

LYCOMING POWER CHART

IO-540 Series (250 hp) C. S.

.17" HG

Press. Alt. 1000 Feet	Std. Alt. Temp. °F	138 HP — 55% Rated Approx. Fuel 10.6 Gal./Hr. RPM AND MAN. PRESS.				163HP — 65% Rated Approx. Fuel 11.9 Gal./Hr. RPM AND MAN. PRESS.				188 HP — 75% Rated Approx. Fuel 13.7 Gal./Hr. RPM AND MAN. PRESS.		
		2100	2200	2300	2400	2100	2200	2300	2400	2200	2300	2400
SL	59	21.9	21.0	20.2	19.6	24.6	23.5	22.7	22.0	26.2	25.2	24.4
1	55	21.7	20.8	20.0	19.4	24.4	23.3	22.5	21.8	25.9	25.0	24.1
2	52	21.4	20.6	19.8	19.2	24.1	23.0	22.2	21.5	25.6	24.7	23.9
3	48	21.2	20.3	19.6	19.0	23.8	22.8	22.0	21.3	25.3	24.5	23.6
4	45	20.9	20.1	19.4	18.8	23.6	22.5	21.8	21.1	25.0	24.2	23.4
5	41	20.7	19.9	19.2	18.6	23.3	22.3	21.5	20.9	24.8	24.0	23.1
5	38	20.5	19.6	19.0	18.4	23.1	22.0	21.3	20.7	24.6	23.8	22.9
7	34	20.2	19.4	18.8	18.2	22.8	21.8	21.1	20.4	—	23.6	22.7
8	31	20.0	19.2	18.5	18.0	22.6	21.5	20.8	20.2	—	—	22.5
9	27	19.8	18.9	18.3	17.8	22.4	21.3	20.6	20.0	—	—	—
10	23	19.5	18.7	18.1	17.6	—	21.1	20.3	19.8	—	—	—
11	19	19.3	18.5	17.9	17.4	—	—	20.1	19.6	—	—	—
12	16	19.1	18.2	17.7	17.2	—	—	—	19.4	—	—	—
13	12	18.9	18.0	17.5	17.0	—	—	—	—	—	—	—
14	9	—	17.8	17.3	16.8	—	—	—	—	—	—	—
5	5	—	—	17.1	16.6	—	—	—	—	—	—	—

When using Hartzell Propeller HC-E2YK-2R5/8465-7R with IO-540-C4B5 engine. DO NOT EXCEED 27" MANIFOLD PRESSURE BELOW 2300 RPM OR 25" BELOW 2000 RPM.

TO MAINTAIN CONSTANT POWER, CORRECT MANIFOLD PRESSURE APPROXIMATELY 0.17" HG. FOR EACH 10°F VARIATION IN INDUCTION AIR TEMPERATURE FROM STANDARD ALTITUDE TEMPERATURE. ADD MANIFOLD PRESSURE FOR AIR TEMPERATURES ABOVE STANDARD; SUBTRACT FOR TEMPERATURES BELOW STANDARD.