

MITSUBISHI

MARINE ENGINE LINE-UP



Our Technologies, Your Tomorrow

Features



● Powerful Performance

-High torque and quickness are compatible with all applications.

● High Reliability

-We have supplied over 120 thousand of marine engines since 1916.

● Low Fuel Consumption

-Mitsubishi original fuel injection pump and turbo charger bring best combustion matching.

● Space Saving

-Compactness gives advantages for installation and running cost.

● Easy Maintenance

-Cylinder heads are individually divided by cylinder.

-Large inspection covers are available in crankcase and oilpan.



Propulsion

Model		S6B-MTK2	S6B3-MPTK	S6A3-MPTK	S6A3-MPTK2	S6R-MPTK	S6R2-MPTK
Max. output		400 PS / 2100 min ⁻¹	500 PS / 2000 min ⁻¹	490 kW / 1960 min ⁻¹	494 kW / 1900 min ⁻¹	605 kW / 1800 min ⁻¹	610 kW / 1500 min ⁻¹
EIAPP		NONE	NONE	IMO1	NONE	IMO1	IMO1
No. of cylinder		6	6	6	6	6	6
Piston Bore	mm	135	135	150	150	170	170
Piston Stroke	mm	150	170	175	175	180	220
Total Piston Displacement	liter	12.88	14.60	18.56	18.56	24.51	29.96
Flywheel	SAE	14 inch	14 inch	14 inch	14 inch	18 inch	18 inch
Flywheel housing	SAE	No. 1	No. 1	No. 1	No. 0	No. 0	No. 0
Fuel injection pump		Bosch type	Bosch type	Bosch type	Original PS	Original PS	Original PS
Governer type		Mechanical	Mechanical	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Capacity of starting motor	pc-kW	1-6	1-6	1-6	1-6	1-7.5	1-7.5
Recommended battery size	AH	200	200	200	200	200	200
Lube oil capacity (Oil pan)	liter	70	70	90	140	140	150
Fresh water capacity (Engine)	liter	65	58	55	55	120	120
L × W × H	mm	1861.5 × 952 × 1331.5	1964 × 1032 × 1330	2090 × 991 × 1370.5	2174 × 1018 × 1421	2212 × 1201.5 × 1615	2207 × 1156 × 1695
Dry weight	kg	1270	1400	1840	2000	2950	3000

Model		S6R2-MPTK2	S6R2-MPTK3	S12A2-MPTK	S12R-MPTK	S16R-MPTK
Max. output		691 kW / 1400 min ⁻¹	759 kW / 1406 min ⁻¹	858 kW / 2100 min ⁻¹	1210 kW / 1800 min ⁻¹	1610 kW / 1800 min ⁻¹
EIAPP		IMO1	IMO1	IMO1	IMO1	IMO1
No. of cylinder		6	6	12	12	16
Piston Bore	mm	170	170	150	170	170
Piston Stroke	mm	220	220	160	180	180
Total Piston Displacement	liter	29.96	29.96	33.93	49.03	65.37
Flywheel	SAE	18 inch	18 inch	18 inch	21 inch	21 inch
Flywheel housing	SAE	No. 0	No. 0	No. 0	No. 00	No. 00
Fuel injection pump		Original PS	Original PS	Bosch type	Original PS	Original PS
Governer type		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Capacity of starting motor	pc-kW	1-7.5	1-7.5	2-7.5	2-7.5	2-7.5
Recommended battery size	AH	200	200	400	400	400
Lube oil capacity (Oil pan)	liter	150	150	160	230	290
Fresh water capacity (Engine)	liter	120	120	152	227	280
L × W × H	mm	2111 × 1183 × 1684.5	2105 × 1183 × 1695	2438.5 × 1482 × 1595.5	2556.5 × 1622 × 1727.5	3086 × 1622 × 1960
Dry weight	kg	3100	3130	3720	5500	7000

※4 stroke cycle, Water cooled, Diesel engine, Direct injection, Turbocharged with intercooler

※Fuel oil : Diesel fuel oil (ISO 8217 DMX)

※Starting system : Electric motor (DC24V earth float type)

