



MITSUBISHI DIESEL ENGINE

56A2-M

ENGINE PROPULSION AND AUXILIARY ENGINES



Mitsubishi Diesel Engine offers a wide range of applications and long operating hours for the following reasons:

- Efficient
- Lower maintenance costs
- High fuel economy

Mitsubishi Diesel Engine provides an excellent maintenance record, low maintenance costs, low fuel consumption and long life.

Mitsubishi Diesel Engine is designed with the following features:
- High torque
- High fuel economy
- High reliability
- High efficiency

Efficiency

Mitsubishi Diesel Engine is a high speed engine with the following features:
- High torque
- High fuel economy
- High reliability
- High efficiency

Reliability

Mitsubishi Diesel Engine is a high speed engine with the following features:
- High torque
- High fuel economy
- High reliability
- High efficiency

Low cost

Mitsubishi Diesel Engine is a high speed engine with the following features:
- High torque
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High torque

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High fuel economy

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High reliability

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Low maintenance

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Mitsubishi Diesel Engine offers a wide range of applications

Mitsubishi Diesel Engine is a high speed engine with the following features:
- High torque
- High fuel economy
- High reliability
- High efficiency



Outside Dimensions



FIGURE 1 Outside dimensions
 Dimensions in millimeters
 Dimensions in inches ()

Specifications

Item	Unit	Value	Item	Unit	Value
Model		6B42-M (6-cylinder, turbocharged, inter-cooled)			
Displacement	Liters	6.72			
Compression ratio		16.5:1			
Rated power	kW (PS)	147 (200)			
Rated speed	rpm	2300			
Rated torque	kg-m (kgf-m)	14.7			
Rated fuel consumption	liters/hour	24.5			
Water		100% (with 100% antifreeze)			
Alternator		24V, 100A			
Water pump		1000 rpm			
Inter-cooler		1000 rpm			
Water		100% (with 100% antifreeze)			
Alternator		24V, 100A			
Water pump		1000 rpm			
Inter-cooler		1000 rpm			
Water		100% (with 100% antifreeze)			
Alternator		24V, 100A			
Water pump		1000 rpm			
Inter-cooler		1000 rpm			
Water		100% (with 100% antifreeze)			





MITSUBISHI DIESEL ENGINE

S6A3-M

MARINE PROPULSION AND AUXILIARY ENGINES



Fig. 1. S6A3-M (100)

Intake air flow is controlled by the intake valve, which has a variable geometry. The exhaust valve has a variable geometry, too. The turbocharger has a variable geometry, too. The turbocharger has a variable geometry, too. The turbocharger has a variable geometry, too.

Variable geometry

The variable geometry turbocharger (VGT) is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry.

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Variable geometry

1. Introduction

The variable geometry turbocharger (VGT) is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry.

2. Description

The variable geometry turbocharger (VGT) is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry.

3. Operation

The variable geometry turbocharger (VGT) is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry. It is a turbocharger with a variable geometry.

4. Conclusion

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Overall Dimensions



Specifications

Model: S6A3-M
 Displacement: 6.7L (408 cu in)
 Power: 100 kW (136 hp) @ 2200 rpm

Item	Specification	Unit
Engine Type	6-Cylinder, 4-Stroke, Turbocharged Diesel Engine	
Displacement	6.7L (408 cu in)	L (cu in)
Rated Power	100 kW (136 hp)	kW (hp)
Rated RPM	2200	rpm
Maximum Torque	400 Nm (295 lb-ft)	Nm (lb-ft)
Compression Ratio	16.5:1	-
Stroke	110 mm (4.33 in)	
Bore	105 mm (4.13 in)	
Weight	1200 kg (2645 lb)	kg (lb)
Dimensions (L x W x H)	1800 x 750 x 1000 mm (70.9 x 29.5 x 39.4 in)	
Installation	Horizontal, Vertical, or Tilted	
Accessories	Optional	Optional



MITSUBISHI DIESEL ENGINE
 DIVISION
 2-1-1, YAMAGUCHI-KU, KOBAYASHI
 416-8581





MITSUBISHI DIESEL ENGINE

S6B-M

MARINE PROPULSION AND AUXILIARY ENGINES



Highly rated, low speed, long life, available in a wide range of configurations and power

• Features

- High torque
- Low fuel consumption
- Long life expectancy

Highly rated, low speed, long life, available in a wide range of configurations and power

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Engine type

The S6B-M is a highly rated, low speed, long life, available in a wide range of configurations and power

