

SWEPT BLADE TURBOFAN PROPELLERS for Beechcraft KING AIR 300/350 Series UTILIZING RAISBECK SWEPT BLADE TECHNOLOGY



KING AIR
300/350

 **RAISBECK**
ENGINEERING
AN ACORN GROWTH COMPANY



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 300 and 350 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 300 and 350 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 105" 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
- 105 inch diameter
- 41.2 pounds total weight savings vs. OEM propellers
- Provides more thrust with less noise
- 4% better runway acceleration; 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
- 106 inch diameter
- 54 pounds total weight savings vs. OEM propellers
- Provides more thrust with less noise, resulting in a quieter cabin
- Unlimited blade life
- 6 years/4,000 hours TBO
- 3 year/3,000 hour Warranty