

S6R2-MPTA
485 - 595 kW | MARINE GENERATOR
NOT REGULATED

MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



ENGINE DATA

Engine model	S6R2-MPTA
Cylinder configuration	6 in-line
Total displacement	29.96
Bore x stroke (mm)	170 x 220
Flywheel and housing	SAE 18 / SAE 0
Compression ratio	14.0:1
Dry weight (kg)	2910

Method of operation

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

Cooling method

single cooling circuit; charge air cooler integrated in jacket water system (aftercooler)

RATING^{1,2}

Application	Auxiliary Generator		Emergency Generator	
	Prime	Prime	Prime	Prime
Output (kW)	485	595	485	595
Output (bhp)	650	798	650	798
Engine speed (rpm)	1200	1500	1200	1500
Gross torque (Nm)	393	386	393	386
Fuel consumption 100% load (g/kWh) ³	194	220	194	220
Fuel consumption 75% load (g/kWh) ³	200	237	200	237
Fuel consumption 50% load (g/kWh) ³	213	227	213	227
Average fuel consumption (l/h) ³	57.9	77.9	57.9	77.9
Emissions	not regulated			

¹ For rating definitions, please see our website.

² Atmospheric condition: barometric pressure: 100kPa, ambient temperature: 298K, 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).

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

- 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

Exhaust system

- Stainless steel insulation (SOLAS)

Other

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

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 fresh water 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

OPTIONAL EQUIPMENT

Classification

We are cooperating with many of the major classification societies.

Governor (mandatory)

- Hydraulic governor
- Electronic governor, with speed control box

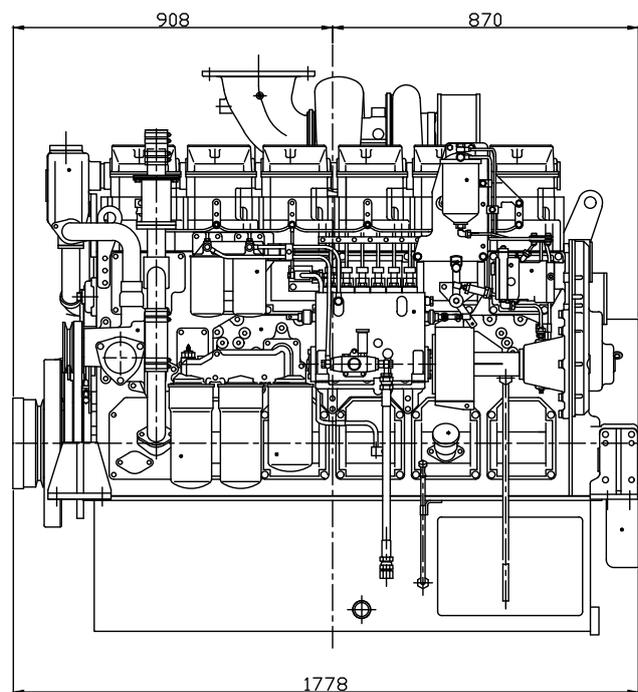
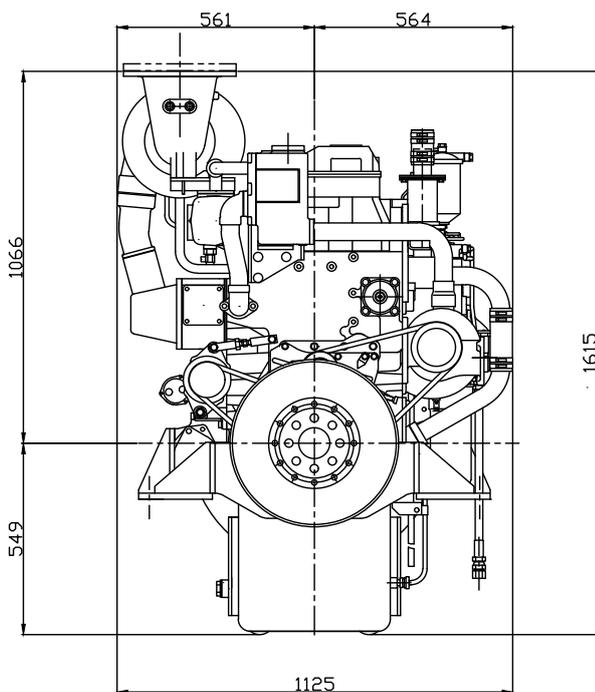
Fuel system

- Drip tray fuel filters

Lubricating oil system

- Lubricating oil drain pump
- Pre-lubrication oil system
- Drip tray oil filters

DIMENSIONS



More information

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