



C170B



PERFORMANCE TABLE



CRUISE PERFORMANCE WITH LEAN MIXTURE

ALT	RPM	BHP	% BHP	TAS MPH	Gal./ Hour	End Hours	Mi./ Gal.	Range Miles
S.L.	2100	69	48	101	6.0	6.2	16.8	621
	2200	79	55	109	6.9	5.4	15.8	585
	2300	88	61	115	7.7	4.8	14.9	551
	2400	100	69	121	8.8	4.2	13.8	511
	2500	112	77	126	9.8	3.8	12.8	474
	2600	124	86	130	10.9	3.4	11.9	440
	2700	143	99	136	12.5	3.0	10.9	404
2500	2100	63	44	98	5.5	6.7	17.8	659
	2200	71	49	104	6.2	6.0	16.8	621
	2300	79	54	111	6.9	5.4	16.1	595
	2400	89	61	117	7.8	4.7	15.0	555
	2500	100	69	123	8.7	4.3	14.2	525
	2600	111	77	128	9.7	3.8	13.2	488
	2700	123	85	133	10.8	3.4	12.3	455
5000	2100	59	41	95	5.2	7.1	18.3	676
	2200	65	45	101	5.7	6.5	17.7	655
	2300	73	50	108	6.4	5.8	16.9	625
	2400	81	56	114	7.1	5.2	16.1	596
	2500	91	63	121	7.9	4.7	15.3	566
	2600	102	70	127	8.9	4.2	14.3	529
	2700	109	75	131	9.6	3.9	13.7	507
7500	2100	57	39	93	5.0	7.4	18.6	689
	2200	62	43	99	5.4	6.8	18.3	676
	2300	68	47	106	6.0	6.2	17.7	655
	2400	76	52	112	6.6	5.6	17.0	629
	2500	85	58	119	7.4	5.0	16.1	595
	2600	95	66	126	8.3	4.5	15.2	562
10000	2100	55	38	89	4.8	7.7	18.5	684
	2200	59	41	97	5.2	7.1	18.7	692
	2300	65	45	104	5.7	6.5	18.2	674
	2400	72	50	111	6.3	5.9	17.6	651
	2500	80	55	118	7.0	5.3	16.8	621
12500	2100	54	38	83	4.8	7.7	17.3	640
	2200	58	40	95	5.1	7.3	18.6	688
	2300	63	43	103	5.5	6.7	18.7	692
	2400	69	48	110	6.1	6.1	18.0	666
	2500	76	53	117	6.7	5.5	17.5	647

Ranges and endurances are computed for zero wind, 37 gallons of fuel for cruise, McCauley 7653 propeller, 2200 pounds gross weight, and standard atmosphere conditions. The mixture was leaned for maximum RPM.

NOTE: Cruising performance is dependent upon carburetor metering characteristics, engine and propeller condition, and turbulence of the atmosphere in addition to the controllable variables RPM, altitude, gross weight, etc. These indeterminate variables may account for variations of 10 percent or more in the maximum range.