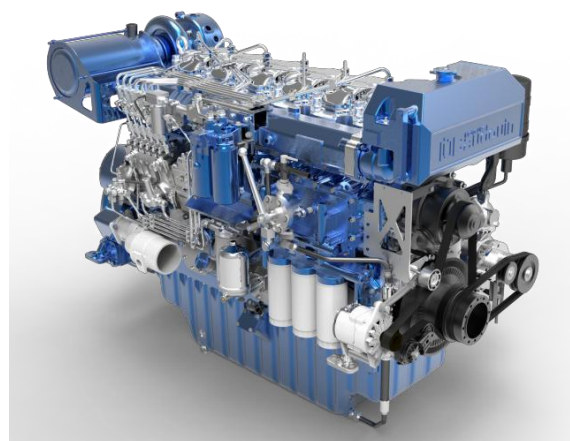


## Marine Engine- 6M33 Series

### General Specifications

Bore & Stroke	150x185 mm
Displacement	19.6 L
Cylinder Number	6
Compression ratio	15:1
Fuel System	Mechanical Pump
Aspiration	TA
Emission Standard	IMO Tier II



Duty	Model	PS	kW	RPM
P1	6M33C500-15	500	368	1500
P1	6M33C550-15	550	405	1500
P1	6M33C600-15	600	441	1500
P1	6M33C600-18	600	441	1800

Duty	Model	PS	kW	RPM
P1	6M33C650-15	650	478	1500
P1	6M33C650-18	650	478	1800
P1	6M33C700-18	700	515	1800
P1	6M33C750-18	750	551	1800

### Standard Equipments

#### Engine and block

- Cast iron gantry type structure block
- One-piece casting crankshaft
- Separate cast iron cylinder heads and wet liners
- Aluminium alloy pistons with gallery oil cooling

#### Cooling system

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

#### Lubrication system

- Filter with metal element, washable
- Fresh water cooled lube oil cooler

### Optional Equipments

- Air starter with storage bottles
- Different harness length of remote monitor
- Free end PTO

#### Fuel system

- P-type in-line injection pump
- Dual-skinned fuel pipe with alarm and leakage collector
- Duplex fuel filters replaceable engine running

#### Intake air and exhaust system

- Washable air filter
- Turbocharger optimized for marine application
- Water jacket exhaust manifold and exhaust expansion joint

#### Electrical system

- 24V electric starter motor and battery charging alternator
- Voyage safeguard monitor and 5m harness

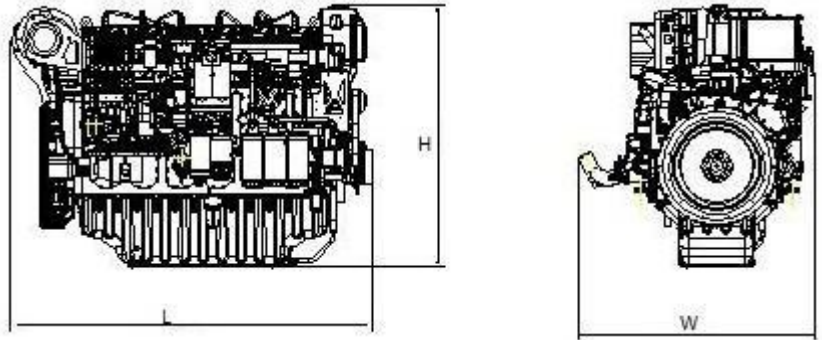
#### Certification

- CCS and EIAPP

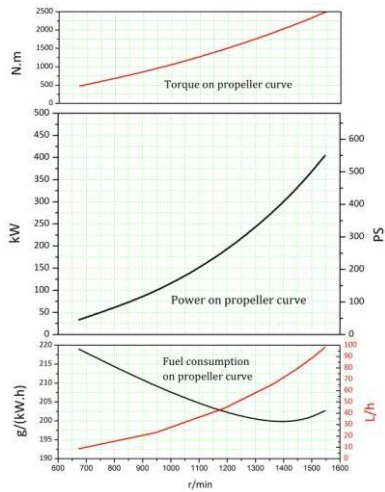
Equipment and factory trial according to Major Classification Societies rules

	P1 Duty	P2 Duty	P3 Duty	P4 Duty
Application	Unrestricted continuous	continuous	intermittent	high performance
Engine load variations	Very little or none	continuous	important	very important
Mean engine load factor	80 to 100%	30 to 80%	50%	30%
Annual working time	More than 5000 h	3000 to 5000 h	1000 to 3000h	less than 1000 h
Time at full load	unlimited	8 h each 12 h	2 h each 12 h	1 h each 12 h