※Lubricating system : Forced lubrication by engine gear pump

※Lubricating oil : API service grade CF class

Propulsion

Model		S6B3-T2MPTK2	S6A3-T2MPTK3	S6R-T2MPTK	S6R2-T2MPTK	S6R2-T2MPTK3
Max. output		448 kW / 2001 rpm	558 kW / 1900 rpm	605 kW / 1800 rpm	610 kW / 1500 rpm	759 kW / 1406 rpm
EIAPP		IMO2	IMO2	IMO2	IMO2	IMO2
No. of cylinder		6	6	6	6	6
Piston Bore	mm	135	150	170	170	170
Piston Stroke	mm	170	175	180	220	220
Total Piston Displacement	liter	14.6	18.56	24.51	29.96	29.96
Flywheel	SAE	14 inch	14 inch	18 inch	18 inch	18 inch
Flywheel housing	SAE	No. 1	No. 1	No. 0	No. 0	No. 0
Fuel injection pump		Bosch type	Original PS	Original PS	Original PS	Original PS
Governer type		Mechanical	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Capacity of starting motor	pc-kW	1-6	1-6	1-7.5	1-7.5	1-7.5
Recommended battery size	AH	200	200	200	200	200
Lube oil capacity (Oil pan)	liter	70	90	140	150	150
Flesh water capacity (Engine)	liter	58	60	120	120	120
L x W x H	mm	1967 x 984 x 1330	2189 x 1127 x 1421	2212 x 1201.5 x 1615	2111 x 1183 x 1684.5	2105 x 1183 x 1695
Dry weight	kg	1400	2100	2950	3100	3130

Model		S12A2-T2MPTK	S12R-T2MPTK	S16R-T2MPTK	S16R2-T2MPTK
Max. output		858 kW / 1920 rpm	1210 kW / 1800 rpm	1610 kW / 1800 rpm	1885 kW / 1500 rpm
EIAPP		IMO2	IMO2	IMO2	IMO2
No. of cylinder		12	12	16	16
Piston Bore	mm	150	170	170	170
Piston Stroke	mm	160	180	180	220
Total Piston Displacement	liter	33.93	49.03	65.37	79.9
Flywheel	SAE	18 inch	21 inch	21 inch	21
Flywheel housing	SAE	No. 0	No. 00	No. 00	No. 00
Fuel injection pump		Bosch type	Original PS	Original PS	Original PS
Governer type		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Capacity of starting motor	pc-kW	2-7.5	2-7.5	2-7.5	2-7.5
Recommended battery size	AH	400	400	400	400
Lube oil capacity (Oil pan)	liter	160	230	290	290
Flesh water capacity (Engine)	liter	152	227	280	280
L x W x H	mm	2438.5 x 1482 x 1595.5	2556.5 x 1622 x 1727.5	3086 x 1622 x 1960	2946 x 1525 x 2029
Dry weight	kg	3720	5500	7000	7750

※4 stroke cycle, Water cooled, Diesel engine. Direct injection, Turbocharged with intercooler

※Fuel oil : Diesel fuel oil (ISO 8217 DMX)

※Starting system : Electric motor (DC24V earth float type)

※Lubricating system : Forced lubrication by engine gear pump

※Lubricating oil : API service grade CF class

Engine for Marine Generator

Model		S6R-T2MPTK	S6R2-T2MPTK	S12A2-T2MPTK
Max. output	50 Hz	545 kW / 1500 rpm	640 kW / 1500 rpm	709 kW / 1500 rpm
	60 Hz	635 kW / 1800 rpm	500 kW / 1200 rpm	828 kW / 1800 rpm
EIAPP (D2 mode)		IMO2	IMO2	IMO2
No. of cylinder		6	6	12
Piston Bore	mm	170	170	150
Piston Stroke	mm	180	220	160
Total Piston Displacement	liter	24.51	29.96	33.93
Flywheel	SAE	18 inch	18 inch	18 inch
Flywheel housing	SAE	No. 0	No. 0	No. 0
Fuel injection pump		Original PS	Original PS	Bosch type
Governor type		Hydraulic	Hydraulic	Hydraulic
Capacity of starting motor	pc-kW	1-7.5	1-7.5	2-7.5
Recommended battery size	AH	200	200	400
Lube oil capacity (Oil pan)	liter	140	150	160
Fresh water capacity (Engine)	liter	120	120	152
L × W × H	mm	2212 × 1201.5 × 1615	2111 × 1183 × 1684.5	2438.5 × 1482 × 1595.5
Dry weight	kg	2950	3100	3720

