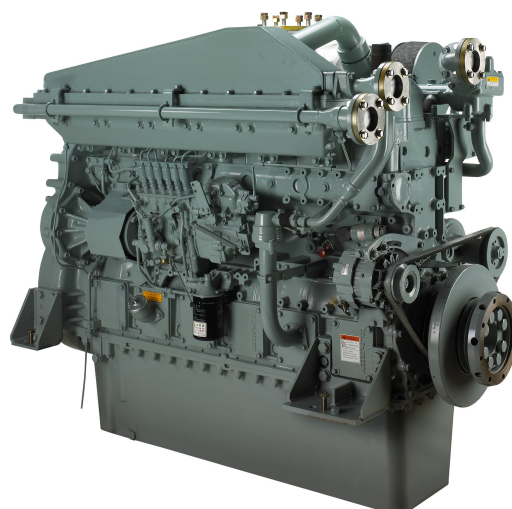


MITSUBISHI MARINE ENGINE

S6A3-MPTAW

221–385 kW | Marine Propulsion
IMO-T2 and IMO-T3 (SCR option)*

Reliable mechanical engine



ENGINE DATA			
Engine model	S6A3-MPTAW	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)	150 x 175		
Total displacement (l)	18.56		
Compression ratio	14.5:1	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)	1900		
Aspiration	Turbocharged and after-cooled		

RATING ^{1,2}				
Duty Class	UCD	MD	UCD	UCD
Output (kW)	221	385	360	333
Output (bhp)	296	516	483	350
Engine speed (rpm)	1530	1800	1840	4000
Gross torque (Nm)	—	—	2600	—
Average fuel consumption (l/h)³	—	—	65.7	—
Running Hours	7000 - unlimited	3000 - 5000	7000 - unlimited	7000 - unlimited
Propulsion System	CPP/FPP	CPP/FPP	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.

STANDARD EQUIPMENT

GOVERNOR (MANDATORY)

