

COMPETITIVE RANGE

As of 05-30-06

This document was provided by Mooney Airplane Company, Inc. The information is believed to have been accurate upon its publication, but not guaranteed or updated. **This information is NOT specific to your, or any aircraft.** It is provided as a reference tool only. Refer to the Pilot's Operating Handbook and/or Airplane Flight Manual, provided with the aircraft at delivery, for data specific information.

Mooney Ovation3 - Best Power

	Mins	N.M.	USG		
Climb	9.00	15.00	3.00	8000'	
Cruise	295.29	969.54	84.65	197.00	ktas
Descent	10.50	27.00	1.45	17.20	USG/HR
Reserve			12.90		
Total	314.79	1011.54	102.00	192.80	av speed 5.25

Mooney Ovation2 GX - Best Power

	Mins	N.M.	USG		
Climb	9.00	15.00	3.00	8000'	
Cruise	320.81	1015.91	85.55	190.00	ktas
Descent	10.50	27.00	1.45	16.00	USG/HR
Reserve			12.00		
Total	340.31	1057.91	102.00	186.52	av speed 5.67

*Mooney Acclaim Type S - Best Power

	Mins	N.M.	USG		
Climb	21.30	47.00	7.80	25,000'	
Cruise	199.68	802.04	72.55	241.00	ktas
Descent	33.10	104.20	5.30	21.80	USG/HR
Reserve			16.35		
Total	254.08	953.24	102.00	225.11	av speed 4.23

*Mooney Acclaim Type S - Best Power - w/Monroy

	Mins	N.M.	USG		
Climb	21.30	47.00	7.80	25,000'	
Cruise	276.74	1111.58	100.55	241.00	ktas
Descent	33.10	104.20	5.30	21.80	USG/HR
Reserve			16.35		
Total	331.14	1262.78	130.00	228.80	av speed 5.52

* Type S speed adjustment included post publication

Mooney Acclaim GX - Best Power

	Mins	N.M.	USG		
Climb	21.30	47.00	7.80	25,000'	
Cruise	199.68	790.06	72.55	237.40	ktas
Descent	33.10	104.20	5.30	21.80	USG/HR
Reserve			16.35		
Total	254.08	941.26	102.00	222.28	av speed 4.23

Mooney Acclaim GX - Best Power - w/Monroy

Mooney Ovation3 - Long Range

	Mins	N.M.	USG		
Climb	41.00	88.00	9.50	20,000'	
Cruise	587.14	1692.93	82.20	173.00	ktas
Descent	26.50	79.00	4.00	8.40	USG/HR
Reserve			6.30		
Total	654.64	1859.93	102.00	170.47	av speed 10.91

Mooney Ovation2 GX - Long Range

	Mins	N.M.	USG		
Climb	41.00	88.00	9.50	20,000'	
Cruise	587.14	1692.93	82.20	173.00	ktas
Descent	26.50	79.00	4.00	8.40	USG/HR
Reserve			6.30		
Total	654.64	1859.93	102.00	170.47	av speed 10.91

*Mooney Acclaim Type S - 200 ktas

	Mins	N.M.	USG		
Climb	21.30	47.00	7.80	25,000'	
Cruise	407.03	1356.78	80.05	200.00	ktas
Descent	33.10	104.20	5.30	11.80	USG/HR
Reserve			8.85		
Total	461.43	1507.98	102.00	196.08	av speed 7.69

*Mooney Acclaim Type S - 200 ktas - w/Monroy

	Mins	N.M.	USG		
Climb	21.30	47.00	7.80	25,000'	
Cruise	549.41	1831.36	108.05	200.00	ktas
Descent	33.10	104.20	5.30	11.80	USG/HR
Reserve			8.85		
Total	603.81	1982.56	130.00	197.01	av speed 10.06

Mooney Acclaim GX - 200 ktas

	Mins	N.M.	USG		
Climb	21.30	47.00	7.80	25,000'	
Cruise	407.03	1340.50	80.05	197.60	ktas
Descent	33.10	104.20	5.30	11.80	USG/HR
Reserve			8.85		
Total	461.43	1491.70	102.00	193.96	av speed 7.69

Mooney Acclaim GX - 200 ktas - w/Monroy

	Mins	N.M.	USG		
Climb	21.30	47.00	7.80	25,000'	
Cruise	276.74	1094.98	100.55	237.40	ktas
Descent	33.10	104.20	5.30	21.80	USG/HR
Reserve			16.35		
Total	331.14	1246.18	130.00	225.80	av speed
	5.52				

