

Piston vs. Jet

Jets soar higher – and *safer*.

Jets and turboprops **soar higher** and **safer** than piston-powered aircraft.

Like most who are proud of their aviation heritage, we at Stratos Jet Charters love aeronautic nostalgia – until it comes to safety and value. So even though we have a warm spot for piston-powered aircraft, and we still use them for cargo flights, **we turn down all requests to charter them for passenger travel because jets and turboprops are safer.**

To us, the limits of safety aren't dictated by a checklist; to us, safety is a daily, flight-by-flight obsession to decrease risk at every reasonable opportunity, and chartering jets and turboprops instead of piston aircraft is one of those opportunities. When given a reasonable choice, we will always **make the safer choice.** Always.





The **evidence is abundant,** and the **facts are clear.**

Though it may seem counterintuitive, jet engines are simpler than piston engines because they have fewer moving parts, and having fewer parts means they have fewer parts that can fail. **Simpler is safer.**

In addition to being fundamentally simpler, jet engines also **perform** better over a wider range of conditions and altitudes, giving jets and jet-powered turboprops a **higher maximum service ceiling** than piston-powered props. Therefore, jets and turboprops can fly over bad weather while piston props have to fly around it, an avoidance tactic that is risky when executed in the proximity of fast-developing storms or weather systems that are moving rapidly. In addition, most piston aircraft lack critical avionics (storm scopes, instruments, etc.) that enable jet pilots to “see” and track fast-developing storms. Not having real-time access to this information limits a pilot’s ability to make intelligent decisions regarding course and heading. Piston-powered aircraft’s narrower margin of foul-weather safety also adds an element of uncertainty for Stratos, as well, as we plan and fulfill a given travel mission.

Jet-certified pilots also have a greater depth of pilot experience, and jet aircraft carry higher levels of insurance – specifically **because** they’re considered safer by insurance companies. And of particular relevance to Stratos and our due diligence as a charter service, unlike piston aircraft, jet aircraft and jet carriers are scrutinized for operational safety by third-party organizations.

Jets and turboprops also offer greater **travel value.**

When you pay for private air travel, you're **paying for an experience** that's as convenient, comfortable, quick and safe as possible. Jet and turboprop aircraft offer advantages over piston aircraft in all these areas, **offering more of the benefits** that led you to choose private air travel in the first place.





Our decision was **easy**.

We **carefully evaluated** all of the pertinent facts and factors before we made our decision to **exclude piston aircraft** from our charter-travel service offerings. Therefore, in order to offer the most reliable service in the industry, we employ only jet and turboprop aircraft. Our decision was easy – we put **people before profits**.



Be Safer. Soar Higher.™