

Optimal Propeller Calculator

(Designed for RC Aircraft Models)

The engine's maximum performance. Horsepower:	<input type="text" value="2.3"/>
The RPM from which the torque is good and the engine can produce the given performance:	<input type="text" value="7200"/>
The engine's maximum RPM. Not the possible, but the safest maximum:	<input type="text" value="8500"/>
Important Information >>>>	<input type="button" value="Read"/>
After manually modifying the entered data, hit the Calculate button >>>>	<input type="button" value="Calculate"/>

Optimal Propeller Configurations									
Diameter	Pitch	RPM	Perimeter Speed	Thrust kg	Thrust pound	Thrust oz	Fly speed km/h	Fly speed mph	Fly speed knots
18	8	7387 RPM	177 m/s	6.97 kg	15.36 pound	245.76 oz	90.1 km/h	56.0 mph	48.6 knots
18	6	8131 RPM	195 m/s	8.44 kg	18.61 pound	297.72 oz	74.3 km/h	46.2 mph	40.1 knots
17	10	7401 RPM	167 m/s	5.56 kg	12.27 pound	196.25 oz	112.8 km/h	70.1 mph	60.9 knots
17	8	7972 RPM	180 m/s	6.46 kg	14.23 pound	227.73 oz	97.2 km/h	60.4 mph	52.5 knots
16	13	7352 RPM	156 m/s	4.31 kg	9.50 pound	151.96 oz	145.7 km/h	90.5 mph	78.6 knots
16	12	7551 RPM	161 m/s	4.54 kg	10.02 pound	160.29 oz	138.1 km/h	85.8 mph	74.6 knots
16	11	7773 RPM	165 m/s	4.82 kg	10.62 pound	169.87 oz	130.3 km/h	81.0 mph	70.4 knots
16	10	8024 RPM	171 m/s	5.13 kg	11.31 pound	181.01 oz	122.3 km/h	76.0 mph	66.0 knots
15.75	13	7508 RPM	157 m/s	4.22 kg	9.30 pound	148.81 oz	148.7 km/h	92.4 mph	80.3 knots
15.5	12	7877 RPM	162 m/s	4.36 kg	9.60 pound	153.65 oz	144.1 km/h	89.5 mph	77.8 knots
15	13	8013 RPM	160 m/s	3.95 kg	8.71 pound	139.43 oz	158.7 km/h	98.6 mph	85.7 knots
15	12	8229 RPM	164 m/s	4.17 kg	9.19 pound	147.08 oz	150.5 km/h	93.5 mph	81.3 knots
15	11	8471 RPM	169 m/s	4.42 kg	9.74 pound	155.86 oz	142.0 km/h	88.2 mph	76.7 knots
14.4	13	8461 RPM	162 m/s	3.74 kg	8.25 pound	132.05 oz	167.6 km/h	104.2 mph	90.5 knots