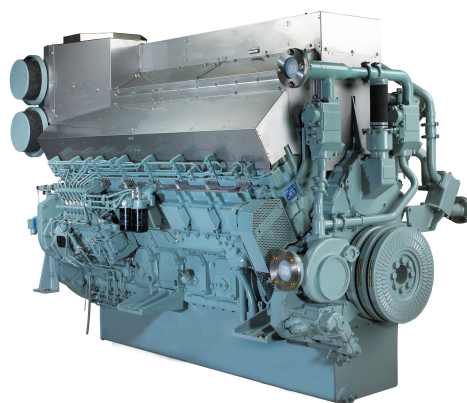


MITSUBISHI MARINE ENGINE

S16R2-T2MPTAW

1450–1885 kW | Marine Propulsion

IMO-T2 and IMO-T3 (SCR option)*

Reliable mechanical engine


ENGINE DATA			
Engine model	S16R2-T2MPTAW	Method of operation	16-cylinder, 4-stroke, water-cooled diesel engine, with direct-injection, turbocharger and air-cooler
Cylinder configuration	16/60°V		
Bore × stroke (mm)	170 x 220		
Total displacement (l)	79.9		
Compression ratio	14.0:1	Cooling method	separate high and low temperature cooling circuit; charge air cooler by closed freshwater system controlled by thermostat (intercooler)
Flywheel and housing	SAE 21 / SAE 00		
Dry weight (kg)	7750		
Aspiration	Turbocharged and after-cooled		

RATING ^{1,2}			
Duty Class	UCD	HD	MD
Output (kW)	1450	1600	1885
Output (bhp)	1943	2144	2526
Engine speed (rpm)	1350	1400	1500
Running Hours	7000 - unlimited	5000-7000	3000 - 5000
Propulsion System	CPP/FPP	CPP/FPP	CPP/FPP
Emissions	IMO-T2 and IMO-T3 (SCR option)*		

¹ For rating definitions, please see our website.

² Atmospheric condition: barometric pressure: 100 kPa, ambient temperature: 298 K, relative humidity: 30%.

* The SCR after treatment can be provided through our partners. Please contact MTEE for more information.

STANDARD EQUIPMENT

GOVERNOR (MANDATORY)

- Hydraulic governor

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
- Big capacity front PTO
- Cooling water pipe on thermostat housing (HT)

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

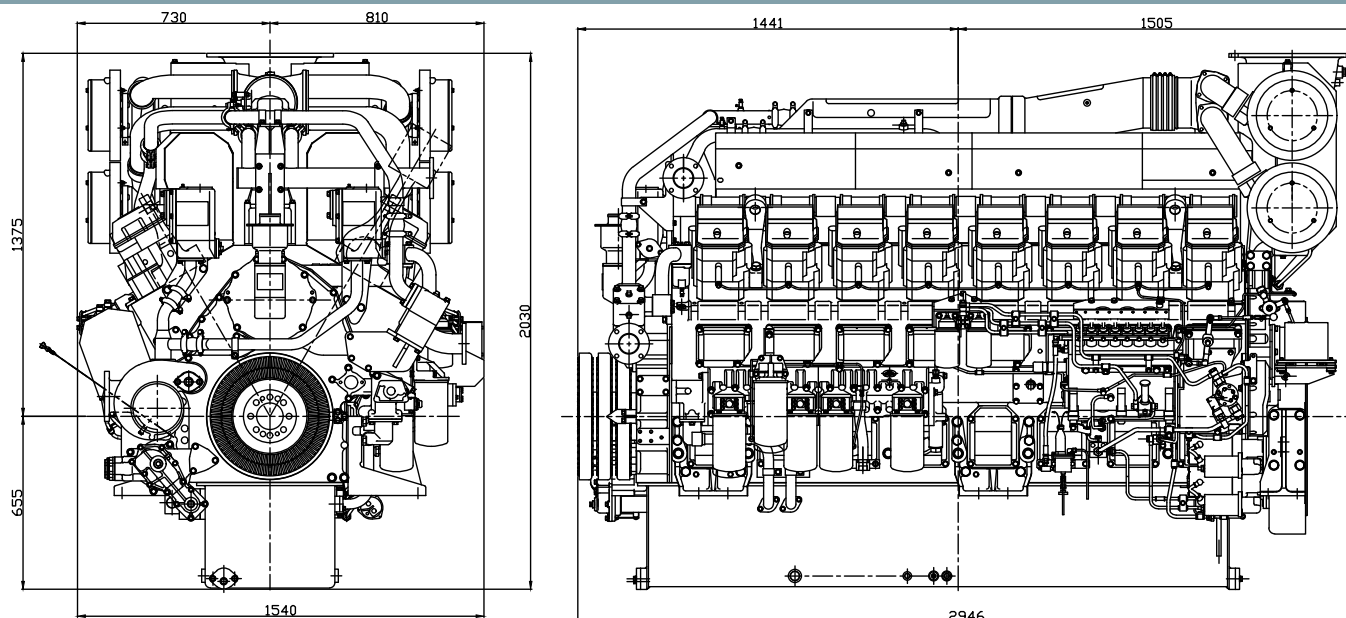
- Mounting brackets for rigid mounting
- Flywheel and housing, SAE standard
- Torsional vibration damper

