

TBM 850 Mission Planning



Dist. (nm)	15,000 ft		20,000		25,000 ft		26,000 ft		27,000 ft		28,000 ft		29,000 ft		30,000 ft		31,000 ft		Dist. (nm)
	Time (hr:mn)	Fuel (gal)	Time (hr:mn)	Fuel (gal)	Time (hr:mn)	Fuel (gal)	Time (hr:mn)	Fuel (gal)	Time (hr:mn)	Fuel (gal)	Time (hr:mn)	Fuel (gal)	Time (hr:mn)	Fuel (gal)	Time (hr:mn)	Fuel (gal)	Time (hr:mn)	Fuel (gal)	
100	00:25	36	00:26	36															100
150	00:35	49	00:36	47	00:36	46	00:36	46	00:36	46	00:37	46	00:36	46	00:37	46	00:38	46	150
200	00:46	62	00:46	59	00:45	57	00:45	57	00:45	56	00:46	56	00:46	55	00:46	55	00:47	55	200
250	00:56	75	00:56	70	00:55	67	00:55	67	00:54	66	00:55	66	00:55	65	00:56	64	00:57	64	250
300	01:07	87	01:06	82	01:04	78	01:04	77	01:04	77	01:05	76	01:05	74	01:05	74	01:06	73	300
350	01:17	100	01:16	93	01:14	89	01:13	88	01:13	87	01:14	85	01:14	84	01:15	83	01:16	82	350
400	01:28	113	01:26	105	01:23	99	01:23	98	01:23	97	01:24	95	01:24	93	01:24	92	01:25	91	400
450	01:39	126	01:36	116	01:33	110	01:32	109	01:32	107	01:33	105	01:33	103	01:34	101	01:35	99	450
500	01:49	138	01:46	128	01:42	120	01:41	119	01:41	117	01:43	115	01:42	112	01:43	110	01:44	108	500
600	02:10	164	02:06	151	02:01	141	02:00	140	02:00	137	02:01	134	02:01	131	02:02	129	02:03	126	600
700	02:31	190	02:26	174	02:20	162	02:19	161	02:19	158	02:20	154	02:20	150	02:21	147	02:22	144	700
800	02:52	215	02:46	197	02:39	183	02:38	182	02:38	178	02:39	174	02:39	169	02:40	165	02:41	161	800
900	03:13	241	03:06	220	02:58	204	02:56	202	02:57	198	02:58	193	02:58	188	02:59	184	03:00	179	900
1 000			03:26	243	03:17	226	03:15	223	03:16	218	03:17	213	03:17	207	03:18	202	03:19	197	1 000
1 100					03:36	247	03:34	244	03:36	239	03:36	233	03:36	226	03:37	220	03:38	215	1 100
1 150									03:45	249	03:45	242	03:46	236	03:47	230	03:48	223	1 150
1 200													03:56	245	03:56	239	03:58	232	1 200
1 250															04:06	248	04:07	241	1 250
1 300																	04:17	250	1 300

Assumptions:
 * Cruise Climb (160 KIAS)
 * Max Cruise
 * 2000 ft/min Descent
 * ISA, zero winds enroute
 * Flight time includes climb, cruise and descent
 * Flight consumption includes Taxi + Take Off (50 lb), Climb, cruise and descent)
 * 4 people on board (200lb each / 91 kg each)
 * NBAA Reserve IFR Reserve (55 gal / 369 lb / 167 kg)
 * Conservative Approach: all figures from POH at Max Weight
 * Cruise @ 6300 lbs

Flight Time & Fuel Burn for selected distances @ Max Cruise (ISA)

Available Payload = 1289 kg – 167 kg (fuel reserve) – Fuel consumption shown here above (3 kg/gal)

For marketing purpose only, do not use for flying, always refer to your Aircraft operating handbook