

Aerodynamics for Cessna 182T and T182T

In 2001, Cessna announced great enhancements for two of its single-engine models - the new 182T Skylane and T182T Turbo Skylane with an average price increase of \$25,000 over their predecessors.

Aerodynamic Refinements: For 2001, the new T182T and 182T Skylane's feature new aerodynamic changes to improve cruise speed. Aerodynamic improvements include redesigned Acowling, reshaped wing tips with internally mounted navigation lights, smaller, rounded steps on the struts, and a blade antenna on the vertical stabilizer that replaces the old whisker-style feelers for VOR signals. Reclocked main gear fairings, an improved nose gear fairing and a low drag wing strut fairing were also added.

Together, on the normally aspirated 182T, the streamlining efforts account for a four-knot increase in speeds ***(from 145 KTAS to 149 KTAS maximum speed at sea level, and from 140 KTAS to 144 KTAS and 157 KTAS on the T182T)***

Interior Refinements: For 2001, Cessna included new sculptured sidewalls with integrated cup holders and cushioned armrests, more comfortable shoulder harnesses, removable overhead panels for simplified maintenance and inspection, and new tinted Rosen™ sun visors which provide pilots with added glare reduction for comfort and safety. Also added to the standard equipment list is a new lightweight door handle mechanism and formed composite Kydex™ side panels that add strength while saving weight.

Avionic Refinements: For the first time Cessna's single-engine product line is an optional full-color five-inch liquid crystal multi-function display (MFD). The Honeywell KMD 550 MFD interfaces with the optional KLN 94 Color IFR GPS to provide the ultimate in moving-map navigation and situational awareness. A vast aeronautical database offers a visual display of airways, airports, VORs, NDBs and special-use airspace, plus selectable map depictions of rivers, coastlines, cities and other topographical features. The MFD will also integrate GPS course information with a WX500 stormscope lightning detection and other emerging traffic/terrain avoidance sensors.

Other Refinements: Standard features include a new 12-volt electrical outlet, convenient for use with a portable GPS, CD player or laptop computer. The KMA 28 audio panel/intercom allows simultaneous transmissions by pilot and copilot.

The hottest change for 2001 T model Skylane is the turbocharged version of the 182T. The pumped-up Skylane has a Lycoming TIO-540-AK1A engine under the cowl. It's essentially the same powerplant that pulls the new Turbo Stationair, "de-rated" to 235 horsepower (at 2400 rpm) from 310 horsepower.