

305 Rocket

Power Settings

Performance

Flight Profile	Power Settings						12,000 ft	18,000 ft	24,000 ft
	Power %	BHP hp	MAP In Hg	RPM	FF (MIN) gph	**TIT (MAX)** deg F			
Takeoff	100	305	38	2650	33.0 - 32.0	(1450)	Best Angle = 91 KTAS @ 1250 fpm Best Rate = 108 KTAS @ 1650 fpm Best Rate = 130 KTAS @ 1450 fpm		
Climb	100	305	38	2650	33.0 - 32.0	(1450)			
	88	270	35	2500	27.6 - 26.0	(1500)			
Max Power Continuous	80	245	34	2400	26.0 - 25.0	(1550)	210 KTAS	224 KTAS	235 KTAS
Max Cruise	78	240	33	2400	25.0 - 24.0	(1550)	208 KTAS	220 KTAS	230 KTAS
Recom Cruise	76	235	32	2400	22.0 (21.0)	1600 (1650)	205 KTAS	218 KTAS	228 KTAS
Normal	75	230	31	2400	21.0 (20.0)	1600 (1650)	203 KTAS	215 KTAS	225 KTAS
Norm Cruise	72	220	31	2300	20.0 (19.0)	1600 (1650)	198 KTAS	212 KTAS	222 KTAS
Economy	65	200	30	2200	18.0 (17.0)	1600 (1625)	195 KTAS	208 KTAS	218 KTAS
Econ Cruise	55	170	26	2200	15.0 (14.0)	1600 (1625)	186 KTAS	195 KTAS	208 KTAS

Recommended Settings

Continuous TIT = or less than 1600°F
 70% - 75% Lean 75 - 100°F rich of peak
 60% - 65% Lean 50 - 75°F rich of peak
 55% Lean 25 - 50°F rich of peak

(Not to Exceed Settings)

(**** TIT MAX = 1650°F ****)
 70% - 75% Lean 50°F rich of peak
 60% - 65% Lean 25°F rich of peak
 55% Lean 10°F rich of peak

Caution: No Leaning Above 75% Power

Verify TIT Accuracy Each Flight — Max TIT Limit 1700°F for 1 Min.

** Reduce Power @ 1"Hg/min max
 ** Min Descent Power 25"Hg & 2200 RPM
 ** Cool Engine 5 min. Before Shutdown
 ** Emergency Engine Failure: Proceed to nearest airport or landing site
 ** Feathered Glide Speed - 85 to 90 KIAS
 @ 475 fpm Descent, 475 ft = 1 NM