

CESSNA R172K HAWK XP Model Guide

The CESSNA R172K HAWK XP is a single-engine piston Cessna with a fuel-injected Teledyne Continental six-cylinder engine rated 195 BHP at 2600 RPM. It has a constant-speed McCauley two-blade propeller. The handbooks reviewed cover a 1977 and a 1980 airplane. Maximum takeoff weight is 2550 lbs in the Normal category.

KEY TAKEAWAYS

- 195 BHP fuel-injected engine; handbook gives 133 knots maximum at sea level and 130 knots cruise at 80% power at 6000 ft.
- Standard tanks hold 49 gallons usable (52 total); long range tanks hold 66 usable (68 total).
- Maximum takeoff weight is 2550 lbs Normal category, 2200 lbs Utility; baggage is limited to 200 lbs combined.
- The 1977 and 1980 handbooks differ on empty weight, useful load and some range figures, so check the book for the airplane you are buying.

PERFORMANCE

Handbook figures: 870 fpm rate of climb at sea level and a 17,000 ft service ceiling. Takeoff ground roll is 800 ft; landing ground roll is 620 ft (1977 book). Stall speed is 53 knots flaps up and 46 knots flaps down, power off (CAS). Range at 80% power with 49 gallons usable is 440 nm (1980 book) or 480 nm (1977 book). Maximum range at 10,000 ft is 575 nm on 49 gallons and 815 nm on 66 gallons (1980 book).

WEIGHT, FUEL AND LOADING

Standard empty weight for the Hawk XP is 1538 lbs in the 1980 book and 1549 lbs in the 1977 book. Max ramp weight is 2558 lbs. Baggage area 1 takes 200 lbs and area 2 takes 50 lbs, with 200 lbs combined maximum. The CG aft limit is 47.3 inches aft of datum at all weights. Approved fuel is 100LL or 100 grade.

WHAT TO CHECK WHEN BUYING

Confirm the handbook matches the airplane's serial number and has current revisions; the 1980 book names a specific serial number and registration. Confirm which tank set is fitted (standard or long range), the engine model (IO-360-K or IO-360-KB per book), and the actual empty weight and useful load from the weight and balance records.

SPECIFICATIONS

Engine Power Hp	195
Propeller Diameter Max Inches	76
Total Fuel Standard Gal	52
Usable Fuel Standard Gal	49
Total Fuel Long Range Gal	68
Usable Fuel Long Range Gal	66
Max Takeoff Weight Lbs	2550
Wing Span Ft	36

PERFORMANCE

Max Speed Sea Level Kts	133
Cruise Speed 80pct 6000ft Kts	130
Rate Of Climb Fpm	870
Service Ceiling Ft	17000
Takeoff Ground Roll Ft	800
Landing Ground Roll Ft	620
Stall Speed Flaps Up Kts	53
Stall Speed Flaps Down Kts	46

V-SPEEDS

Vne Kts	163
Vno Kts	129
Va At 2550 Lbs Kts	104
Vfe 10 Deg Flaps Kts	110
Vfe Full Flaps Kts	85

WEIGHT & BALANCE

Max Ramp Weight Lbs	2558
Max Takeoff Weight Lbs	2550
Max Landing Weight Lbs	2550
Utility Max Takeoff Weight Lbs	2200
Baggage Area 1 Max Lbs	200
Baggage Area 2 Max Lbs	50
Cg Aft Limit Inches	47.3
Cg Forward Limit At 2550 Lbs Inches	41

SAFETY NOTES

- Flight into known icing conditions is prohibited.
- In the Utility category (2200 lbs max takeoff) the baggage compartment and rear seat must not be occupied.
- In the Normal category, aerobatic maneuvers including spins are not approved.