

AVCON

INDUSTRIES, INC.

FUEL AND POWER CHART - LYCOMING MODEL O-360-A, 180 HP ENGINE

Press. Alt. 1000 Feet	Std. Alt. Temp. °F	99 HP—55% Rated Approx. Fuel 7.4 Gal./Hr. RPM & MAN. PRESS.				117 HP—65% Rated Approx. Fuel 8.8 Gal./Hr. RPM & MAN. PRESS.				135 HP—75% Rated Approx. Fuel 10 Gal./Hr. RPM & MAN. PRESS.		
		2100	2200	2300	2400	2100	2200	2300	2400	2200	2300	2400
SL	59	20.9	20.3	19.8	19.3	23.3	22.7	22.1	21.5	25.1	24.5	23.9
1	55	20.7	20.1	19.6	19.1	23.1	22.4	21.8	21.3	24.8	24.2	23.6
2	52	20.4	19.8	19.3	18.8	22.8	22.1	21.6	21.0	24.6	24.0	23.4
3	48	20.2	19.6	19.1	18.6	22.5	21.9	21.3	20.8	24.3	23.7	23.2
4	45	19.9	19.3	18.9	18.4	22.3	21.6	21.1	20.6	24.0	23.5	22.9
5	41	19.7	19.1	18.7	18.2	22.0	21.4	20.9	20.3	23.8	23.2	22.7
6	38	19.5	18.9	18.4	18.0	21.8	21.1	20.6	20.1	-----	23.0	22.5
7	34	19.3	18.7	18.2	17.8	21.5	20.9	20.4	19.9	-----	-----	22.2
8	31	19.0	18.4	18.0	17.6	21.3	20.7	20.2	19.7			
9	27	18.8	18.2	17.8	17.4	-----	20.4	20.0	19.5			
10	23	18.6	18.0	17.6	17.2	-----	-----	19.8	19.3			
11	19	18.4	17.8	17.4	17.0	-----	-----	-----	19.1			
12	16	18.2	17.6	17.2	16.8							
13	12	-----	17.4	17.0	16.7							
14	9	-----	-----	16.8	16.5							
15	5	-----	-----	-----	16.3							

To maintain constant power, correct manifold pressure approximately 0.17" Hg for each 10° F. variation in carburetor air temperature from standard altitude temperature. Add manifold pressure for air temperatures above standard; subtract for temperatures below standard.