

VIH – RVS = 238 nautical miles. 102 kts enroute = 3 hrs ETE

Mostly 2,500 ft cruise at 2,400 rpm = ~4.6 gph

26 gals (22.5 useable) /4.5pgh = ~5 hours endurance and ~500 miles range

4.6gph x 3 hours = 13.8 gal + 1 gal taxi-t/o = 14.8 gal + 1 gal climb = 15.8 gal – 22.5 total = **6.7 remaining**

*Accident airplane burned about 7.5 gph.

*Accident airplane made it to the destination in ~3 hours which would be about 100-105 knots.

Waypoint	Route	wDir	wSpd	TAS	Track	TH	MH	GS	Dist	ETE	ATE	Fuel	Fuel
	Altitude	Temp (dev)			WCA	Var				ETO	ATO	EFR	AFR
 KVIH N 38°07.65' W 091°46.17'	•D•	232°	9	69	240°	238°	236°	60	2.0	2.0		0.0	
 TOC N 38°06.64' W 091°48.33'	↗	28°C (+15°)			-1°	-2°				2.0		26.0	
 TOD N 36°02.69' W 095°58.49'	•D•	234°	17	102	240°	239°	237°	85	235.3	2h43		0.0	
	2500	24°C (+14°)			-1°	-2°				2h45		26.0	
 KRVS N 36°02.38' W 095°59.08'	•D•	204°	22	105	237°	231°	229°	86	0.6	0.4		0.0	
		29°C (+19°)			-6°	-2°				2h46		26.0	

ALTITUDE	RPM	%BHP	TAS MPH	GAL/HR.	END. HOURS		RANGE, MILES	
					STANDARD	LONG RANGE	STANDARD	LONG RANGE
					22.5 GAL.	35 GAL.	22.5 GAL.	35 GAL.
2500	2750	92	121	7.0	3.2	5.0	390	605
	2700	87	119	6.6	3.4	5.3	410	635
	2600	77	114	5.8	3.9	6.1	445	690
	2500	68	108	5.1	4.4	6.9	475	740
	2400	60	103	4.6	4.9	7.7	505	790
	2300	53	96	4.1	5.5	8.6	535	830
	2200	46	89	3.6	6.2	9.7	550	860
	2100	40	79	3.2	7.0	10.9	555	865
5000	2750	85	121	6.4	3.5	5.5	425	660
	2700	80	118	6.0	3.8	5.8	445	690
	2600	71	113	5.3	4.2	6.6	475	740
	2500	63	107	4.8	4.7	7.4	505	790
	2400	56	101	4.3	5.3	8.2	530	830
	2300	49	93	3.8	5.9	9.2	550	860
	2200	43	84	3.4	6.6	10.3	560	870
	2100	37	71	3.0	7.5	11.7	540	835
7500	2700	74	117	5.5	4.1	6.3	480	745
	2600	66	111	4.9	4.6	7.1	505	790
	2500	58	105	4.4	5.1	7.9	535	830
	2400	52	98	4.0	5.7	8.8	555	860
	2300	45	89	3.6	6.3	9.8	560	875
	2200	40	77	3.2	7.1	11.1	550	850