWE (kVA)	22 (28)	27 (34)	37 (46)	39 (49)
Power at 27°C (240V)	kWE (kVA)	13 (16)	15 (19)	21 (26)	22 (27)
Insulation	Class	H	H	H	H
Mechanical Protection	Type	IP23	IP23	IP23	IP23
Voltage Regulation	Type / Model	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%
CONSUMPTION					
Tank Capacity	gal(l)	21.0 (79.5)	21.0 (79.5)	21.0 (79.5)	21.0 (79.5)
Autonomy (III) (75% PRP)	h	22.0	16.5	9.6	7.3
Autonomy (III) (100% PRP)	h	16.5	12.4	7.2	5.5
DIMENSIONS					
Length	in (mm)	70.9 (1801)	70.9 (1801)	78.7 (1999)	78.7 (1999)
Width	in (mm)	32.7 (831)	32.7 (831)	36.2 (920)	36.2 (920)
Height	in (mm)	51.2 (1301)	51.2 (1301)	51.2 (1301)	57.3 (1455)
Weight (Dry)	lb (kg)	1544 (700)	1786 (810)	2099 (952)	2258 (1024)

GENSET SUPPLEMENTS (some available from factory only)

APM: PMG FOR STAMFORD ALTERNATOR + MX321 AVR.

AFP: AUTOMATIC FUEL TRANSFER PUMP.

DCC: DIFFERENT COLOR CANOPY.

EEG: ENGINE ELECTRONIC GOVERNOR.

PHS: ENGINE PREHEAT SYSTEM.

RCG: REMOTE CONTROL BY GSM.

GSB: GALVANIZED SKIDS FRAME. Heavy duty galvanized skid to be installed under the genset. Easily transportable with fork lift.

SUB: Extended capacity sub-base fuel tank.

TRL: Road Trailer. Trailer with or without extended run tank.


ATS: AUTOMATIC TRANSFER SWITCH.



GSW SERIES COMPACT ENERGY

The GSW Series provides the most professional way to fulfill power requirements with highest reliability and excellent performance.



AUTOMATIC CONTROL PANEL (ACP)		GSW70P	GSW90P	GSW120P	GSW160P	GSW200P
AUTOMATIC CONTROL PANEL (ACP)  Automatic control panel mounted on the genset, complete with digital control unit AC01 for monitoring, control and protection of the generating set.	Instrumentation (digital)	<ul style="list-style-type: none"> • Generator set voltage (3 phases) • Mains voltage. • Generator set frequency. • Generator set current (3 phases). • Battery voltage. • Power (kVA - kW - kVAr). • Power factor. • Hour counter. • Engine rpm. • Fuel level (%). • Engine temperature. 				
	Commands and others	<ul style="list-style-type: none"> • Six settings: Automatic test, Automatic starting, Engine locked, Mains contactor forced, Manual start, Genset contactor forced. • Emergency stop button. • Remote start capable. • Acoustic alarm. • Integrated battery charger. 				
	Protections with alarm	<ul style="list-style-type: none"> • Engine protection: low fuel level, low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, under/over frequency, start failure, under/over battery voltage, battery charge failure. 				
	Protections with shutdown	<ul style="list-style-type: none"> • Engine protection: low fuel level, low oil pressure, high engine temperature. • Genset protection: under/over voltage, overload, under/over battery voltage, battery charge failure. • Circuit breaker and differential protection (optional). 				
	Output	<ul style="list-style-type: none"> • Power cables connected to terminals board (external). 				
	Output receptacles	<ul style="list-style-type: none"> • Main Lugs 				

