NORTH AMERICAN AT-6G Model Guide

The NORTH AMERICAN AT-6G is a single-engine piston aircraft in the North American AT-6 Texan family. The supplied data is thin. There are no variant-specific performance figures, and the only document is a replacement fuel selector valve installation manual. Treat the family figures below as upper bounds, not as AT-6G numbers.

KEY TAKEAWAYS

- The AT-6 family is piston-powered, with up to 2 passengers across the variants.
- Family-level maxima: up to 590 nm range, 140 kt cruise and 22,500 ft service ceiling.
- A CJ Aviation replacement fuel selector valve, FS30-T6CJ, is documented for AT-6 Texan, SNJ-7 and T-6G aircraft.
- No AT-6G-specific weights, speeds or fuel capacity are in the inputs, so get them from the aircraft's own flight manual.

WHAT THE FAMILY DATA SAYS

The registry lists the AT-6 family, including AT-6, AT-6A, AT-6B, AT-6C, AT-6D, AT-6F, SNJ-7 and T-6G variants. Family maxima are about 2,400 kg maximum takeoff weight, 590 nm range, 140 kt cruise and 22,500 ft ceiling. They describe the best variant in the family, not necessarily an AT-6G.

FUEL SELECTOR VALVE REPLACEMENT

CJ Aviation's FS30-T6CJ replacement valve operates like the OEM selector, choosing engine fuel from specific tanks. Installation means draining the fuel, removing the cover panel over the aileron pulleys, swapping the valve and bracket, fitting the correct fork, and fitting new cotter pins.

WHAT TO CHECK WHEN BUYING

Ask whether the fuel selector valve has been replaced and whether the work followed the installation manual. Confirm the selector turns smoothly, fuel pressure drops to zero at Off with the engine running, and fuel does not drain from the valve's low-point drain in Off. Look for leaks at the valve and fuel lines.

SPECIFICATIONS

Engine Type	piston
Family Max Passengers	2

PERFORMANCE

Family Max Range Nm	590
Family Max Cruise Speed Kt	140
Family Max Service Ceiling Ft	22500

SAFETY NOTES

- After a valve swap, check for leaks and proper operation with the tanks filled. If there are leaks, recheck that every connection is torqued tight.
- Fit the fork that matches the selector shaft, which has one tab wider than the other, and the fittings in the correct ports at the correct angles.
- Use new cotter pins in the fuel valve fork at installation, and follow standard safety precautions such as safety glasses.

AI-aggregated guide for the NORTH AMERICAN AT-6G · sources: Replacement Fuel Selector Valve Component Installation Manual (#100130) · generated 2026-11-25 · Reference only, not for flight. Check the original documents before relying on this guide.