

# Marine Diesel Generators

## 4 strokes diesel engine, direct injection

Power definition  
Standard ISO 3046/1 - 1995 (F)

### Reference conditions

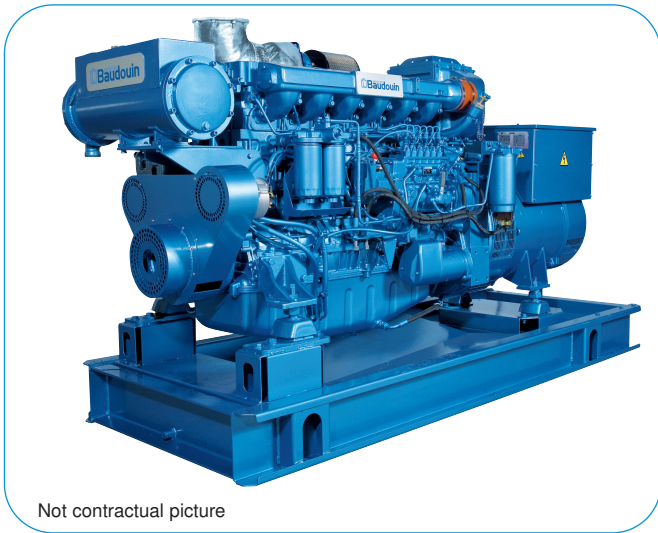
Ambiant tepeature	25 °C / 77 ° F
Barometric pressure	100 kPa
Relative humidity	30 %
Raw water temperature	25 °C / 77 ° F

### Fuel oil

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

### Electrical power

Power in kVA declared at pf 0.8



Not contractual picture

## GENERAL DATA

Models	Nb cyl	Arrangement	Bore (mm)	Stroke (mm)	Swept vol. (l)	Flywheel housing
4 W105S	4	in line	105	130	4.50	SAE 3
6 W105S	6	in line	105	130	6.75	SAE 3
6 W126S	6	in line	126	155	11.56	SAE 1
6 M19.3	6	in line	126	155	11.56	SAE 1
6 M26.2	6	in line	150	150	15.90	SAE 1
12 M26.2	12	in V	150	150	31.80	SAE 0

## MAXIMUM RATING TABLE

		PRP		
		kWm	kWe	kVA
4 W105S	50 Hz	75	68	85
	60 Hz	92	84	105
6 W105S	50 Hz	129	120	150
	60 Hz	145	136	170
6 W126S	50 Hz	290	272	340
	60 Hz	300	280	350
6 M19.3	50 Hz	330	320	400
	60 Hz	380	360	450
6 M26.2	50 Hz	440	416	520
	60 Hz	460	436	545
12 M26.2	50 Hz	880	836	1045
	60 Hz	920	872	1090

### Prime running power (PRP)

- Variable load with mean power calculated on 250 running hours
- No restriction on use if mean power ≤ 75% of nominal power
- Total operating time at 100% nominal power shall not exceed 500 hours per year
- 10% overload available 1 hour each 12 hours

### 3 PHASES SYNCHRONOUS GENERATOR

Frequency	50/60 Hz - 4 poles
Insulation / Heating class	H / H
Voltage regulation	Electronic
Excitation	Brushless
Protection / Impregnation	IP23 / Marine
Bearing	Sealed, life lubricated

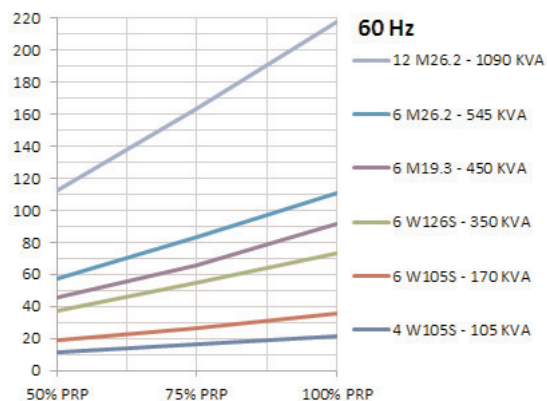
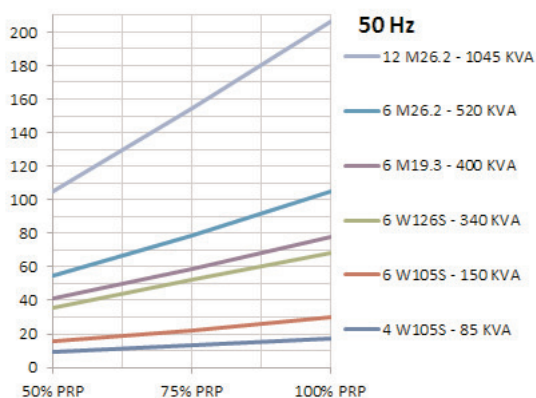
### OPTIONAL EQUIPMENTS (extract)

Keel cooling water circuits configuration
Remote alarm panel
Communication port (canbus J1939)

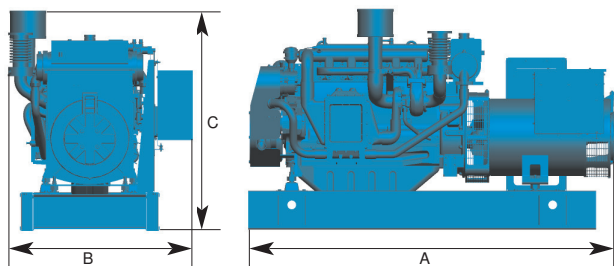
### SPECIFIC FUEL CONSUMPTION

	PRP			100% PRP		75% PRP		50% PRP	
	HZ	kVA	kWe	kWm	g/kWh	kWm	g/kWh	kWm	g/kWh
<b>4 W105S</b>	50	85	68	75	194	56	196	38	205
	60	105	84	92	198	69	197	46	213
<b>6 W105S</b>	50	150	120	129	193	97	194	65	204
	60	170	136	145	204	109	207	73	220
<b>6 W126S</b>	50	340	272	290	198	218	201	145	204
	60	350	280	300	205	225	206	150	209
<b>6 M19.3</b>	50	400	320	330	199	248	198	165	208
	60	450	360	380	202	285	194	190	201
<b>6 M26.2</b>	50	520	416	440	200	330	200	220	208
	60	545	436	460	202	345	202	230	210
<b>12 M26.2</b>	50	1045	836	880	197	660	197	440	201
	60	1090	872	920	199	690	199	460	205

### FUEL CONSUMPTION PERFORMANCES (l/h)



### DIMENSIONS



	kVA 50 Hz	kVA 60 Hz	A	B	C	Kg*
<b>4 W105S</b>	85	105	1 730	856	1 110	1 100
<b>6 W105S</b>	100 / 150	120 / 170	2 109	866	1 261	1 500
	170 / 260	205 / 300	2 585	994	1 391	2 145
<b>6 W126S</b>	300 / 340	350	2 727	994	1 391	2 371
	400	450	2 608	1 242	1 270	2 470
<b>6 M26.2</b>	520	545	3 174	1 237	1 337	3 170
<b>12 M26.2</b>	1045	1090	3 879	1 456	1 575	5 930

\* without water & oil