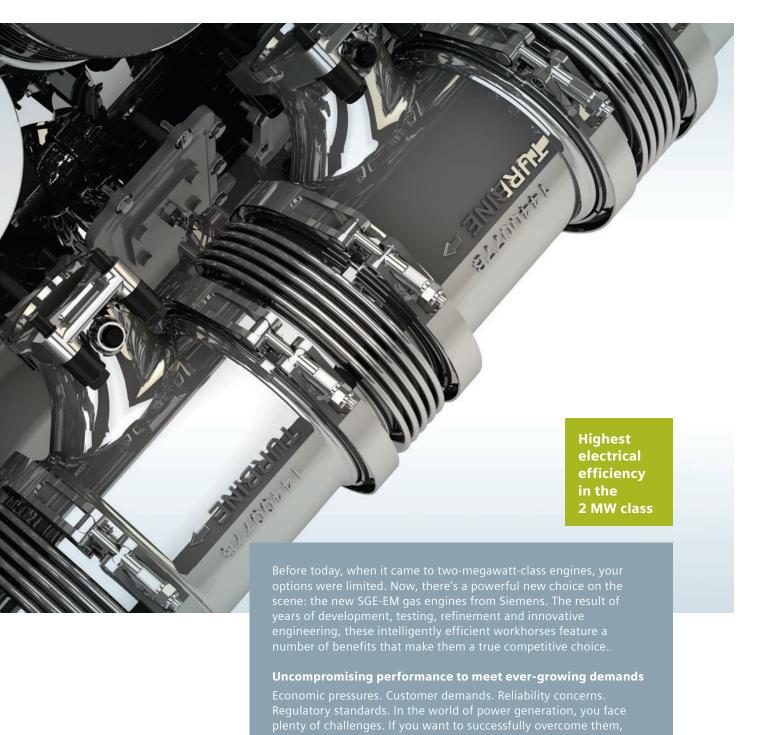


SGE-EM 2 MW-Class Gas Engines





3

Innovative "from scratch" engine design and combustion technology

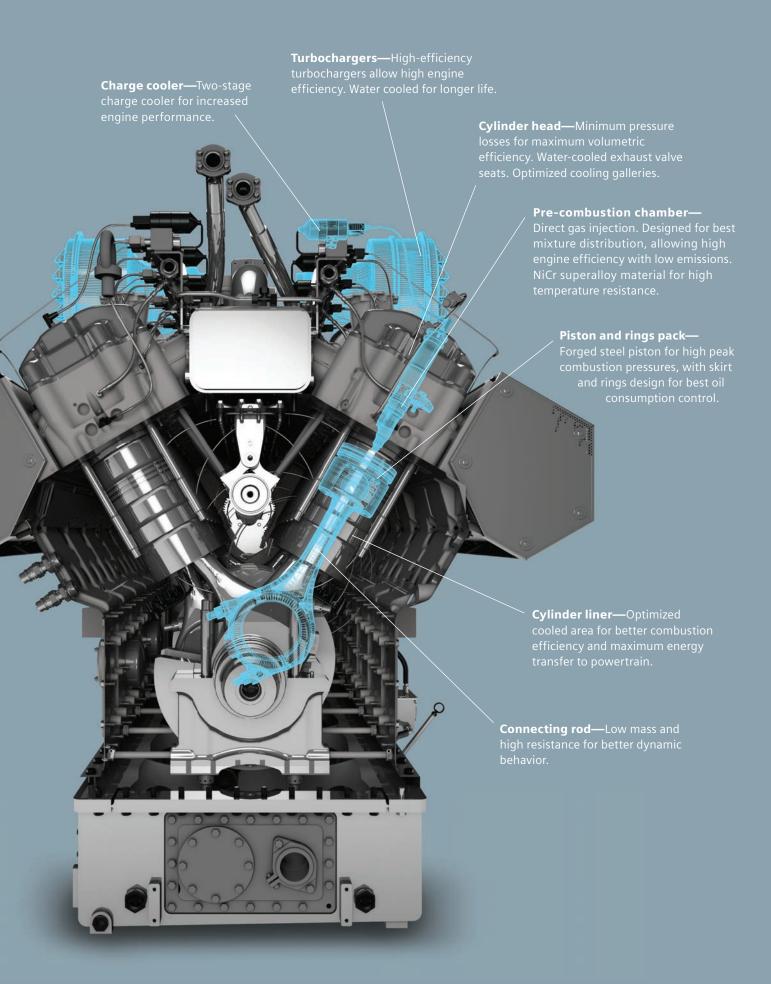
At Siemens, we're known for innovation, and the new E-Series engines carry that torch of ingenuity with a unique cylinder design that produces the highest displacement in the two-megawatt class, innovative pre-combustion chambers, spark-ignited lean-burn control capabilities, and a robust overall design that ensures maximum flexibility in a wide variety of conditions.

