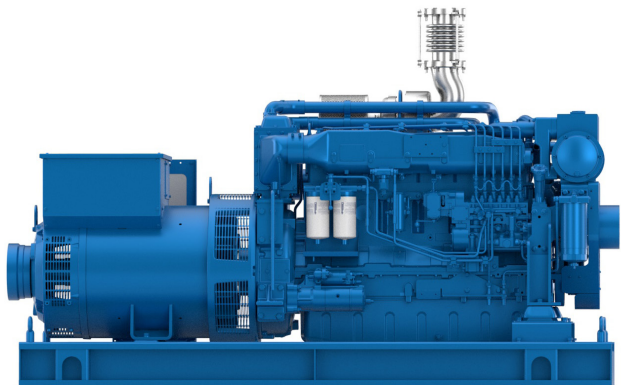




6M16

Genset Diesel Engine



Number of cylinders	6 in line
Bore and stroke (mm)	126 X 130
Total displacement (L)	9.7
Compression ratio	17/1
Engine rotation	counter clockwise
Idle speed	600
Flywheel	SAE 1
Flywheel housing	SAE 14"

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

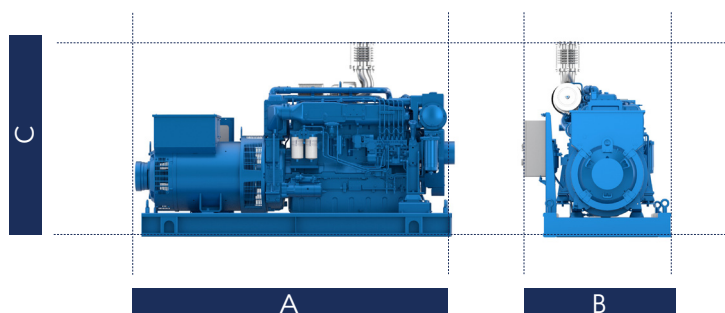
Life cycle cost efficiency with extended MTBO (Mean time between overhauls)

6M16					Fuel consumption									Emissions	
					@ 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	250	200	1500	214	198	51	161	197	38	107	200	26	II	NA
PRP	60	280	224	1800	239	198	57	179	197	43	120	204	30	II	NA

Generator Sets 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

Dimensions and dry weight (mm/kg)



Genset	A	B	C	Dry weight
250 kVA @ 50 Hz	2408	1224	1275	1803*

* 1958 for 240 kVA 50Hz

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