

MD-80 @ 110K LDG WT

FLIGHT PLANNING

CLIMB: 250 KIAS to 10,000 FT; 310 KIAS to FL 290; Mach 0.76 above FL 290
 CRUISE: 250 KIAS to 10,000 FT; 300 KIAS from 10,000 - 30,000 FT; Mach 0.76 above 30,000 FT
 DESCENT: Mach 0.76 to FL 300; 290 KIAS between FL 300 and 10,000 FT; 250 KIAS below 10,000 FT

AIR MILES	37,000 FT.		35,000 FT.		33,000 FT.		31,000 FT.		29,000 FT.		27,000 FT.		25,000 FT.	
	436 TAS	438 TAS	442 TAS	446 TAS	450 TAS	454 TAS	458 TAS	TIME	BURN	TIME	BURN	TIME	BURN	TIME
2200	5:09	28.9	5:07	30.3	5:04	31.5	5:01	33.1	4:58	33.8	4:55	35.3	4:53	37.0
2000	4:41	26.6	4:40	27.7	4:37	28.7	4:34	30.1	4:32	30.8	4:29	32.2	4:27	33.7
1800	4:14	24.1	4:12	24.6	4:10	25.4	4:07	26.7	4:05	27.4	4:03	28.6	4:00	30.1
1600	3:47	21.4	3:45	22.1	3:43	22.7	3:41	23.9	3:39	24.4	3:37	25.5	3:35	26.8
1400	3:20	19.0	3:19	19.5	3:17	20.0	3:15	21.0	3:13	21.4	3:11	22.4	3:09	23.5
1200	2:53	16.6	2:51	16.5	2:49	17.0	2:48	17.8	2:46	18.2	2:44	19.0	2:43	19.9
1000	2:25	13.8	2:24	14.1	2:23	14.4	2:21	15.0	2:20	15.3	2:18	15.9	2:17	16.6
800	1:57	11.4	1:56	11.2	1:55	11.4	1:54	11.9	1:53	12.2	1:52	12.6	1:50	13.2
600	1:30	8.6	1:29	8.7	1:28	8.8	1:27	9.1	1:26	9.3	1:25	9.5	1:24	9.9
400	1:02	6.2	1:02	6.0	1:01	6.0	1:00	6.1	0:59	6.2	0:59	6.4	0:58	6.5
		200 LB/HR		175 LB/HR		150 LB/HR		150 LB/HR		125 LB/HR		100 LB/HR		100 LB/HR

NOTE - TABLE VALID ONLY FOR LANDING WEIGHT OF 110,000 LBS. FOR EACH 5,000 LBS. DEVIATION ABOVE (BELOW) 110,000 LBS., ADD (SUBTRACT) **FUEL BURNOUT CORRECTION** SHOWN ABOVE FOR EACH HOUR OF FLIGHT TIME.

TAXI FUEL

STANDARD TAXI FUEL 600 LBS (:15)
 TAXI FUEL/MINUTE 40 LBS/MIN

APU FUEL

175 LBS/HR

AVG BURN LB/HR

6500 LBS

BURN PER/MIN

125 LBS

US DOMESTIC RESERVE FAR 121

4500 LBS

HOLD FUEL

15 MIN 1700 LBS
 30 MIN 3400 LBS
 45 MIN 5100 LBS
 60 MIN 6700 LBS

US INTERNATIONAL RESERVE FAR 121

10 LBS/MIN + 3000 LBS

ALTERNATE FUEL

50 NM 2800 LBS
 100 NM 3200 LBS
 150 NM 4000 LBS
 200 NM 5100 LBS
 300 NM 6200 LBS

SAMPLE:	
700 AIR MILES @ FL330	
TIME	1:42
BURN	10100 LBS
DOM RESERVE	4500 LBS
15 MIN HOLD	1700 LBS
50 NM ALTN	2800 LBS
STD TAXI	600 LBS
TOTAL FUEL	19700 LBS

NORMAL CRUISE SPEED .76M/440 KTAS