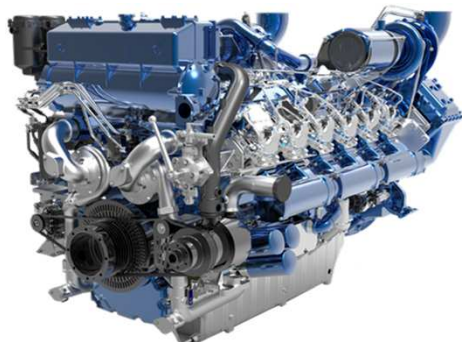


# I2 M33.2



Not contractual picture

## 4 stroke diesel engine, direct injection

Bore and stroke	150 x 185 mm
Number of cylinders	12 V
Total displacement	39.2 litres
Compression ratio	15/1
Engine rotation (ISO 1204 standard)	Counterclockwise
Idle speed	650 rpm
Dry weight	3900 kg
Flywheel housing	SAE 0
Flywheel	SAE 18"

### RATED POWER: E3 cycle

Duty	rpm	kW	hp	Peak torque / speed (Nm / rpm)	Full load fuel consumption (g/kWh)	IMO
P1	1800	956	1300	6900 / 1100	215	II
P1	1800	1029	1400	7360 / 1200	218	II
P2	1800	1103	1500	8196 / 1200	219	II

**Power definition** Standard ISO 3046/1 - All units are metric and declared performances according to IMO Tier II ratings

#### Reference conditions

Ambient temperature	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 temperature	35 °C / 95 °F

	P1 duty	P2 duty
Application	Unrestricted continuous	Continuous
Engine load variation	Very little or none	Numerous
Mean engine load factor	80 to 100%	30 to 80%
Annual working time	More than 5000 hr	3000 to 5000 hr
Time at full load	unlimited	8 hr every 12 hr

## STANDARD EQUIPMENTS

### Engine and block

- Cast iron cylinder block
- One inspection door per cylinder for access to conrod cap
- Cast iron cylinder liners, wet type
- Separate cast iron cylinder heads equipped with 4 valves
- Replaceable valves guides and seats
- Hardened steel forged crankshaft with induction hardened journals, crankpins and radius
- Lube oil cooled light alloy pistons with 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 screwable oil filters
- Lube oil purifier with replaceable cartridge
- Fresh water cooled lube oil cooler
- Manual prelubricating oil pump

### Fuel system

- In line injection pump with flanged mechanical governor
- Double wall injection bundle with leakage collector
- Duplex fuel filters replaceable engine running

