# **Liberty Engine A Technical Operational History**

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The aim of the Liberty was to standardize aircraft engine design. The theory was to have an engine design that could be built in several sizes and thus power airplanes for any purpose, from training to bombing. The differences in sizes would be obtained by using different numbers of cylinders in the same design.

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The Liberty L-12 is an American water-cooled 45° V-12 aircraft engine displacing 1,649 cubic inches and making 400 hp designed for a high power-to-weight ratio and ease of mass production. It saw wide use in aero applications, and, once marinized, in marine use both in racing and gentlemens' runabouts. A single bank 6-cylinder version, the Liberty L-6, and V-8, the Liberty L-8, were derived from the Liberty L-12. It was succeeded by the Packard 1A-2500.

#### Liberty L-12 - Wikipedia

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A Technical & Operational. History of the Liberty Engine: Tanks, Ships and Aircraft 1917–1960. by Robert J. Neal. One of history's most famous engines, and very possibly the one with the longest active military service life, the Liberty represents an ambitious and visionary solution to what could have become an intractable problem: in the early days of engine-building, be it automotive or aero, anyone who could wield a wrench or run a slide rule had a go—lots of creativity, and also ...

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