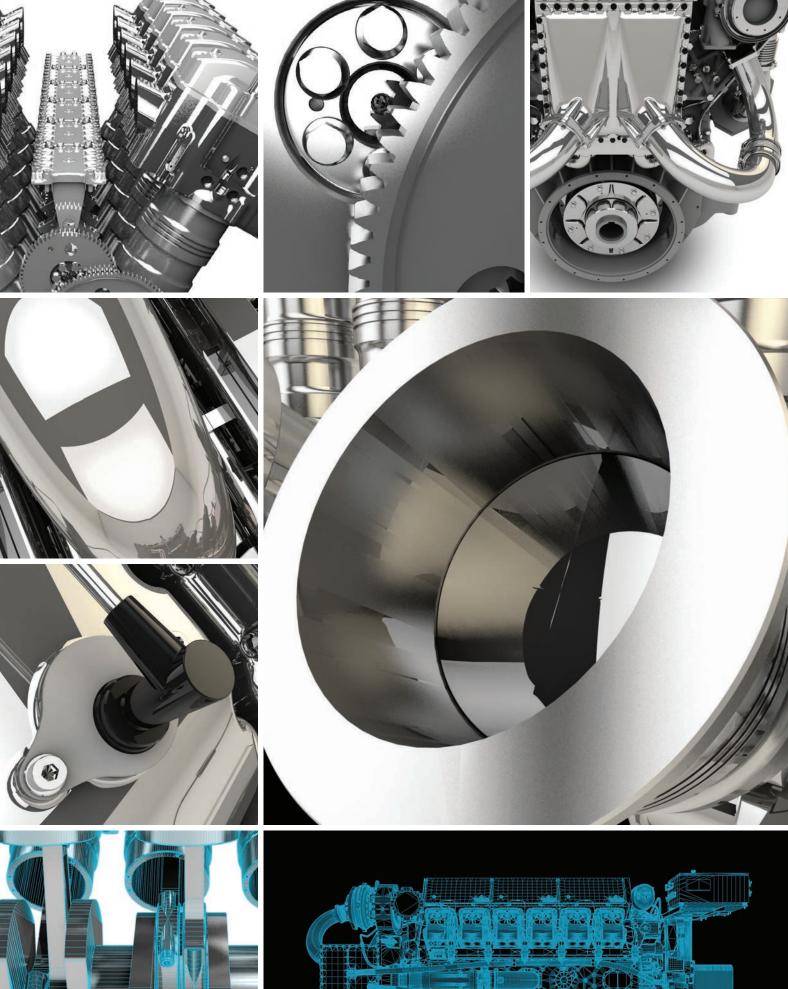
- Natural gas-powered engines
- Exceptional displacement
- Low maintenance
- Efficient and stable combustion
- Optimized materials

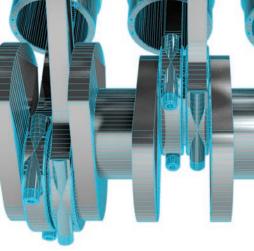
Maximum efficiencies in the smallest footprint.

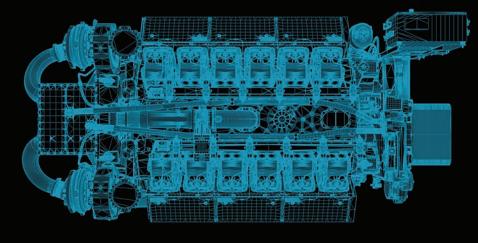
The new E-Series engines are not only the new competitive choice in the two-megawatt class, they're also the most compact. Their unique ability to deliver high power output with incredibly low emissions helps you create a smaller footprint—both physical and environmental.











The best-in-class solution with the best-in-class cycle time

- Robust, compact design provides more relief for long-lasting performance
- Spark-ignited lean-burn unit ensures low emissions
- Innovative pre-combustion chambers provide efficient and stable combustion
- 12 unique high-volume cylinders deliver highest displacement
- Less maintenance than 16-cylinder engine options
- Fast cycle times and implementation—up and running in 24 weeks
- Smallest footprint in the competitive set

CYLINDER ARRANGEMENT	12 V	ВМЕР	19.2 bar
DISPLACEMENT	86 I	MECHANICAL EFFICIENCY	46.6%
BORE	195 mm	ELECTRICAL EFFICIENCY	45.4%
STROKE	240 mm	THERMAL EFFICIENCY	43.7%
COMPRESSION RATIO	13.5:1	GLOBAL EFFICIENCY	89.1%
MECHANICAL POWER	2065 kWb	EXHAUST TEMPERATURE	352 °C
ELECTRICAL POWER	2012 kWe	NO _x	500 mg/Nm ³

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