



Rotax 582 Performance Specifications

Specifications @ 55' above sea level at 59 degrees.

Caution: call Sport Copter and speak to a CFI to brief you on the differences to transition to fly a Vortex or make an appointment for dual instruction.

Maximum Airspeed (VNE)	100 MPH
Cruise airspeed	55-75 MPH
Max speed straight and level 582 Rotax	80 MPH
Best angle climb VX	38 MPH
Best rate Climb VY	40 MPH
Approach speed	45 MPH
Approach speed engine flight Idle	50 MPH
Stick back minimum balance speed nose off the ground 1 inch off	18-20 MPH
Lift off speed	25-30 MPH

Take off: Aircraft aligned toe brakes set Pre rotor engaged at 2900 engine RPM, must be slipped to slowly start rotor. Keep slowly pressing to fully engage pre rotor lever. Synchronize lever pressure and engine RPM for smooth rotor run up. When Pre rotor lever's fully engaged increase engine rpm (and move stick to full aft position ¼ of an inch forward off the rear rotor stop) to a maximum of 4800 engine rpm will spin rotor to 250 plus rotor rpm.

Release brakes and pre rotor lever. Advance throttle to maintain rotor RPM. Balance nose wheel 1 inch off ground during take off run, with main wheels on ground (when nose starts to lift, move control stick forward to prevent an abrupt lift off. Nose wheel due to the ability to caster, nose wheel may make contact to ground during take off run and landing roll).

Jim – C.F.I. (503) 936-8078