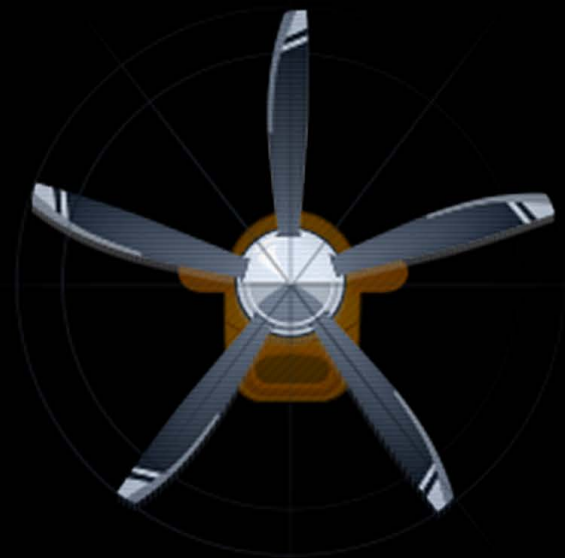




Beechcraft King Air **Winglets + Whisper Props**



BLR/MT Whisper Prop & Winglet Videos

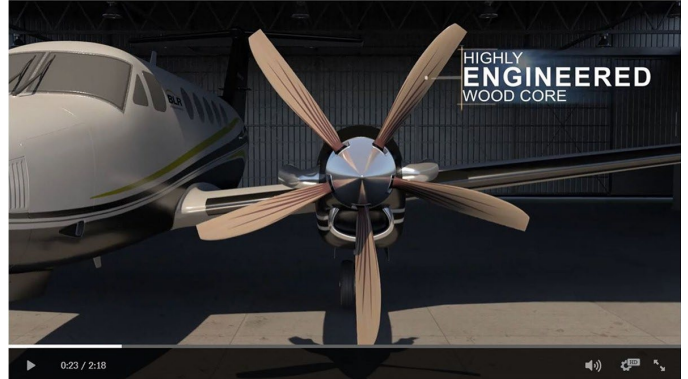
Visit [Youtube.com/blraerospace](https://www.youtube.com/blraerospace) for Whisper Prop and Winglet Performance Videos or click the video links below.

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

Winglets & Whisper Prop®
King Airseries



MT/BLR Whisper Prop® Benefits

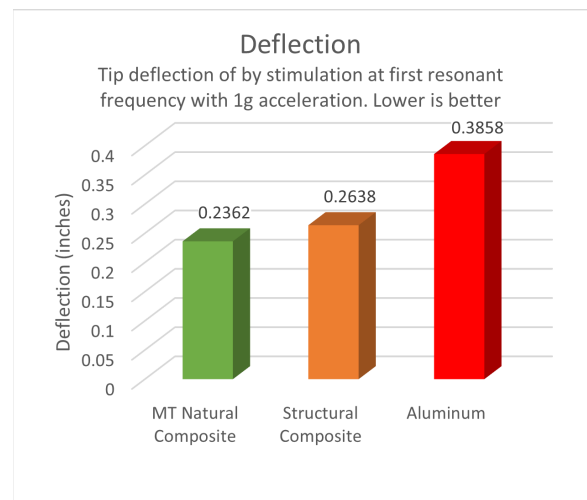
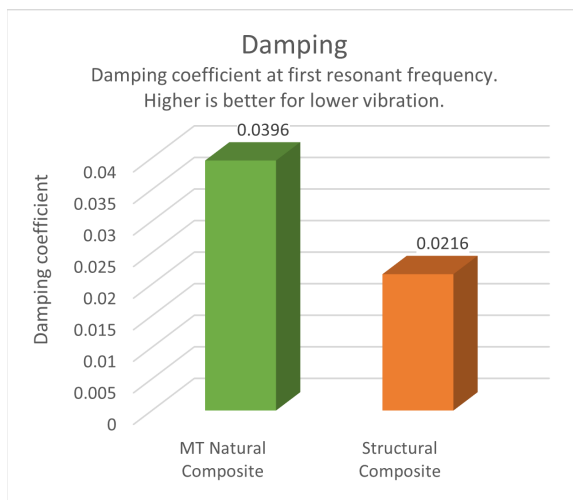
The five-bladed BLR Whisper Prop is manufactured by MT-Propeller. The Whisper Prop is engineered to be the most FOD resistant, quietest, easiest to repair and most durable props on the market today. The core of the blade is a hybrid comprised of resin injected beech and spruce hardwoods. The structural 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 King Air providing less runway FOD to the blades, engine, and hull.
- No compromise to airplane performance

Quietest Propeller - a 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 14.4dB (King Air 90) to 5.1dB (King Air 200 - 360) 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 and spruce 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 limitations exist.
- 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, passengers 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.