Model		G5W70P	G5W90P	G5W120P	G5W160P	G5W200P
480V (3 phases)						
PRIME POWER PRP	kW (kVA)	58 [73]	74 [93]	91 [114]	125 [156]	161 [201]
EMER POWER LTP	kW (kVA)	64 [80]	82 [103]	100 [125]	142 [177]	178 [223]
Voltage	Volt	480/277	480/277	480/277	480/277	480/277
Frequency	Hz	60	60	60	60	60
Power Factor	cos ϕ	0.8	0.8	0.8	0.8	0.8
208V (3 phases)						
PRIME POWER PRP	kW (kVA)	56 [70]	74 [92]	90 [113]	124 [155]	160 [200]
EMER POWER LTP	kW (kVA)	58 [73]	82 [102]	96 [120]	140 [175]	175 [219]
Voltage	Volt	208/120	208/120	208/120	208/120	208/120
Frequency	Hz	60	60	60	60	60
Power Factor	cos ϕ	0.8	0.8	0.8	0.8	0.8
240V (1 phase)						
PRIME POWER PRP	kW (kVA)	45 [45]	68 [68]	68 [68]	96 [96]	123 [123]
EMER POWER LTP	kW (kVA)	50 [50]	74 [74]	74 [74]	106 [106]	136 [136]
Voltage	Volt	240/120	240/120	240/120	240/120	240/120
Frequency	Hz	60	60	60	60	60
Power Factor	cos ϕ	1	1	1	1	1
ENGINE						
Model		Perkins	Perkins	Perkins	Perkins	Perkins
Type		1104D-E44TG	1104D-E44TAG1	1104D-E44TAG2	1106D-E66TAG2	1106D-E66TAG4
Fuel Type		Diesel	Diesel	Diesel	Diesel	Diesel
Exhaust Emissions	Tier	EPA III	EPA III	EPA III	EPA III	EPA III
Cooling System	Type	Water	Water	Water	Water	Water
Speed	rpm	1800	1800	1800	1800	1800
Displacement	cu. in.	269.1	269.1	269.1	402.7	402.7
Cylinders and Disposition	n° disp.	4 line	4 line	4 line	6 line	6 line
Aspiration	Type	Turbo	Turbo-Intercooler	Turbo-Intercooler	Turbo-Intercooler	Turbo-Intercooler
Engine Power PRP	bhp	87	110	134	182	233
Engine Power LTP	bhp	97	122	149	207	259
Fuel Cons. (III) (75% load PRP)	gal/h (l/h)	3.6 [13.6]	4.3 [16.3]	5.1 [19.3]	7.5 [28.4]	9.5 [36.0]
Fuel Cons. (III) (100% load PRP)	gal/h (l/h)	4.8 [18.2]	5.8 [22.0]	6.8 [25.7]	10.0 [37.9]	12.7 [48.1]
Specific Consumption PRP	lb/hph	0.383	0.363	0.350	0.377	0.376
Engine Governor (Standard)	Type	Mechanical	Electronic	Electronic	Electronic	Electronic
ALTERNATOR						
Model		Stamford	Stamford	Stamford	Stamford	Stamford
Type		UCI 224 E	UCI 274 C	UCI 274 C	UCI 274 E	UCI 274 G
Power at 27°C (480V)	kWE (kVA)	79 [99]	106 [133]	124 [155]	150 [188]	220 [275]
Power at 27°C (208V)	kWE (kVA)	71 [89]	93 [116]	110 [138]	136 [170]	200 [250]
Power at 27°C (240V)	kWE (kVA)	45 [56]	54 [68]	63 [79]	77 [96]	114 [143]
Insulation	Class	H	H	H	H	H
Mechanical Protection	Type	IP23	IP23	IP23	IP23	IP23
Voltage Regulation	Type / Model	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%
CONSUMPTION						
Tank Capacity	gal(l)	92 [348]	92 [348]	92 [348]	92 [348]	92 [348]
Autonomy (III) (75% PRP)	h	25.5	21.3	18.1	12.4	9.7
Autonomy (III) (100% PRP)	h	19.1	16.0	13.6	9.3	7.3
DIMENSIONS						
Length	in (mm)	106.7 [2710]	106.7 [2710]	106.7 [2710]	133.9 [3401]	133.9 [3401]
Width	in (mm)	46.5 [1181]	46.5 [1181]	46.5 [1181]	49.2 [1250]	49.2 [1250]
Height	in (mm)	60.4 [1534]	60.4 [1534]	66.3 [1684]	66.1 [1679]	66.1 [1679]
Weight (Dry)	lb (kg)	3019 [1369]	3281 [1488]	3285 [1490]	4573 [2074]	

GENSET SUPPLEMENTS (some available from factory only)

APM: PMG FOR STAMFORD ALTERNATOR + MX321 AVR.

