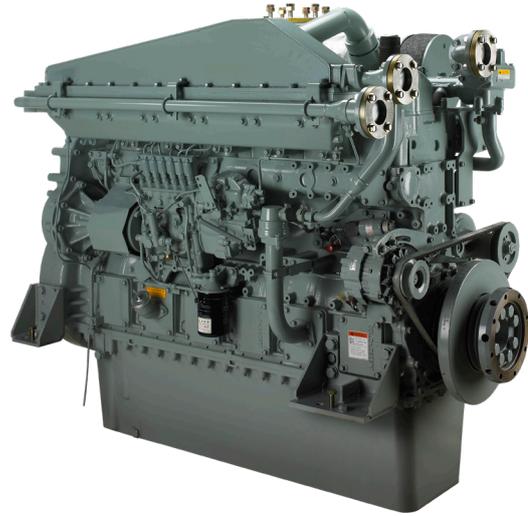


S6A3-MPTA
 400 - 460 kW | MARINE GENERATOR
 NOT REGULATED

MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



ENGINE DATA

Engine model	S6A3-MPTA
Cylinder configuration	6 in-line
Total displacement	18.56
Bore x stroke (mm)	150 x 175
Flywheel and housing	SAE 14 / SAE 10
Compression ratio	14.5:1
Dry weight (kg)	1850

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)	400	460	400	460
Output (bhp)	536	617	536	617
Engine speed (rpm)	1500	1800	1500	1800
Gross torque (Nm)	260	249	260	249
Fuel consumption 100% load (g/kWh) ³	216	213	216	213
Fuel consumption 75% load (g/kWh) ³	216	212	216	212
Fuel consumption 50% load (g/kWh) ³	220	224	220	224
Average fuel consumption (l/h) ³	49.4	57.8	49.4	57.8
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

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

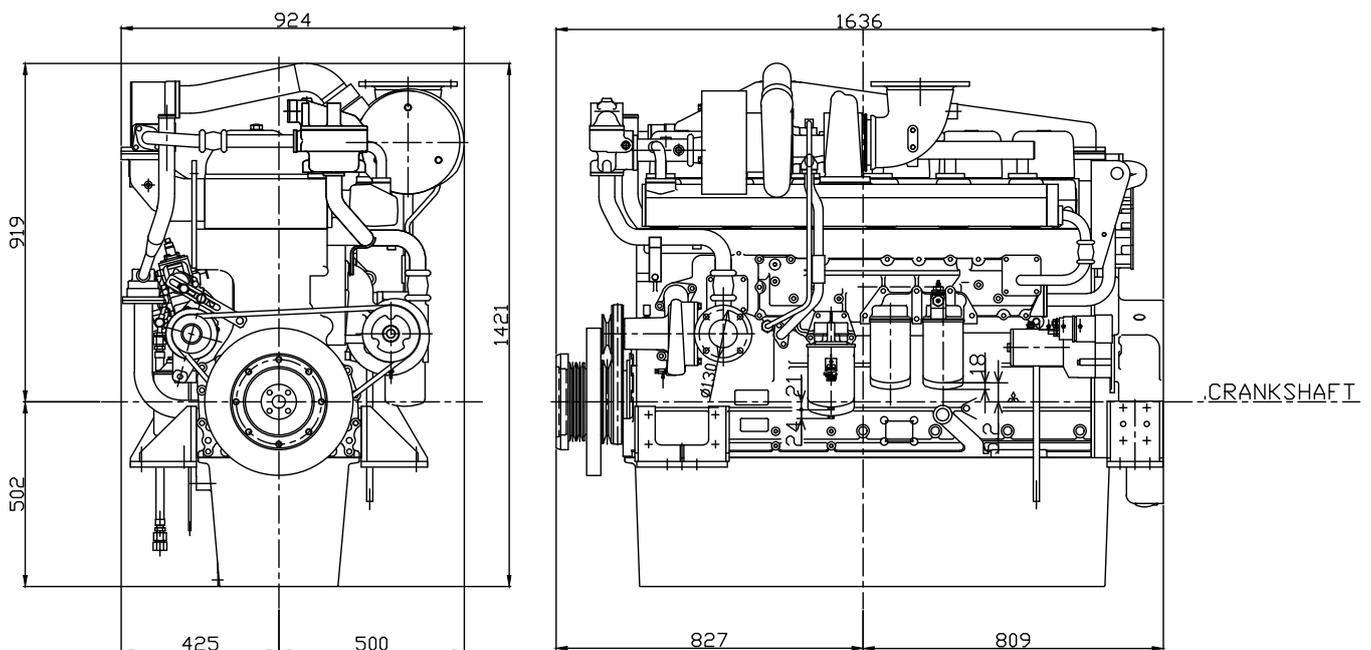
Classification

We are cooperating with many of the 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

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