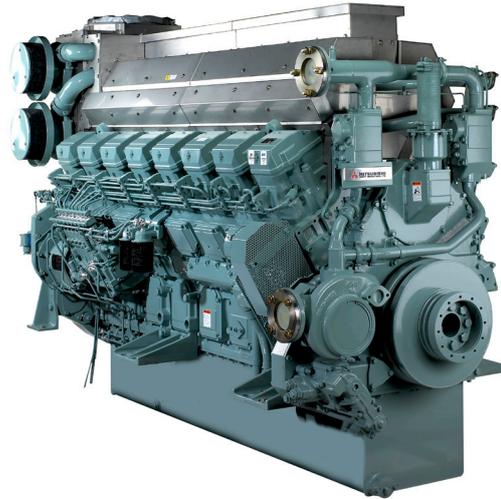


S16R-MPTA
1480 - 1590 kW | MARINE GENERATOR
NOT REGULATED

MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



ENGINE DATA

Engine model	S16R-MPTA
Cylinder configuration	16/60°V
Total displacement	65.37
Bore x stroke (mm)	170 x 180
Flywheel and housing	SAE 21 / SAE 00
Compression ratio	14.0:1
Dry weight (kg)	6660

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
Rating				
Output (kW)	1480	1590	1480	1590
Output (bhp)	1985	2132	1985	2132
Engine speed (rpm)	1500	1800	1500	1800
Gross torque (Nm)	961	860	961	860
Fuel consumption 100% load (g/kWh) ³	206	213	206	213
Fuel consumption 75% load (g/kWh) ³	207	215	207	215
Fuel consumption 50% load (g/kWh) ³	215	226	215	226
Average fuel consumption (l/h) ³	177.9	200.9	177.9	200.9
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 pumps
- Fuel fine filters, change-over type
- Fuel injection pumps
- 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)
- Cooling water pipe on thermostat housing (HT)
- Front pulley PTO standard

Air inlet system

- Mitsubishi turbochargers
- Air inlet silencers with pre-cleaner
- Inlet air aftercoolers or intercoolers
- Inlet manifolds or ducts

Exhaust system

- Stainless steel insulation (SOLAS)

Other

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

Lubricating oil system

- Pre-lubrication oil system
- Drip tray oil filters

Monitoring system

- Complete digital monitoring system
- Sensor package; sensors mounted on engine with terminal box

Starting system

- Air starter motor (30 bar) (AUX)

Cooling system

- Cooling system with fresh water pump, V-belt including piping and thermostat (LT)
- Big capacity front PTO
- 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

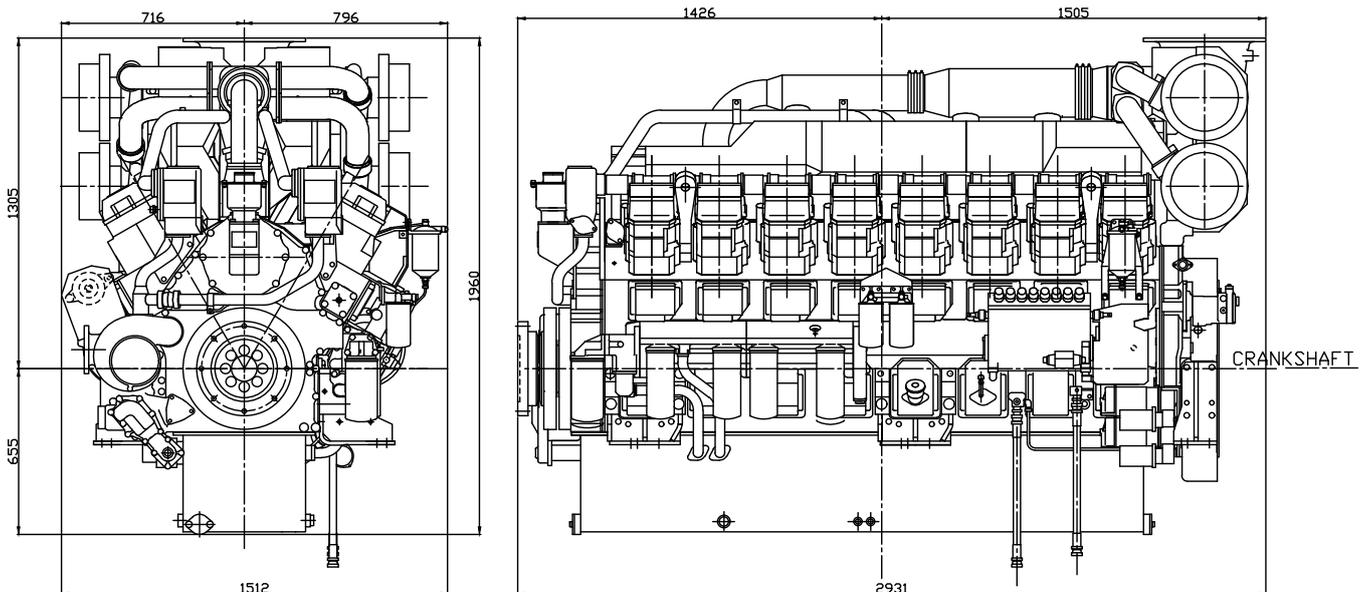
Fuel system

- Drip tray fuel filters

Exhaust system

- Flexible expansion joint
- Horizontal exhaust instead of vertical

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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