

Cessna 172S Skyhawk

Specifications

Engine make/model:	Lycoming IO-360-L2A
Horsepower rpm @takeoff:	180@SL
Horsepower for takeoff:	180
TBO hrs.:	2000
Fuel type:	100/100LL
Propeller type/diameter:	76 in. McCauley
Landing gear type:	Tri./Fixed
Max ramp weight (lbs.):	2558
Gross weight (lbs.):	2550
Landing weight (lbs.):	2550
Empty weight, std. (lbs.):	1663
Useful load, std. (lbs.):	895
Payload, full std. fuel (lbs.):	577

Useable fuel, std. (gals.):	53
Oil capacity (qts.):	8
Wingspan:	36 ft. 1 in.
Overall length:	27 ft. 2 in.
Height:	8 ft. 11 in.
Wing area (sq. ft.):	174
Wing loading (lbs./sq. ft.):	14.7
Power loading (lbs./hp.):	14.2
Wheel size (in.):	6.00 x 6
Seating capacity:	4
Cabin doors:	2
Cabin width (in.):	40
Cabin height (in.):	48

Performance

Cruise speed @ 8500 ft. (kts.):

75% power: 124

65% power: 115*

Max range (w/45 min. reserve) (nm):

75% power: 516

45% power: 638

Fuel consumption (gph@.42 lbs./hp/hr.):

75% power: 9.5

45% power: 5.7

V_{so} (kts.): 48

Best rate of climb (SL fpm):	730
Max operating altitude (ft.):	14,000
Takeoff ground roll (ft.):	960
Takeoff over 50-ft. obstacle (ft.):	1630
Landing ground roll (ft.):	575
Landing over 50-ft. obstacle (ft.):	1335

*estimated