

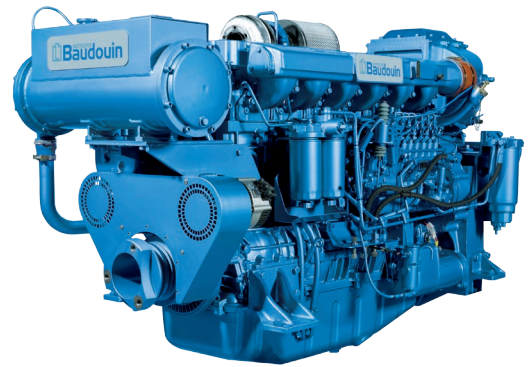


## Marine Engines

# 6 W126M

### 4 Stroke diesel engine, direct injection

Bore and stroke	126 x 155 mm
Number of cylinders	6 in line
Total displacement	11,60 litres
Compression ratio	18/1
Engine rotation (ISO 1204 standard)	counterclockwise
Idle speed	600 rpm
Flywheel housing	SAE 1
Flywheel	SAE 14"



### Customer benefits

**Continuous compact power** with reference performances in its category

**Global environment care** with low exhaust emissions and controlled fuel consumption at any running cycle

**Simple technology with mechanical injection**

**Life cycle cost efficiency** with extended mean time between overhauls (MBTO)

### Rated power - Fuel consumption

Duty	kW	hp	rpm	Fuel consumption g/kWh	l/h	IMO	CCNR	CE97/68
P1	294	400	1800	200	70	II	II	IIIA
P2	331	450	2100	210	83	II	II	IIIA

	P1 duty	P2 duty
Application	unrestricted continuous	continuous
Engine load variations	very little or none	numerous
Average engine load factor	80 to 100 %	30 to 80 %
Annual working time	more than 5000 h	3000 to 5000 h
Time at full load	unlimited	8 h each 12 h

### P1 typical applications

deep sea trawlers, shrimps trawlers, sea going tug boats, river tug boats, push boats, freighters, dredges, LCT, ferries

### P2 typical applications

passengers vessels, harbour tug boats, motorbarges, coastal freighters, tuna boats, seiners, netters, potting boats, longliners, buoyers, supply vessels, oceanographic research vessels, commercial pleasure crafts

### 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	0 ± 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



## Standard equipment

### Engine and block

Cast iron cylinder block, with replaceable cylinder liners  
Separate cast iron cylinder heads equipped with 4 valves  
Replaceable valves guides and seats  
Steel forged crankshaft with 7 bearings  
Lube oil cooled light alloy piston with 3 high performance piston rings

### Cooling system

Fresh / raw water heat exchanger with integrated thermostatic valves and expansion tank  
Cast iron centrifugal fresh water pump, mechanically driven  
Bronze self-priming raw water pump, mechanically driven

### Lubrication system

Full flow duplex type oil filters  
Fresh water cooled lube oil cooler

### Fuel system

In line injection pump with flanged mechanical governor  
Double wall injection bundle  
Duplex fuel filters replaceable engine running  
Water separator

### Intake air and exhaust system

Insulated exhaust gas manifold  
Turbo blower with insulated turbine housing  
Low water temperature cooled intake air cooler

### Electrical system

Voltage: 24Vcc  
Electrical starter on flywheel crown  
35A battery charger

## Optional equipment (extracts) \*

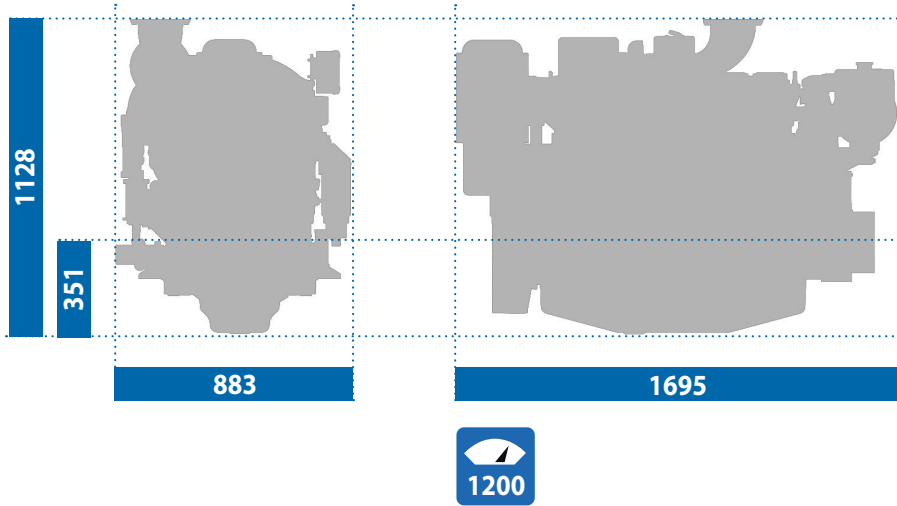
Cooling system adapted for box / keel cooling  
Connection for emergency raw water circuit  
Bilge pump  
Air starter

Free end PTO  
Resilient mounts under engine  
Exhaust water injection after turbocharger

\* contact us for further information regarding our options.

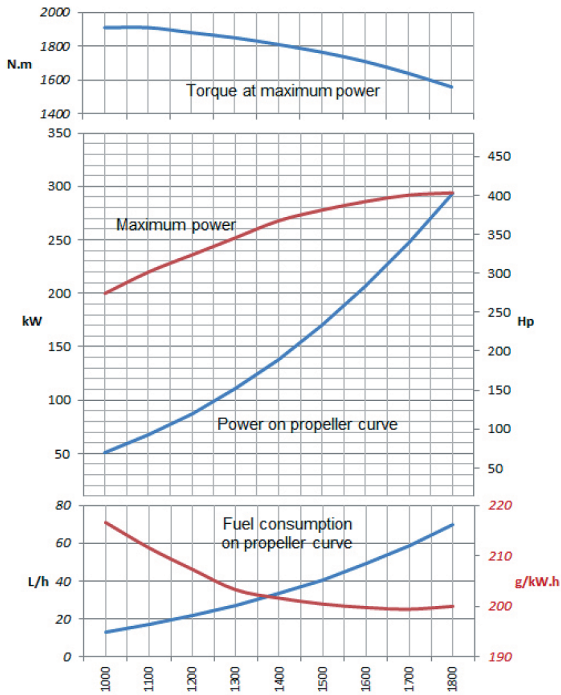


### Dimensions and dry weight (mm / kg)



### Performance

**P1 - 294 kW - 400 hp @1800 rpm**



**P2 - 331 kW - 450 hp @2100 rpm**

