

Winglets & Whisper Prop®

A New Spin on King Air Performance

King Air 300/350/360



Winglets & Whisper Prop®
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BLR/MT Whisper Prop & Winglet Videos

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King Air Performance BLR Winglets



Performance highlights of the BLR UPP upgrade

King Air Upgrade: BLR Whisper Prop



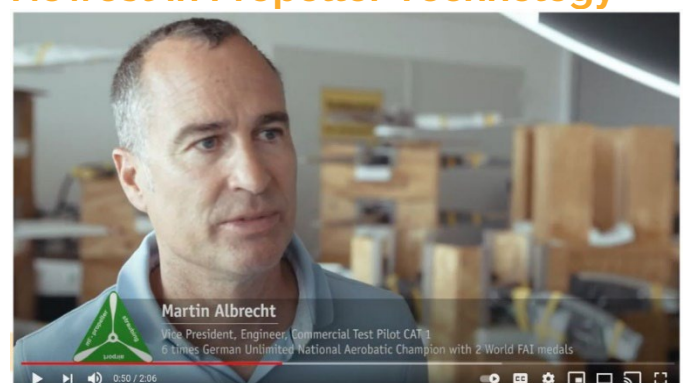
Performance highlights of the Whisper Prop

Discovering MT Propeller



Discovering MT- Propeller's factory

MT Propeller Newest in Propeller Technology



An introduction to MT-Propeller

MT/BLR Whisper Prop® Benefits

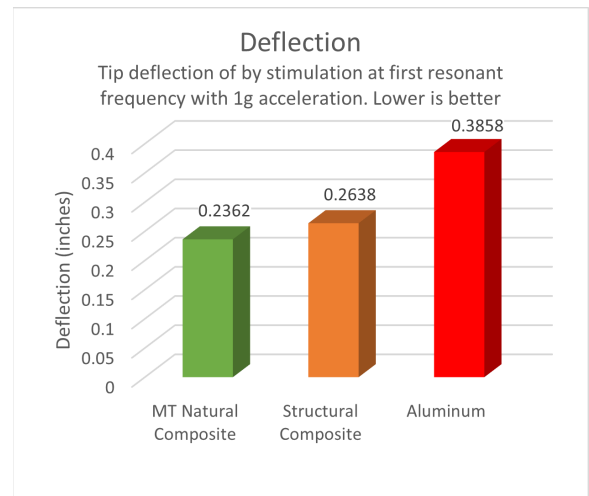
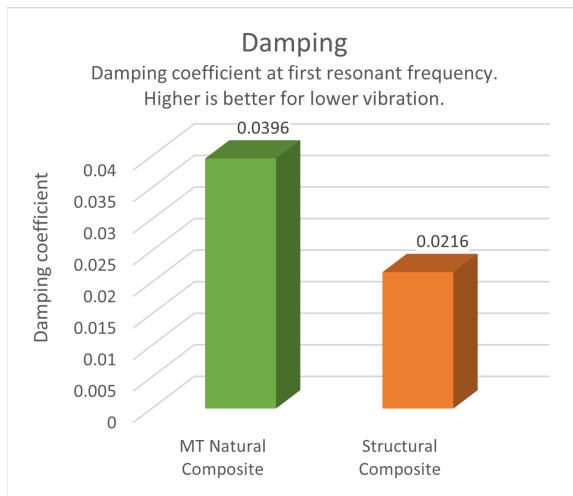
The five-bladed BLR Whisper Prop is manufactured by MT-Propeller. The Whisper Prop is engineered to be the most FOD resistant, quietest, easiest to repair and most durable props on the market today. The core of the blade is a hybrid comprised of resin injected beech and spruce hardwoods. The structural 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 KA300 providing less runway FOD to the blades, engine, and hull.

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!

MT/BLR Whisper Prop® Benefits

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 decreases performance after repairs and eventually expires the blades.
- Adds resale value.

Nickel-Cobalt Leading Edge Protection - toughest material available

- For superior erosion protection over Hartzell, Raisbeck, or McCauley blades.
- 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 RPM limitation or in-flight RPM limitation exists
- The Raisbeck 5-bladed prop, the Raisbeck 4-bladed prop and the Hartzell 4-blade prop 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.

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 300/350/360 Propeller Comparison