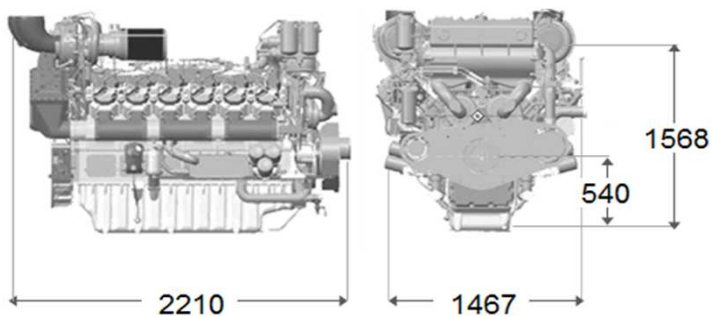
### Intake air and exhaust system

- Fresh water cooled turbo blower
- Fresh water cooled exhaust gas manifold

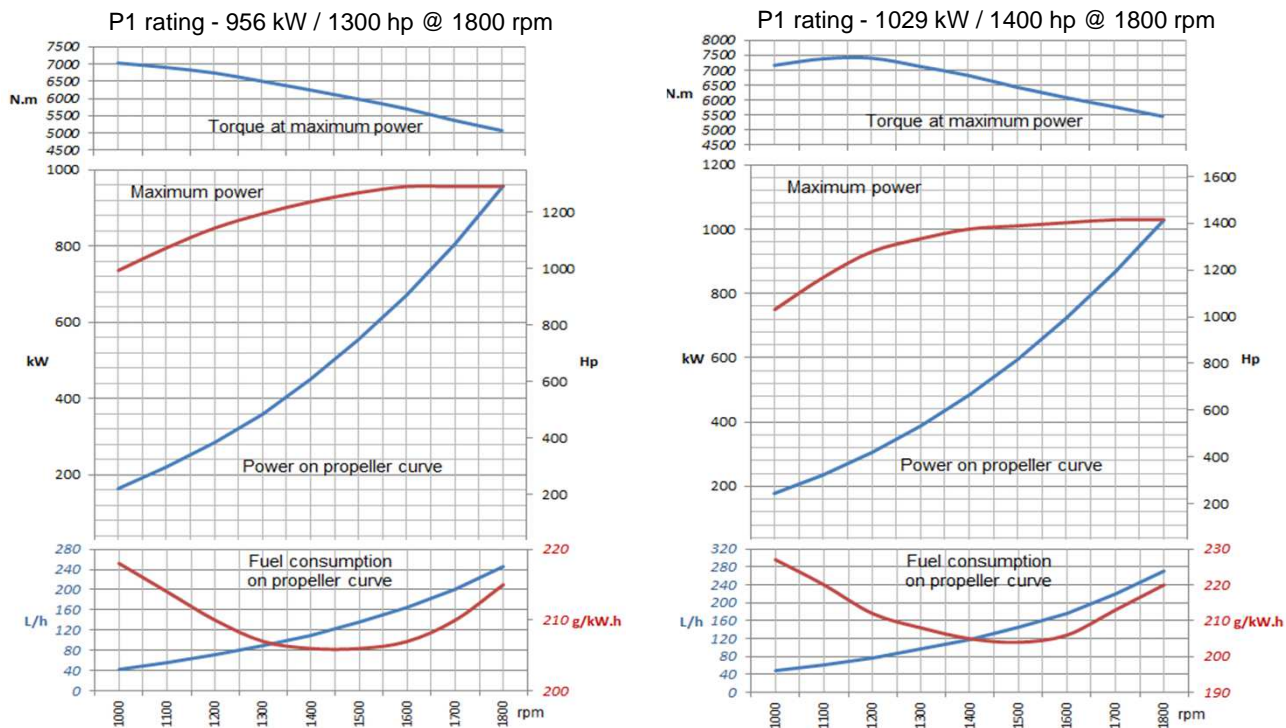
### Electrical system

- Voltage: 24VDC
- Engine room and bridge panels
- Electrical starter on flywheel crown
- 175A battery charger

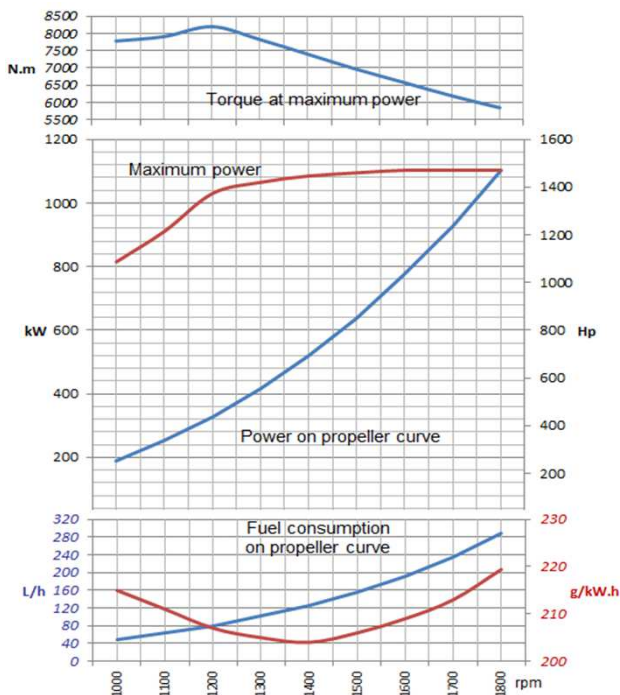
**DIMENSION (mm)**



**PERFORMANCES**



**P2 rating - 1103 kW / 1500 hp @ 1800 rpm**



Moteurs Baudouin reserve the right to modify these specifications without notice. Document not contractual