

FLIGHT PHASES SCHEMA - CIRRUS SR22 TN G3 - N4927



START	TAXI	RUNUP	TAKEOFF	CLIMB BEST ANGLE OF	CLIMB BEST RATE OF	CLIMB IN ALTITUDE <18'000 FT	CLIMB IN ALTITUDE >18'000 FT	CLIMB CRUISE LEAN OF PEAK	CRUISE Maximum power (85%)	CRUISE Normal Power (75%) PREFERRED	CRUISE Economy power (65%)	DESCENT	LANDING
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Consumption	USG			35-36	35-36			17.0 - 17.6	17.6	16	14.0			
CHT	°F	Below 380°											Above 240°	
Manifold Pressure	inch			29.6' (max 32' 2 min.)		29.6' (max 31')	29.6' (max 31')	29.6' (max 31')		29' - 29.6'	26' - 28.5'	22' - 25'	>15'	
Speed	Kts			Vr 70-73	Vx 79	Vy 101	Vc 120 130 > 7'500 ft		Vc 130-140 > ²					80-85
Fuel Pump		Low Boost (Prime 5-8" until reg. FF if cold)	Low Boost	Low Boost	Low Boost	Low Boost	Low Boost	Low Boost (ev. High Boost) ¹	Low Boost	Low Boost (ev. Off after 30')	Low Boost (ev. Off after 30')	Low Boost (ev. Off after 30')	Low Boost	Low Boost
Mixture		Full Rich	Lean Max RPM (miXture)	Full Rich	Full Rich	Full Rich	Full Rich	Full Rich	Mix	Mix	Mix	Mix (reduce slowly if CHT high)	Mix	Full Rich
Power	%	Max Power then 1/4 inch		Max Power	Max Power	Max Power	Max Power	Max Power	Max Power	85%	75%	65%		
RPM		1'000	1'000	1'700	2'700	Max 2'700	Max 2'700	Max 2'700	Max 2'700	2'500	2'500	2'500		
Oil Temperature	°F		> 100°	> 150°										

¹ Activate High Pump if: 1) Fuel flow Fluctuation, 2) Rise EGT+TIT and Decreasing FuelFlow, 3) Rise CHT

² Check T_{max} always < 380°. Otherwise: 1) increase speed, 2) reduce FF (from 17.6 to 17.0), 3) switch to Climb full rich (climb in altitude)