AFP: AUTOMATIC FUEL TRANSFER PUMP.

DCC: DIFFERENT COLOR CANOPY.

EEG: ENGINE ELECTRONIC GOVERNOR.

PHS: ENGINE PREHEAT SYSTEM.

RCG: REMOTE CONTROL BY GSM.

GSB: GALVANIZED SKIDS FRAME. Heavy duty galvanized skid to be installed under the genset. Easily transportable with fork lift.

SUB: Extended capacity sub-base fuel tank.

TRL: Road Trailer. Trailer with or without extended run tank.

ATS: AUTOMATIC TRANSFER SWITCH.




GSW SERIES

SILENT POWER FOR PUBLIC AND INDUSTRIAL USES

Low noise emission, conformity to exhaust emission laws and high security make these machines ideal for any public or industrial application.



MANUAL / AUTOMATIC CONTROL PANEL (ACP)		GSW275C	GSW330C	GSW560V	GSW590V
 <p>Manual / Automatic control panel mounted on the genset, protected by a locking door, complete with digital control unit AC01 for monitoring, control and protection of the generating set.</p>	Digital Instrumentation through AC3000 control unit (CAN BUS)	<ul style="list-style-type: none"> Generator set voltage (3 phases) Generator set current (3 phases). Power factor $\cos\phi$. Fuel level (%). 	<ul style="list-style-type: none"> Mains voltage. Battery voltage. Hours-counter. Oil Pressure. 	<ul style="list-style-type: none"> Generator set frequency. Power (kVA - kW - kVAR). Engine speed r.p.m. Engine temperature. 	
	Commands and others	<ul style="list-style-type: none"> Selector switch with six settings: Automatic test, Automatic starting, Engine locked, Mains contactor forced, Manual start, Genset contactor forced. Push-buttons: start/stop, up/down selection, reset. 	<ul style="list-style-type: none"> Emergency stop button. DC system disconnection key. Acoustic alarm. Automatic battery charger. 		
	Protections with alarm	<ul style="list-style-type: none"> Engine protection: low fuel level, low oil pressure, high engine temperature. Genset protection: under/over voltage, overload, under/over frequency, start failure, under/over battery voltage, battery charge failure. Circuit breaker protection: III poles (only when requested). 			
	Protections with shutdown	<ul style="list-style-type: none"> Engine protections: low fuel level, low oil pressure, high engine temperature. Genset protections: under/over voltage, overload, under/over battery voltage, battery charge failure. 			
	Output	<ul style="list-style-type: none"> Plinth row for connection from pre-wired panel (mounted on the genset) to AMF panel. Power cables connected to terminals board (external). 			

