

## Marine Engine- WD10 Series

### General Specifications

Bore & Stroke	126x130 mm
Displacement	9.7 L
Cylinder Number	6
Compression ratio	17:1
Fuel System	Mechanical Pump
Aspiration	T/TA
Emission Standard	IMO Tier II



Duty	Model	HP	kW	RPM
P1	WD10C190-15	190	140	1500
P1	WD10C218-15	218	160	1500
P1	WD10C240-15	240	176	1500
P1	WD10C258-15	258	190	1500
P1	WD10C278-15	278	205	1500
P1	WD10C190-18	190	140	1800
P1	WD10C200-18	200	147	1800

Duty	Model	HP	kW	RPM
P1	WD10C240-18	240	176	1800
P1	WD10C278-18	278	205	1800
P1	WD10C312-18	312	230	1800
P1	WD10C200-21	200	147	2100
P1	WD10C278-21	278	205	2100
P1	WD10C300-21	300	220	2100
P1	WD10C326-21	326	240	2100

### Standard Equipments

#### Engine and block

Cast iron frame style body structure  
One-piece forged crankshaft  
Separate cast iron cylinder heads and dry 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

Full flow duplex type oil filters replaceable engine running  
Fresh water cooled lube oil cooler plate type

#### Fuel system

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

#### Intake air and exhaust system

Washable air filter & exhaust expansion joint  
Insulated dry type or water jacket exhaust manifold

#### Electrical system

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

#### Flywheel and housing

SAE1 flywheel housing and SAE 14 flywheel

#### Certification

CCS and EIAPP

### Optional Equipments

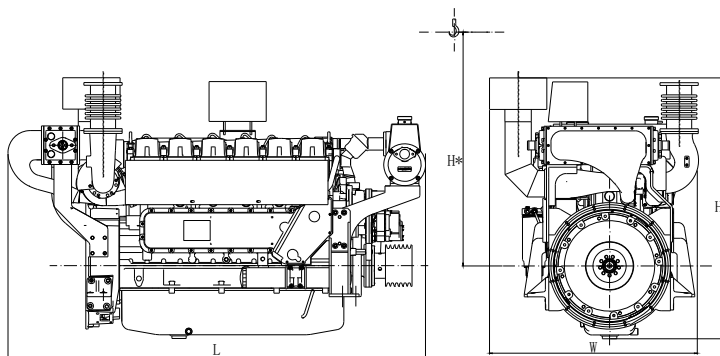
Different harness length of remote monitor  
Free end PTO

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	1895mm
Width	948mm
Height	1176mm
Weight	1056kg



### Power definition

Standard ISO 3046/1 -1995(F)

### Reference conditions

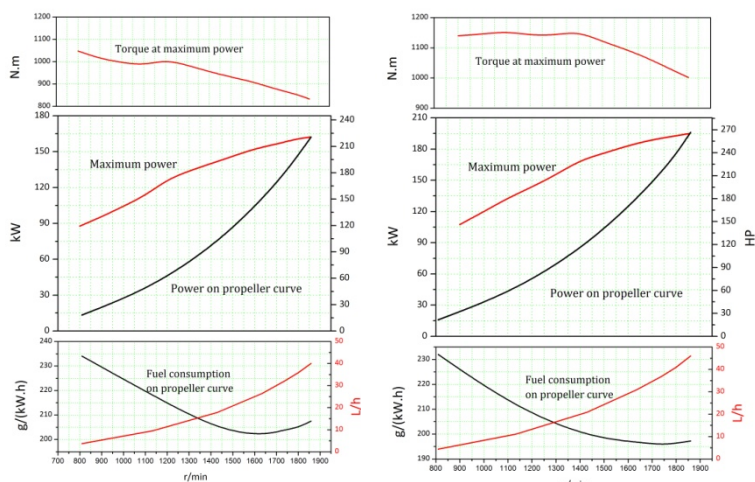
Ambiant temperature	25 °C
Barometric pressure	100 kPa
Relative humidity	30%
Raw water temperature	25 °C

