



# 6W105S

Marine Generator Set



Number of cylinders	6
Bore and stroke (mm)	105 X 130
Total displacement (L)	6.7
Cylinders	6
Engine rotation	Counter clockwise
Idle speed	650
Flywheel	SAE 3
Flywheel housing	SAE 11.5"

Ratings					Fuel Consumption						Emissions
					@ 100%		@ 75%		@ 50%		IMO
Rating	Hz	kVA	kWe	RPM	g/kWh	l/h	g/kWh	l/h	g/kWh	l/h	
PRP	50	100	80	1500	178	18	195	15	215	11	-
PRP	50	125	100	1500	190	24	195	19	212	14	-
PRP	50	135	108	1500	194	27	196	20	209	15	-
PRP	50	150	120	1500	192	29	196	23	207	16	-
PRP	60	115	92	1500	170	20	179	16	197	12	-
PRP	60	135	108	1800	202	28	207	22	231	16	-
PRP	60	143	114	1800	197	29	209	23	231	17	-
PRP	60	155	124	1800	196	31	205	24	220	17	II
PRP	60	170	136	1800	196	34	205	27	215	19	II

## Generator Sets & Auxiliary Engines

Power Class		Definition
PRP	Prime Power	Unrestricted running time Time at full load $\leq$ 500hrs/year Load variation $\leq$ 75% of rated power 10% overload 1hr/12hrs
ESP	Emergency Standby Power	Running time 200hrs/year max Load variation 110% of Prime power Average Load factor should not exceed 70% of the engine's ESP rating

## Baudouin's Engine DNA: Genuine Marine Power, Efficiency & Reliability

Our genuine marine engine design is specifically engineered for marine applications, ensuring durability, performance, and seamless integration in the most demanding environments. Designed for easy maintenance, our engines feature individual cylinder heads, allowing for quick servicing and minimal downtime to ensure uninterrupted operations. Built with key components made from highly durable materials, our engines guarantee long-term reliability and endurance in every condition.

## Dimensions and dry weight (mm/kg)



L (mm)	W (mm)	H (mm)	Weight (Kg)
2140	1042 - 1142	1066	1216 - 1248

## Standard equipment

### Cooling System

Integrated fresh water expansion tank  
 High efficiency tubular heat exchanger  
 Gear driven centrifugal raw water pump  
 Self priming raw water pump

### Lubrication System

Full flow lube oil filters simple type  
 Fresh water cooled lube oil heat exchanger

### Fuel System

Mechanical injection  
 Fuel oil filter duplex type  
 External fuel pre-filter with water separator  
 Double wall injection bundle

### Intake Air and Exhaust System

Dry single stage turbocharger

### Electrical System

Voltage: 24V DC insulated  
 Electrical starter  
 55A battery charger

### Optional Equipment

Keel Cooling configuration  
 Wet exhaust

### Generator

50/60 Hz frequency, 4 poles  
 Insulation / heating class H/H  
 Electronic voltage regulation

Brushless excitation  
 IP23 Protection, marine impregnation  
 Single bearing

### Power definition

(Standard ISO 3046-1:2002)

### Reference conditions

Ambient temperature	25°C / 77°F
Barometric pressure	100 kPa
Relative humidity	30%R
Raw water temperature	25°C / 77°F

### Fuel oil

Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	± 5%
Inlet limit temperature	35°C / 95°F

**Our ratings also comply with classification societies maximum temperature definition without power derating.**

Ambient temperature	45°C / 113°F
Raw water temperature	32°C / 90°F