OPTIONAL EQUIPMENT

SCR Aftertreatment

For more details, please see page 3

DIMENSIONS



More information

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

OPTIONAL EQUIPMENT

CERTIFICATION / CLASSIFICATION

- Available in cooperation with major classification societies.

GOVERNOR (MANDATORY)

- Electronic governor (not available for single engine propulsion)

FUEL SYSTEM

- Drip tray fuel filters

LUBRICATING OIL SYSTEM

- Drip tray oil filters
- Pre-lubrication oil system

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 water heater with circulation pump

EXHAUST SYSTEM

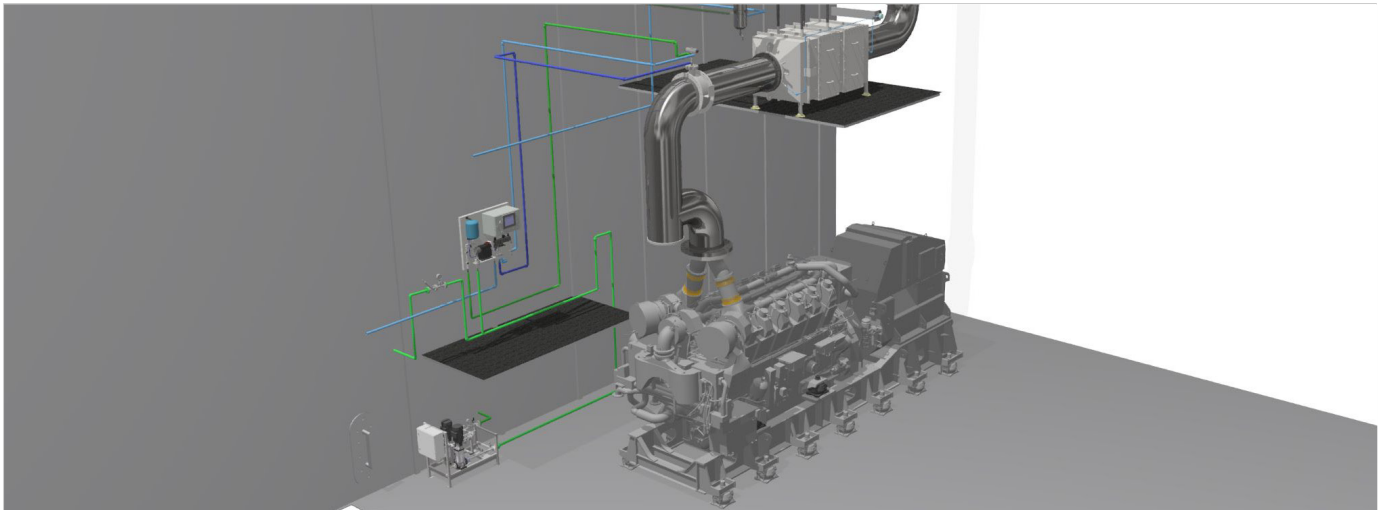
- Flexible expansion joint
- Horizontal exhaust instead of vertical

SCR AFTER TREATMENT SYSTEM

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

- Urea pump unit

DIMENSIONS



Dimensions

Engine L x W x H (mm)	2946 x 1525 x 2030
SCR unit (SCR49) size [excl. insulation] L x W x H (mm)	1195 x 1190 x 2658
Mixing pipe requirements diameter (DN)*	600
Mixing pipe length (mm)*	2600

* 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