



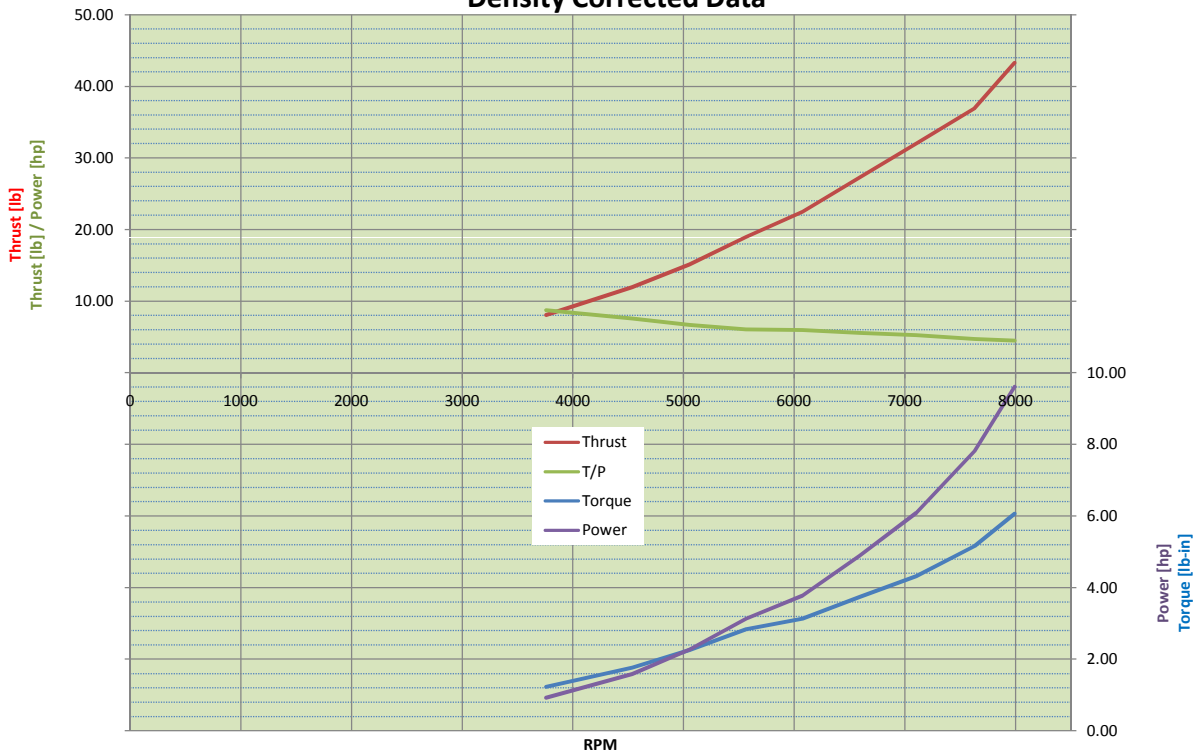
Propeller test results

Dyno #2

Prop	Xoar 22x10 2 blade solid wood			Temp	82.0 °F	Relative Humidity	34 %
Prop dia.	22.00 inches	# blades	2	Pressure	30.03 in Hg		
Operator	Chris P.			standard density 0.002377 slugs / ft ³			
Date	2010-07-29	Time	15:26:36	test density (ρ) 0.002284 slugs / ft ³			

	3760	4537	5055	5566	6076	6594	7107	7632	7993	
Density Corrected										hp
power	0.92	1.59	2.26	3.13	3.78	4.89	6.09	7.81	9.61	lb-ft
torque	1.23	1.76	2.26	2.83	3.13	3.74	4.32	5.16	6.06	lb
thrust	8.07	11.98	15.11	18.99	22.48	27.28	32.01	36.96	43.30	lb / hp
T/P	8.75	7.58	6.70	6.08	5.96	5.58	5.26	4.73	4.51	dB / lb
dB/T	9.22	6.22	5.68	4.70	4.11	3.51	3.05	2.70	2.42	C band
dB	74.47	74.49	85.83	89.28	92.36	95.67	97.60	99.94	104.59	Mach
tip speed	0.32	0.39	0.44	0.48	0.52	0.57	0.61	0.66	0.69	dB / M
dB/tip speed	229.99	190.66	197.17	186.25	176.53	168.49	159.48	152.05	151.95	

Density Corrected Data



NOTES

Density is calculated according to NBSIR 77-1278 using dry bulb temp, absolute pressure, and relative humidity.

Atmospheric conditions are @ McMinnville airport, Oregon from Weather Underground.