

S6R2-T2MPTK
640 kW | MARINE GENERATOR
IMO TIER III

MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



ENGINE DATA

Engine model	S6R2-T2MPTK
Cylinder configuration	6 in-line
Total displacement	29.96
Bore x stroke (mm)	170 x 220
Flywheel and housing	SAE 18 / SAE 00
Compression ratio	14.0:1
Dry weight (kg)	2960

Method of operation

4-stroke, water-cooled diesel engine, with direct-injection, turbocharger, air-cooler and exhaust after-treatment by SCR

Cooling method

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

RATING^{1,2}

Application	Diesel-Electric Propulsion	Auxiliary Generator
Rating	DEP	Prime
Output (kW)	640	640
Output (bhp)	858	858
Engine speed (rpm)	1500	1500
Emissions	IMO Tier III	

¹ For rating definitions, please see our website.

² 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 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

- Freshwater 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

Exhaust system

- Stainless steel insulation (SOLAS)

SCR after-treatment system

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

Other

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

Fuel system

- Drip tray fuel filters

Lubricating oil system

- Lubricating oil drain pump
- 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 (LT) without thermostat (LT)
- Heat exchanger and seawater pump
- Cooling water heater with circulation pump

Exhaust system

- Flexible expansion joint

SCR after-treatment system

- Urea pump unit

OPTIONAL EQUIPMENT

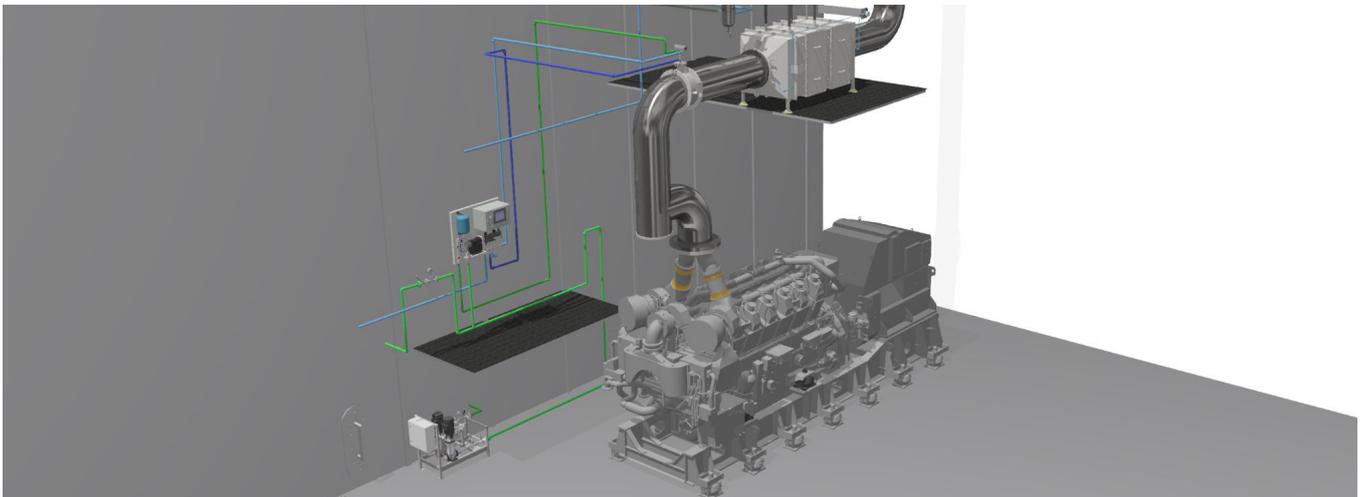
Classification

We are cooperating with many of the major classification societies.

Governor (mandatory)

- Hydraulic governor
- Electronic governor, with speed control box

DIMENSIONS



Dimensions

Engine L x W x H (mm)	1786 x 1220 x 1650
SCR unit (Horizontal or vertical) size (excl. insulation) L x W x H (mm)	893 x 882 x 2349
Mixing pipe requirements diameter (DN)*	400
Mixing pipe length (mm)*	2100

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

More information

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

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