Model		S12R-T2MPTK	S16R-T2MPTK	S16R2-T2MPTK
Max. output	50 Hz	1120 kW / 1500 rpm	1500 kW / 1500 rpm	1960 kW / 1500 rpm
	60 Hz	1270 kW / 1800 rpm	1690 kW / 1800 rpm	1590 kW / 1200 rpm
EIAPP (D2 mode)		IMO2	IMO2	IMO2
No. of cylinder		12	16	16
Piston Bore	mm	170	170	170
Piston Stroke	mm	180	180	220
Total Piston Displacement	liter	49.03	65.37	79.90
Flywheel	SAE	21 inch	21 inch	21
Flywheel housing	SAE	No. 00	No. 00	No. 00
Fuel injection pump		Original PS	Original PS	Original PS
Governor type		Hydraulic	Hydraulic	Electric
Capacity of starting motor	pc-kW	2-7.5	2-7.5	2-7.5
Recommended battery size	AH	400	400	400
Lube oil capacity (Oil pan)	liter	230	290	290
Fresh water capacity (Engine)	liter	227	280	280
L × W × H	mm	2556.5 × 1622 × 1727.5	3086 × 1622 × 1960	2946 × 1525 × 2029
Dry weight	kg	5500	7000	7750

*4 stroke cycle, Water cooled, Diesel engine. Direct injection, Turbocharged with intercooler

*Fuel oil : Diesel fuel oil (ISO 8217 DMX)

*Starting system : Electric motor (DC24V earth float type)

*Lubricating system : Forced lubrication by engine gear pump

*Lubricating oil : API service grade CF class

Propulsion (Medium Speed Engine)

Model		S6U-MPTK	S8U-MPTK	S12U-MPTK	S16U-MPTK
Max. output		1119 kW / 1100 rpm	1492 kW / 1100 rpm	2238 kW / 1100 rpm	2984 kW / 1100 rpm
EIAPP		IMO2	IMO2	IMO2	IMO2
No. of cylinder		6	8	12	16
Piston Bore	mm	240			
Piston Stroke	mm	260			
Total Piston Displacement	liter	70.6	94.1	141.2	188.2
Flywheel	SAE	21 inch	21 inch	21 inch	21 inch
Fuel injection pump		Bosch type			
Governer type		Woodward UG25 + (Electric) / UG8L (Hydraulic)			
Capacity of starting motor	pc-kW	—	—	—	—
Recommended battery size	AH	—	—	—	—
Lube oil capacity (Oil pan)	liter	370	490	520	680
Flesh water capacity (Engine)	liter	270	360	520	700
L × W × H	mm	3211 × 1403 × 2104	4065 × 1539 × 2192	3562 × 1910 × 2374	4628 × 1833 × 2473
Dry weight	kg	8350	11000	15500	20500

※4 stroke cycle, Water cooled, Diesel engine. Direct injection, Turbocharged with intercooler

※Fuel oil : Diesel fuel oil (ISO 8217 DMX)

※Starting system : Electric motor (DC24V earth float type)

※Lubricating system : Forced lubrication by engine gear pump

※Lubricating oil : API service grade CF class

Engine for Marine Generator (Medium Speed Engine)

