

# Marine Engine- CW16V200 Series

## General Specifications

|                   |                 |
|-------------------|-----------------|
| Bore & Stroke     | 200x270 mm      |
| Displacement      | 135.7 L         |
| Cylinder Number   | 16              |
| Compression ratio | 13.37           |
| Fuel System       | Mechanical Pump |
| Aspiration        | TA              |
| Emission Standard | IMO Tier II     |



| Duty | Model        | HP   | kW   | RPM  |
|------|--------------|------|------|------|
| P1   | CW16V200ZC-8 | 1958 | 1440 | 900  |
| P1   | CW16V200ZC-6 | 2176 | 1600 | 1000 |

| Duty | Model       | HP   | kW   | RPM  |
|------|-------------|------|------|------|
| P1   | XCW16V200ZC | 2394 | 1760 | 1000 |

## Standard Equipments

### Engine and block

Cast iron cylinder block  
Steel forged crankshaft  
Separate cast iron cylinder heads and wet liners  
Aluminium alloy pistons or combined-type pistons with steel crown and aluminum skirt

### 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

### Fuel system

Individual 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  
Monitor on the engine

### Certification

CCS and EIAPP

## Optional Equipments

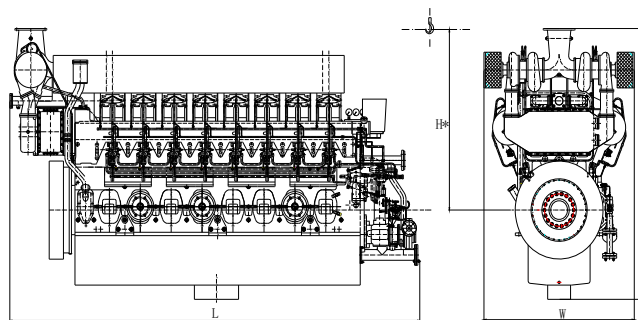
Air starter with storage bottles  
Different harness length of remote monitor

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     | 4604 mm  |
| Width      | 1700 mm  |
| Height     | 2745 mm  |
| Dry Weight | 13680 kg |



### Power definition

Standard ISO 3046/1 -1995(F)

### Reference conditions

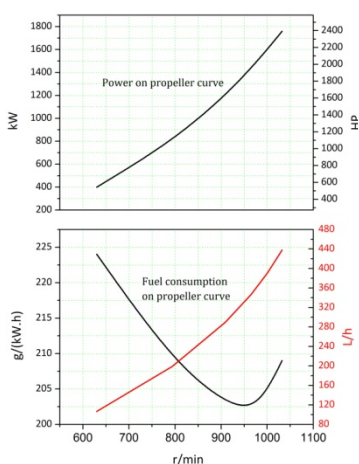
|                       |         |
|-----------------------|---------|
| Ambiant temperature   | 25 °C   |
| Barometric pressure   | 100 kPa |
| Relative humidity     | 30%     |
| Raw water temperature | 25 °C   |

### Fuel oil

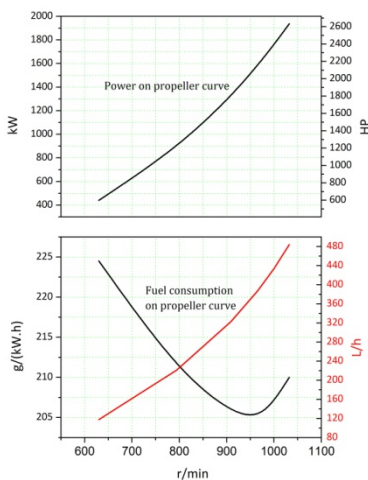
|                        |               |
|------------------------|---------------|
| Relative density       | 0,840 ± 0,005 |
| Lower calorific power  | 42 700 kJ/kg  |
| Consumption tolerances | ± 5 %         |

### Lube oil

|                 |           |
|-----------------|-----------|
| Recommend grade | CD 15W/40 |
|-----------------|-----------|



CW16V200ZC-6



CW16V200ZC-

Distributed By:

Manufacturer: Weichai Power Co., Ltd  
Address: 197 A, Fushou East Street, High-Tech  
Development Zone, Weifang, China  
[www.weichai.com](http://www.weichai.com)

