

# Mark IV Specifications

	STOL	Speedwing
Wingspan .....	29 ft. 10.5 in.	23 ft. 11.5 in.
Wing area .....	122.46 sq. ft.	97.31 sq. ft.
Wing chord .....	42 in.	42 in.
Wing chord including flaperons .....	51 in.	51 in.
Aspect ratio .....	57.29	5.50
Wing loading @ gross weight .....	9.39 lbs.	9.36 lbs.
Length .....	17 ft. 11 in.	17 ft. 11 in.
Length with wings folded .....	19 ft. 9.5 in.	17 ft. 11 in.
Width with wings folded .....	7 ft. 9.5 in.	7 ft. 9.5 in.
Height .....	71 in.	71 in.
Empty weight .....	440-510 lbs.	510 lbs.
Gross weight .....	1,150 lbs.	1,050 lbs.
Useful load .....	640+ lbs.	640+ lbs.
Fuel capacity .....	14 gals.	18 gals.
Fuel consumption .....	3.5 gals./hr.	3.5 gals./hr.
Range .....	340 mi. (no reserve)	566 mi. (no reserve)
Propeller (wood) .....	74 in. fixed pitch	68 in. 3-blade grd. adj.

# Mark IV Performance

	STOL		Speedwing	
	Solo	Gross	Solo	Gross
Weight .....	690 lbs.	1,150 lbs.	580 lbs.	911 lbs.
Cruise speed .....	90 mph	90 mph	*120 mph	*120 mph
Stall speed .....	32 mph	36 mph	42 mph	46 mph
Never exceed speed (VNE) .....	135 mph	135 mph	150 mph	150 mph
Rate of climb .....	1,700 fpm	1,000 fpm	1,200 fpm	850 fpm
Climb angle .....	45°	28°	N/A	N/A
Best rate of climb speed (VY) .....	45 mph	50 mph	57 mph	60 mph
Best angle of climb speed (VX) .....	40 mph	45 mph	52 mph	55 mph
Take-off distance .....	90 ft.	140 ft.	125 ft.	300 ft.
Over 50 ft. obstacle .....	200 ft.	350 ft.	250 ft.	500 ft.
Landing distance .....	150 ft.	200 ft.	500 ft.	600 ft.
Service ceiling .....	12,500+ ft.	12,500+ ft.	12,500+ ft.	12,500+ ft.

\*With 912 engine – approximately 10 mph less with 582 engine

Wing kit .....
Fuselage kit .....
Landing gear kit .....
Tail kit .....
Engine kit (includes R .....
Engine kit (includes R .....
Finish and cover kit .....
"AN" hardware kit .....
<b>Total .....</b>