- Mechanical governor, RSUV type

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

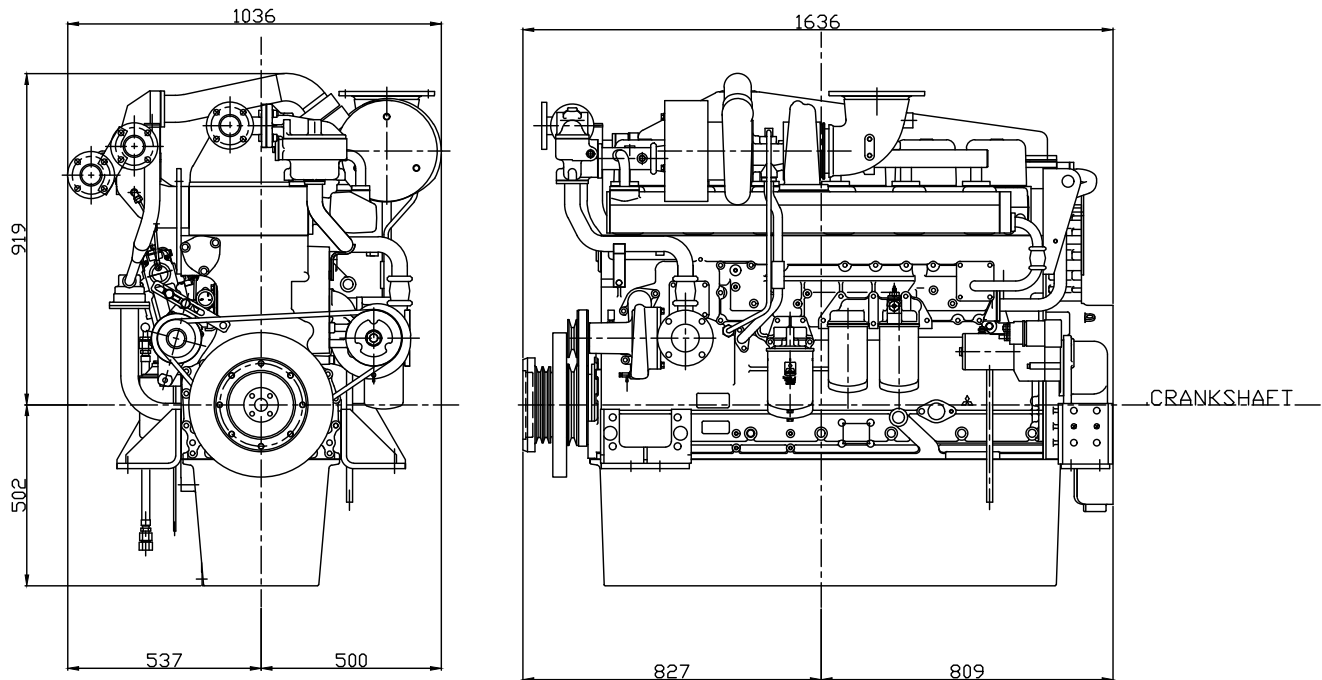
CERTIFICATION / CLASSIFICATION

- Available in cooperation with major classification societies.

EXHAUST SYSTEM

- Stainless steel insulation (SOLAS)
- Flexible expansion joint

DIMENSIONS



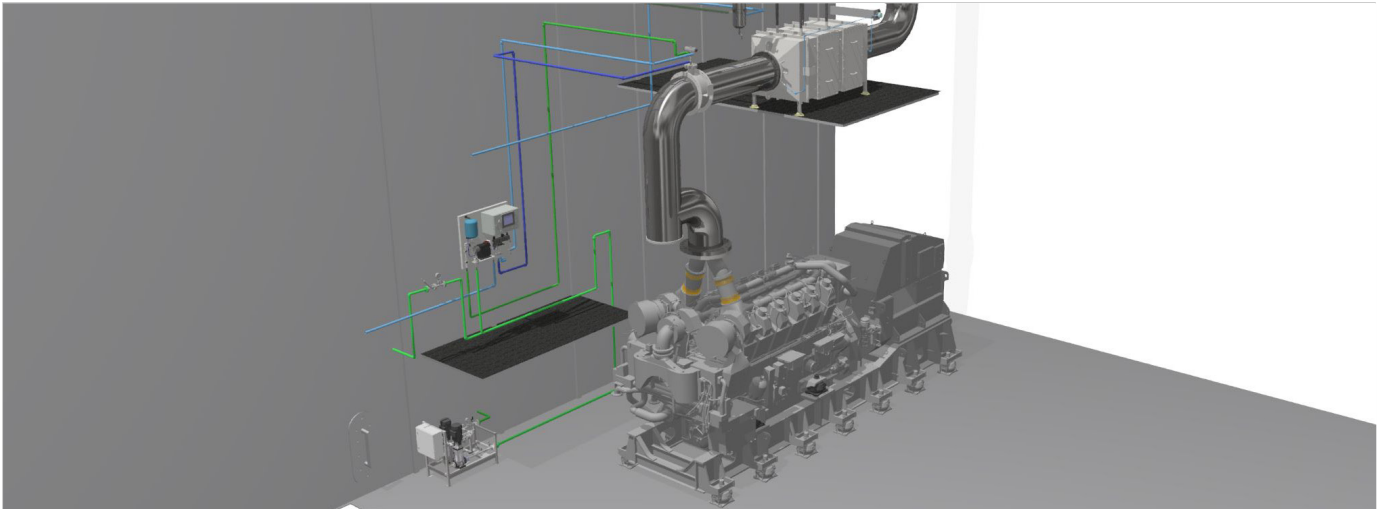
More information

Contact your local dealer for more information regarding Mitsubishi Marine Engines and optional equipment or, visit www.mtee.eu

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)	1636 x 1036 x 1421
SCR unit (SCR25) size [excl. insulation] L x W x H (mm)	893 x 882 x 2349
Mixing pipe requirements diameter (DN)*	400
Mixing pipe length (mm)*	—

* 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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