Performance

The S6B-M is a highly rated, low speed, long life, available in a wide range of configurations and power

Life expectancy

The S6B-M is a highly rated, low speed, long life, available in a wide range of configurations and power

Configuration

The S6B-M is a highly rated, low speed, long life, available in a wide range of configurations and power

Construction and design

The S6B-M is a highly rated, low speed, long life, available in a wide range of configurations and power

Service and maintenance

The S6B-M is a highly rated, low speed, long life, available in a wide range of configurations and power

Specifications

The S6B-M is a highly rated, low speed, long life, available in a wide range of configurations and power

Dimensions and weight

The S6B-M is a highly rated, low speed, long life, available in a wide range of configurations and power



Overall Dimensions

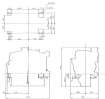


FIGURE 1 Overall dimensions
 (Dimensions in mm unless otherwise specified)

Specifications

	1000	1000	1000
Engine type	Turbo, Inter-cooled, water-cooled, diesel engine		
Model designation	S6B-M		
Rated output (kW)	120/2300		
Rated speed (rpm)	1500/2300		
Stroke (mm)	130/130		
Compression ratio	17.0/16.0		
Injection system	EVI		
Water pump	Mechanical drive, belt driven, separate mounting		
Timing gear	Gear drive, 20°/20°/20°		
Valves	S6B-M		
Valvetrain	SOHC		
Valve	Intake valve diameter: 1.5		
Valvetrain	Intake valve seat diameter		
Exhaust	1000	1000	1000



Mitsubishi Diesel Engine Co., Ltd.
 2-1-1, Higashi-Shinjuku, Shinjuku-ku, Tokyo 162, Japan
 Tel: 03-3352-2111
 Telex: 3100-3100
 Fax: 03-3352-2111





MITSUBISHI DIESEL ENGINE

S6R-M

MAINE PROPULSION AND AUXILIARY ENGINES



6 cylinders in line

The Mitsubishi S6R-M is a 6-cylinder in-line engine with a displacement of 59.5 litres. The S6R-M engine has an output range of 100 to 200 kW and is designed for high efficiency and low emissions.

The following features of the S6R-M engine are:

1. Compact design and lightweight

The S6R-M engine is compact and lightweight, making it ideal for use in a wide range of applications. It has a low profile and a low weight, which makes it easy to install and maintain.

2. Low fuel consumption

The S6R-M engine has a low fuel consumption rate, which makes it ideal for use in applications where fuel efficiency is important. It has a low specific fuel consumption rate, which means it uses less fuel to produce the same amount of power.

3. Low emissions

The S6R-M engine has low emissions, which makes it ideal for use in applications where low emissions are important. It has a low specific emissions rate, which means it produces less pollution for the same amount of power.

4. High reliability

The S6R-M engine has a high reliability, which makes it ideal for use in applications where high reliability is important. It has a long service life and a low failure rate, which means it can be used for a long time without needing to be replaced.

5. Excellent engine speed

The S6R-M engine has an excellent engine speed range, which makes it ideal for use in applications where a wide range of engine speeds is required. It has a low idle speed and a high maximum speed, which means it can be used in a wide range of applications.

6. Easy to maintain

The S6R-M engine is easy to maintain, which makes it ideal for use in applications where low maintenance is important. It has a simple design and a low number of parts, which makes it easy to service and repair.

7. Quiet operation

The S6R-M engine has a quiet operation, which makes it ideal for use in applications where low noise is important. It has a low noise level, which means it can be used in applications where noise is a concern.



Overall Dimensions



① Cooling fan installed
② Cooling fan removed

Specifications

Model	S6R-M1	S6R-M2	S6R-M3	S6R-M4	S6R-M5	S6R-M6
Configuration	In-line, water-cooled, turbocharged, diesel engine					
Installation	Vertical					
Stroke/cylinder	4.0/100mm					
Max. disp.	10.0 L/min		10.0 L/min		10.0 L/min	
Max. torque	18.7 kNm		18.7 kNm		18.7 kNm	
Compression ratio	17.5					
Water	100 litres/min (max. continuous flow) (reference)					
Water pump	Electrically driven, 1.0 litre/min					
Water tank	100 L/min					
Exhausting	100 L/min					
Valve	100 litres/min (reference) 2.0					
Accessories	100 litres/min (reference) 2.0					
Weight	100kg	100kg	100kg	100kg	100kg	100kg

