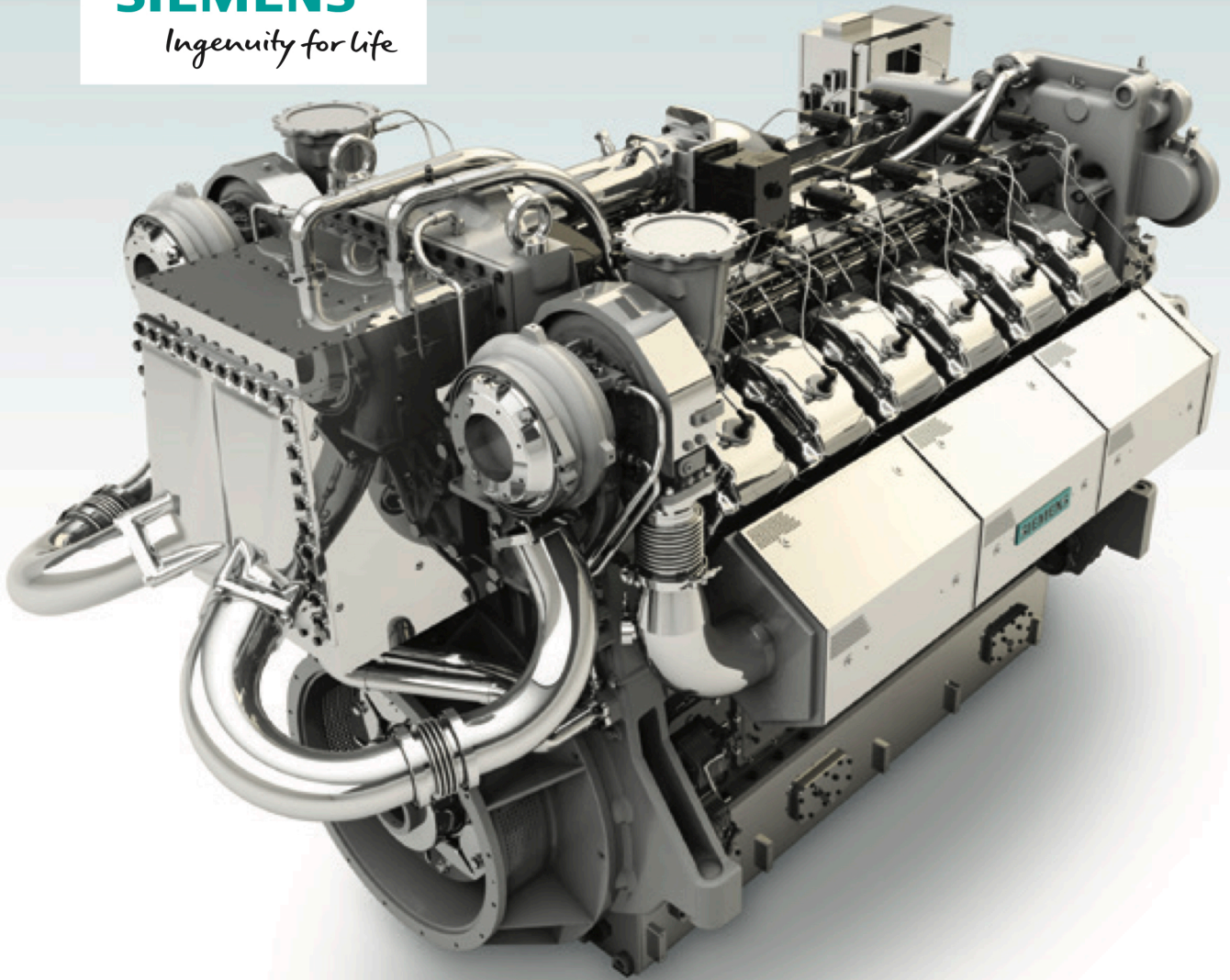


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# Benchmarks in Efficiency

Siemens SGE-EM Gas Engines



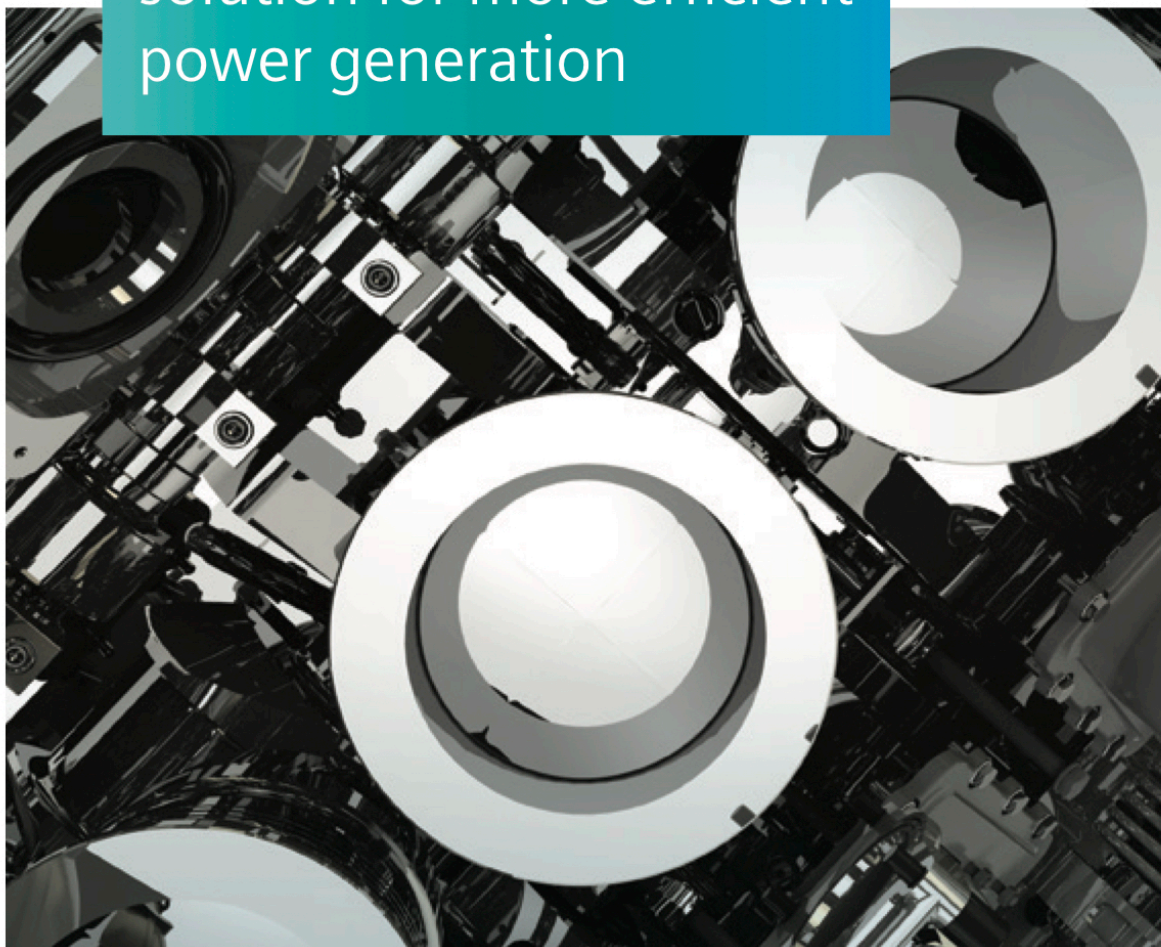
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SGE	86EM	100EM	SGE	86EM	100EM
RPM	1,500	1,200	BMEP*	19.2 bar	20.7 bar
CYLINDER ARRANGEMENT	V12	V12	MECHANICAL POWER	2,065 kWb	2,065 kWb
DISPLACEMENT	86 liters	100 liters	ELECTRICAL POWER	2,012 kW <sub>e</sub>	2,007 kW <sub>e</sub>
BORE	195 mm	195 mm	MECHANICAL EFFICIENCY	46.6%	46.7%
STROKE	240 mm	280 mm	ELECTRICAL EFFICIENCY	45.5%	45.4%
COMPRESSION RATIO	13.5:1	13.5:1	GLOBAL EFFICIENCY	89.7%	88%

