SWEPT BLADE TURBOFAN PROPELLERS for Beechcraft KING AIR 200 Series

UTILIZING RAISBECK SWEPT BLADE TECHNOLOGY

KING AIR
200 SERIES

RAISBECK ENGINEERING
AN ACORN GROWTH COMPANY

SWEPT BLADE TURBOFAN PROPELLERS

Developed collaboratively with Hartzell Propeller, the world's leading propeller manufacturer, Raisbeck's **Swept Blade Turbofan Propellers** (SBTP) provide unparalleled performance increases across the entire flight envelope for Beechcraft 200 series King Airs. Sweeping both leading and trailing blade edges, the larger diameter of Raisbeck's Swept Propellers generate greater thrust at lower RPM, improving aircraft performance without increasing vibration and noise levels—and they offer a stunning ramp presence.

Raisbeck first introduced Swept Blade Technology with our **Aluminum 4-Blade Swept Propellers**. Aerodynamically designed for 200, B200, B200GT and 250 operators, our 4-Blade Swept Propellers feature tailored airfoils that extend fully into the spinner, thereby increasing both prop efficiency and airflow into the engine. Our swept wing technology enables a larger 96″ diameter while blade sweep eliminates undesirable drag and prop tip noise. The blades are made of high-strength aluminum forgings, providing a greater weight savings over OEM-installed propellers.

Aluminum 4-Blade Swept Propellers

- High-strength aluminum forgings
- 96 inch diameter
- +0.8 pounds total weight increase vs. OEM 4-blade propellers
- Provides more thrust with less noise
- Dramatically improves landing deceleration and acceleration-stop
- 6 years/4,000 hours TBO
- 1 year/1,000 hour Warranty

With our commitment to excellence and focus on innovation, we again worked closely with Hartzell Propeller to develop Raisbeck's **Composite 5-Blade Swept Propellers** to optimize airfoil efficiency in a structural carbon fiber design. Our composite blades are composed of a metal blade shank onto which is molded a low-density foam core that supports built-up layers of modern composite laminate; nickel-cobalt leading edges protect against foreign object damage. Beyond the inherent weight savings over other materials, Raisbeck's Composite 5-Blade Swept Propellers provide unlimited blade life and the ability to maintain their optimal airfoil shape over time. Most damage to composite blades can be repaired and returned to service without affecting the airfoil shape.

Composite 5-Blade Swept Propellers

- Carbon fiber composite construction
- 96 inch diameter
- On average 48 pounds total weight savings vs. OEM propellers (weight may vary depending on model of propeller installed)
- 1/3 noise reduction throughout the aircraft
- 16.5% performance gain in runway acceleration vs. OEM propellers
- 48% better in prop reversing vs. OEM propellers
- Engine-out climb with flaps up – 25.8% better than OEM 4-blade propeller
- Unlimited blade life
- 6 years/4,000 hours TBO
- 3 year/3,000 hour Warranty