



A quality radio controlled aircraft building service

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Propeller Tip Speed Chart (MPH)

		Propeller Diameter (Inches)														
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Engine Speed (RPM)	6,000	125	143	161	179	196	214	232	250	268	286	303	321	339	357	375
	6,500	135	155	174	193	213	232	251	271	290	309	329	348	367	387	406
	7,000	146	167	187	208	229	250	271	292	312	333	354	375	396	417	437
	7,500	156	179	201	223	245	268	290	312	335	357	379	402	424	446	469
	8,000	167	190	214	238	262	286	309	333	357	381	405	428	452	476	500
	8,500	177	202	228	253	278	303	329	354	379	405	430	455	481	506	531
	9,000	187	214	241	268	295	321	348	375	402	428	455	482	509	536	562
	9,500	198	226	254	283	311	339	367	396	424	452	481	509	537	565	594
	10,000	208	238	268	298	327	357	387	417	446	476	506	536	565	595	625
	10,500	219	250	281	312	344	375	406	437	469	500	531	562	594	625	656
	11,000	229	262	295	327	360	393	425	458	491	524	556	589	622	655	687
	11,500	240	274	308	342	376	411	445	479	513	547	582	616	650	684	719
	12,000	250	286	321	357	393	428	464	500	536	571	607	643	678	714	750
12,500	260	298	335	372	409	446	483	521	558	595	632	669	707	744	781	

To obtain a prop tip speed that you will have a chance of meeting that 82dB level, I suggest you aim for 350mph or less with square ended props (e.g. graupner) & around 400mph or less with round ended props (e.g. APC or Bolly)

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