

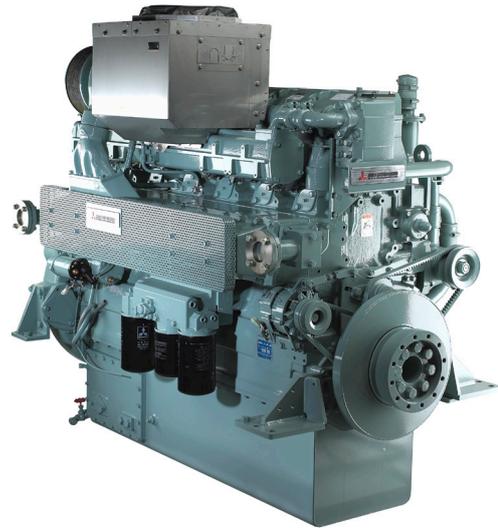
S6R-MPTAW

545 - 635 kW | MARINE GENERATOR

IMO TIER II

MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



ENGINE DATA

Engine model	S6R-MPTAW
Cylinder configuration	6 in-line
Total displacement	24.51
Bore x stroke (mm)	170 x 180
Flywheel and housing	SAE 18 / SAE 00
Compression ratio	14.5:1
Dry weight (kg)	2830

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^{1,2}

Application	Diesel-Electric Propulsion		Auxiliary Generator		Harbour Emergency Generator	
	DEP	DEP	Prime	Prime	Prime	Prime
Rating						
Output (kW)	545	577	545	635	545	577
Output (bhp)	731	774	731	851	731	774
Engine speed (rpm)	1500	1800	1500	1800	1500	1800
Gross torque (Nm)	3470	on request	3470	3369	3470	on request
Fuel consumption 100% load (g/kWh) ³	208	on request	208	224	208	on request
Fuel consumption 75% load (g/kWh) ³	208	on request	208	221	208	on request
Fuel consumption 50% load (g/kWh) ³	214	on request	214	230	214	on request
Emissions	IMO Tier II					

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

- 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)

Other

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

- Drip tray oil filters
- Breather kit for emergency gensets

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 and thermostat (LT)
- 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

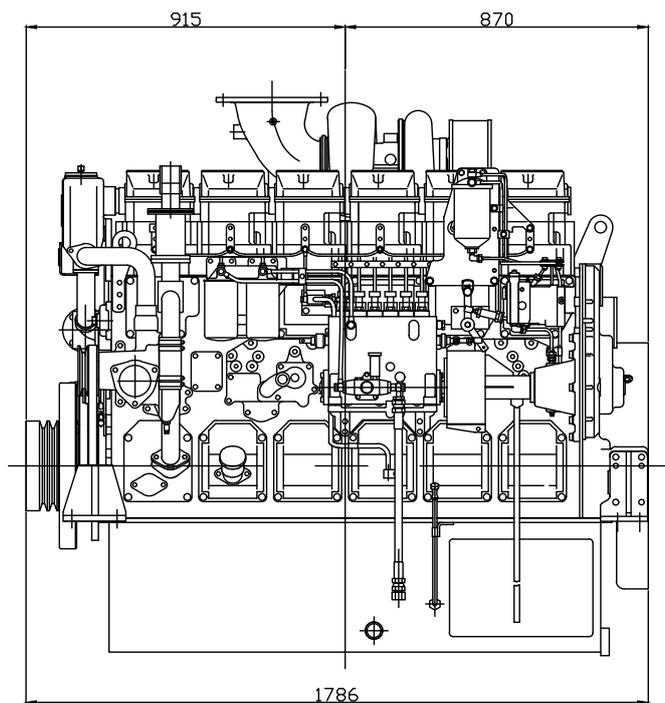
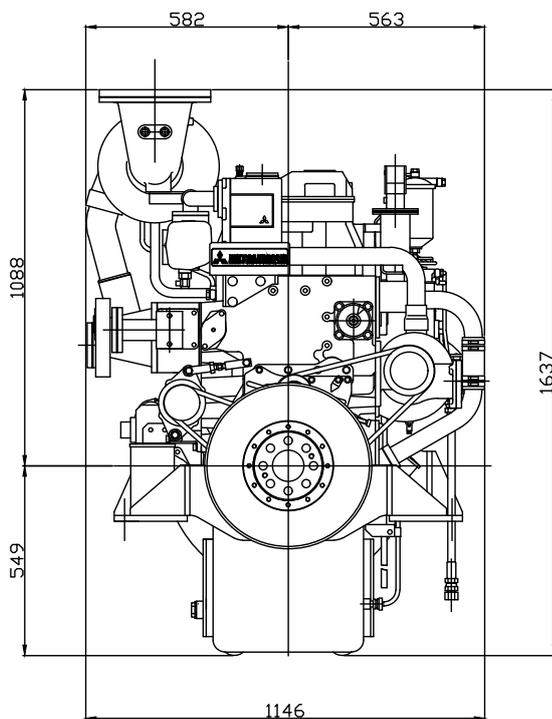
Lubricating oil system

- Lubricating oil drain pump
- Pre-lubrication oil system

Exhaust system

- 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

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