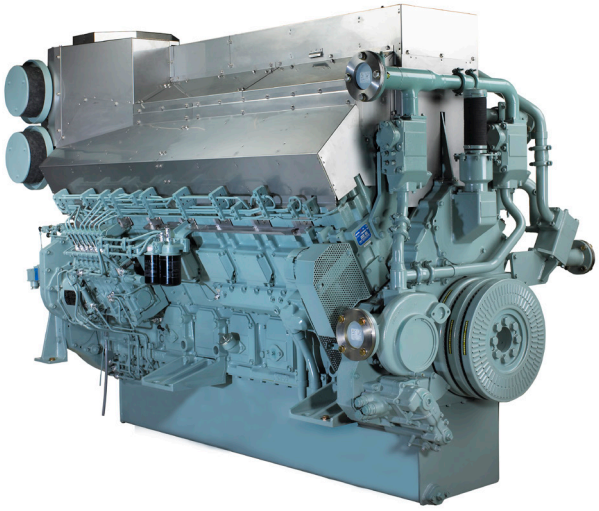
MITSUBISHI HEAVY INDUSTRIES

S16R2-T2MPTAW

1568 - 1960 kW | MARINE GENERATOR
IMO TIER III

MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



ENGINE DATA	
Engine model	S16R2-T2MPTAW
Cylinder configuration	16/60°V
Total displacement	79.9
Bore x stroke (mm)	170 x 220
Flywheel and housing	SAE 21 / SAE 00
Compression ratio	14.0:1
Dry weight (kg)	7750

Method of operation	4-stroke, water-cooled diesel engine, with direct-injection, turbocharger, air-cooler and exhaust after-treatment by SCR
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	
Rating	DEP	DEP	Prime	Prime
Output (kW)	1568	1960	1568	1960
Output (bhp)	2102	2628	2102	2627
Engine speed (rpm)	1200	1500	1200	1500
Emissions	IMO Tier III			

[1] For rating definitions, please see our website.
[2] Atmospheric condition: barometic pressure: 100kPa, ambient temperature: 298K, relative humidity: 30%.

MOVE THE WORLD FORWARD MITSUBISHI HEAVY INDUSTRIES GROUP

MITSUBISHI HEAVY INDUSTRIES

STANDARD AND OPTIONAL EQUIPMENT

STANDARD EQUIPMENT

Governor (mandatory)
- Electronic governor, with speed control box

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 system
- Electric starter (Earth floated 24V)
- Alternator, 30 Amps.
- Stop solenoid (ETS)

Cooling system
- Freshwater pump including piping and thermostat (HT)
- Cooling water pipe on thermostat housing (HT)
- Big capacity front PTO

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)

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

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.

Fuel system
- Drip tray fuel filters

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

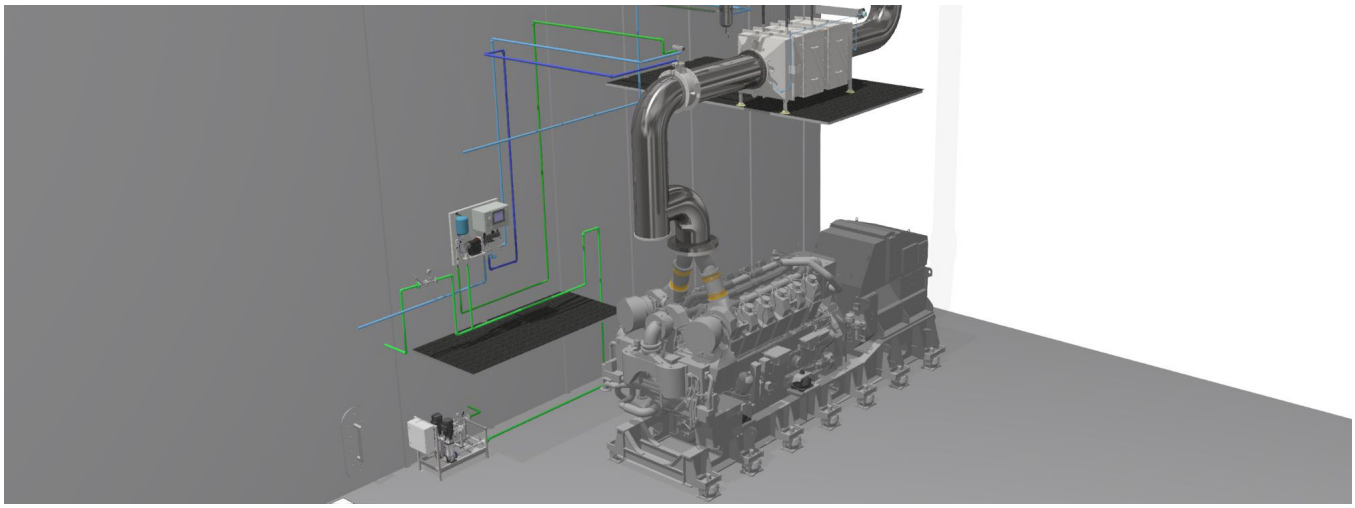
Starting and electrical system
- Air starter motor (30 bar)

Cooling system
- Cooling water heater with circulation pump

Exhaust system
- Flexible expansion joint

SCR after-treatment system
- Urea pump unit

DIMENSIONS



Dimensions

Engine L x W x H (mm)	2946 x 1525 x 2030
SCR unit (Horizontal or vertical) 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

MOVE THE WORLD FORWARD MITSUBISHI HEAVY INDUSTRIES GROUP

CS-M-S16R2-T2MPTAW-2102V1.0