Model		S6U-MPTK	S8U-MPTK	S12U-MPTK	S16U-MPTK
Max. output	50Hz	1165 kW / 1000 rpm	1553 kW / 1000 rpm	2330 kW / 1000 rpm	3107 kW / 1000 rpm
	60Hz	1230 kW / 1200 rpm	1641 kW / 1200 rpm	2461 kW / 1200 rpm	3281 kW / 1200 rpm
EIAPP		IMO2	IMO2	IMO2	IMO2
No. of cylinder		6	8	12	16
Piston Bore	mm	240			
Piston Stroke	mm	260			
Total Piston Displacement	liter	70.6	94.1	141.2	188.2
Flywheel	SAE	21 inch	21 inch	21 inch	21 inch
Fuel injection pump		Bosch type			
Governer type		Woodward UG25 + (Electric) / UG8L (Hydraulic)			
Capacity of starting motor	pc-kW	—	—	—	—
Recommended battery size	AH	—	—	—	—
Lube oil capacity (Oil pan)	liter	370	490	520	680
Flesh water capacity (Engine)	liter	270	360	520	700
L × W × H	mm	3211 × 1403 × 2104	4065 × 1539 × 2192	3562 × 1910 × 2374	4628 × 1833 × 2473
Dry weight	kg	8350	11000	15500	20500

※4 stroke cycle, Water cooled, Diesel engine. Direct injection, Turbocharged with intercooler

※Fuel oil : Diesel fuel oil (ISO 8217 DMX)

※Starting system : Electric motor (DC24V earth float type)

※Lubricating system : Forced lubrication by engine gear pump

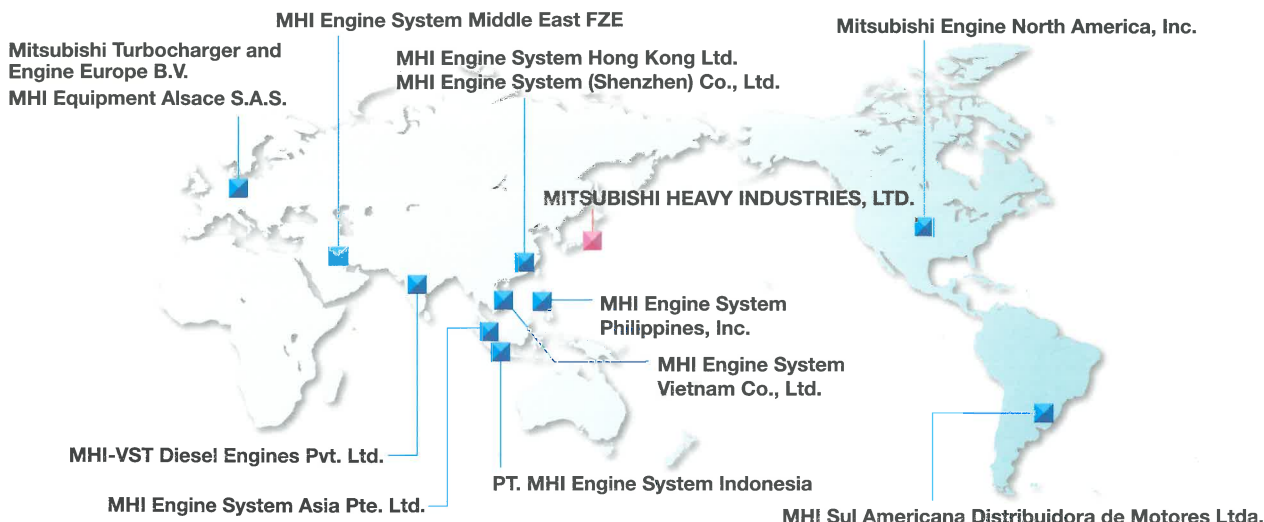
※Lubricating oil : API service grade CF class

Marine Gas Engine

Model		GS6R-MPTK	GS12R-MPTK	GS16R-MPTK	GS16R2-MPTK
Generator output	kWe	350 kWe / 1500 rpm	700 kWe / 1500 rpm	930 kWe / 1500 rpm	1500 kWe / 1500 rpm
No. of cylinder		6	12	16	16
Piston Bore	mm	170	170	170	170
Piston Stroke	mm	180	180	180	180
Total Piston Displacement	liter	24.51	49.03	65.37	79.9
Flywheel	SAE	18 inch	21 inch	21 inch	21 inch
Flywheel housing	SAE	No. 0	No. 00	No. 00	No. 00
Fuel injection pump		—	—	—	—
Governor type		Electric	Electric	Electric	Electric
Capacity of starting motor	pc-kW	1-7.5	2-7.5	2-7.5	2-7.5
Recommended battery size	AH	500	600	600	600
Lube oil capacity (Oil pan)	liter	145	200	260	340
Fresh water capacity (Engine)	liter	50	125	170	200
L × W × H	mm	1797 × 1088 × 1638	2421 × 1832 × 2137	2901 × 1899 × 2137	3423 × 2164 × 2122
Dry weight	kg	2410	5375	6770	8135



World Wide Service Network



Headquarters

Mitsubishi Heavy Industries, Ltd.

