

## Marine Engine- WP6 Series

### General Specifications

|                   |                 |
|-------------------|-----------------|
| Bore & Stroke     | 105x130 mm      |
| Displacement      | 6.75 L          |
| Cylinder Number   | 6               |
| Compression ratio | 18:1            |
| Fuel System       | Mechanical Pump |
| Aspiration        | T/TA            |
| Emission Standard | IMO Tier II     |



| Duty | Model      | HP  | kW  | RPM  |
|------|------------|-----|-----|------|
| P1   | WP6C122-15 | 122 | 90  | 1500 |
| P1   | WP6C142-18 | 142 | 105 | 1800 |
| P1   | WP6C156-21 | 156 | 115 | 2100 |
| P1   | WP6C150-15 | 150 | 110 | 1500 |
| P1   | WP6C165-18 | 165 | 122 | 1800 |

| Duty | Model      | HP  | kW  | RPM  |
|------|------------|-----|-----|------|
| P1   | WP6C185-21 | 185 | 136 | 2100 |
| P1   | WP6C140-23 | 140 | 103 | 2300 |
| P1   | WP6C163-23 | 163 | 120 | 2300 |
| P1   | WP6C198-23 | 198 | 145 | 2300 |
| P1   | WP6C220-23 | 220 | 162 | 2300 |
| P2   | WP6C250-25 | 228 | 168 | 2425 |

### Standard Equipments

#### Engine and block

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

#### Cooling system

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

#### Lubrication system

- Spin-on full-flow lub oil filter
- Fresh water cooled lube and plate type oil cooler

#### 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
- Insulated exhaust manifold and exhaust expansion joint

#### 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 size flywheel

#### Certification

- CCS and EIAPP

### Optional Equipments

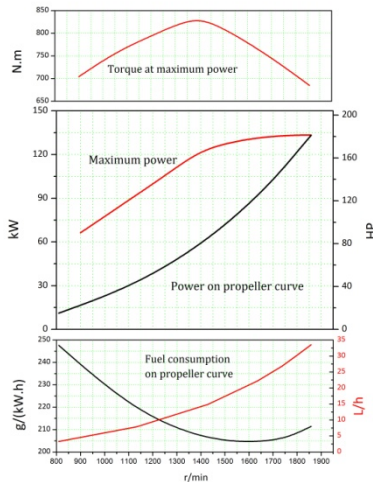
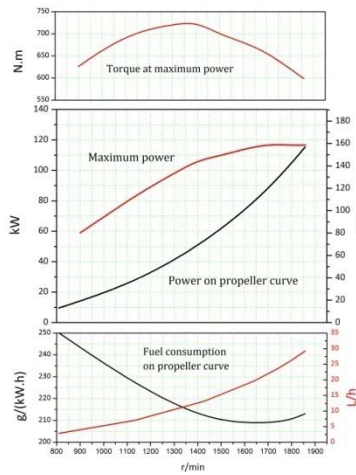
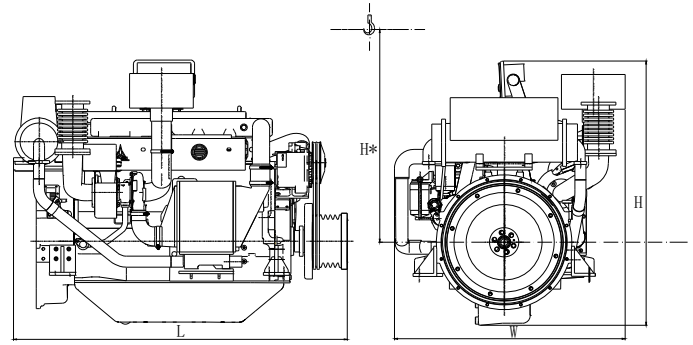
- Different harness length of remote monitor
- Free end PTO

- 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     | 1185 mm |
| Width      | 744 mm  |
| Height     | 1083 mm |
| Dry Weight | 750 kg  |



WP6C142-18

WP6C165-18

### Power definition

Standard ISO 3046/1 -1995(F)

