

Cessna 320 Skyknight Model Guide

The Cessna 320 Skyknight is a twin-engine piston aircraft built 1962 to 1969, seating 4 to 6. Variants are the 320, 320-1 and 320A to 320F, with the later ones sold as Executive Skyknight. Family-level registry maxima reach up to 226 kt cruise, 1000 nm range and 29000 ft ceiling. Confirm your own variant's figures in its flight manual.

KEY TAKEAWAYS

- Variants run 320, 320-1, 320A, 320B, 320C, 320D, 320E and 320F; check which one you are buying.
- Engines are Continental turbocharged: TSIO-470 on early models, TSIO-520 on 320D, 320E and 320F.
- Propeller synchronizer is optional equipment; a failed unit is a wiring and actuator check.
- Registry figures are family maxima, not per-variant data. Verify performance in the manual.

ENGINES AND PROPELLERS BY VARIANT

The 320 and 320A have two Continental TSIO-470-B with Hartzell HC-A2XF-2 hubs. The 320B has TSIO-470-C and the 320C has TSIO-470-D with McCauley props. The 320D, 320E and 320F have TSIO-520-B or -BB with McCauley props. Match the installed engine and prop to the type data.

PRODUCTION AND SERIAL NUMBERS

Serial ranges in the type validation: 320 is 320-0001 through 320-0110, 320A 0001 to 0047, 320B 0001 to 0062, 320C 0001 to 0073, 320D 0001 to 0130, 320E 0001 to 0110 and 320F 0001 to 0045. Type Certificate 3A25 covers the family. The 320-1 is eligible for all 320 serials when modified per Cessna kit AK320-28.

SYSTEMS TO INSPECT

The propeller synchronizer has a control box, a slave-engine actuator, a flex shaft and special governors with magnetic pickups. Its range is about plus or minus 50 rpm and it adds about 6 pounds. Check the wiring, the actuator centering and the rod end trimmer bearing. The Haskins heater guide lists heater 8240A for early serials and 96C62 or 96C62-1 for later ones; confirm against the Cessna manual.

PERFORMANCE

Family Max Cruise Speed Kt	226
Family Max Range Nm	1000
Family Max Service Ceiling Ft	29000

SAFETY NOTES

- Turn the propeller synchronizer OFF for takeoff and landing; engine rpm is set by the governors then.
- The Haskins heater guide is reference only; confirm heater part numbers in the Cessna manual.
- The Mexican validation is not valid without its attached limitations sheet.