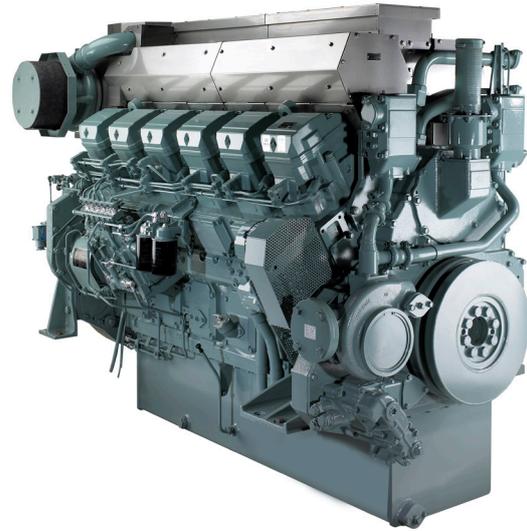


S12R-MPTAW
 588 - 1040 kW | PROPULSION
 IMO TIER II

MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



ENGINE DATA

Engine model	S12R-MPTAW
Cylinder configuration	12/60°V
Total displacement	49.03
Bore x stroke (mm)	170 x 180
Flywheel and housing	SAE 21 / SAE 00
Compression ratio	14.5:1
Dry weight (kg)	5320

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}

Rating	UCD	UCD	UCD	UCD	UCD	HD
Output (kW)	588	696	749	749	940	1040
Output (bhp)	789	933	1004	1004	1261	1395
Engine speed (rpm)	1400	1500	1500	1600	1600	1650
Emissions	IMO Tier II					

¹ For rating definitions, please see our website.

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

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

- Freshwater 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

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

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.

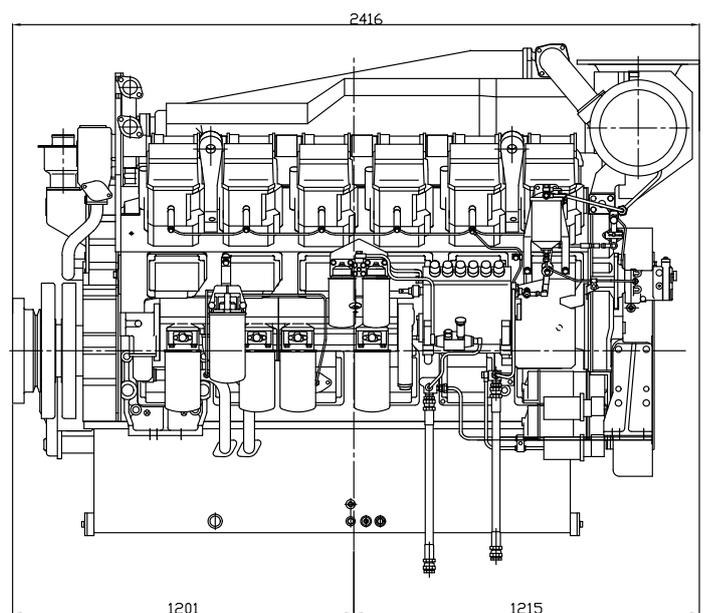
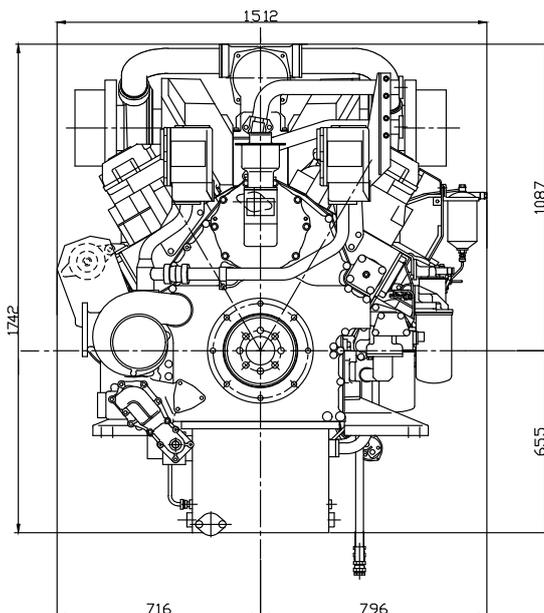
Governor (mandatory)

- Hydraulic governor
- Electronic governor (not available for single engine propulsion)

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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