Model		GSW275C	GSW330C	GSW560V	GSW590V
480V (3 phases)					
PRIME POWER PRP	kW (kVA)	197 (246)	TBD	461 (576)	505 (632)
EMER POWER LTP	kW (kVA)	223 (279)	TBD	519 (648)	556 (695)
Voltage	Volt	480/277	480/277	480/277	480/277
Frequency	Hz	60	60	60	60
Power Factor	cos ϕ	0.8	0.8	0.8	0.8
ENGINE					
Model		Cummins	Cummins	Volvo	Volvo
Type		QSL9-G2	QSL9-G4	TAD 1641 GE	TAD 1642 GE
Fuel Type		Diesel	Diesel	Diesel	Diesel
Exhaust Emissions	Tier	EPA III	EPA III	EPA II	EPA II
Cooling System	Type	Water	Water	Water	Water
Speed	rpm	1800	1800	1800	1800
Displacement	cu. in.	536.976	TBD	983.6	983.6
Cylinders and Disposition	n° disp.	6 line	4 line	6 in line	6 in line
Aspiration	Type	Turbo - Intercooler	Turbo - Intercooler	Turbo Intercooler	Turbo Intercooler
Engine Power PRP	bhp	209	TBD	485	532
Engine Power LTP	bhp	318	TBD	732	784
Fuel Cons. (III) (75% load PRP)	gal/h (l/h)	11.5 (43.7)	TBD	22.9 (86.6)	26.2 (99.3)
Fuel Cons. (III) (100% load PRP)	gal/h (l/h)	15.4 (58.2)	TBD	30.5 (115.5)	35.0 (132.4)
Specific Consumption PRP	lb/hph	0.37908	TBD	0.324	0.339
Engine Governor (standard)	Type	Electronic	Electronic	Electronic	Electronic
ALTERNATOR					
Model		MeccAlte	MeccAlte	MECCALTE	MECCALTE
Type		ECO 38 35	ECO 38 2L	ECO 40 35	ECO 40 1L
Power at 27°C (208V)	kW(kVA)	228 (285)	302 (378)	504 (630)	555.2 (694)
Insulation	Class	H	H	Class H	Class H
Mechanical Protection	Type	IP21	IP21	IP 21	IP 21
Voltage Regulation	Type / Model	Electronic / 1%	Electronic / 1%	Electronic / 1.0%	Electronic / 1.0%
CONSUMPTION					
Tank Capacity	gal(l)	122	122	168 (636)	168 (636)
Autonomy (III) (75% PRP)	h	10.5	TBD	6.7	5.8
Autonomy (III) (100% PRP)	h	7.9	TBD	8.9	7.7
DIMENSIONS - SOUNDPROOF VERSION					
Length	in (mm)	139.8 (3551)	139.8 (3551)	173 (4400)	173 (4400)
Width	in (mm)	53.5 (1359)	53.5 (1359)	61 (1560)	61 (1560)
Height	in (mm)	79.4 (2017)	79.4 (2017)	89 (2250)	89 (2250)
Weight (Dry)	lb (kg)	6009 (2726)	7056 (3201)	12635 (5730)	12811 (5810)

GENSET SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

GPA: ALTERNATOR IP23 PROTECTION.

AFP: AUTOMATIC FUEL TRANSFER PUMP.

DCC: DIFFERENT CANOPY COLOUR.

FBD: FULLY BUNDED BASE FRAME.

PHS: COOLANT PREHEATING SYSTEM.

KRT: RENTAL KIT. Only for GSW275C, complete with: battery switch, fuel filter water separator, three way valve, and earth rod.

CONTROL PANEL SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

TIF: IV POLES CIRCUIT BREAKER INSTEAD OF III POLES.

SKB: SOCKETS KIT B WITH 5 SOCKETS. Please, check configuration with factory. Availability depending on rated voltage.

AST: AUTO START predisposition. R55 and BCH devices are installed in the cubicle to be connected to an ATS panel



ACCESSORIES

RCG: REMOTE CONTROL BY GSM KIT

(kit for genset management and control by remote PC communication available by means of RS232 directly to PC or through GSM modem). Available only on the automatic versions.

GSB: GALVANIZED SKIDS FRAME


Heavy duty galvanized skid to be installed under the genset



GRW SERIES RENTAL ENERGY

The GRW Series is designed for the most demanding power in general applications, ideal for rental operators. It features a modern design, low noise level and versatile accessories.



MANUAL CONTROL PANEL (MCP)		GRW15Y	GRW25Y	GRW35Y	GRW50Y
MANUAL CONTROL PANEL (MCP)  Manual control panel mounted on the genset, with analogue instrumentation, and protected through door with lockable handle.	Instrumentation (analogue)	<ul style="list-style-type: none"> • Voltmeter. • Ammeter. • Frequency meter. • Hours-counter. • Fuel level indicator. • Oil pressure indicator. • Engine temperature indicator. 			
	Commands and others	<ul style="list-style-type: none"> • Start/stop selector switch with key. • Emergency stop button. • Potentiometer for adjusting the output voltage. • Six wire multipin connector for external remote start/stop signal and battery charger feeding. 			
	Protections with alarm	<ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature, battery charger failure. 			
	Protections with shutdown	<ul style="list-style-type: none"> • Engine protection unit [MC -01]: low fuel level, low pressure oil, high engine temperature, battery charge failure. • Circuit breaker protection. 			
	Output	<ul style="list-style-type: none"> • Power cables connected to terminals board (external). 			
	Output receptacles	2 x 120V 20A 2P+T NEMA (duplex with GFCI). 1 x 240/120V 50A 2P+T NEMA (twistlock). Main Lugs			

