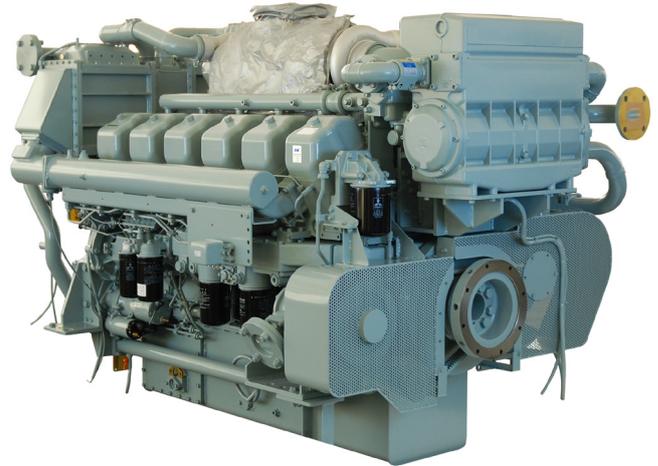


## S12A2-T2MPTK (PACKAGE)

701 - 776 kW | PROPULSION  
IMO TIER II

# MITSUBISHI MARINE ENGINE

### RELIABLE MECHANICAL ENGINE



#### ENGINE DATA

Engine model	S12A2-T2MPTK (package)
Cylinder configuration	16/60°V
Total displacement	33.9
Bore x stroke (mm)	150 x 160
Flywheel and housing	SAE 18 / SAE 0
Compression ratio	14.5:1
Dry weight (kg)	3820

#### 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<sup>1,2</sup>

Rating	UCD	HD
Output (kW)	701	776
Output (bhp)	940	1041
Engine speed (rpm)	1800	1860
Average fuel consumption (l/h) <sup>3</sup>	121.9	134.4
Emissions	IMO Tier II	

<sup>1</sup> For rating definitions, please see our website.

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

<sup>3</sup> 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

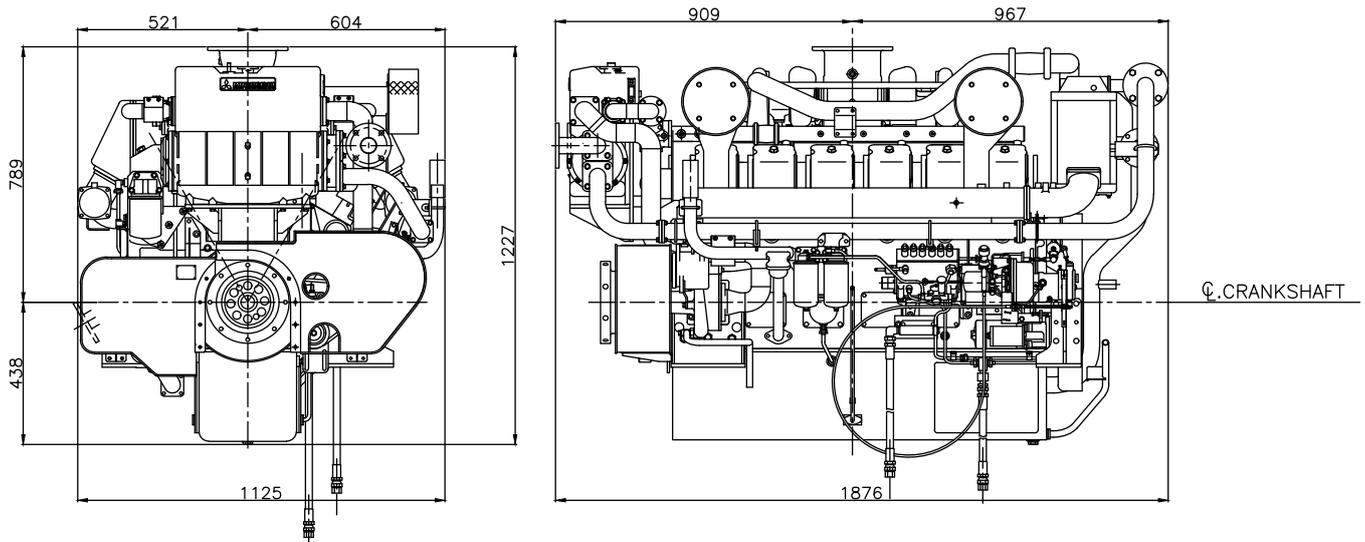
- Monitoring system (incl. sensors on engine, wiring to junction box, 1 x engine room panel, 1 wheel house panel)

### 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](http://www.mtee.eu)

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