\*Brake Mean Effective Pressure

\*\*Data for 500 mg/NO<sub>x</sub>

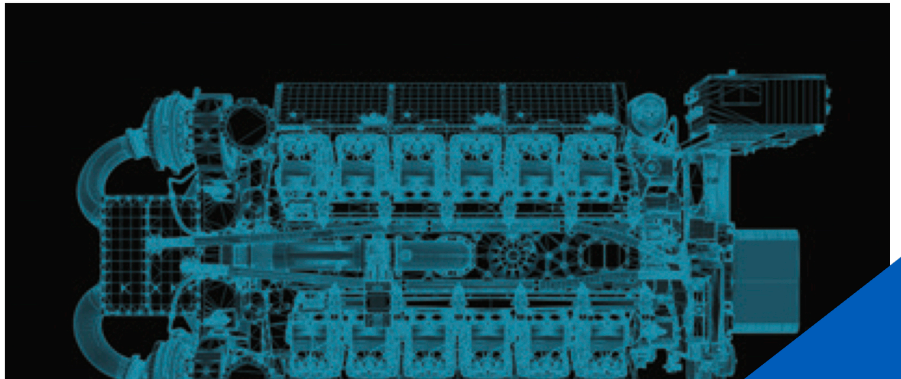
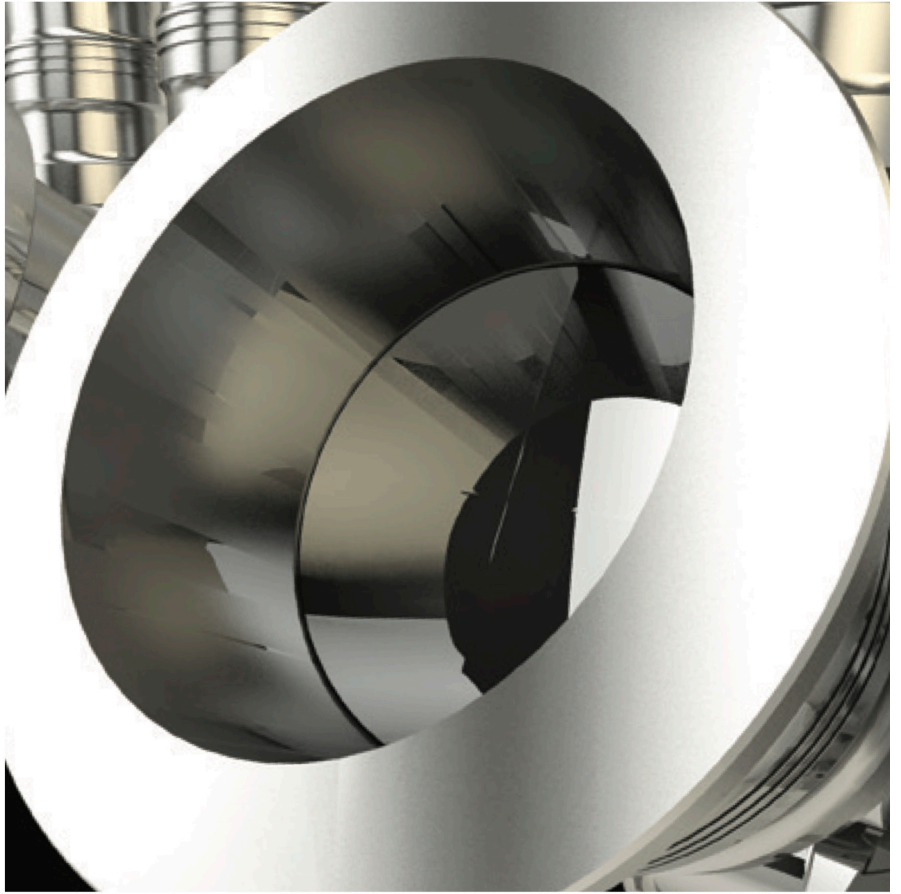
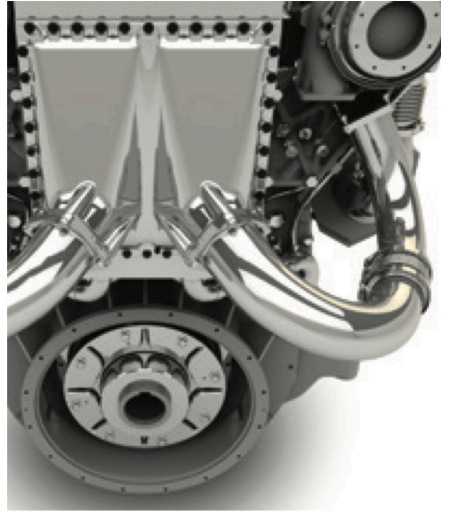
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