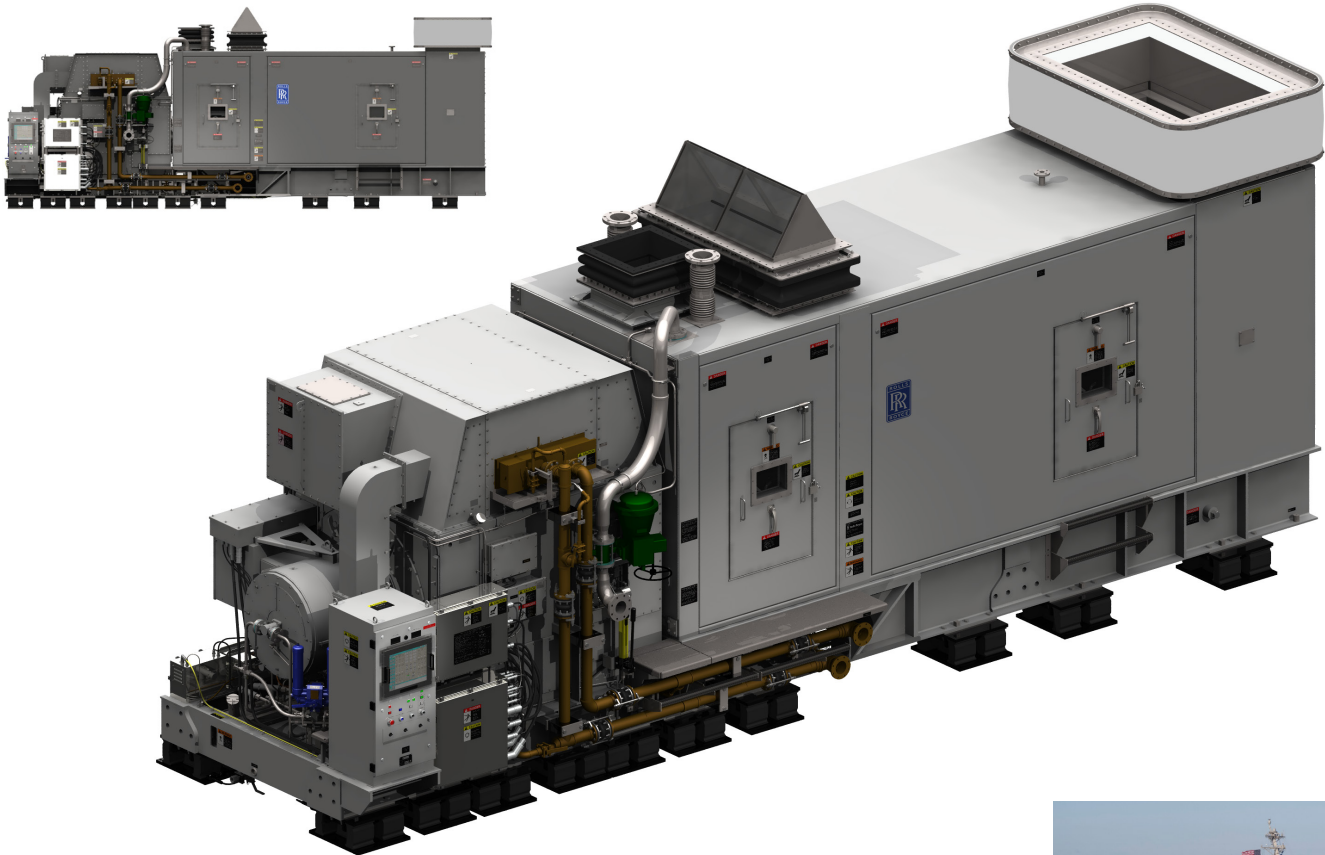


AG9160RF Generator Set

The AG9160RF uses the MT5S-HE+ gas turbine, a derivative of the successful T56 family that powers the C-130 Hercules.



Overview

The MT5S-HE+ is a single shaft, high-pressure ratio gas turbine with a fourteen-stage axial compressor and boost compressor module. A four-stage turbine is supported on a roller bearing structure for optimum reliability.

The AG9160RF unit has been selected for the US Navy DDG 51 Flight III program as a more powerful and higher voltage evolution of the highly successful AG9140RF generator set, in order to meet the increasing power demands of a modern naval surface combatant.

The AG9160RF features the unique redundant independent mechanical start system using a M250-KS4 gas turbine as a mechanical starter, enabling a black ship start from two 12volt batteries.

Vessel references

- DDG 51 Flight III



Key features

- Lightweight and modular
- Local or remote control
- Designed for MIL-S-901D shock compliance
- Mechanical starter for black ship start
- Full Authority Digital Control (FADC)
- Builds on pedigree of AG9140RF generator set with over 200 installed units

Technical data

- **Power (kW)** 4,000
- **Package weight (lb)** 98,414
- **Dimensions (inches)** LxWxH 389 x 107 x 150
- **Turbine speed (rpm)** 14600
- **Generator speed (rpm)** 1800

Ratings at sea level with 6" inlet and 10" exhaust losses, 40% relative humidity, 100F Inlet temperature, enclosure ventilation, and generator and gearbox losses. (All data subject to change without prior notice).