



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) 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 and sets 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.

Proximity and Ease

All new engine models are equipped with high performance Mitsubishi 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 and over 50000 running hours. 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), the Tidekongen (built by STX France Lorient) and the MS Ostfriesland (built by BVT Bremen).



Mitsubishi Marine Gas Set