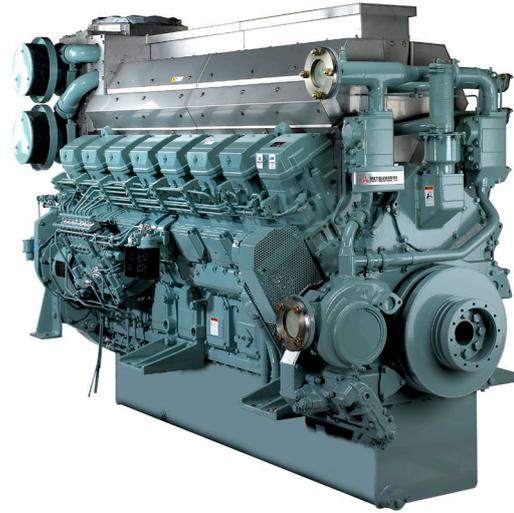


**S16R-MPTAW**  
912 - 1380 kW | PROPULSION  
IMO TIER II

# MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



## ENGINE DATA

|                        |                 |
|------------------------|-----------------|
| Engine model           | S16R-MPTAW      |
| Cylinder configuration | 16/60°V         |
| Total displacement     | 65.37           |
| Bore x stroke (mm)     | 170 x 180       |
| Flywheel and housing   | SAE 21 / SAE 00 |
| Compression ratio      | 14.5:1          |
| Dry weight (kg)        | 6780            |

## Method of operation

4-stroke, water-cooled diesel engine, with direct-injection, turbocharger and air-cooler

## Cooling method

separate high and low temperature cooling circuit; charge air cooler by closed freshwater system controlled by thermostat (intercooler)

## RATING<sup>1,2</sup>

| Rating  | UCD         | UCD   | HD    |
|---|-------------|-------|-------|
| Output (kW)                                     | 912         | 1250  | 1380  |
| Output (bhp)                                    | 1223        | 1676  | 1851  |
| Engine speed (rpm)                              | 1450        | 1600  | 1650  |
| Gross torque (Nm)                               | on request  | 7460  | 7987  |
| Fuel consumption 100% load (g/kWh) <sup>3</sup> | on request  | 217   | 218   |
| Fuel consumption 75% load (g/kWh) <sup>3</sup>  | on request  | 211   | 211   |
| Fuel consumption 50% load (g/kWh) <sup>3</sup>  | on request  | 208   | 209   |
| Average fuel consumption (l/h) <sup>3</sup>     | on request  | 214.1 | 236.6 |
| Emissions                                       | IMO Tier II |       |       |

<sup>1</sup> For rating definitions, please see our website.

<sup>2</sup> Atmospheric condition: barometric pressure: 100kPa, ambient temperature: 298K, relative humidity: 30%.

<sup>3</sup> Fuel consumption is based on ISO3046/1 with +5% tolerance at rated power, weighing 836 g/liter and a LHV of 42,780 kJ/kg, excluding pump. Average fuel consumption recommended by ISO8178 (E3 standard test cycle for propulsion application FPP).

## STANDARD AND OPTIONAL EQUIPMENT

### STANDARD EQUIPMENT

#### Fuel system

- Flexible fuel supply - and return hoses
- Fuel feed pumps
- Fuel fine filters, change-over type
- Fuel injection pumps
- Dual walled high-pressure fuel lines
- Fuel injectors

#### Lubricating oil system

- Wet type oil pan with inspection covers
- Oil pressure pump, gear driven
- Lubricating oil filters, change-over type
- By-pass filter
- Oil cooler with thermostat

#### Starting and electrical system

- Electric starter (Earth floated 24V)
- Alternator, 30 Amps.
- Stop solenoid (ETS)

#### Cooling system

- Freshwater pump including piping and thermostat (HT)
- Cooling water pipe on thermostat housing (HT)
- Front pulley PTO standard

