**Economic Operation**
All Mitsubishi engines are designed and built to deliver performance as well as fuel efficiency. From the combustion chamber design to the fuel injection technology, to the turbocharger and the advanced cooling system...everything has been perfectly balanced to provide a highly economic operation and optimum fuel consumption across the entire power curve.

**Easy Maintenance**
With Mitsubishi’s S12R marine engine, maintenance is very easy. Each cylinder has its own cylinder head and the engine has large inspection covers on the crankcase. No auxiliary component requires separate lubrication, whether it’s the fuel injection pump, the governor, the water pump or the turbocharger.

**Approved by All Major Classification Societies**
At our ISO certified manufacturing facilities, every Mitsubishi S12R diesel engine is built to meet the highest quality standards. All major marine classification societies, as recognized by Lloyd’s Register of Shipping and other major international marine classifications.

**Environmental Compatibility**
Mitsubishi offers a full line-up of engines that comply with IMO and EPA emissions standards.

**Local Support Around The Globe**
A team of support specialists is available worldwide to ensure that service and maintenance are performed without delay.
Type
4-cycle, watercooled, turbocharged diesel engine
MPTK with intercooler, cooled by fresh water of max 38°C

Combustion System
Direct Injection
60° V, 12-Cylinder

Cylinder Arrangement
Bore x Stroke - inches (mm)
6.69 (170) x 7.09 (180)

Total Displacement - in³ (ltr)
2,992 (49.0)

Compression Ratio
14.5 : 1

Rotation
SAE Standard (Counter-Clockwise Viewed from Flywheel End)

Starting System
Electric Motor, 24 Volt - 7.5kW (x2)

Flywheel
SAE 21

Flywheel Housing
SAE #00

Fuel Oil
Diesel Fuel, ASTM D975, No. 1-D, No. 2-D

Dry Weight - lbs (kg)
11,731 (5320)

Output Marine Propulsion

Heavy Duty

Medium Duty

HP (kWm) @ RPM
1260 (940) @ 1600
1394 (1040) @ 1640

Outside Dimensions

Dimensions in millimeters (1 inch = 25.4mm)

General Dimensions for reference only, not to be used for installation. See specific model drawings for further details.

Standard Engine Equipment

Fuel System
Flexible fuel supply and return hoses, fuel feed pumps, MHI fuel injection pumps, single-wall fuel injection lines, fuel injectors, overflow valve.

Lubricating Oil System
Wet type oil pan, oil pressure pump (gear driven), full-flow lubricating oil filters, by-pass filter, oil cooler with thermostat, piston cooling through oil injectors.

Cooling System
Fresh water pump, thermostats with bypass

24 Volt Electric System Earth Floated
Starter motors (2 x 7.5kW), battery charging alternator (30 amp), energize-to-stop (ETS) stop solenoid

Air Intake and Exhaust System
Mitsubishi turbochargers with vertical exhaust outlet, air inlet silencers with pre-cleaner, inlet air aftercoolers or intercoolers, inlet manifolds, dry

General
Hydraulic Woodward PSG governor with oil supply system, mounting brackets, flywheel and housing SAE standard, torsional vibration damper, parts catalog and owners manual

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