

5.3.9. Maximum Flight Duration

Table for calculation of the maximum flight duration depending on fuel availability.

Table 1. Flight Manual Cruise Performance Table

Press Alt ft	RPM	20° C Below Standard Temp			Standard Temperature			10° C Above Standard Temp		
		%bhp	KTAS	GPH	%bhp	KTAS	GPH	%bhp	KTAS	GPH
2,000	2800	87	128	8.8	83	129	8.7	80	130	8.6
	2700	78	123	7.7	74	124	6.8	72	125	6.6
	2600	69	118	6.4	66	119	6.2	64	120	6.1
	2500	61	113	5.9	59	113	5.7	57	114	5.6
	2400	54	107	5.3	52	108	5.2	50	109	5.1
4,000	2800	79	126	8.6	76	127	8.6	74	129	6.8
	2700	71	121	6.6	68	122	6.4	66	123	6.2
	2600	63	116	6.0	61	117	5.9	59	118	5.7
	2500	56	111	5.5	55	112	5.4	53	113	5.3
	2450	53	108	5.3	51	109	5.1	50	110	5.1
6,000	2800	73	125	6.7	70	126	6.5	69	128	6.4
	2700	66	120	6.2	64	121	6.0	62	123	5.9
	2600	59	115	5.7	57	116	5.6	56	117	5.5
	2500	53	110	5.2	51	111	5.1	50	112	5.0
8,000	2800	68	124	6.4	66	125	6.2	65	127	6.1
	2700	61	119	5.9	60	121	5.8	59	122	5.7
	2600	55	114	5.4	54	116	5.3	53	117	5.3
	2550	53	112	5.2	51	113	5.1	50	114	5.1
10,000	2800	64	123	6.1	63	125	6.0	61	127	5.9
	2750	61	121	5.9	60	123	5.8	59	124	5.7
	2700	58	119	5.6	57	120	5.5	56	122	5.5
	2650	55	116	5.4	54	118	5.3	53	119	5.3
	2600	53	114	5.2	51	115	5.1	51	117	5.1
12,000	2800	61	123	5.8	60	125	5.8	59	127	5.7
	2750	58	121	5.6	57	123	5.6	56	124	5.5
	2700	55	118	5.4	54	120	5.4	53	122	5.3
	2650	53	116	5.2	52	118	5.2	51	119	5.1

Figure 5.9. Maximum Flight Duration