MITSUBISHI HEAVY INDUSTRIES

HVO

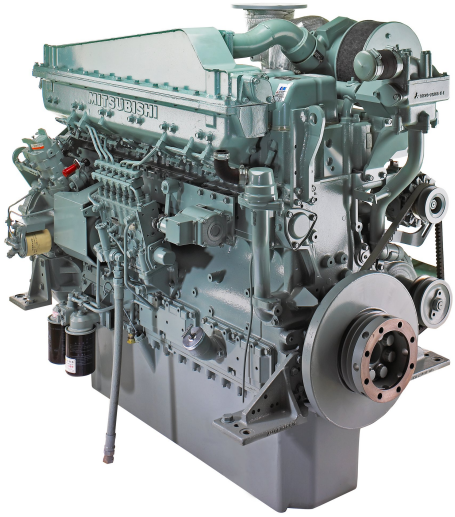
MITSUBISHI MARINE ENGINE

S6B3-T2MPTAW

320–350 kW | Marine Propulsion

IMO-T2 and IMO-T3 (SCR option)*

Reliable mechanical engine



ENGINE DATA			
Engine model	S6B3-T2MPTAW	**Method of operation**	6-cylinder, 4-stroke, water-cooled diesel engine, with direct-injection, turbocharger and air-cooler
Cylinder configuration	6 in-line		
Bore × stroke (mm)	135 x 170		
Total displacement (l)	14.6		
Compression ratio	14.2:1	**Cooling method**	separate high and low temperature cooling circuit; charge air cooler by closed freshwater system controlled by thermostat (intercooler)
Flywheel and housing	SAE 14 / SAE 10		
Dry weight (kg)	1310		
Aspiration	Turbocharged and after-cooled		

RATING [1,2]		
Duty Class	UCD	HD
Output (kW)	320	350
Output (bhp)	429	469
Engine speed (rpm)	1940	2000
Average fuel consumption (l/h)[3]	62.4	—
Running Hours	7000 - unlimited	5000-7000
Propulsion System	CPP/FPP	CPP/FPP
Emissions	IMO-T2 and IMO-T3 (SCR option)*	

1 For rating definitions, please see our website.

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

3 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).

* The SCR after treatment can be provided through our partners. Please contact MTEE for more information.

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STANDARD EQUIPMENT

GOVERNOR (MANDATORY)
- Hydraulic governor

FUEL SYSTEM
- Flexible fuel supply - and return hoses
- Fuel feed pump
- Fuel fine filters, change-over type
- Fuel injection pump
- 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)
- Front pulley PTO standard

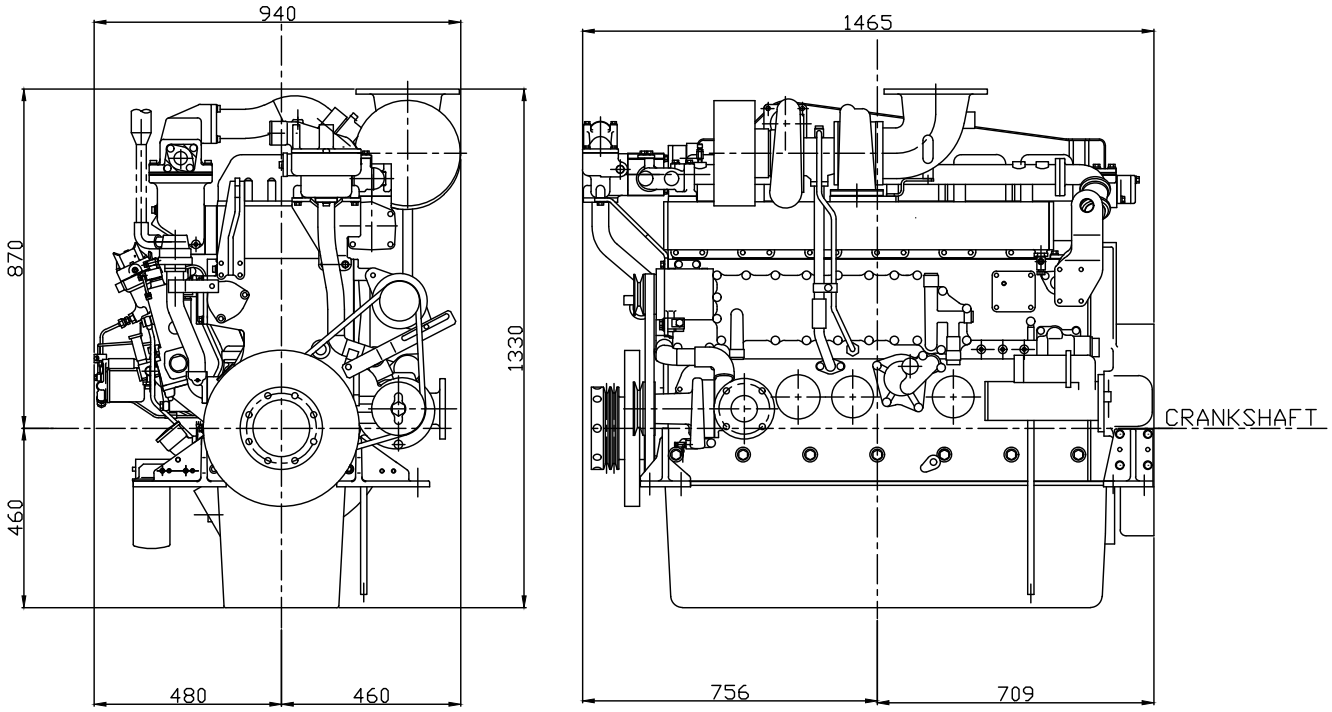
AIR INLET SYSTEM
- Mitsubishi turbocharger
- Air inlet silencer with pre-cleaner
- Inlet air aftercooler or intercooler
- Inlet manifolds or ducts

