



# BushCat

## LIGHT SPORT AIRCRAFT



SPECIFICATIONS		NOSEWHEEL & TAILWHEEL		AMPHIBIOUS
Empty Weight (no options)	617		865	
Wing Span	31.5 ft		31.5 ft	
Wing Area	142 ft <sup>2</sup>		142 ft <sup>2</sup>	
Chord	54 inches		54 inches	
Aspect ratio	7.01		7.01	
Length	18.6 ft		18.6 ft	
Height ( At Wing)	6.23 ft		8.10 ft	
Cockpit Height	54 inches		54 inches	
Width	47.25 inches		47.25 inches	
Headroom	33.5 inches		33.5 inches	
Legroom	43.3 inches		43.3 inches	
Seats	2		2	
Baggage Compartment	2 x 25 L (max 81 lbs)		2 x 25 L (max 81 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	4.5 Gal / hr	5 gal / hr	5 gal / hr
PERFORMANCE AT SEA LEVEL at MAUW	ROTAX 582	ROTAX 912UL	ROTAX 912ULS	AMPHIBIOUS
Take Off Roll	328 ft	328 ft	262 ft	540 ft (water)
Rate Of Climb	700 ft/min	1000 ft/min	1200 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	~10:1	~10:1	~10:1	~8:1
Power Off Stall, No Flaps	40 mph	40 mph	40 mph	40 mph
Power Off Stall, Flaps	35 mph	35 mph	35 mph	35 mph
Landing Ground Roll	235 ft	235 ft	235 ft	305 ft
Gross Weight	1245	1245	1245	1430
Useful Load	628	628	628	565
Load Factors	+6 -4	+6 -4	+6 -4	2
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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