Beech Bonanza - Best Power

	Mins	N.M.	USG		
Climb	10.00	20.00	3.60	8000'	
Cruise	218.12	632.55	57.08	174.00	ktas
Descent	10.50	27.00	1.55	15.70	USG/HR
Reserve			11.78		
Total	238.62	679.55	74.00	170.87	av speed
	3.98				

Beech Baron - Best Power

	Mins	N.M.	USG		
Climb	10.00	22.00	6.20	8000'	
Cruise	463.55	1521.99	112.03	197.00	ktas
Descent	16.00	50.00	6.90	14.50	USG/HR
Reserve			10.88		
Total	489.55	1593.99	136.00	195.36	av speed
	8.16				

Cessna 206 - Best Power

	Mins	N.M.	USG		
Climb	11.00	16.00	4.40	8000'	
Cruise	266.73	617.93	69.35	139.00	ktas
Descent	10.50	27.00	1.55	15.60	USG/HR
Reserve			11.70		
Total	288.23	660.93	87.00	137.58	av speed
	4.80				

Cessna 206T - Best Power

	Mins	N.M.	USG		
Climb	24.00	41.00	13.40	20000'	
Cruise	174.79	474.84	55.35	163.00	ktas
Descent	26.50	79.00	4.00	19.00	USG/HR
Reserve			14.25		
Total	225.29	594.84	87.00	158.42	av speed
	3.75				

	Mins	N.M.	USG		
Climb	21.30	47.00	7.80	25,000'	
Cruise	549.41	1809.38	108.05	197.60	ktas
Descent	33.10	104.20	5.30	11.80	USG/HR
Reserve			8.85		
Total	603.81	1960.58	130.00	194.82	av speed
	10.06				

Beech Bonanza - Long Range

	Mins	N.M.	USG		
Climb	10.00	20.00	3.60	8000'	
Cruise	395.00	921.67	63.20	140.00	ktas
Descent				9.60	USG/HR
Reserve			7.20		
Total	405.00	941.67	74.00	139.51	av speed
	6.75				

Beech Baron - Long Range

	Mins	N.M.	USG		
Climb	10.00	22.00	6.20	8000'	
Cruise	644.16	1835.85	114.88	171.00	ktas
Descent	16.00	50.00	6.90	10.70	USG/HR
Reserve			8.03		
Total	670.16	1907.85	136.00	170.81	av speed
	11.17				

Cessna 206 - Long Range

	Mins	N.M.	USG		
Climb	11.00	16.00	4.40	8000'	
Cruise	385.35	706.48	72.58	110.00	ktas
Descent	10.50	27.00	1.55	11.30	USG/HR
Reserve			8.48		
Total	406.85	749.48	87.00	110.53	av speed
	6.78				

Cessna 206T - Long Range

	Mins	N.M.	USG		
Climb	24.00	41.00	13.40	20000'	
Cruise	311.92	592.65	60.83	114.00	ktas
Descent	26.50	79.00	4.00	11.70	USG/HR
Reserve			8.78		
Total	362.42	712.65	87.00	117.98	av speed
	6.04				

Cessna T182T - Best Power

	Mins	N.M.	USG		
Climb	23.00	37.00	9.20	20000'	
Cruise	226.66	623.31	61.58	165.00	ktas
Descent	26.50	79.00	4.00	16.30	USG/HR
Reserve			12.23		
Total	276.16	739.31	87.00	160.63	av speed
	4.60				

Cirrus SR22-G2 - Best Power

	Mins	N.M.	USG		
Climb	7.00	12.00	2.70	8000'	
Cruise	202.90	618.85	62.90	183.00	ktas
Descent	10.50	27.00	1.45	18.60	USG/HR
Reserve			13.95		
Total	220.40	657.85	81.00	179.09	av speed
	3.67				

Columbia 350 - Best Power

	Mins	N.M.	USG		
Climb	8.50	13.70	2.70	8000'	
Cruise	299.63	918.88	81.90	184.00	ktas
Descent	16.00	50.00	1.10	16.40	USG/HR
Reserve			12.30		
Total	324.13	982.58	98.00	181.88	av speed
	5.40				