3000, Tana, Chuo-ku, Sagami-hara, Kanagawa, 252-5293 Japan
Tel: +81-42-763-7854
Fax: +81-42-761-1994
<http://www.mhi.co.jp/global/index.html>

Asia-Pacific

Singapore

MHI Engine System Asia Pte. Ltd.

No.3, Tuas Avenue 12, Singapore 639024 Republic of Singapore
Tel: +65-6862-2202
Fax: +65-6862-5728
<http://www.mhiesia.com.sg/>

China

MHI Engine System Hong Kong Ltd.

Suite 1121A, 11/F., Ocean Centre, Harbour City, Tsim Sha Tsui, Kowloon, Hong Kong, China
Tel: +852-2375-1816
Fax: +852-2376-3326

MHI Engine System (Shenzhen) Co., Ltd.

Room No. 208, 2/F., Excellence Logistics Centre Building, No. 18 Shihua Road, Futian Free Trade Zone, Shenzhen, Guangdong, China
Tel: +86-755-3388-3030
Fax: +86-755-3368-5000



XIN MING HUA PTE LTD XMH ENGINEERING PTE LTD

No. 44 Sungei Kadut Avenue
Singapore 729667

Tel : (65) 6368 0188
Fax : (65) 6368 0633
Email : sales@engine.com.sg
Website : www.xmh.com.sg



YOUR CONNECTION TO THE RIGHT MACHINE

Tel: +31-36-538-8311
Fax: +31-36-538-8200
<http://www.mhimee.nl/>

France

MHI Equipment Alsace S.A.S.

1, rue de la Fonderie-68100 Mulhouse, France
Tel: +33-3-8936-6565
Fax: +33-3-8936-6566

U.A.E.

MHI Engine System Middle East FZE

Sharjah Airport International Free (SAIF) Zone
Q4-44, P.O. Box 121801, Sharjah, UAE
Tel: +971-6-548-9295



XIN MING HUA PTE LTD XMH ENGINEERING PTE LTD

No. 44 Sungei Kadut Avenue
Singapore 729667

Tel : (65) 6368 0188
Fax : (65) 6368 0633
Email : sales@engine.com.sg
Website : www.xmh.com.sg

YOUR CONNECTION TO THE RIGHT MACHINE

Philippines

MHI Engine System Philippines, Inc.

Warehouse 4-C, Sunblest Compound, KM 23, West service road Bo. Cupang, Muntinlupa, Philippines
Tel: +63-2-775-0209
Fax: +63-2-775-0310



Mitsubishi Engine North America, Inc.

1000, Suite E Addison, IL 60101-1065, U.S.A.
Tel: +1-708-381-3133
mhi-engine.com/

MHI Sul Americana Distribuidora de Motores Ltda.

Rua Lincoln Braga, 37-10 andar cj 101 Bela Vista, CEP 01333-011, Sao Paulo, SP, Brazil
Tel: +55-11-3515-7890
Fax: +55-11-3515-7899



MITSUBISHI HEAVY INDUSTRIES, LTD.

Marine Engine Section, Engine Sales Department

3000 Tana, Chuo-ku, Sagami-hara, Kanagawa 252-5293, Japan
Phone: 81-42-763-7854 Fax: 81-42-761-1994
URL <http://www.mhi.co.jp>



* Information contained in this catalogue is as of Oct. 2013.
* Specifications and equipment of product, and its appearance may be changed without prior notice.
* The picture used in this catalog may partially differ with standard equipment of product.
* Please thoroughly check the maintenance manual and installation manual before use, and appropriately use engine.

In case of application, please contact the below: