

## 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.
<b>2200</b>	26	73%	9.75		<b>2500</b>	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					
<b>2300</b>	25	73%	9.5		<b>2600</b>	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						
<b>2400</b>	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					