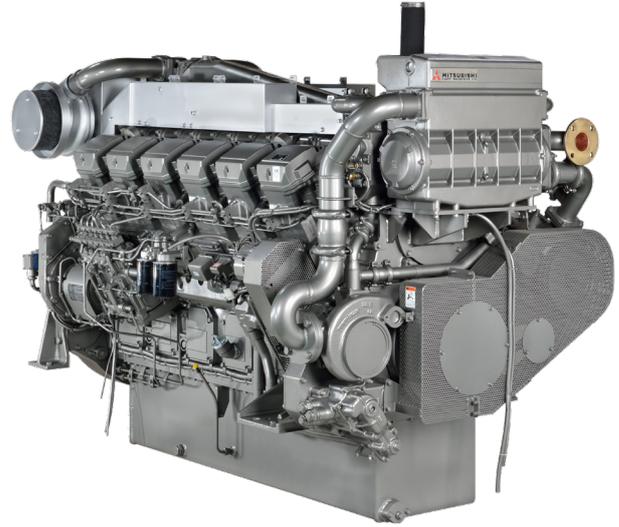


S12R-T2MPTK (PACKAGE)

940 - 1210 kW | PROPULSION
IMO TIER II

MITSUBISHI MARINE ENGINE

RELIABLE MECHANICAL ENGINE



ENGINE DATA

Engine model	S12R-T2MPTK (package)
Cylinder configuration	12/60°V
Total displacement	49
Bore x stroke (mm)	170 x 180
Flywheel and housing	SAE 21 / SAE 00
Compression ratio	14.5:1
Dry weight (kg)	5500

Method of operation

4-stroke, water-cooled diesel engine, with direct-injection, turbocharger, air-cooler, built-up heat exchanger and sea water pump

Cooling method

separate high and low temperature cooling circuit; charge air cooler directly cooled by sea water (intercooler)

RATING^{1,2}

Rating	UCD	HD	MD
Output (kW)	940	1040	1210
Output (bhp)	1261	1395	1623
Engine speed (rpm)	1600	1650	1800
Average fuel consumption (l/h) ³	155.9	173	203.6
Emissions	IMO Tier II		

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)

- Hydraulic governor, woodward type PSG

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
- Fuel oil / water separator (filter)

Lubricating oil system

- Oil drain connection
- 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
- Piston cooling through oil injectors
- Lubricating oil drain pump (wing pump)

Starting and electrical system

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

Cooling system

- Heat exchanger / header tank, mounted on engine, including piping and level switch and seawater pump (TK)
- Flexible pipe sets for seawater
- Sea water filter

Air inlet system

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

Exhaust system

- Flexible expansion joint

Other

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

Monitoring system

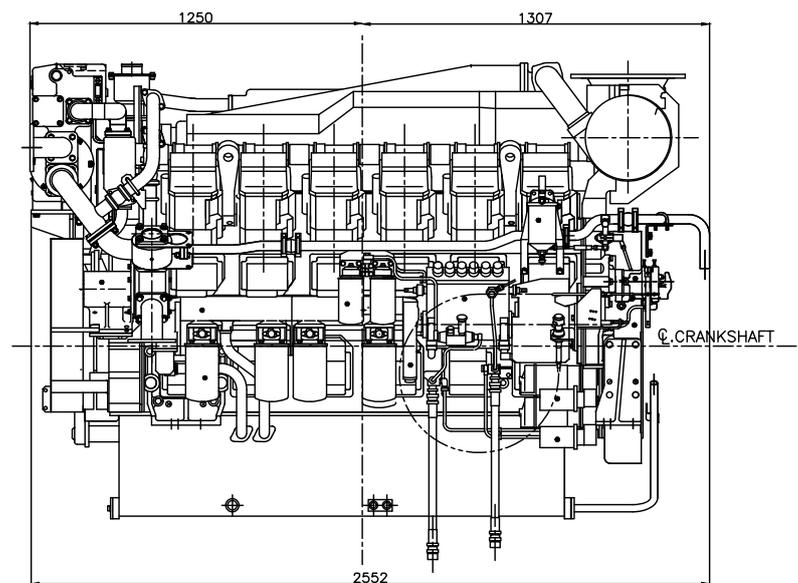
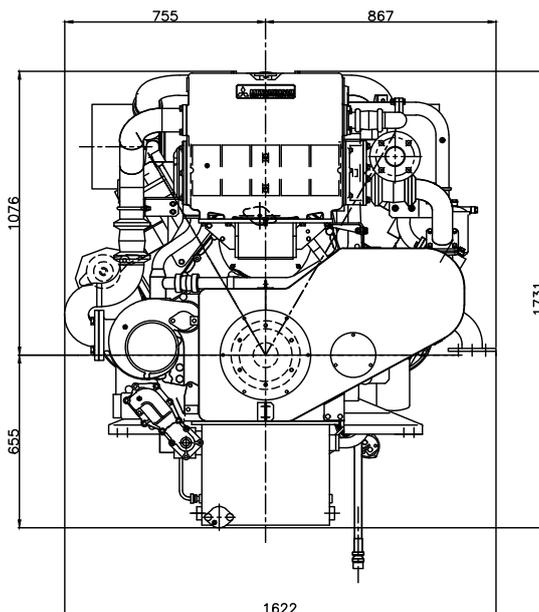
- Monitoring system (incl. sensors on engine, wiring to junction box, 1 x engine room panel, 1 wheel house panel)

OPTIONAL EQUIPMENT

Classification

We are cooperating with many of the major classification societies.

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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