

S16R

OUTPUT · MARINE AUXILIARY · 1480~1690 kW
OUTPUT · MARINE PROPULSION · 1170~1610 kW



MARINE PROPULSION AND AUXILIARY ENGINES

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 S16R 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 S16R diesel engine is built to meet the highest quality standards. All major marine classification societies, as well as the national shipping authorities, recognize the precision of Mitsubishi's manufacturing procedures.

Environmental Compatibility

Mitsubishi offers a full compliment of engines meeting both 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.

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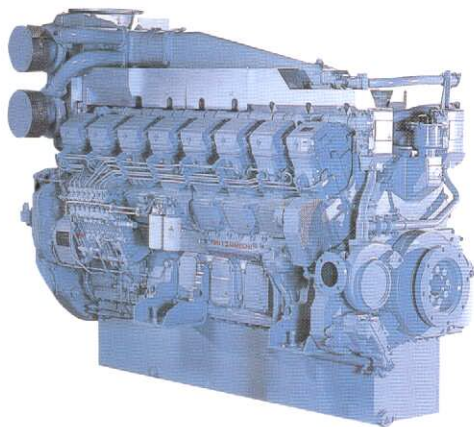


MITSUBISHI MARINE

S16R

-Y1MPTA

-Y1MPTK



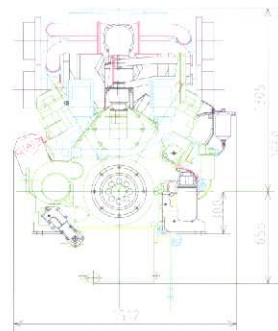
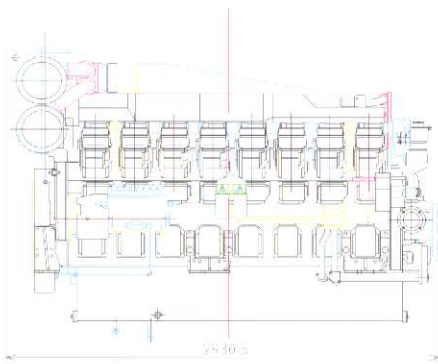
EPA CERTIFIED

Photos may show optional equipment

Type	4-cycle, watercooled, turbocharged diesel engine Y1MPTA with aftercooler, cooled by engine jacket water Y1MPTK with intercooler, cooled by (sea) water of max 32°C	
Combustion System	Direct Injection	
Configuration	60°V, 16 Cylinder	
Bore x Stroke - inches (mm)	6.69 (170) x 7.09 (180)	
Total Displacement - in ³ (ltr)	3989 (65.37)	
Compression Ratio	14.0 : 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	ASTM, D975 No. 1-D, No. 2-D	
Lubricating Oil	API Service Grade 'CD' Class	
Dry Weight (lbs.)	14.685	14.950
Output Marine Auxiliary	Hp (kWm) @ RPM	Hp (kWm) @ RPM
	1984 (1480) @ 1500	2011 (1500) @ 1500
	2131 (1590) @ 1800	2265 (1690) @ 1800
Output Marine Propulsion	Hp (kWm) @ RPM	Hp (kWm) @ RPM
Heavy Duty	1568 (1170) @ 1600	1676 (1250) @ 1600
Medium Duty	1729 (1290) @ 1650	1850 (1380) @ 1650
Light Duty	2038 (1520) @ 1800	2158 (1610) @ 1800

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 lubrication oil filters, by-pass filter, oil cooler with thermostat, piston cooling though oil spray nozzles.

Cooling System

Fresh water pump, thermostats with by-pass (Sea or Fresh water cooling must be specified prior to ordering)

24 Volt Electric System Earth Floated

Starter motors (2 x 7.5kW), battery charging alternator (35 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 exhaust manifold.

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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Specifications are subject to