Model		GRW15Y	GRW25Y	GRW35Y	GRW50Y
480V (3 phases)					
PRIME POWER PRP	kW (kVA)		18 (23)	31 (39)	42 (52)
EMER POWER LTP	kW (kVA)		20 (25)	32 (40)	42 (53)
Voltage	Volt		480/277	480/277	480/277
Frequency	Hz		60	60	60
Power factor	cos ϕ		0.8	0.8	0.8
208V (3 phases)					
PRIME POWER PRP	kW (kVA)		18 (23)	29 (36)	39 (49)
EMER POWER LTP	kW (kVA)		20 (25)	30 (37)	40 (51)
Voltage	Volt		208/120	208/120	208/120
Frequency	Hz		60	60	60
Power Factor	cos ϕ		0.8	0.8	0.8
240V (1 phase)					
PRIME POWER PRP	kW (kVA)	12 (12)	18 (18)	20 (20)	27 (27)
EMER POWER LTP	kW (kVA)	14 (14)	20 (20)	22 (22)	30 (30)
Voltage	Volt	240/120	240/120	240/120	240/120
Frequency	Hz	60	60	60	60
Power Factor	cos ϕ	1	1	1	1
ENGINE					
Model		Yanmar	Yanmar	Yanmar	Yanmar
Type		3TNV88	4TNV88	4TNV98	4TNV98T
Fuel Type		Diesel	Diesel	Diesel	Diesel
Exhaust Emissions	Tier	EPA IV	EPA IV	EPA IV	EPA IV
Cooling System	Type	Water	Water	Water	Water
Speed	rpm	1800	1800	1800	1800
Displacement	cu. in.	100.2	133.6	202.5	202.5
Cylinders and Disposition	n° disp.	3 line	4 line	4 line	4 line
Aspiration	Type	Natural	Natural	Natural	Turbo
Engine Power PRP	bhp	22	29	55	67
Engine Power LTP	bhp	24	32	60	74
Fuel Cons. (III) (75% load PRP)	gal/h (l/h)	0.9 (3.4)	1.2 (4.5)	2.2 (8.3)	2.8 (10.6)
Fuel Cons. (III) (100% load PRP)	gal/h (l/h)	1.2 (4.5)	1.7 (6.4)	2.9 (11.0)	3.8 (14.4)
Specific Consumption PRP	lb/hph	0.397	0.397	0.363	0.386
Engine Governor (standard)	Type	Mechanical	Mechanical	Mechanical	Mechanical
ALTERNATOR					
Model		STAMFORD	STAMFORD	STAMFORD	STAMFORD
Type		BC164C	BC1184F	BC1184H	BC1184
Power at 27°C (480V)	kWE(kVA)		30 (38)	39 (49)	42 (52)
Power at 27°C (208V)	kWE(kVA)		27 (34)	37 (46)	39 (49)
Power at 27°C (240V)	kWE(kVA)	14 (14)	15 (19)	21 (26)	22 (27)
Insulation	Class	H	H	H	H
Mechanical Protection	Type	IP23	IP23	IP23	IP23
Voltage Regulation	Type / Model	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%
CONSUMPTION					
Tank Capacity	gal(l)	21.0 (79.5)	21.0 (79.5)	21.0 (79.5)	21.0 (79.5)
Autonomy (III) (75% PRP)	h	22.0	16.5	9.6	7.3
Autonomy (III) (100% PRP)	h	16.5	12.4	7.2	5.5
DIMENSIONS					
Length	in (mm)	70.9 (1801)	70.9 (1801)	78.7 (1999)	78.7 (1999)
Width	in (mm)	32.7 (831)	32.7 (831)	36.2 (920)	36.2 (920)
Height	in (mm)	51.2 (1301)	51.2 (1301)	51.2 (1301)	57.3 (1455)

GENSET FEATURES

VSS: VOLTAGE SELECTOR SWITCH. Rotary switch to reconnect the alternator for different output voltages from three phase to single phase - star (III) / parallel star (III) / zig-zag (II).