	BLR Whisper Prop MT 5 Blade Composite	BLR Whisper Prop MT 7 Blade Composite ¹	Raisbeck Swept 5 Blade Composite	Raisbeck Swept 4 Blade Aluminum	Hartzell Factory 4 Blade Aluminum
2025 Price	\$176,550	\$243,700	\$206,174	\$147,576	\$223,220
Prop Diameter	102.4" (260.0 cm)	102.4" (260.0 cm)	106" (266.7 cm)	105" (266.7 cm)	105" (266.7 cm)
Weight Per Aircraft	334.2 lbs (151.6 kg)	444.5 lbs (201.6 kg)	343.2 lbs (155.7 kg)	356.5 lbs. (161.5 kg)	397.8 lbs. (180.4 kg)
TBO	4500 Hr. 72 Months	2000 Hr. 72 Months	4000 Hr. 72 Months	4000 Hr. 72 Months	4000 Hr. 72 Months
Noise	77.1 dB(A) 	74.7 dB(A) 	79.9 dB(A) 	80.0 dB(A) 	82.2 dB(A) 
Vmca Flaps Up	92 KIAS	92 KIAS	97 KIAS	92 KIAS	92 KIAS
Core Material	Natural Composite	Natural Composite	Foam	Aluminum	Aluminum
Leading Edge Material	Nickel Cobalt	Nickel Cobalt	Nickel Cobalt	Aluminum	Aluminum
In Field Repairable	Up to 1"	Up to 1"	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 was 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.

Raisbeck's VMCA Limitations

The Raisbeck 5-blade installation requires a V_{MCA} Flaps Up airspeed increase (from 92 KIAS (OEM) to 97 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 V_{MCA} placard above each pilot's primary display to highlight the the increase in V_{MCA} .

King Air 350 Pilot Experiences

Jay Silcott | Kansas City, Kansas | Aircraft: King Air 350

Experience: Owner and operator at Silcott Aviation

Pilot for 40 years, with over 20,000 flying hours



"Added performance,
added efficiency,
added safety,
I don't know how you
can beat them."



“Jay Silcott with Silcott Aviation. I've flown just about every King Air model that has been made. We really like the 350, we went out to acquire the 350 for a customer and in modification we were approached by the overhauler about the BLR propellers and we chose to go with the BLR Whisper Propellers® and we have been greatly pleased with all the aspects from the start. With the ground clearance, the resiliency of the composites for debris on the ramps, the fact that you can taxi the aircraft positively, you can accelerate it when you want to, you can slow it down, utilize and taxi without breaks because of the effectiveness of the reverse, and of course starting at takeoff from brakes off to V_{and} VR, I'm confident that the acceleration is much greater than the standard propellers. After takeoff we see an increase in the rate of climb, and somewhat of an increase in cruise. We equate that to safety and efficiency. The thing that the passengers, as well as the pilots, like the most is the quiet cabin. We operate a couple jets, the Hawker 4000, G4, and other later models and we find the cabin is just about similar to those aircraft at cruise. We run five hour legs on the airplane and it absolutely reduces your workload and the vibration reduction due to the propellers is just an easier day for your pilots and your passengers.

For those who are looking to replace their propellers, the other thing to consider is that the MT composites do have better clearance and resist the debris. After taxiing we inspect these propellers up and down and there are hardly any nicks at all on the propellers. So we are confident they are much more resistant than the standard four bladed propellers that come on the 350. The MT propeller is a proven propeller, it's on many different models, I think in excess of 20,000 - 25,000 propellers out there in the world. I think if you talk to any one of those operators it is very seldom that you hear of any problems with the MT propellers.

The fact is: we would never want to have a ground strike or a tug strike, however those things happen once in a while, having this type of propeller would absorb more of the energy rather than passing it on to the engine. For that matter in the worst case scenario I think you benefit from having the MT propeller, the Whisper Prop® with BLR. I highly recommend them. We love the looks of them, we think they are sexy looking, we get people to come and visit us on the ramp just to take a look at our propellers. Added performance, added efficiency, added safety, I don't know how you can beat them.

King Air 300 Winglets



Drag Reduction

Reduce Drag During Take-off for Better Climb Performance

Modern Appearance

Sleek Updated Design Sure to Increase Your King Air's Appearance

OEM Endorsed

Fly with Confidence Knowing BLR's Winglets are OEM Endorsed

LED Lighting Included

Reduce Glare and Never be Inconvenienced from a Burnt Out Bulb Again

Improved Handling/Performance

Cuts Through Drag for a Smoother Flight

Asset Value Appreciation

Guaranteed to increase Blue Book Value

Winglets & Whisper Prop®
King Air 300/350/360



Cost and Contact

2025 List Price for all BLR KA300/350/360 Upgrades

BLR-WP-350-5	BLR King Air 300 / 350 / 360 MT Whisper Prop (5 Blade) ¹	\$176,550
BLR-WP-350-7	BLR King Air 300 / 350 / 360 MT Whisper Prop (7 Blade) ^{1, 2}	\$243,700
KA-3W	BLR King Air 300 Winglet System with LED's	\$99,950
KDB-300	BLR Extended Length De-Ice Boots King Air 300	\$17,700
KA-3W Package	BLR King Air 300 Winglet System with LED's and De-Ice Boots	\$114,550
KA-LED-300	BLR King Air 300 Winglet and Tail LED Upgrade	\$13,600
KA-LED-300T	BLR King Air 300 Tail LED Upgrade	\$2,500

1. Propellers are delivered unassembled unless noted otherwise by BLR Sales. Assembly quote available upon request.

2. Kit includes Vortex Generators and Rudder Hinge Seals

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 to find the dealer nearest you or contact us directly:

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