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5 Sailplane Texaco Conversion - Prop selection

1 message

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Report No. 5

Sailplane Texaco Conversion

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The table below is a summary of the computer runs Jay Burkart made for me to assess the Sailplane's Texaco performal with three candidate APC E-props at full throttle. The Powerhobby 2000 mAh 25 50C LiPo battery pack powering the TexaNEU 1107/6D/5/P29/5.2 (1450 KV) motor and gear box.

Texaco	Prop	Area	Weight	Thrust	T/W	ROC	Battery	Run Time	Time X ROC/2
Model	APC	sq. in.	OZ	OZ	~	ft/min	mAh	Min	ft
Sailplane (P)	16X12E	890	82	32.5	0.40	482	2000	11.1	2675
Sailplane (p)	17X12E	890	82	37.2	0.45	516	2000	9.2	2374
Sailplane (P)	18X12E	890	82	41.9	0.51	546	2000	7.8	2129

CONCLUSIONS

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