

# Winglets & Whisper Prop®

*A New Spin on King Air Performance*

King Air 200/250/260



Winglets & Whisper Prop®  
King Air 200/250/260



# BLR/MT Whisper Prop & Winglet Videos

Visit [Youtube.com/blraerospace](https://www.youtube.com/blraerospace) for Whisper Prop and Winglet Performance Videos or click the video links below.

## King Air Performance BLR Winglets



Performance highlights of the BLR UPP upgrade

## King Air Upgrade: BLR Whisper Prop



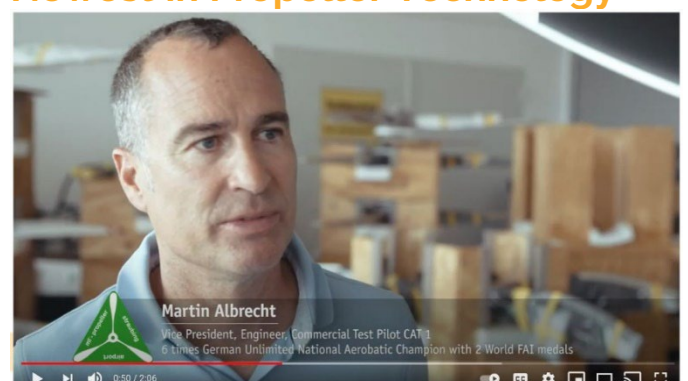
Performance highlights of the Whisper Prop

## Discovering MT Propeller



Discovering MT- Propeller's factory

## MT Propeller Newest in Propeller Technology



An introduction to MT-Propeller

# MT/BLR Whisper Prop® Benefits

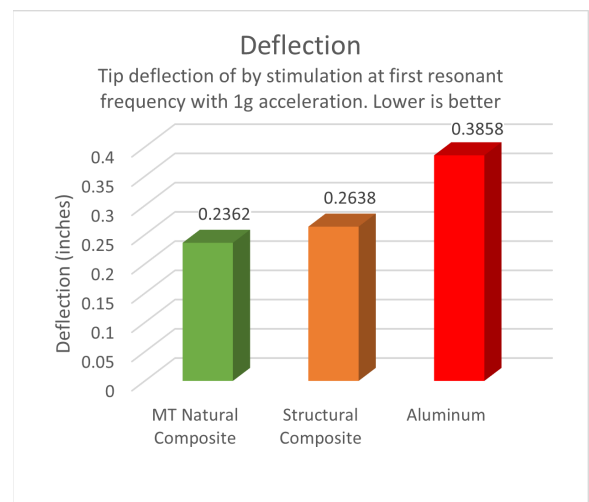
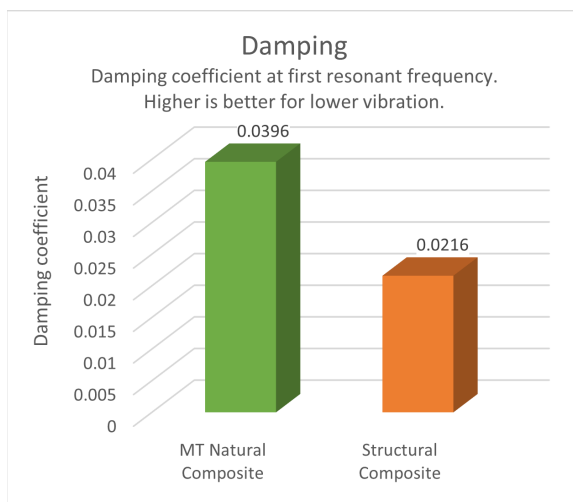
The five-bladed BLR Whisper Prop is manufactured by MT-Propeller. The Whisper Prop is engineered to be the most FOD resistant, quietest, easiest to repair and most durable props on the market today. The core of the blade is a hybrid comprised of resin injected beech and spruce hardwoods. The structural blade core is protected with carbon fiber skins for highest durability. Each blade is finished with a nickel cobalt leading edge, providing industry best erosion and damage protection.