#### Air inlet system

- Mitsubishi turbochargers
- Air inlet silencers with pre-cleaner
- Inlet air aftercoolers or intercoolers
- Inlet manifolds or ducts

#### Exhaust system

- Stainless steel insulation (SOLAS)

#### Other

- Mounting brackets for rigid mounting
- Flywheel and housing, SAE standard
- Torsional vibration damper

#### Fuel system

- Drip tray fuel filters

#### Lubricating oil system

- Pre-lubrication oil system
- Drip tray oil filters

#### Monitoring system

- Complete digital monitoring system
- Sensor package; sensors mounted on engine with terminal box

#### Cooling system

- Cooling system with fresh water pump, V-belt including piping and thermostat (LT)
- Big capacity front PTO
- Cooling water heater with circulation pump

### OPTIONAL EQUIPMENT

#### Classification

We are cooperating with many of the major classification societies.

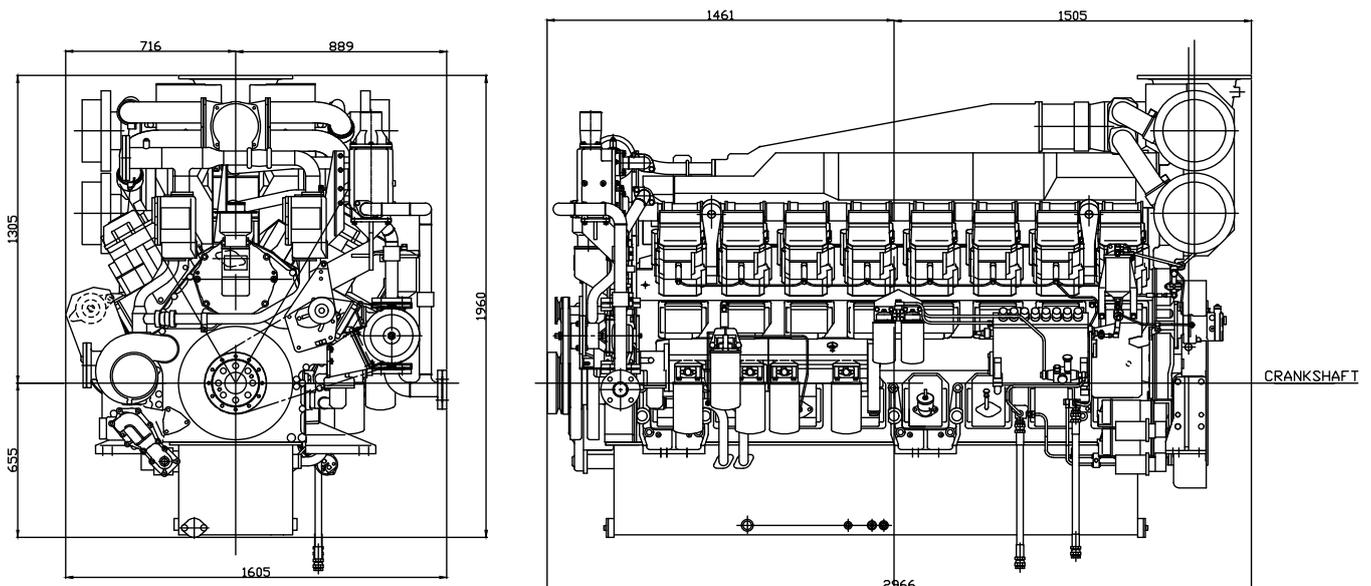
#### Governor (mandatory)

- Hydraulic governor
- Electronic governor (not available for single engine propulsion)

#### Exhaust system

- Flexible expansion joint
- Horizontal exhaust instead of vertical

## DIMENSIONS



### More information

Contact your local dealer for more information regarding Mitsubishi Marine Engines and optional equipment or, visit [www.mtee.eu](http://www.mtee.eu)

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