

Valley Engineering Back Yard Flyer "Swing-Wing" Aircraft and Engine Specifications

Back Yard Flyer Specifications	Big Twin Engine Specifications And Quick Facts
Cruise: 60 MPH	Fuel Burn: 5-6 qt per hour
Max: 63 MPH (103 maximum)	Weight: 120 (PSRU, prop, electric start, exhaust)
Fuel Tank: 5 gal	HP: 40 peak, 33 continuous
Max Pilot Weight: 275 lbs	PSRU Ratio: 1.5-2.92
Wing Span: 26 ft	Carburetor: Weber 1 barrel
Wing Area: 130 sq ft	Extraordinary Features
Height: 74"	Plane:
Length: 17'6"	<ul style="list-style-type: none"> · Swing wing · ballistic recovery chute · removable lading gear · removable ailerons · removable horizontal stabilizers · removable doors · removable wing · two part stick makes getting in and out a easy task
Empty Weight 254lbs (278 lbs withBRS chute)	Engine:
Take Off Distance 120 ft	<ul style="list-style-type: none"> · 4 Stroke · Valley Engineering PSRU · Electric start · Custom intake manifold · Custom automatic carb heat · Owners Manual · PSRU instillation video
Landing Distance 100 ft	
Rate of Climb 800 ft per min.	
Glide Slope 8 to1	
Gauges: oil pressure, tiny tach, airspeed indicator	
Brakes: individual drum	
Construction: all welded aluminum	
Stored Configuration	
Length: 26 ft	
Width: 83"	
Tall: 74"	

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