### Fuel

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

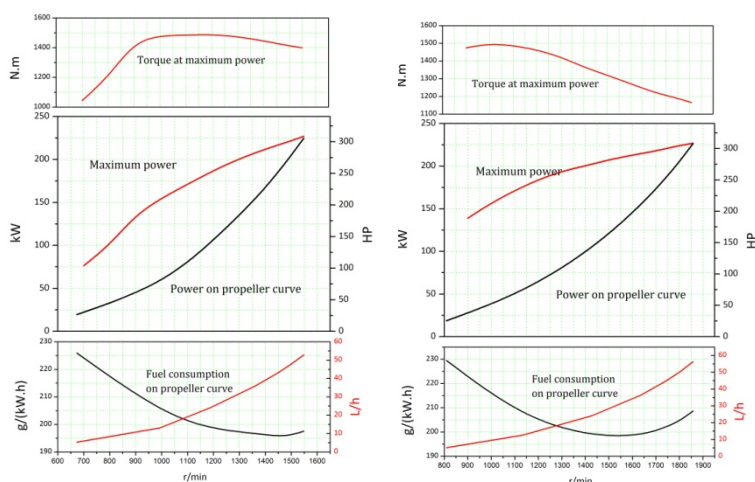
### Lube oil

Recommend grade	CF-4 15W/40
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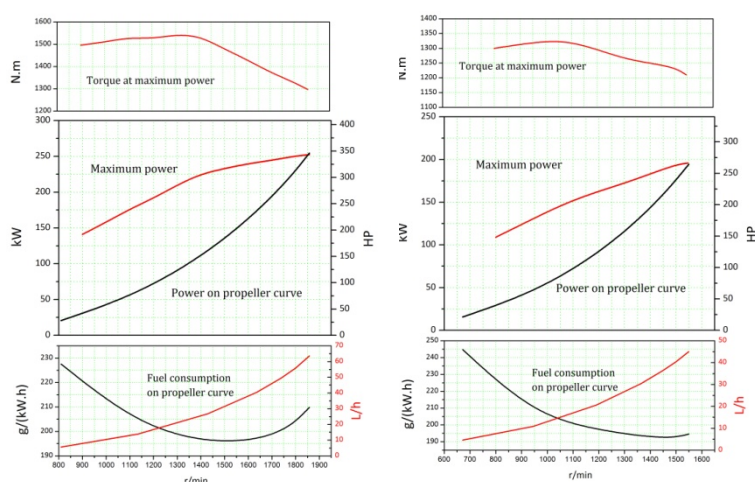
WD10C200-18

WD10C240-18



WD10C278-15

WD10C278-18



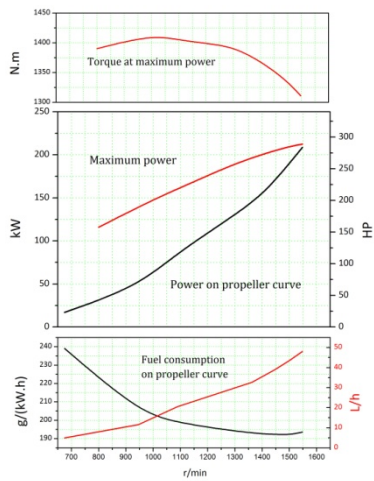
WD10C312-18

WD10C240-15

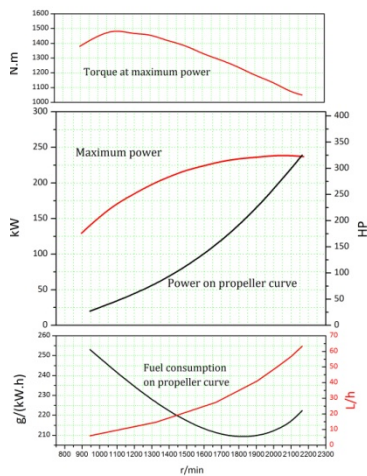
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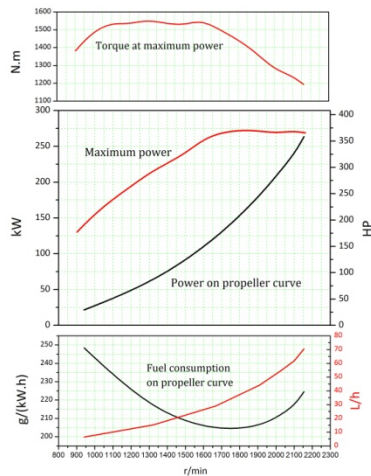




WP10C258-15



WP10C300-21



WP10C326-21

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