## Shortest Blade Diameter - FOD protection

- Smallest propeller available for the KA200 providing less runway FOD to the blades, engine, and hull.
- No compromise to airplane performance

## Quietest Propeller - comfortable cabin experience

- Wood core material paired with the reduction in propeller diameter reduces propeller noise
- Wood core provides a 45% higher damping coefficient which results in a dramatic decrease in vibration and noise, significantly improving cabin and cockpit environment and less vibration fatigue on the aircraft and cockpit instruments.
- Decibels are measured logarithmically, where 3dB represents a 50% reduction in sound pressure level, so the drop of 5.1dB by the Whisper Prop would represent a significant noise reduction compared to the original factory propeller. Certified noise level data is available in EASA's public record, found in ICAO Annex 16 section 10A(a) for take-off noise.



## Field Repairable Blades - industry best Return-To-Service (RTS)

- FOD damage is repaired in-field with the blade on the aircraft using quick cure epoxy, allowing for unlimited replacement of blade OML (exterior factory shape/dimensions).
- Hub replacements are unnecessary, unlike other composite & metal props, simply swap blades and fly - no shop rebalancing.
- Quick in-field replacement of blades is possible providing customers with industry best RTS.
- MT Props are, by far, the best solution, especially on high-FOD and remote runways!



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# MT/BLR Whisper Prop® Benefits

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## Unlimited Blade Life - last set of blades you'll ever buy

- The core of a Whisper Prop blade is the structural component made of highly engineered composite wood (resin-infused beechwood with external carbon fiber protection plies). Our blade design never needs to be replaced for fatigue damage and is capable of quick epoxy-filled in-field repairs. Metal props have absolute dimension limits that decrease performance after repairs and eventually expire the blades.
- Improved residual value for airplanes with MT Whisper Propellers.

## Nickel-Cobalt Leading Edge Protection - toughest material available

- Superior erosion protection over competitor offering
- Nickel-cobalt provides 3x more damage resistance than aluminum.

## Improved Overhaul Schedule - fly with confidence

- MT recently increased the TBO schedule for all their props to 4500 hours/ 72 months.

## No Ground RPM Limitation - best taxiing experience with fuel savings

- Due to unbeaten vibration behavior, no ground or in-flight RPM limitations exist
- The Raisbeck 5-bladed, Raisbeck 4-bladed and the Hartzell 4-bladed propeller systems induce a critical and destructive vibration condition to the aircraft while on the ground, requiring high RPM while taxiing. The MT five-blade replacement does not have this problem, allowing for a more comfortable and fuel-saving taxi experience and less wear on brakes.

## Icing Resistance - better performance in icing conditions






- The MT wood core is designed to have less heat conductivity and less electrical draw than aluminum, meaning your de-ice boots stay hotter only where heat is needed.

## Dramatic Reduction in Vibration - easier on the pilot and the aircraft

- A 30-50% reduction in vibration allowing for a smoother flight and better long-term care of your propeller system and aircraft.



