

PART THROTTLE FUEL CONSUMPTION

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 | | | | | |