

NEW



Marine Gas Solutions from 300 kW to 1500 kW



Turbocharger



Cylinder heads

Applications

- Tug
- Ferry
- Coasters
- Inland Cargo Vessels
- Offshore Supply Vessels
- LNG carriers and many more

Features

- Higher thermal efficiency
- Highly efficient turbocharger
- Lower exhaust gas emissions
- Ultra lean burn gas - to - air ratio

Specifications

- Gas electric propulsion / auxiliary use
- Equipped with high-performance proprietary turbochargers

		GS6R-MPTK	GS6R2-MPTK	GS12R-MPTK	GS16R-MPTK	GS16R2-MPTK
Type		4-cycle, intercooled, Natural Gas engine	4-cycle, intercooled, Natural Gas engine	4-cycle, intercooled, Natural Gas engine	4-cycle, intercooled, Natural Gas engine	4-cycle, intercooled, Natural Gas engine
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Number of cylinders		6	6	12	16	16
Bore x stroke mm		170x180	170x220	170x180	170x180	170x220
Displacement Ltr		24,51	29,96	49,03	65,37	79,9
Combustion system		Prechamber, Spark Ignited	Prechamber, Spark Ignited	Prechamber, Spark Ignited	Prechamber, Spark Ignited	Prechamber, Spark Ignited
Fuel		Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
Dry weight (engine only) 50Hz / 60Hz kg		2400	2650	5375	6770	8105
Maximum output kWm	50Hz 1500rpm	368	On request	722	959	1563
	60Hz 1200rpm	315	394	632	845	1250
Emission compliance		—	—	—	—	—
Dimensions (engine only) mm	L x H x W	1797 x 1638 x 1088	1864 x 1718 x 1063	2371 x 2137 x 1820	2841 x 2137 x 1820	3423 x 2122 x 2164

Introducing new built-to-last, dependable Marine Gas Engine Solutions

We offer high performance Natural Gas marine engines which are available in 6, 12 and 16 cylinders and an output range from 300 kW to 1500 kW. We have been able to accomplish this by applying the Miller Cycle to the engine coupled with high efficiency turbochargers and efficient marine gas engine control technology.

Complete Solutions

We offer complete marine gas sets by Mitsubishi. Our engines can be delivered with various classifications e.g. Bureau Veritas, DNV-GL and Lloyd's Register. Our solutions are proven, evidenced by our references.

Proximity and Ease

All new engine models are equipped with high performance turbochargers. Our turbochargers

are manufactured at the same plant in which the engines are produced. This close proximity of design and production results in the ideal turbocharger match for each engine, maximizing overall performance.

References

Mitsubishi marine gas engines power the world's first LNG-fuelled RoRo passenger ferry, Norway's 94m Glutra, operating in Møre and Romsdal since 2000. Built at the former Langstein Aker Yards, the ferry features four Mitsubishi lean burn LNG marine engines, each generating 675 kW.

Other deliveries include the Moldefjord (built by Poland's Remontowa) and the Tidekongen (built by STX France Lorient). We offer marine gas engine solutions from 300 kW to 1500 kW.



Mitsubishi Marine Gas Set



Mitsubishi Turbocharger and Engine Europe B.V. Headquarters Engine, Genset & Powerplant Division Europe, Middle East and Africa

Damsluisweg 2
1332 EC Almere
P.O. Box 30101
1303 AC Almere
The Netherlands

Phone: +31 (0)36 5388311
Fax: +31 (0)36 5388342

www.mtee.eu