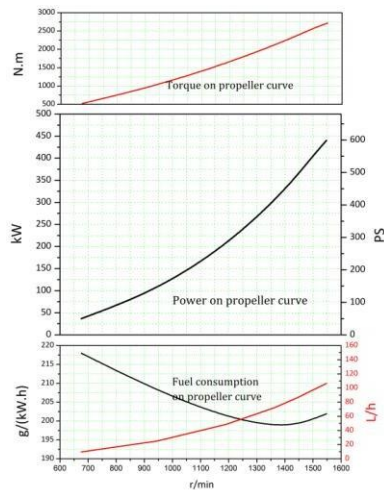
## Dimensions and Weight



Length	1916 mm
Width	1252 mm
Height	1383 mm
Dry Weight	2390 kg



6M33C500-15



6M33C550-15

### Power definition

Standard ISO 3046/1 -1995(F)

### Reference conditions

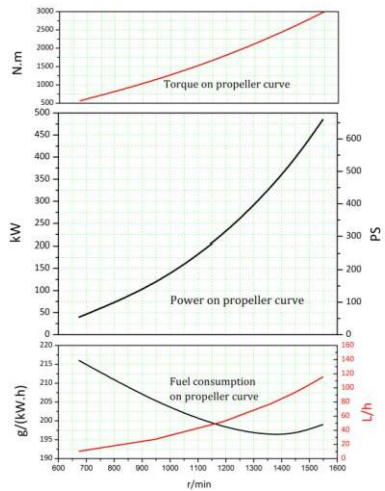
Ambiant temperature	25 °C
Barometric pressure	100 kPa
Relative humidity	30%
Raw water temperature	25 °C

### Fuel

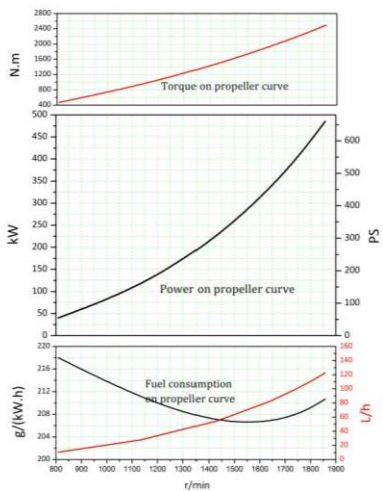
Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	± 5 %

### Lube oil

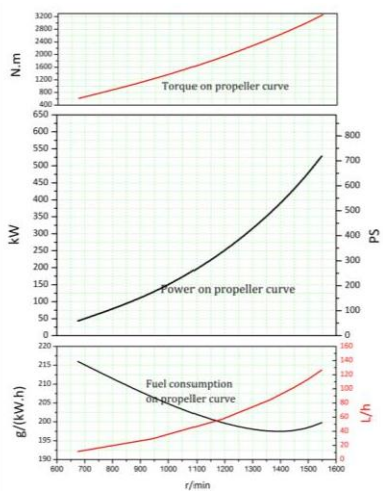
Recommend grade CD 15W/40



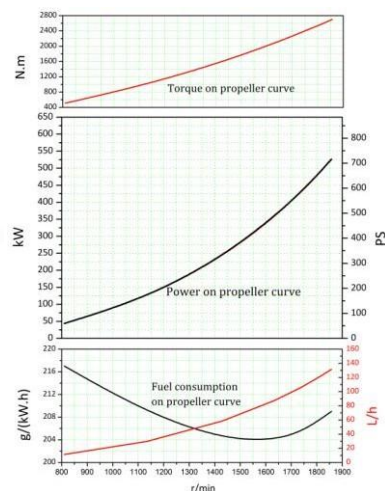
6M33C600-15



6M33C600-18



6M33C650-15



6M33C650-18



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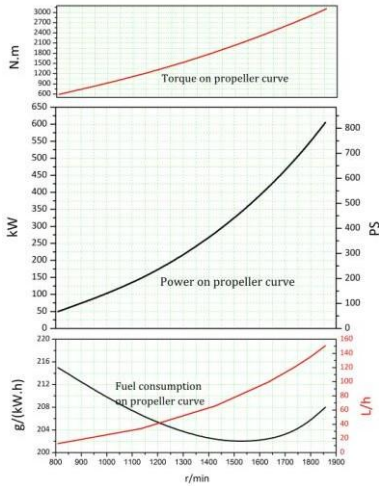
Jl. Pantai Indah Selatan

Komplek Sentra Industri Terpadu Tahap III Blok F20-21

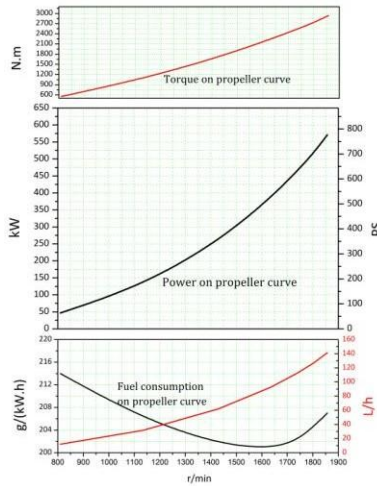
Pantai Indah Kapuk, Jakarta Utara 14470

Telp. (021) 5698 2888 Fax. (021) 5698 3188

www.jarummas.com



6M33C700-18



6M33C750-18



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