




MITSUBISHI NATURAL GAS ENGINES (GSR Series)

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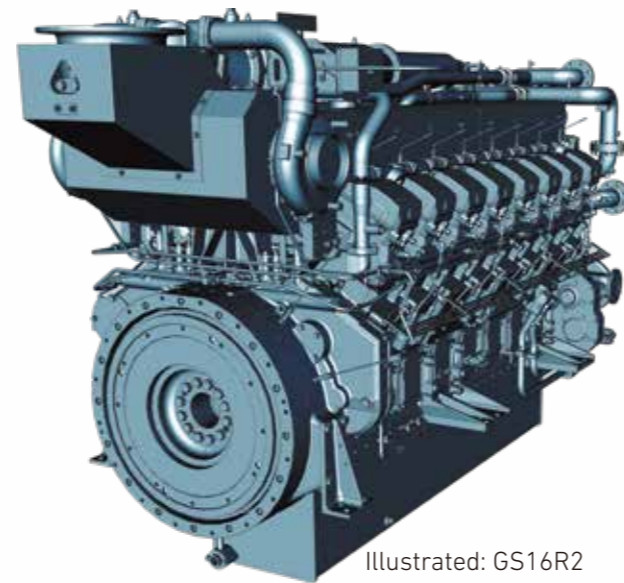
 www.mitsubishi-engine.com



Natural-gas cogeneration systems are both fuel-efficient and eco-friendly. They emit relatively low quantities of the major greenhouse gases CO₂, NO_x, and SO_x.

ON-SITE GENERATION BENEFITS

- Highly efficient & reliable electricity and thermal energy
- More redundancy and stability than the “grid” provides
- Thermal energy from emission compliant sources
- Located remotely, away from traditional “grid” supply
- Can incorporate renewable electricity resources
- Rapid frequency control to manage grid stability



Illustrated: GS16R2

FEATURES

Highly Efficient Energy Generation

- Get maximum efficiency, at any scale of operation
- Two-way stage intercooler available for 450 kWe

Low Overall Energy Costs

- Efficient use of electrical and thermal energy

Highly Reliable

- Backed by strong performance results and objective machine testing



Illustrated: GS16R

NATURAL GAS ENGINE LINEUP

Engine Model	GS6R2	GS16R	GS16R2	GS16R2	GS16R2
Displacement [Liter]	30	65	80	80	80
Cylinders	6	16	16	16	16
Output [kWe]	450	815	1,000	1,200	1,500
Electrical Efficiency	42.7%	42.0%	42.3%	43.1%	42.0%
Total Efficiency	84.8	78.9	75.2	77.0	75.2
Dimension (Length x	199 cm (78 in)	293 cm (115 in)	307 cm (120 in)	307 cm (120 in)	573 cm (226 in)
Width x	115 cm (45 in)	182 cm (72 in)	198 cm (78 in)	198 cm (78 in)	217 cm (86 in)
Height)	172 cm (68 in)	213 cm (84 in)	230 cm (90 in)	230 cm (90 in)	248 cm (98 in)
Weight (engine, wet)	2,995 kg (6,603) lbs	7,330 kg (16,160) lbs	8,530 kg (18,805) lbs	8,660 kg (19,092) lbs	8,705 kg (19,191) lbs

APPLICATIONS

- Combined Heat and Power
- Smart grid
- Microgrid
- Continuous use