### Reference conditions

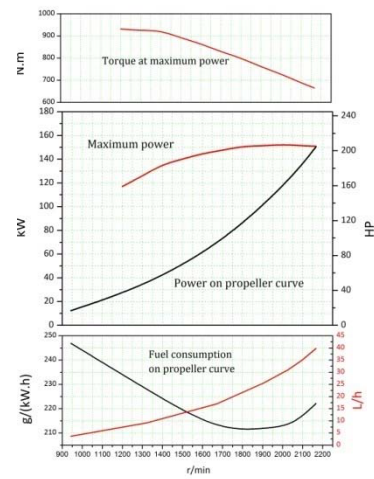
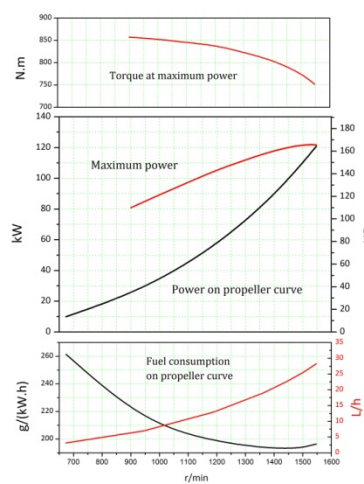
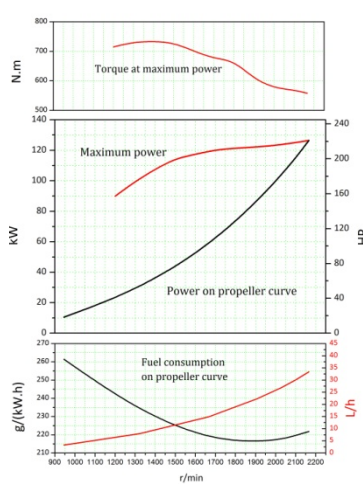
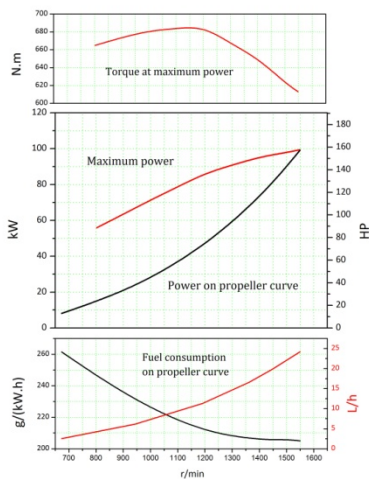
|                       |         |
|-----------------------|---------|
| Ambiant temperature   | 25 °C   |
| Barometric pressure   | 100 kPa |
| Relative humidity     | 30%     |
| Raw water temperature | 25 °C   |

### 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



WP6C122-15

WP6C156-21

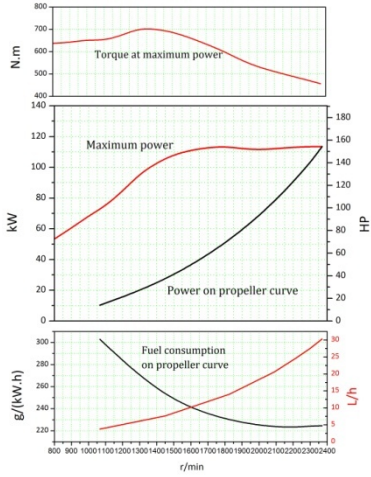
WP6C150-15

WP6C185-21

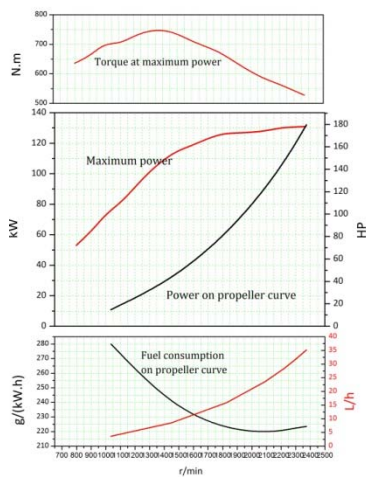
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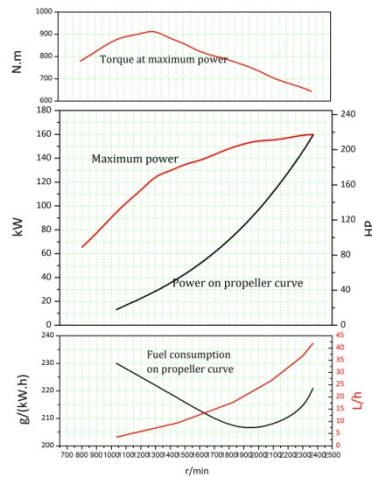




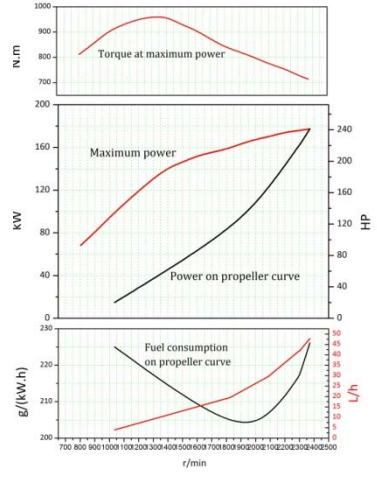
WP6C140-23



WP6C163-23



WP6C198-23



WP6C220-23

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