

CRUISE PERFORMANCE

CONDITIONS

1. Standard temperature
2. All figures based on gross weight of 1950 lb
3. Recommended lean mixture, see Section III.

Super Decathlon											
% BHP	RPM	M.P	TAS MPH	GPH		% BHP	RPM	M.P	TAS MPH	GPH	
2500 FT					7500 FT						
85	2600	25.3	151	12.5	80	2600	23.0	154	12.0		
80		24.1	147	12.0	75		21.8	151	9.7		
75		23.0	144	9.7	70		20.6	146	9.3		
70		21.8	139	9.3	65		19.5	141	8.8		
65		20.6	136	8.8	60		18.4	136	8.3		
60		19.5	131	8.3	55		17.2	131	7.9		
85	2500	25.9	151	12.3	80	2500	23.6	154	11.8		
80		24.7	147	11.8	75		22.4	151	9.6		
75		23.5	144	9.6	70		21.2	146	9.1		
70		22.3	139	9.1	65		20.0	141	8.7		
65		21.1	136	8.7	60		18.7	136	8.1		
60		19.9	131	8.1	55		17.5	131	7.7		
85	2400	26.5	151	12.2	80	2400	24.3	154	11.5		
80		25.2	147	11.5	75		23.0	151	9.5		
75		24.0	144	9.5	70		21.8	146	8.9		
70		22.8	139	8.9	65		20.5	141	8.5		
65		21.5	136	8.5	60		19.2	136	8.0		
60		20.3	131	8.0	55		18.0	131	7.6		
5000 FT					10000 FT						
80	2600	23.6	151	12.0	70	2600	20.2	150	9.3		
75		22.4	147	9.7	65		19.0	145	8.8		
70		21.3	143	9.3	60		17.8	139	8.3		
65		20.1	139	8.8	55		16.7	133	7.9		
60		18.9	134	8.3	50		15.5	125	7.4		
55		17.7	128	7.9	45		14.3	116	6.9		
80	2500	24.1	151	11.8	70	2500	20.6	150	9.1		
75		22.9	147	9.6	65		19.4	145	8.7		
70		21.7	143	9.1	60		18.2	139	8.1		
65		20.5	139	8.7	55		17.0	133	7.7		
60		19.3	134	8.1	50		15.8	125	7.2		
55		18.1	128	7.7	45		14.3	116	6.8		
80	2400	24.9	151	11.5	70	2400	21.2	150	8.9		
75		23.6	147	9.5	65		20.0	145	8.5		
70		22.3	143	8.9	60		18.7	139	8.0		
65		21.0	139	8.5	55		17.4	133	7.6		
60		19.8	134	8.0	50		16.2	125	7.1		
55		18.5	128	7.6	45		14.3	116	6.7		

NOTE

Speeds shown are based on aircraft with optional strut fairings. Reduce cruise speeds shown by 2% for aircraft not so equipped. Use the engine operator's manual to determine brake horsepower and fuel burn for actual conditions.