

Operating Limitations: Schweizer 300C

MTOW	Serial No 210 and subs.	Maximum	2050 lbs
		Maximum gross in cabin	600 lbs
Speed (Vne)	Power-on	Maximum	95 kts; Refer to Vne placard
	Power-off		~75 kts; Refer to Vne placard
	Doors removed		89 kts
	Best rate of climb		~41 kts
Altitude	<= 1700 lbs	Maximum	14'600 ft Density Altitude
	> 1700 lbs	Maximum	12'000 ft Density Altitude
Main Rotor	Power-on	Maximum	471 RPM
		Minimum	442 RPM
	Power-off	Maximum	504 RRPM
		Minimum	390 RRPM
Engine Power	Manifold Pressure	Maximum	27.2 IN. Hg
		Maximum yellow arc	23.3 – 27.2 In. Hg Refer to Limit M.P. placard
Engine RPM	Flight	Maximum	3200 RPM
		Minimum	3000 RPM
	Idle	Range	1200 – 1600 RPM
	Clutch engagement	Range	1500 – 1600 RPM
	With rotor disengaged	Maximum	1600 RPM
Cylinder Head	Temperature	Maximum	500°F
		Maximum yellow arc	450 – 500°F
		Range	230 – 450 °F
Engine Oil	Pressure	Maximum	115 psi
		Minimum	55 psi
		Range	55 - 95 psi
	Temperature	Maximum	270°F
		Range	100 - 250°F
Transmission Oil	Pressure	Maximum	70 psi
		Continuous	30 psi - 50 psi
		Minimum	30 psi
	Temperature	Maximum	110°C
Fuel	Pressure	Maximum	35 psi
		Minimum	14 psi
		Continuous	14 - 30 psi
	Boost pump	Mandatory for	Take-off, landings and below 450 ft AGL
	Capacity	Main Tank	30 gallons
		Aux Tank	19 gallons
Flow		~13 gal/h	
Pilot & Pax	Pilot	Minimum	1 on left seat
	Persons carried	Maximum	3 (pilot included)