PARTENAVIA P-68 B Model Guide

PARTENAVIA P-68 B (P68B Victor) is a twin-engine piston aircraft, certified in the normal category. It has two 200 hp Lycoming IO-360 engines with Hartzell constant-speed, feathering propellers. The flight manual gives a maximum takeoff weight of 4321 lbs, or 4387 lbs under the weight-increase appendix. The library lists it as single-engine, but the flight manual describes two engines.

KEY TAKEAWAYS

- Two Lycoming IO-360 engines, each limited to 200 hp and 2700 RPM, with 51.5 gal usable fuel per tank.
- Maximum takeoff weight is 4321 lbs. An appendix allows 4387 lbs, with a maximum landing weight of 4167 lbs.
- Manual cruise data: 166 kts at 75% power burning 20.6 gph, or 150 kts at 55% burning 16.0 gph.
- Aerobatics and spins are prohibited. Demonstrated crosswind is 25 kts.

ENGINES, FUEL AND LOADING

Engines are Lycoming IO-360-A1B or A1B6, each 200 hp at 2700 RPM, on 100/130 minimum grade avgas. Each tank holds 51.5 gal usable and 2.5 gal unusable. Basic operating weight in the manual is 2909 lbs. A cabin placard (older serials) gives maximum baggage as 400 lbs.

WHAT TO CHECK BEFORE BUYING

Confirm which flight manual applies: this one is valid up to serial number 152, and placards and fuel selectors differ between serials up to 122 and 123-152. Check whether the weight-increase appendix is fitted. Check the CG against the limits. Check the propeller RPM markings and the supplements fitted, such as de-icing, auxiliary tanks and autopilot.

FAMILY CONTEXT

The registry covers the whole Partenavia 68 family, not this variant. Across variants it shows up to 1100 nm range, up to 171 kt cruise, up to 25500 ft service ceiling and up to 10 passengers. Use the flight manual figures for this variant.

SPECIFICATIONS

Max Takeoff Weight Lbs	4321
Max Landing Weight Lbs	4100
Engine Power Hp	200
Usable Fuel Per Tank Gal	51.5
Unusable Fuel Per Tank Gal	2.5
Basic Operating Weight Lbs	2909
Propeller Diameter Inches	72
Max Baggage Lbs	400

PERFORMANCE

Cruise Speed 75 Percent Kts	166
Fuel Burn 75 Percent Gph	20.6
Cruise Speed 65 Percent Kts	159
Fuel Burn 65 Percent Gph	18.3
Cruise Speed 55 Percent Kts	150
Fuel Burn 55 Percent Gph	16
Demonstrated Crosswind Kts	25

V-SPEEDS

Never Exceed Kts	193
Max Structural Cruising Kts	153
Manoeuvring Kts	125
Best Rate Of Climb Kts	90
Best Single Engine Climb Kts	88
Min Control Speed Kts	62
Stall Flaps 0 Kts	65
Stall Flaps 35 Kts	60

WEIGHT & BALANCE

Max Takeoff Weight Lbs	4321
Max Landing Weight Lbs	4100
Basic Operating Weight Lbs	2909
Aft Cg Limit Inches	20.7
Forward Cg Limit Max Weight Inches	12.8
Forward Cg Limit Light Inches	10.2
Appendix Max Takeoff Weight Lbs	4387
Appendix Max Landing Weight Lbs	4167

SAFETY NOTES

- Aerobatic manoeuvres, including spins, are prohibited. Minimum single-engine control speed is 62 KIAS.
- Avoid continuous operation between 2100 and 2350 RPM (IO-360-A1B only). Avoid rapid taxi turns with 1/4 fuel or less in each tank.
- Do not lower flaps with the cargo door open. Stall warning is inoperative with battery and alternators off.

AI-aggregated guide for the PARTENAVIA P-68 B · sources: Alfako - Flight Manual (#100412) · P68 & P68B VICTOR FLIGHT MANUAL (#101763) · generated 2026-10-21 · Reference only, not for flight. Check the original documents before relying on this guide.