

PART THROTTLE FUEL CONSUPTION

Mixture full rich or leaned for best economy

Power settings 42%--77%

Lycoming 0-320

Lycoming does not recommend leaning you engine above 75% power. This chart helps to safely lean your 0-320 and it also predicts your fuel consumption at various power levels at rich or lean mixture settings. A manifold pressure gauge is required to use this chart. If you do not have a manifold pressure gauge they are inexpensive (2.5"dia. less than \$100.00 in Aircraft Spruce) and they are very easy to install. This chart was compiled using graphs in the Lycoming operators manual.

RPM	M.P.	%H.P.	Rich Full Gal/Hr.	Best Economy Gal/Hr.		RPM	M.P.	%H.P.	Full Rich Gal/Hr.	Best Economy Gal/Hr.
2200	26	73%	9.75			2500	24	75%	10	8.5
	25	69%	9				23	70%	9.7	8
	24	65%	8.5	7.25			22	65%	8.5	7.6
	23	60%	8	7			21	61%	8.2	7.2
	22	57%	7.5	6.6			20	56%	7.75	6.75
	21	54%	7.25	6.25			19	52%	7.5	6.2
	20	49%	7	6			18	46%	7.2	5.7
	19	45%	6.8	5.6						
	18	42%	6.5	5.3						
2300	25	73%	9.5			2600	24	77%	10.2	8.75
	24	69%	9	7.75			23	72%	9.5	8.3
	23	65%	8.5	7.3			22	67%	9	7.8
	22	60%	8	6.9			21	62%	8.5	7.45
	21	56%	7.6	6.5			20	57%	8.1	7.1
	20	52%	7.3	6			19	52%	7.6	6.4
	19	47%	7	5.5			18	47%	7.2	5.9
	18	43%	6.75							
2400	25	77%	10	8.4						
	24	72%	9.5	8.1						
	23	68%	9	7.8						
	22	63%	8.5	7.4						
	21	59%	8	7						
	20	55%	7.5	6.5						
	19	50%	7.2	6						
	18	45%	7	5.5						