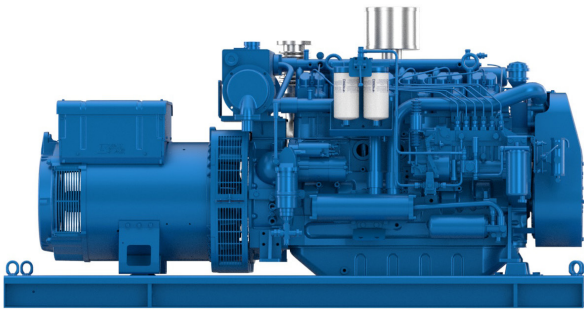


6W105

Genset Diesel Engine



Number of cylinders	6 in line
Bore and stroke (mm)	105 X 130
Total displacement (L)	6.75
Compression ratio	18/1
Engine rotation	counter clockwise
Idle speed	700
Flywheel	SAE 3
Flywheel housing	SAE 11.5"

Customer benefits

Continuous compact power with reference performances in its category

Easy service with accesible components and unit cylinder heads

Simple technology with common rail injection

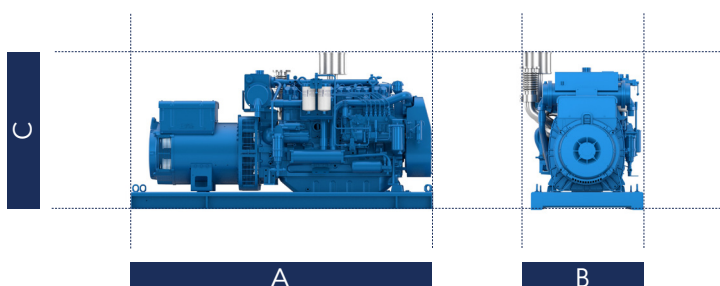
Life cycle cost efficiency with extended MTBO (Mean time between overhauls)

6W105					Fuel consumption									Emissions	
Ratings					@ 100%			@ 75%			@ 50%				
Rating	Hz	kVA	kWe	RPM	kWm	g/kWh	l/h	kWm	g/kWh	l/h	kWm	g/kWh	l/h	IMO	EPA
PRP	50	150	120	1500	129	197	25	97	198	19	65	204	13	II	NA*
PRP	60	170	136	1800	145	199	29	109	201	22	73	210	15	II	NA*
PRP	50	150	120	1500	129	197	25	97	198	19	65	204	13	NA	NA*
PRP	60	170	136	1800	145	199	29	109	201	22	73	210	15	NA*	NA*
ESP	50	165	132	1500	142	197	28	107	197	21	71	203	14	NA*	NA*
ESP	60	180	144	1800	154	199	31	116	201	23	77	210	16	NA*	NA*

Generator Sets Engines

Power Class		Definition
PRP	Prime Power	Unrestricted running time Time at full load ≤ 500hrs/year Load variation ≤ 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 power rating

Dimensions and dry weight (mm/kg)



Genset	A	B	C	Dry weight
PRP 125-135 kVA	1997	1044	1120	1231
PRP 150-170 kVA	2031	1044	1120	1266

Standard equipment

Cooling System	Two - stage cooling circuit with built - in HT thermostatic valve Integrated fresh water expansion tank High efficiency tubular heat exchanger Gear driven centrifugal raw water pump Self priming raw water pump with bronze impeller
Lubrication System	Full flow lube oil filters duplex type Fresh water cooled lube oil heat exchanger
Fuel System	Common-rail electronic injection High pressure pump with shielded high pressure injection rail and pipes Fuel oil filter duplex type External fuel pre-filter with water separator
Intake Air and Exhaust System	Double flow raw water cooled intake air heat exchanger module High efficiency dry turbocharger with ball bearing technology Two Stage Turbocharging system
Electrical System	Voltage: 24V DC insulated Electrical starter 190A battery alternator

Optional Equipment	Wet exhaust PTO elastic coupling Additional pulley Electric drain system Standard PTO for hydraulic pump Different alternators possible - including 12V Electrical rotary actuator
---------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Power definition

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

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%
	(DIN ISO 3046-1)
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