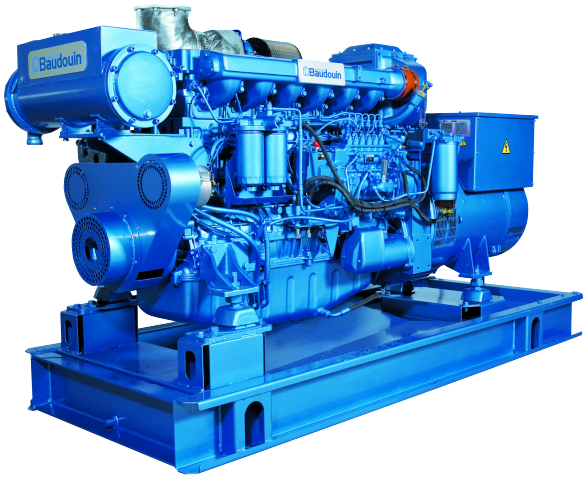


Not contractual picture

Marine Diesel Generators

4 strokes Diesel engine, direct injection

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

Reference conditions

Ambiant tempeature	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

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
8 M26.2	8	in V	150	150	21.20	SAE 0
12 M26.2	12	in V	150	150	31.80	SAE 0

MAXIMUM RATING TABLE

		COP		PRP	
		kWe	kVA	kWe	kVA
4 W105S	50 Hz	68	85	68	85
	60 Hz	84	105	84	105
6 W105S	50 Hz	120	150	120	150
	60 Hz	136	170	136	170
6 W126S	50 Hz	272	340	272	340
	60 Hz	280	350	280	350
6 M19.3	50 Hz	320	400	320	400
	60 Hz	360	450	360	450
6 M26.2	50 Hz	304	380	336	420
	60 Hz	344	430	344	430
8 M26.2	50 Hz	400	500	444	555
	60 Hz	464	580	464	580
12 M26.2	50 Hz	613	765	676	845
	60 Hz	700	875	700	875

Continuous power (COP)

- Rated load without time or load factor limitation

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

Limited time running power (consult us)

- Variable load with mean power calculated on 250 running hours
- No overload
- Typical hours per year 500 hours (with mean power ≤ 85% of rated power)
- Total operating time at 100% rated power shall not exceed 25 hours per year
- Maximum continuous running time at 100% rated power: 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

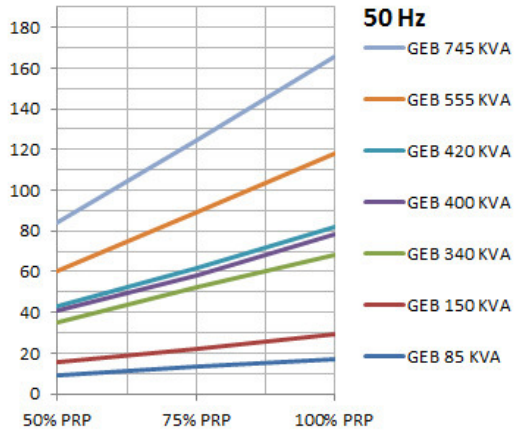
OPTIONAL EQUIPMENTS (extract)

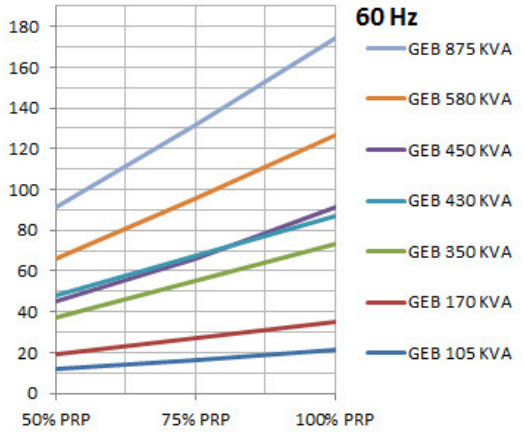
Cooling by keel cooling
High efficiency air filter
Exhaust silencer
Water injection type exhaust elbow
Remote control panel

SPECIFIC FUEL CONSUMPTION

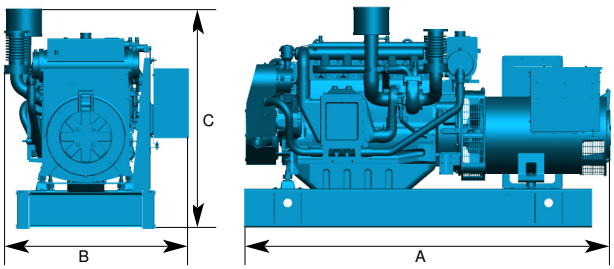
	PRP			100% PRP		75% PRP		50% PRP	
	HZ	kVA	kWe	kWm	g/kWh	kWm	g/kWh	kWm	g/kWh
4 W105S	50	85	68	75	194	56	196	38	205
	60	105	84	92	198	69	197	46	213
6 W105S	50	150	120	129	193	97	194	65	204
	60	170	136	145	204	109	207	73	220
6 W126S	50	340	272	290	198	218	201	145	204
	60	350	280	300	205	225	206	150	209
6 M19.3	50	400	320	330	199	248	198	165	208
	60	450	360	380	202	285	194	190	201
6 M26.2	50	420	336	355	194	266	195	178	202
	60	430	344	368	198	276	205	184	220
8 M26.2	50	555	444	473	210	355	211	237	215
	60	580	464	491	217	368	218	246	226
12 M26.2	50	845	676	710	196	533	196	355	199
	60	875	700	736	199	552	200	368	208

FUEL CONSUMPTION PERFORMANCES (l/h)





DIMENSIONS



	kVA 50 Hz	kVA 60 Hz	A	B	C	Kg *
4 W105S	85	105	1 680	1 060	1 268	1 100
6 W105S	100 / 150	120 / 170	2 109	1 059	1 261	1 500
6 W126S	170 / 260	205 / 300	2 585	1 178	1 470	2 145
	270 - 340	325 / 350	2 727	1 184	1 470	2 371
6 M19.3	400	450	2 604	1 208	1 270	2 470
6 M26.2	420	-	3 174	1 237	1 337	3 028
	-	430	2 869	1 237	1 337	2 911
8 M26.2	555	-	2 986	1 597	1 474	3 920
	-	580	2 890	1 597	1 474	3 867
12 M26.2	845	-	3 870	1 828	1 425	5 385
12 M26.2	-	875	3 876	1 828	1 425	5 245

*without water & oil

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