

Characteristics Performance

Characteristics	Specifications
PT6A-66D Thermodynamic Power.....	1,825 SHP
PT6A-66D Nominal (flat-rated) Power.....	850 SHP
Time to climb to 26,000 ft/31,000 ft.....	< 15 min/<20 min
Maximum cruise speed at 26,000 ft.....	320 KTAS
Economy cruise speed at 31,000 ft.....	252 KTAS
FAA Certified ceiling.....	31,000 ft
Take-off distance.....	2,840 ft (ISA – to 50 ft AGL)
Landing distance w/o reverser.....	2,430 ft (ISA – to 50 ft AGL)
Range at economy cruise (252 Kts).....	1,585 NM (ISA – 45 min reserve)
Range at maximum cruise (320 Kts).....	1,410 NM (ISA – 45 min reserve)
Basic empty weight.....	4,589 lbs..... 2,081 kg
Maximum Zero Fuel Weight.....	6,032 lbs..... 2,735 kg
Maximum ramp weight (MRW).....	7,430 lbs..... 3,370 kg
Maximum Takeoff Weight.....	7,394 lbs..... 3,353 kg
Maximum Payload.....	1,443 lbs..... 654 kg
Maximum payload with maximum fuel.....	931 lbs..... 422 kg
Maximum Landing Weight.....	7,024 lbs..... 3,189 kg
Maximum Usable Fuel Weight (291.6 USG).....	1,910 lbs..... 867 kg

With cruise speeds up to 320 KTAS the TBM 850 offers the cruise speeds typical of light jets but with the efficiency of a single-engine turboprop.