

A/C	S/N	Route				Holding fuel and alternate distance		Take-off weight	Landing weight	Fuel				Flight time			Payload			Remarks	
		Place of Departure	Place of Arrival	Distance	Safety height	Holding fuel	Alternate distance			Chock to chock	Flight	Holding fuel	Total	Block time	Flight	Taxi	Payload	Passenger	Luggage (cargo) capacity		Flight altitude
				nm	ft	min	nm														
Y12F	1	Honiara	Gizo	205	6800	45	100	8400	7958	477	442	500	977	74	64	10	1944	19	481	10000	
	2	Honiara	Munda	178	4800	45	100	8387	8000	422	387	500	922	66	56	10	1984	19	521	10000	
	3	Honiara	Marau	53	7300	45	53	8127	8000	162	127	433	595	33	23	10	2053	19	590	7500	
	4	Honiara	Seghe	139	4600	45	100	8305	8000	340	305	573	913	57	47	10	1913	19	450	10000	
	5	Honiara	Auki	57	3100	45	57	8136	8000	171	136	451	622	33	23	10	2034	19	571	6000	
	6	Honiara	Suavanao	135	5600	45	100	8297	8000	332	297	500	832	55	45	10	1985	19	522	10000	
	7	Honiara	Lomlom	375	3600	45	100	8400	7608	827	792	492	1319	116	106	10	1601	19	138	10000	
	8	Honiara	Santa Ana	348	5700	45	100	8400	7660	775	740	491	1266	109	99	10	1660	19	197	10000	
	9	Honiara	Atoifi	66	5800	45	66	8156	8000	191	156	470	661	36	26	10	2016	19	553	6000	
	10	Honiara	Arona	117	5700	45	100	8259	8000	294	259	500	794	51	41	10	1985	19	522	10000	
	11	Honiara	Balalae	287	6800	45	100	8400	7789	646	611	496	1142	91	81	10	1778	19	315	10000	
	12	Honiara	Manaoba	79	4800	45	79	8183	8000	218	183	496	714	39	29	10	1989	19	526	6000	
	13	Honiara	Parasi	82	3000	45	82	8190	8000	225	190	503	728	40	30	10	1982	19	519	6000	
	14	Honiara	Bellona	113	9100	45	100	8274	8000	291	256	508	799	48	38	10	1977	19	514	9200	
			Bellona	Honiara	113	9100	45	100	8000	7746	289	254	502	791	48	38	10	1728	19	265	9200
	15	Honiara	Choisel Bay	271	4600	45	100	8400	7822	613	578	497	1110	88	78	10	1810	19	347	10000	
			Choisel Bay	Honiara	271	4600	45	100	7270	6710	595	560	469	1064	88	78	10	726	9	33	10000
	16	Honiara	Fera	57	3100	45	57	8139	8000	174	139	467	641	31	21	10	2019	19	556	4000	
	17	Honiara	Kagau	192	4600	45	100	8400	7984	451	416	500	951	69	59	10	1970	19	507	10000	
	18	Honiara	Kirakira	125	7300	45	100	8275	8000	310	275	500	810	53	43	10	1985	19	522	10000	
	19	Honiara	Rennell	127	9100	45	100	8280	8000	315	280	500	815	53	43	10	1985	19	522	10000	
	20	Gizo	Balalae	88	3800	45	88	8203	8000	238	203	515	753	42	32	10	1970	19	507	6000	
	21	Gizo	Munda	28	1500	45	28	8075	8000	110	75	425	535	21	11	10	2061	19	598	2000	
	22	Gizo	Choisel Bay	87	3800	45	87	8200	8000	235	200	513	748	42	32	10	1972	19	509	6000	
			Choisel Bay	Gizo	87	3800	45	87	7270	7075	230	195	495	725	42	32	10	1065	13	64	6000
	23	Auki	Atoifi	22	4800	45	22	8062	8000	97	62	384	481	22	12	10	2101	19	638	5000	
	24	Auki	Manaoba	35	4800	45	35	8090	8000	125	90	412	537	26	16	10	2073	19	610	5000	
	25	Arona	Kirakira	35	4300	45	35	8090	8000	125	90	412	537	26	16	10	2073	19	610	5000	
	26	Santa Cruz	Lomlom	40	1300	45	40	8103	8000	138	103	452	590	25	15	10	2033	19	570	2000	
27	Santa Cruz	Kirakira	231	3800	45	100	8400	7972	531	496	499	1030	79	69	10	1890	19	427	10000		
28	Rennell	Bellona	22	1300	45	22	8061	8000	96	61	411	507	19	9	10	2075	19	612	2000		
		Bellona	Rennell	22	1300	45	22	8000	7939	96	61	409	505	19	9	10	2015	19	552	2000	
29	Ramata	Seghe	28	3700	45	28	8074	8000	109	74	402	511	23	13	10	2082	19	619	4000		

- Remarks:
- 1.Y12F has a standard passenger configuration of 19 seats plus 2 pilots; the weight of the pilots and passengers are considered as 77kg per person.
 - 2.When the route distance is greater than 100 nm, the holding fuel includes the fuel required for 100 nm flight and 45 min holding flight; when the route distance is less than 100 nm, the holding fuel includes the fuel required for return to the
 - 3.The operating empty weight (OEW) is considered as 5500kg, and the optional equipment can impact the OEW; when the runway length is not enough for normal take-off, the aircraft uses STOL capability with MTOW.
 - 4.This calculation exempt the un-sufficient runway condition, and the STOL capability is considered in the calculation.
 - 5.Only the level flight is using 210kts; the route less than 100nm is not re-calculated due to the few difference.