

Test Data For Rossi 40 Quickie 500 Engine

Rossi 41R40T Quickie 500 Engine Tested with 10% Nitro fuel.

- A) Rossi 4011 Mini Tuned Silencer.
- B) Rossi 4015 Tuned Silencer.
- C) Nelson Ultra Thrust Pylon Racing Muffler.
- D) Nelson Ultra Thrust Sport Racing Muffler.

RPM AND STATIC THRUST TABLE				
Propeller	A	B	C	D
8.5 x 7.5	17000 RPM 1.58Kg(3.5lbs)	15600 RPM 1.49Kg(3.3lbs)	13500 RPM 1.17Kg(2.6lbs)	17000 RPM 1.58Kg(3.5lbs)
9 x 6	16600 RPM 2.31lbs(5.1lbs)	15600 RPM 1.99Kg(4.4lbs)	13000 RPM 1.58Kg(3.5lbs)	16500 RPM 2.22Kg(4.9lbs)
9 x 7	16000 RPM 2.22Kg(4.9lbs)	15000 RPM 2Kg(4.43lbs)	13000 RPM 1.45Kg(3.2)	16500 RPM 2.31Kg(5.1lbs)
9 x 8	12800 RPM 1.49Kg(3.3lbs)	14600 RPM 2Kg(4.43lbs)	12500 RPM 1.4Kg(3.1lbs)	15500 RPM 2.04Kg(4.5lbs)
9 x 9	12800 RPM 1.58Kg(3.5lbs)	14400 RPM 2Kg(4.43lbs)	12000 RPM 1.49Kg(3.3lbs)	11300 RPM 1.31Kg(2.9lbs)
10 x 4	16800 RPM 2.99Kg(6.6lbs)	15300 RPM 2.61Kg(5.76lbs)	12900 RPM 1.81Kg(4lbs)	16500 RPM 2.81Kg(6.2lbs)
10 x 5	13000 RPM 2.08Kg(4.6lbs)	15000 RPM 2.81Kg(6.2lbs)	12300 RPM 1.99Kg(4.4lbs)	12800 RPM 1.9Kg(4.2lbs)
10 x 6	12600 RPM 2.31Kg(5.1lbs)	14300 RPM 2.49Kg(5.5lbs)	12100 RPM 1.99Kg(4.4lbs)	12000 RPM 1.81Kg(4lbs)
10 x 7	12000 RPM 2.04Kg(4.5lbs)	11400 RPM 1.9Kg(4.2lbs)	11100 RPM 1.67Kg(3.7lbs)	11000 RPM 1.81Kg(4lbs)
10 x 8	11300 RPM 1.81Kg(4.0lbs)	10800 RPM 1.67Kg(3.7lbs)	10600 RPM 1.49Kg(3.3lbs)	10300 RPM 1.58Kg(3.5lbs)
11 x 4	12800 RPM 2.49Kg(5.5lbs)	13500 RPM 2.9Kg(6.4lbs)	11800 RPM 2.08Kg(4.6lbs)	11200 RPM 1.81Kg(4lbs)
11 x 5	11800 RPM 2.4Kg(5.3lbs)	11000 RPM 2.22Kg(4.9lbs)	10200 RPM 1.9Kg(4.2lbs)	10500 RPM 1.9Kg(4.2lbs)
12 x 4	11800 RPM 2.49Kg(5.5lbs)	10900 RPM 2.4Kg(5.3lbs)	10800 RPM 2.22Kg(4.9lbs)	10500 RPM 1.99Kg(4.4lbs)

Picture of the Engine Test Stand, RPM tachometer, 25 lbs digital fish scale, and thermometer used to test and record the test data for Rossi engines.

The chains restrain the engine from moving while mounted on car wheels on the test bench. The fish scale is hooked from the back and pulled to measure the engine thrust.

