



Model Name	TBM 700A	TBM 700B	TBM 700 C2	TBM 850 Legacy	TBM 850 Glass	TBM 850 Elite	TBM 900	TBM930
Certification date	03.10.1990	1998	2003	2005	2007	2012	2014	2016
Certification reference	FAR 23 amendment 34	FAR 23 amendment 34	FAR 23 amendment 44	FAR 23 amendment 44	FAR 23 amendment 44	FAR 23 amendment 44	FAR 23 amendment 44	FAR 23 amendment 44
Production Years	1990-1998	1999-2002	2003-2005	2006-2007	2008-2011	2012-2013	2014	2016
Characteristics								
Powerplant	P&WC PT6A-64	P&WC PT6A-64	P&WC PT6A-64	P&WC PT6A-66D	P&WC PT6A-66D	P&WC PT6A-66D	PT6A-66D	PT6A-66D
Shaft Horse Power (SHP)	700	700	700	850	850	850	850	850
Thermodynamic power (HP)	1583	1583	1583	1825	1825	1825	1825	1825
Seating	6/7	6	6	6	6	6	6	6
Pilot door	no	option	option	option	option	option	option	option
Capacity								
Fuel (US Gal)	290,6	290,6	290,6	290,6	301	301	301	301
Usuable Fuel (US Gal)	281,6	281,6	281,6	281,6	292	292	292	292
Usuable Oil (quarts)	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
External Dimensions (ft)								
Overall Length	34ft 11in	34ft 11in	34ft 11in	34ft 11in	34ft 11in	34ft 11in	35 ft 2in	35 ft 2in
Overall Height	14ft 4in	14ft 4in	14ft 4in	14ft 4in	14ft 4in	14ft 4in	14 ft 4in	14 ft 4in
Wing Area (ft²)	194	194	194	194	194	194	197	197
Span	41ft 7in	41ft 7in	41ft 7in	41ft 7in	41ft 7in	41ft 7in	42ft 1in	42ft 1in
Internal Dimensions (ft)								
Cabin Length (Bulkhead to Bulkhead)	14ft 11in	14ft 11in	14ft 11in	14ft 11in	14ft 11in	14ft 11in	14ft11in	14ft11in
Cabin Height	4ft	4ft	4ft	4ft	4ft	4ft	4ft	4ft
Cabin Width	3ft 11in	3ft 11in	3ft 11in	3ft 11in	3ft 11in	3ft 11in	3ft11in	3ft11in
Weights (lb)								
Max Ramp	6614	6614	7430	7430	7430	7430	7430	7430
Max Takeoff	6579	6579	7394	7394	7394	7394	7394	7394
Max Landing	6250	6250	7024	7024	7024	7024	7024	7024
Maximum Zero Fuel (lbs)	6001	6001	6032	6032	6032	6032	6032	6032
Empty Weight	4328	4427	4689	4699	4579	4604	4656	4656
Max Payload	1673	1574	1343	1333	1453	1428	1393	1393
Useful Load (lbs)	2286	2187	2741	2731	2851	2826	2791	2791
Available Payload w/Max Fuel (lbs)	399	300	854	844	895	870	835	835
Available Payload w/220 gals Fuel (lbs)	812	713	1267	1257	1377	1352	1317	1317
Max Baggage Capacity	330	330	330	297	330	506	506	506

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Limitations								
Vmo	266	266	266	266	266	266	270	270
Va	158	158	158	158	158	158	158	158
Vle	178	178	178	178	178	178	178	178
Crosswind	20	20	20	20	20	20	20	20
PSI	6,2	6,2	6,2	6,2	6,2	6,2	6,2	6,2
Max Weight								
TO (SL elev/ISA temp) *50ft obs	2133	2133	2840	2840	2840	2840	2840	2380
TO (6000 elev @ ISA + 20) *50ft obs	281,6	281,6	281,6	281,6	292	292	292	292
Landing (SL ele/ ISA temp) *50ft obs	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0
Vso	60	60	65	65	65	65	65	65
Climb								
Time to Climb (min/Attitude ISA)	15/FL 250	15/FL 250	15/FL 250	14/FL 250	14/FL 250	14/FL 250	16/FL280	16/FL280
Max Climb (ft/min) ISA at SL	1875	1875	1570	2005	2005	2005	2050	2050
Max	876	876	734	937	937	937		
Ceilings (ft)								
Service Ceiling	30000 or 31000	30000 or 31000	31000	31000	31000	31000	31000	31000
Cruise								
Long Range Speed TAS	242	242	249	252	252	252	252	252
Maximum Range (NM) with Max Fuel	1563	1550	1565	1520	1585	1585	1730	1730
Maximum range with maximum payload (NM) - IFR Reserve	1118	1080	1074	1166	1250	1250	1315	1315
Long Range Altitude	FL 290	FL 290	FL 310	FL 310	FL 310	FL 310	FL 310	FL 310
Maximum cruise speed								
Maximum Speed Cruise TAS	300 295‡	300 295‡	294 289‡	320 315‡	320 315‡	320 315‡	330‡	330‡
Maximum Speed Altitude	FL 260	FL 260	FL 260	FL 260	FL 260	FL 260	FL280	FL280
Range at Maximum Cruise (Max payload) - IFR Reserve	984	900	917	930	985	985	1045	1045
Range at Maximum Cruise (Max Fuel) - IFR Reserve	1378	1350	1315	1365	1410	1410	1495	1495