MITSUBISHI MARINE

S12A2

OUTPUT · MARINE GEN-DRIVE · 545 kW~828 kW
OUTPUT · MARINE PROPULSION · 850 HP~1150 HP

MARINE PROPULSION AND GEN-DRIVE ENGINES

Economic Operation

All Mitsubishi engines are designed and built to deliver performance, dependability and 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 highly reliable operation and optimum fuel consumption across the entire power curve.

Easy Maintenance

With Mitsubishi's S12A2 marine engine, maintenance is very easy. Each cylinder has its own cylinder head and the engine has large inspection covers on the crankcase and oil pan. 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 S12A2 diesel engine is built to meet the highest quality standards, as recognized by Lloyd's Register of Shipping and other major international marine classification societies.

Environmental Compatibility

Mitsubishi offers a full compliment of engines meeting both IMO and EPA emissions standards.

Local Support Around The Globe

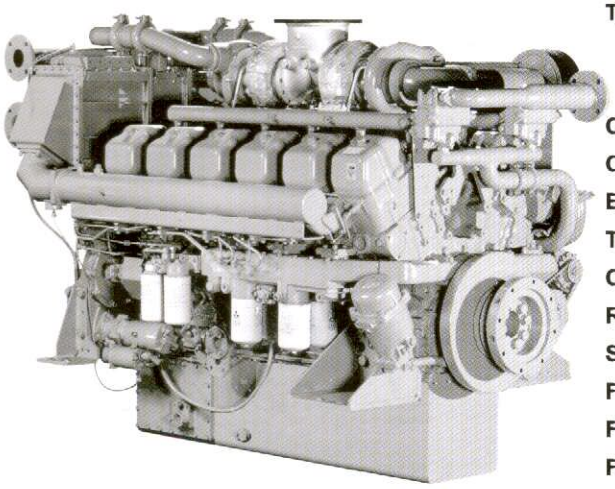
A team of support specialists is available worldwide to ensure that service and maintenance are performed without delay.

MITSUBISHI ENGINE NORTH AMERICA, INC.
1250 GREENBRIAR DRIVE, SUITE E, ADDISON, IL 60101
P: 630.268.0750 F: 630.268.9293 www.mitsubishi-engine.com

MITSUBISHI ENGINE

MITSUBISHI MARINE

S12A2 -Y1MPTA -Y1MPTK



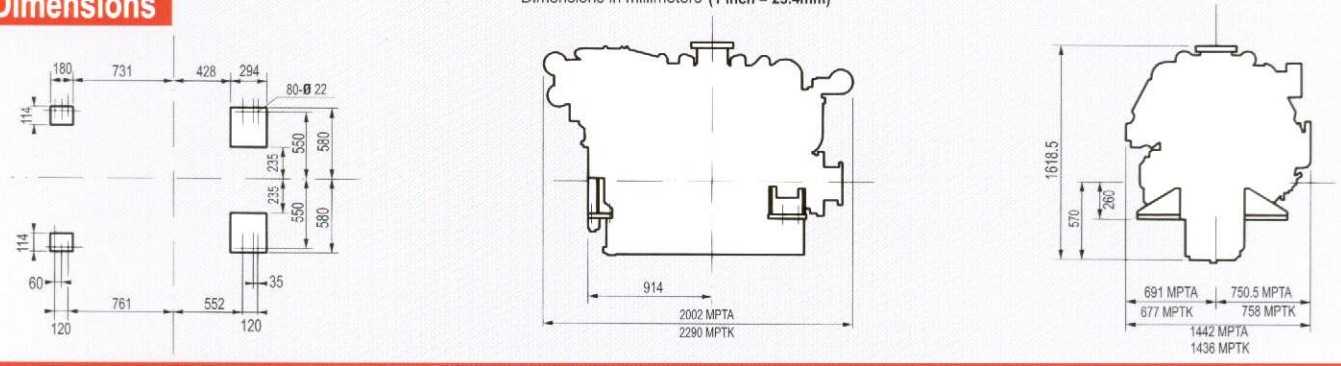
Type	4-cycle, watercooled, turbocharged diesel engine MPTA with aftercooler, cooled by engine jacket water MPTK with intercooler, cooled by (sea) water of max 32°C	
Combustion System	Direct Injection	
Cylinder Arrangement	60° V, 12-Cylinder	
Bore x Stroke - inches (mm)	5.91 (150) x 6.30 (160)	
Total Displacement - in³ (ltr)	2,071 (33.93)	
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 18	
Flywheel Housing	SAE #0	
Fuel Oil	ASTM D975, No. 1-D, No. 2-D	
Dry Weight - lbs (kg)	7453 (3380)	8203 (3720)

EPA CERTIFIED

Output Marine Gen-Drive	HP (kWm) @ RPM	HP (kWm) @ RPM
	730 (545) @ 1200	740 (552) @ 1200
	910 (679) @ 1500	951 (709) @ 1500
	1020 (761) @ 1800	1110 (828) @ 1800
Output Marine Propulsion	**HP (kWm) @ RPM**	**HP (kWm) @ RPM**
Heavy Duty	850 (634) @ 1940	940 (701) @ 1940
Medium Duty	940 (701) @ 2000	1040 (776) @ 2000
Light Duty	1040 (776) @ 2100	1150 (858) @ 2100

Outside Dimensions

Dimensions in millimeters (1 inch = 25.4mm)



Standard Engine Equipment

Fuel System
Flexible fuel supply and return hoses, fuel feed pumps, fuel filters, MHI fuel injection pumps, fuel injection lines, fuel injectors, overflow valve

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

Cooling System
Fresh water pump, thermostats with by-pass

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, exhaust manifolds, individual cylinder heads for easy service and maintenance, 4-valve cylinder head design for high efficiency and low emissions

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

Distributed By:

MITSUBISHI ENGINE

Contents are subject to change without prior notice