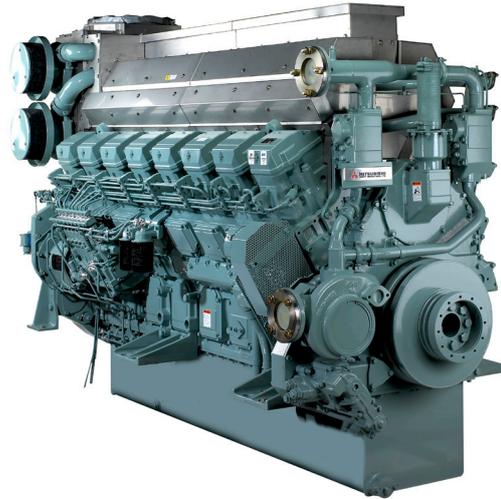


S16R-MPTAW  
1500 - 1690 kW | MARINE GENERATOR  
IMO TIER II

# 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>

Application	Diesel-Electric Propulsion			Auxiliary Generator			Harbour Emergency Generator		
	DEP	DEP	DEP	Prime	Prime	Prime	Prime	Prime	Prime
Output (kW)	1120	1500	1536	1120	1500	1690	1120	1500	1690
Output (bhp)	1502	2012	2060	1502	2012	2265	1502	2012	2265
Engine speed (rpm)	1200	1500	1500	1200	1500	1800	1200	1500	1800
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%.

## 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

- Fresh water 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

#### 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

#### Starting and electrical system

- Air starter motor (30 bar)

#### Cooling system

- Cooling system with freshwater 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, with speed control box

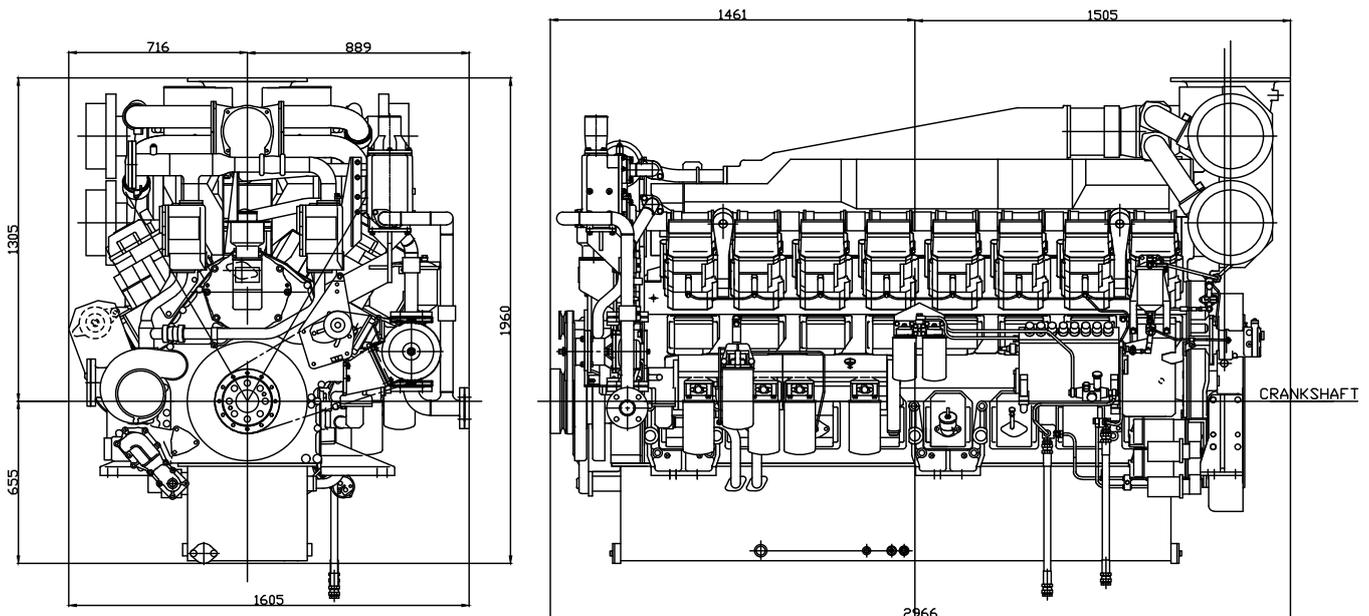
#### Fuel system

- Drip tray fuel filters

#### 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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