



BushCat

LIGHT SPORT AIRCRAFT



SPECIFICATIONS		NOSEWHEEL & TAILWHEEL		AMPHIBIOUS
Empty Weight (no options)	703		845	
Wing Span	31.5 ft		31.5 ft	
Wing Area	142 ft ²		142 ft ²	
Chord	54 inches		54 inches	
Aspect ratio	7.01		7.01	
Length	17.2 ft		19.8 ft	
Height (At Wing)	7.5 ft		10.5 ft	
Cockpit Height	54 inches		54 inches	
Width	55.25 inches		55.25 inches	
Headroom	33.5 inches		33.5 inches	
Legroom	43.3 inches		43.3 inches	
Seats	2		2	
Baggage Compartment	Max. 66 lbs		Max 66 lbs	
Fuel Capacity	24.8 Gallons		24.8 Gallons	
Doors	2		2	
Dual rudder foot controls	std		std	
Central aileron and elev.	std		std	
Central Flap controls	std		std	
Dual throttle controls	std		std	
4 Point seat harness	std		std	
POWER PLANT	ROTAX 582	ROTAX 912UL	ROTAX 912ULS	AMPHIBIOUS
Engine	582/99 UL	912 UL	912 ULS	912 ULS
Output	65 HP	80 HP	100 HP	100 HP
Propeller	2 / 3 Blade	2 / 3 Blade	2 / 3 Blade	2 / 3 Blade
Reduction ratio	3.47 : 1	2.43 : 1	2.43 : 1	2.43 : 1
Fuel Consumption (80%)	3.8 Gal / hr	4.2 Gal / hr	4.6 gal / hr	4.0 gal / hr
PERFORMANCE AT SEA LEVEL at MAUW	ROTAX 582	ROTAX 912UL	ROTAX 912ULS	AMPHIBIOUS
Take Off Roll	472 ft	472 ft	472 ft	540 ft (water)
Rate Of Climb	700 ft/min	920 ft/min	1050 ft/min	850 ft/min
Service Ceiling	12,000 ft asl	12,000 ft asl	14,000 ft asl	12,000 ft asl
Max crosswind component	32 mph	32 mph	32 mph	20 mph
Cruise Speed (65%)	75 mph	95 mph	105 mph	90 mph
Maximum level Speed	100 mph	105 mph	110 mph	105 mph
VNE	125 mph	125 mph	125 mph	115 mph
Glide Ratio	~11:1	~11:1	~11:1	~8:1
Power Off Stall, No Flaps	42 mph	42 mph	42 mph	42 mph
Power Off Stall, Flaps	38 mph	38 mph	38 mph	38 mph
Landing Ground Roll	235 ft	235 ft	235 ft	305 ft
Gross Weight	1320	1320	1320	1430
Useful Load	617	617	617	585
Load Factors	+6 -4	+6 -4	+6 -4	+5 -3
Roll Rate	~3 sec 45/45	~3 sec 45/45	~3 sec 45/45	~3 sec 45/45
Endurance (with reserve)	~6.5 hrs	~7.5 hrs	~7.0 hrs	~7.0 hrs
Range (with reserve)	~500 miles	~670 miles	~700 miles	~650 miles

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