KRT: RENTAL KIT. Includes: battery switch, fuel filter water separator, three way valve, and earth rod.

G5B: GALVANIZED SKIDS FRAME (optional). Heavy duty galvanized skid to be installed under the genset. Easily transportable with fork lift.

GENSET SUPPLEMENTS

EFT: EXTENDED CAPACITY FUEL TANK. Capable to increase genset autonomy from 16-20 hours from GRW35-GRW50 (45 US Gal).


TRL: ROAD TRAILER. Trailer with or without extended run tank.



GRW SERIES RENTAL ENERGY

The GRW Series is designed for the most demanding power rating in general applications, ideal for rental operators. It features a modern design, low noise level and versatile accessories.



MANUAL CONTROL PANEL (MCP)		GRW70P	GRW90P	GRW120P	GRW160P	GRW200P
MANUAL CONTROL PANEL (MCP)  Manual control panel mounted on the genset, with analogue instrumentation, and protected through door with lockable handle.	Instrumentation (analogue)	<ul style="list-style-type: none"> • Voltmeter. • Ammeter. • Frequency meter. • Hours-counter. • Fuel level indicator. • Oil pressure indicator. • Engine temperature indicator. 				
	Commands and others	<ul style="list-style-type: none"> • Start/stop selector switch with key. • Emergency stop button. • Potentiometer for adjusting the output voltage. • Six wire multipin connector for external remote start/stop signal and battery charger feeding. 				
	Protections with alarm	<ul style="list-style-type: none"> • Engine protections: low fuel level, low oil pressure, high engine temperature, battery charger failure. 				
	Protections with shutdown	<ul style="list-style-type: none"> • Engine protection unit [MC -01]: low fuel level, low pressure oil, high engine temperature, battery charge failure. • Circuit breaker protection. 				
	Output	<ul style="list-style-type: none"> • Power cables connected to terminals board (external). 				
	Output receptacles	2 x 120V 20A 2P+T NEMA (duplex with GFCI). 1 x 120V 30A 2P+T NEMA (twistlock). 1 x 240/120V 30A 2P+T NEMA (twistlock). 1 x 240/120V 50A 2P+T NEMA (twistlock). 1 x 240V 50A 3P+T NEMA (twistlock). Main Lugs				

