

AE 1107C turboshaft

The AE 1107C engine is a 7,000shp turboshaft with state-of-the-art turbine architecture, meeting the needs of future medium and heavy lift platforms.



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Tackling demanding environments head on

A unique 7,000 shp powerplant that is part of the proven AE engine family with a high part commonality. The AE 1107C is mission-ready with improved 'hot and high' performance for enhanced capability.

The AE 1107C two-shaft axial design consists of a 14-stage compressor followed by an effusion-cooled annular combustor, a two-stage gas generator turbine and two-stage power turbine.

The engine features six stages of variable compressor vanes, dual FADECs, and a self-contained oil system that enables vertical operation. The engine features modular construction and maintenance is 'on-condition'.

Power shp (kW)

AE 1107C-Liberty 6,150 (4,586)

AE 1107 New application 7,650 (5,705)

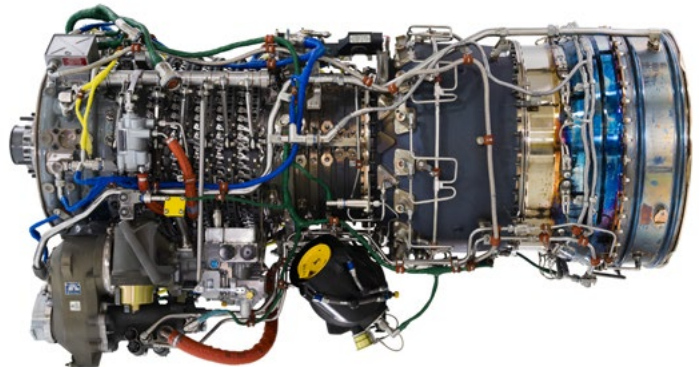
AE 1107 Growth application 9,000 (6,710)

Pressure ratio 16.7 | **Length in (m)** 78.1 (1.98) | **Diameter in (m)** 34.2 (0.89)

Basic weight lb (Kg) 971 (440) | **Compressor** 14HP | **Turbine** 2HP, 2PT

Robust and battle-proven reliability

- High air flow core provides ample power for today's applications and power growth for future programs.
- Specifically designed for austere conditions as well as excellent 'hot and high' performance.
- In service with the USMC (MV-22), USAF (CV-22) and U.S. Navy (CMV-22) with more than 1.6 million engine flight hours.
- Proven powerplant suitable for tilt-rotor, rotorcraft, marine and energy applications.



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