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

OPTIONAL EQUIPMENT

SCR Aftertreatment
For more details, please see page 3

DIMENSIONS



More information

Contact your local dealer for more information regarding Mitsubishi Marine Engines and optional equipment or, visit **engine-genset.mhi.com**

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OPTIONAL EQUIPMENT

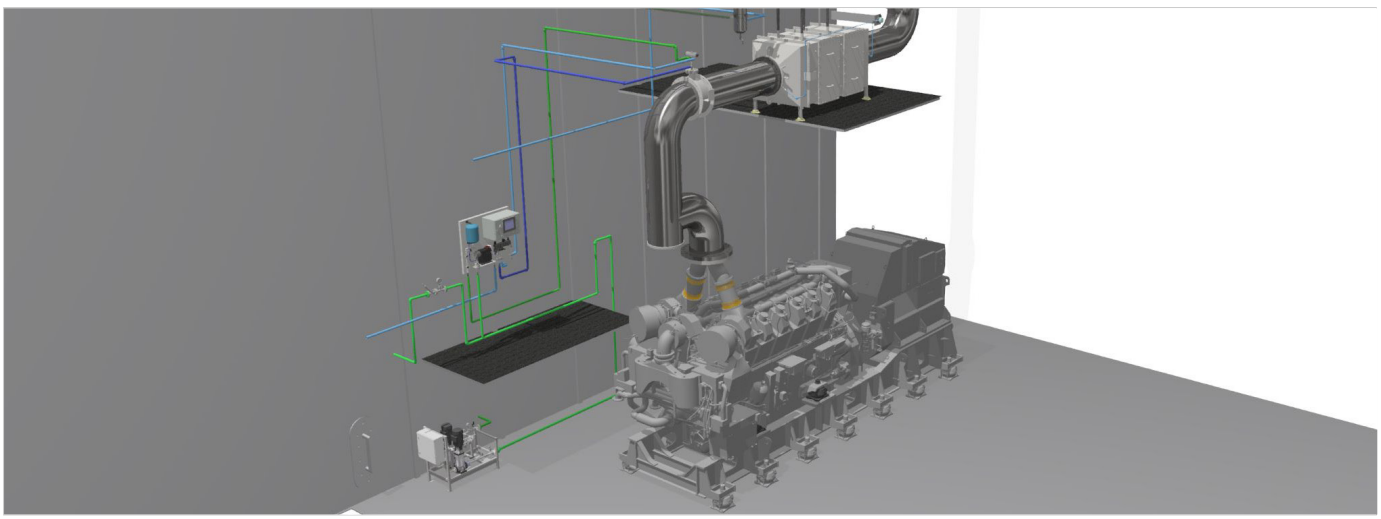
CERTIFICATION / CLASSIFICATION
- Available in cooperation with major classification societies.

EXHAUST SYSTEM
- Stainless steel insulation (SOLAS)
- Flexible expansion joint

SCR AFTER TREATMENT SYSTEM

- SCR reactor
- Injection unit
- Dosing unit
- Shoot blower system
- Control system
- Urea pump unit

DIMENSIONS



Dimensions

Engine L x W x H (mm)	1465 x 873 x 1300
SCR unit (On request) size (excl. insulation) L x W x H (mm)	On request
Mixing pipe requirements diameter (DN)*	On request
Mixing pipe length (mm)*	On request

* Insulation of the SCR system is not included in the scope of supply, to be supplied and installed by the shipyard.

More information

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