PARTENAVIA P-68 C Model Guide

PARTENAVIA P-68 C is a twin-engine piston aircraft in the Partenavia P.68 family. No variant-specific data was supplied for it. The figures below come from the supplied P68B Victor flight manual (serials up to 152, two Lycoming IO-360 engines at 200 HP each). Confirm them against the P-68 C's own manual before buying.

KEY TAKEAWAYS

- Family registry data: P.68 variants reach up to 1100 nm range, 171 kt cruise, 10 passengers and 25500 ft ceiling. These are not P-68 C figures.
- P68B Victor manual: max takeoff 4321 lb, max landing 4100 lb, 103 US gal fuel, engines limited to 2700 RPM and 200 HP.
- Manual cruise: 166 kt TAS at 75% power burning 20.6 gph; 150 kt at 55% power burning 16.0 gph (ISA, zero wind).
- Normal category only: aerobatics and spins are prohibited. Maximum demonstrated crosswind is 25 kt.

WEIGHTS, FUEL AND ENGINES

In the P68B Victor manual, max takeoff weight is 4321 lb and max landing weight is 4100 lb. Basic operating weight is 2909 lb. Fuel is 103 US gal of 100/130 avgas, 51.5 gal usable per tank. Engines are two Lycoming IO-360-A1B or A1B6 with Hartzell 72 inch constant-speed, feathering propellers. Baggage placard: 400 lb maximum.

PERFORMANCE AND SPEEDS

Manual cruise at 75% power is 166 kt TAS at 5500 ft, burning 20.6 gph. At 65% it is 159 kt at 9000 ft, burning 18.3 gph. Never-exceed speed is 193 kt CAS. Best single-engine climb is 89 kt CAS and minimum single-engine control speed is 60 kt CAS. Clean stall is 65 kt IAS at max weight.

WHAT TO CHECK BEFORE BUYING

Confirm the manual and serial number match the aircraft, since the manual's placards differ by serial range. Check the oleo gear, tyres and brake hoses for leaks. Check the alternate air doors, alternator output and standby regulator, and magneto drop (normal 100 RPM, max 175 RPM). Test propeller feathering. Check the de-icer boots if fitted. Do not mix different triple engine indicator types.

SPECIFICATIONS

Max Takeoff Weight Lbs	4321
Max Landing Weight Lbs	4100
Basic Operating Weight Lbs	2909
Fuel Capacity Total Gal	103
Usable Fuel Per Tank Gal	51.5
Unusable Fuel Per Tank Gal	2.5
Engine Power Per Engine Hp	200
Max Baggage Lbs	400

PERFORMANCE

Cruise Tas 75pct Kts	166
Fuel Flow 75pct Gph	20.6
Cruise Tas 65pct Kts	159
Fuel Flow 65pct Gph	18.3
Cruise Tas 55pct Kts	150
Fuel Flow 55pct Gph	16
Max Demonstrated Crosswind Kts	25

V-SPEEDS

Never Exceed Kts	193
Max Structural Cruise Kts	153
Maneuvering Speed Kts	125
Best Rate Of Climb Kts	90
Best Single Engine Climb Kts	89
Min Single Engine Control Kts	60
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 At Max Weight Inches	12.8
Forward Cg Limit At 3527 Lbs Inches	10.2
Max Baggage Lbs	400

SAFETY NOTES

- Engine failure below 62 kt IAS on takeoff: close throttles immediately and brake as required.
- Avoid rapid taxi turns or a nose-up attitude with 1/4 fuel or less in each tank.
- Stall warning does not work with battery and alternators off. Do not lower flaps with the cargo door open.