# King Air 200/250/260 Propeller Comparison

	BLR Whisper Prop MT 5 Blade Composite	Raisbeck Swept 5 Blade Composite	Hartzell 4 Blade Composite	Hartzell Factory 4 Blade Aluminum	Raisbeck Swept 4 Blade Aluminum
2025 Price	\$139,850	\$204,519	\$292,520	\$207,420	\$147,576
Prop Diameter	88.6" (225.0 cm)	96" (243.8 cm)	93" (236.2 cm)	93" (236.2 cm)	96" (243.8 cm)
Weight Per Aircraft	288.8 lbs (130.9 kg)	268 lbs. (121.6 kg)	250.6 lbs. (113. 7 kg)	313.8 lbs. (142.3 kg)	314.6 lbs. (142.7 kg)
TBO	4500 HR. 72 Months	4000 Hr. 72 Months	4000 Hr. 72 Months	4000 Hr. 72 Months	4000 Hr. 72 Months
Noise	77.7 dB(A) 	80.4 dB(A) 	80.0 dB(A) 	81.2 dB(A) 	81.7 dB(A) 
Vmca Flaps Up	92 KCAS 86 KIAS	96 KCAS 91 KIAS	92 KCAS 86 KIAS	92 KCAS 86 KIAS	96 KCAS 91 KIAS
Core Material	Natural Composite	Foam	Foam	Aluminum	Aluminum
Leading Edge Material	Nickel Cobalt	Nickel Cobalt	Nickel Cobalt	Aluminum	Aluminum
In Field Repairable	Up to 1"	Up to 0.25"	Up to 0.25"	Up to 0.25"	Up to 0.25"
Quickest In Field Repairs	✓	✗	✗	✗	✗
In Field Blade Replacement	✓	✗	✗	✗	✗
Unlimited Blade Life	✓	✓	✓	✗	✗
No Ground Idle RPM Restrictions	✓	✗	✗	✗	✗

## Additional Competitor Info:

Raisbeck's EPIC Performance Package is Compatible with the Whisper Prop:

If the airplane is equipped with a Raisbeck EPIC Performance Package (FAA STC No. SA00752SE and/or SA2698NM-S and/or SA 1783NM), the Raisbeck AFMS is still applicable with MT 5-blade propellers installed.

### Caution- Installation of the Raisbeck or Hartzell 4 or 5 Blade Systems

*"Stabilized ground operation between 400 and 1,150 propeller RPM is prohibited. Operation between 0 and 400 propeller RPM is permissible only with propeller feathered. STABILIZED GROUND OPERATION WITHIN THE PROPELLER RESTRICTED RPM RANGE CAN GENERATE HIGH PROPELLER STRESSES AND RESULT IN PROPELLER FAILURE AND LOSS OF CONTROL OF THE AIRCRAFT."*

This limitation does not exist for MT propellers.

### Raisbeck's V<sub>MCA</sub> Limitations

The Raisbeck 5-blade installation requires a V<sub>MCA</sub> Flaps Up airspeed increase (from 92 KIAS (OEM) to 96 KIAS). Installing the Raisbeck 5-blade will require either removal and routing of your airspeed indicator to an instrument repair shop for re-marking, or installing a new Vmca placard above each pilot's primary display to highlight the increase in V<sub>MCA</sub>.

# B250 Pilot Experiences



Francisco Fuentes I Santiago, Chile

Aircraft: B250

Experience: Current Pilot for Tronador Aviation Chilean  
Air Force Pilot for 21 Years

“ I fly the Beechcraft 8250 with the new BLR Whisper Props®. We changed our old props because we had an objective - we were looking for damage reduction because of our operation on rocky runways. The other reason was to obtain noise reduction and the main reason we purchased is in the event we get any damage to any blade we can quickly repair that specific blade in-field and reduce aircraft down time. This prop lasts longer than our older props, we have a more efficient operation in case of damage. They are great props. Whisper Props® are totally recommended! And if you have them already it was a very nice decision!?”





# Winglets & Whisper Prop Ultimate Performance Package

## Harness the power of your King Air with the BLR Whisper Prop and Winglets

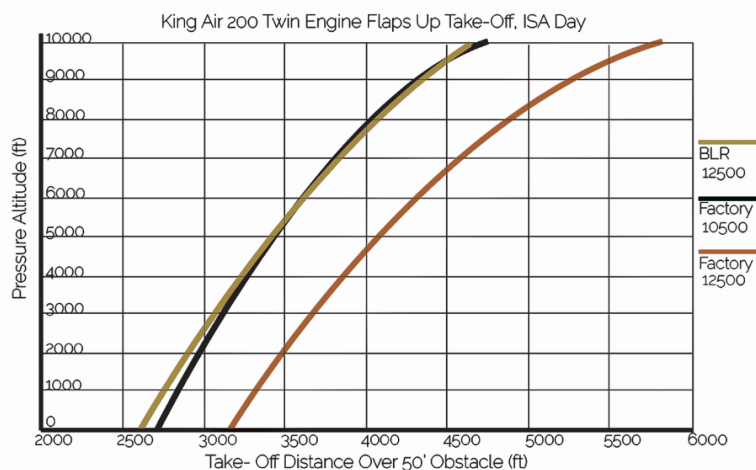
### BLR King Air 200 Winglet System with LEDs:

- Increased lift and reduced drag - allowing you to fly faster, go farther, and save fuel
- Includes LED anti-collision lights for improved reliability at no additional cost
- Shorter climb-time to cruise, with an increase of 250ft/min at sea level and up to 400ft/min at RVSM altitudes
- Additional stability provides improved handling qualities during slow flight
- Extended length de-icing boots are available for additional leading edge ice protection

### BLR King Air 200 Ultimate Performance Package (UPP) AFMS:

- Certified performance charts included in our AFM supplement
- Stall speed improvement
- Certified take-off distances improved up to 17%
- Maximum take-off weight (MTOW) of 12,500 lbs
- Increased max cruise speed and range up to 2030 NM (-52 and -61 engines only)

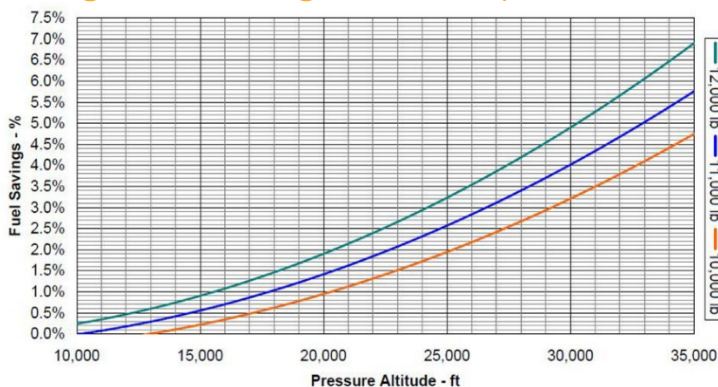
### Shorter Take-Off



17% Reduction  
in Take-Off  
Distance

2000 lbs  
Increase in  
Useful Load

### Fuel Savings: Max Range Cruise Speed



Up to 4%  
Savings at  
Long Range Cruise

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# Cost and Contact

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## 2025 List Price for all BLR KA200/250/260 Upgrades

BLR-WP-200	BLR King Air 200 / 250 / 260 MT Whisper Prop <sup>1</sup>	\$139,850
KA-2W	BLR King Air 200 Winglet System with LED's	\$99,950
KDB-200	BLR Extended Length De-Ice Boots King Air 200 / 250 / 260	\$17,700
KA-2W Package	BLR King Air 200 Winglet System with LED's and De-Ice Boots	\$114,550
KA-LED-200	BLR King Air 200 / 250 Winglet and Tail LED Upgrade	\$13,600
KA-LED-200T	BLR King Air 200 / 250 / 260 Tail LED Upgrade	\$2,500
KA-200UPP	BLR King Air 200 Ultimate Performance Package AFMS <sup>2</sup>	\$15,000
KA-200GT-UPP	BLR King Air 200GT Ultimate Performance Package AFMS <sup>2,3</sup>	\$35,000

1. Propellers are delivered unassembled unless noted otherwise by BLR Sales. Assembly quote available upon request.
2. Ultimate Performance Package included at No Charge with purchase of Winglets.
3. Applicable for airplanes equipped with P&W PT6A-52 or PT6A-61 engines, Winglets, RAM air recovery system and 4-blade Hartzell propeller or 5-blade MT Whisper Prop.

## For More Information

Whisper Prop and Winglets are available through a large network of dealers around the world. Visit our website at [www.BLRaerospace.com](http://www.BLRaerospace.com) to find the dealer nearest you or contact us directly:

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