

2005 Piper Arrow

Engine make/model:	Lycoming IO-360- C1C6
TBO (hrs.):	2000
Horsepower@altitude (ft.):	200@SL
Horsepower on takeoff:	200
Fuel type:	100/100LL
Propeller type:	McCauley CS
Landing gear type:	Tri./Retr.
Max ramp weight (lbs.):	2758
Gross weight (lbs.):	2750
Landing weight (lbs.):	2750
Empty weight, std. (lbs.):	1787
Useful load, std. (lbs.):	971
Usable fuel, std. (gals.):	72
Payload, full std. fuel (lbs.):	539
Oil capacity (qts.):	8
Wingspan:	35 ft. 5 in.
Overall length:	24 ft. 8 in.
Height:	7 ft. 10 in.
Wing area (sq. ft.):	170
Wing loading (lbs./sq.ft.):	16.2
Power loading (lbs./hp):	13.8
Wheel size (in.):	6.00 x 6
Seating capacity:	4
Cabin doors:	1
Cabin width (in.):	41
Cabin height (in.):	45

PERFORMANCE

Cruise speed, 75% (kts.):	137
Fuel consumption, 75% (gph):	10.6
V _{so} (kts.):	53
Max range, 55% (nm):	880
Best rate of climb, SL (fpm):	831
Service ceiling (ft.):	16,200
Takeoff over 50-ft. obstacle (ft.):	1600
Landing over 50-ft. obstacle (ft.):	1520

Sources: *Jane's All The World's* and New Piper Aircraft