Model		GRW70P	GRW90P	GRW120P	GRW160P	GRW200P
480V (3 phases)						
PRIME POWER PRP	kW (kVA)	58 (73)	74 (93)	91 (114)	125 (156)	161 (201)
EMER POWER LTP	kW (kVA)	64 (80)	82 (103)	100 (125)	142 (177)	178 (223)
Voltage	Volt	480/277	480/277	480/277	480/277	480/277
Frequency	Hz	60	60	60	60	60
Power Factor	cos ϕ	0.8	0.8	0.8	0.8	0.8
208V (3 phases)						
PRIME POWER PRP	kW (kVA)	56 (70)	74 (92)	90 (113)	124 (155)	160 (200)
EMER POWER LTP	kW (kVA)	58 (73)	82 (102)	96 (120)	140 (175)	175 (219)
Voltage	Volt	208/120	208/120	208/120	208/120	208/120
Frequency	Hz	60	60	60	60	60
Power Factor	cos ϕ	0.8	0.8	0.8	0.8	0.8
240V (1 phase)						
PRIME POWER PRP	kW (kVA)	45 (45)	68 (68)	68 (68)	96 (96)	123 (123)
EMER POWER LTP	kW (kVA)	50 (50)	74 (74)	74 (74)	106 (106)	136 (136)
Voltage	Volt	240/120	240/120	240/120	240/120	240/120
Frequency	Hz	60	60	60	60	60
Power Factor	cos ϕ	1	1	1	1	1
ENGINE						
Model		Perkins	Perkins	Perkins	Perkins	Perkins
Type		1104D-E44TG	1104D-E44TAG1	1104D-E44TAG2	1106D-E66TAG2	1106D-E66TAG4
Fuel Type		Diesel	Diesel	Diesel	Diesel	Diesel
Exhaust Emissions	Tier	EPA III	EPA III	EPA III	EPA III	EPA III
Cooling system	Type	Water	Water	Water	Water	Water
Speed	rpm	1800	1800	1800	1800	1800
Displacement	cu. in.	269.1	269.1	269.1	402.7	402.7
Cylinders and Disposition	n° disp.	4 line	4 line	4 line	6 line	6 line
Aspiration	Type	Turbo	Turbo-Intercooler	Turbo-Intercooler	Turbo-Intercooler	Turbo-Intercooler
Engine Power PRP	bhp	87	110	134	182	233
Engine Power LTP	bhp	97	122	149	207	259
Fuel cons. (III) (75% load PRP)	gal/h (l/h)	3.6 (13.6)	4.3 (16.3)	5.1 (19.3)	7.5 (28.4)	9.5 (36.0)
Fuel cons. (III) (100% load PRP)	gal/h (l/h)	4.8 (18.2)	5.8 (22.0)	6.8 (25.7)	10.0 (37.9)	12.7 (48.1)
Specific Consumption PRP	lb/hph	0.383	0.363	0.350	0.377	0.376
Engine Governor (standard)	Type	Mechanical	Electronic	Electronic	Electronic	Electronic
ALTERNATOR						
Model		Stamford	Stamford	Stamford	Stamford	Stamford
Type		UCI 224 E	UCI 274 C	UCI 274 C	UCI 274 E	UCI 274 G
Power at 27°C (480V)	kWE(kVA)	79 (99)	106 (133)	124 (155)	150 (188)	220 (275)
Power at 27°C (208V)	kWE(kVA)	71 (89)	93 (116)	110 (138)	136 (170)	200 (250)
Power at 27°C (240V)	kWE(kVA)	45 (56)	54 (68)	63 (79)	77 (96)	114 (143)
Insulation	Class	H	H	H	H	H
Mechanical Protection	Type	IP23	IP23	IP23	IP23	IP23
Voltage Regulation	Type / Model	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%	Electronic / 1,5%
CONSUMPTION						
Tank capacity	gal(l)	92 (348)	92 (348)	92 (348)	92 (348)	92 (348)
Autonomy (III) (75% PRP)	h	25.5	21.3	18.1	12.4	9.7
Autonomy (III) (100% PRP)	h	19.1	16.0	13.6	9.3	7.3
DIMENSIONS						
Length	in (mm)	106.7 (2710)	106.7 (2710)	106.7 (2710)	133.9 (3401)	133.9 (3401)
Width	in (mm)	46.5 (1181)	46.5 (1181)	46.5 (1181)	49.2 (1250)	49.2 (1250)
Height	in (mm)	60.4 (1534)	60.4 (1534)	66.3 (1684)	66.1 (1679)	66.1 (1679)
Weight (Dry)	lb (kg)	3019 (1369)	3281 (1488)	3285 (1490)	4573 (2074)	4880 (2214)

GENSET FEATURES

VSS: VOLTAGE SELECTOR SWITCH. Rotary switch to reconnect the alternator for different output voltages from three phase to single phase - star (III) / parallel star (III) / zig-zag (II).

KRT: RENTAL KIT. Includes: battery switch, fuel filter water separator, three way valve, and earth rod.

G5B: GALVANIZED SKIDS FRAME (optional). Heavy duty galvanized skid to be installed under the genset. Easily transportable with fork lift.



GENSET SUPPLEMENTS

EFT: EXTENDED CAPACITY FUEL TANK. Capable to increase genset autonomy from 16-20 hours from GRW160P-GRW200P (172 US Gal).

TRL: ROAD TRAILER. Trailer with or without extended run tank.





[Energy mover]



2008 MotoGP World Championship



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