Columbia 400 - Best Power

	Mins	N.M.	USG		
Climb	19.20	43.00	11.50	25000'	
Cruise	129.00	505.25	53.75	235.00	ktas
Descent	50.00	175.00	14.00	25.00	USG/HR
Reserve			18.75		
Total	198.20	723.25	98.00	218.95	av speed
	3.30				

Piper Saratoga HP - Best Power

	Mins	N.M.	USG		
Climb	4.00	6.00	2.00	4000'	
Cruise	160.45	443.91	77.55	166.00	ktas
Descent	5.00	12.00	0.70	29.00	USG/HR
Reserve			21.75		
Total	169.45	461.91	102.00	163.56	av speed
	2.82				

Piper Saratoga TC - Best Power

	Mins	N.M.	USG		
Climb	21.00	39.00	11.90	20000'	
Cruise	178.83	578.20	68.55	194.00	ktas
Descent	26.00	78.00	4.30	23.00	USG/HR
Reserve			17.25		
Total	225.83	695.20	102.00	184.71	av speed
	3.76				

Piper Mirage - Best Power**Cessna T182T - Long Range**

	Mins	N.M.	USG		
Climb	23.00	37.00	9.20	20000'	
Cruise	469.88	877.12	67.35	112.00	ktas
Descent	26.50	79.00	4.00	8.60	USG/HR
Reserve			6.45		
Total	519.38	993.12	87.00	114.73	av speed
	8.66				

Cirrus SR22-G2 - Long Range

	Mins	N.M.	USG		
Climb	19.00	35.50	6.40	16000'	
Cruise	355.93	961.02	63.48	162.00	ktas
Descent	21.00	61.00	3.10	10.70	USG/HR
Reserve			8.03		
Total	395.93	1057.52	81.00	160.26	av speed
	6.60				

Columbia 350 - Long Range

	Mins	N.M.	USG		
Climb	16.80	28.50	4.80	14000'	
Cruise	597.35	1284.31	84.63	129.00	ktas
Descent	14.00	46.00	2.20	8.50	USG/HR
Reserve			6.38		
Total	628.15	1358.81	98.00	129.79	av speed
	10.47				

Columbia 400 - 200 ktas

	Mins	N.M.	USG		
Climb	19.20	43.00	11.50	25000'	
Cruise	265.71	885.71	62.00	200.00	ktas
Descent	50.00	175.00	14.00	14.00	USG/HR
Reserve			10.50		
Total	334.91	1103.71	98.00	197.73	av speed
	5.58				

Piper Saratoga HP - Long Range

	Mins	N.M.	USG		
Climb	4.00	6.00	2.00		
Cruise	365.90	841.56	88.43	138.00	ktas
Descent	5.00	12.00	0.70	14.50	USG/HR
Reserve			10.88		
Total	374.90	859.56	102.00	137.57	av speed
	6.25				

Piper Saratoga TC - Long Range

	Mins	N.M.	USG		
Climb	21.00	39.00	11.90	20000'	
Cruise	366.84	1014.92	76.43	166.00	ktas
Descent	26.00	78.00	4.30	12.50	USG/HR
Reserve			9.38		
Total	413.84	1131.92	102.00	164.11	av speed
	6.90				

Piper Mirage - Long Range

	Mins	N.M.	USG		
Climb	23.00	54.00	16.00	25000'	
Cruise	228.00	832.20	76.00	219.00	ktas
Descent	37.00	112.00	13.00	20.00	USG/HR
Reserve			15.00		
Total	288.00	998.20	120.00	207.96	av speed 4.80

Piper Seneca V - Best Power

	Mins	N.M.	USG		
Climb	16.00	28.00	17.00	16000'	
Cruise	165.64	552.14	77.30	200.00	ktas
Descent	20.00	56.00	6.70	28.00	USG/HR
Reserve			21.00		
Total	201.64	636.14	122.00	189.29	av speed 3.36

	Mins	N.M.	USG		
Climb	23.00	54.00	16.00	25000'	
Cruise	353.18	941.82	64.75	160.00	ktas
Descent	37.00	112.00	13.00	11.00	USG/HR
Reserve			8.25		
Total	413.18	1107.82	102.00	160.87	av speed 6.89

Piper Seneca V - Long Range

	Mins	N.M.	USG		
Climb	16.00	28.00	17.00	16000'	
Cruise	282.67	791.47	84.80	168.00	ktas
Descent	20.00	56.00	6.70	18.00	USG/HR
Reserve			13.50		
Total	318.67	875.47	122.00	164.84	av speed 5.31