Winglets & Whisper Prop®

A New Spin on King Air Performance




King Air 90



Winglets & Whisper Prop®
King Air 90



King Air 90 Propeller Comparison

	BLR Whisper Prop MT 5 Blade Composite	Raisbeck Swept Turbofan 4 Blade Aluminum	Hartzell Factory GTX 4 Blade Aluminum
2023 Price	\$116,500	\$120,824	\$171,778
Prop Diameter	82.7" (210.0 cm)	96.0" (243.8 cm)	90" (228.6 cm)
Weight Per Aircraft	290.0 lbs (131.5 kg)	292.4 lbs (132.6 kg)	294.8 lbs. (133.7 kg)
TBO	4500 HR. 72 Months	4000 Hr. 72 Months	4000 Hr. 72 Months
Noise	68.3 dB(A) 	75.0 dB(A) 	82.7 dB(A) 
Vmca Flaps Up	87 KCAS 85 KIAS	94 KCAS 93 KIAS	87 KCAS 85 KIAS
Core Material	Natural Composite	Aluminum	Aluminum
Leading Edge Material	Nickel Cobalt	Aluminum	Aluminum
In Field Repairable	Up to 1"	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 VMCA Limitations

The Raisbeck 4-blade installation requires a V_{MCA} Flaps Up airspeed increase (from 85 KIAS (OEM) to 93 KIAS). Installing the Raisbeck 4-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 increase in V_{MCA} .

Winglets & Whisper Prop Ultimate Performance Package

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

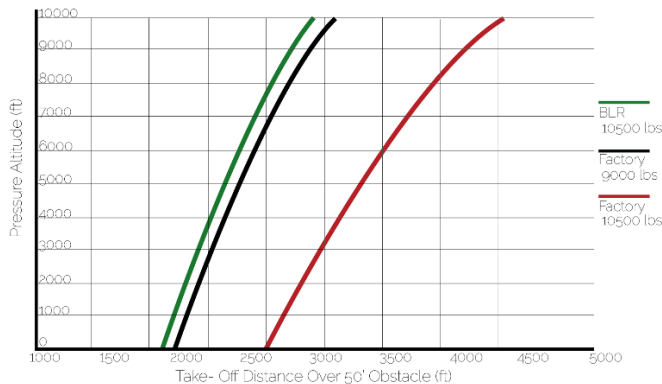
BLR King Air go Winglet System with LEDs:

- 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 and. 13% Increase in one engine inoperative climb rate
- Additional stability allows for improved handling qualities during slow flight
- Extended length de-icing boots are available for additional leading edge ice protection
- Stall speed reduced 9 KCAS (FAA Certified)

BLR King Air go Ultimate Performance Package (UPP) AFMS:

- Certified performance charts included in our AFM supplement
- Stall speed improvement from 90 KCAS to 80 KCAS (compared to Raisbeck)
- Flaps up V_{MCA} from 94 KCAS (Raisbeck) to 87 KCAS - significant safety improvement
- Certified take-off distances improved by up to 32%
- Maximum take-off weight (MTOW) increased to 10,500 lbs.

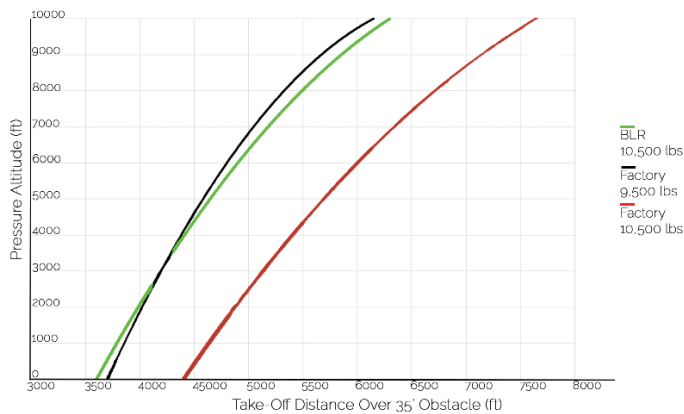
King Air go Flaps Up Take-Off Distance, ISA Day



32% Reduction
in Take-Off
Distance

1500 lbs
Increase in
Useful Load

King Air go Flaps Up Accelerate-Go Take-Off Distance, ISA Day



20% Reduction
in Take-Off
Distance

1000 lbs
Increase in
Useful Load

Cost and Contact

2023 List Price for all BLR KA 90 Upgrades

KA-gW (LJ-1085 and on)	BLR King Air 90 Winglet System with LED's ¹	\$76,950
BLR-WP-90	BLR King Air 90 MT Whisper Prop	\$116,500
KDB-90	BLR Extended Length De-ice Boots for King Air 90	\$15,950
KA-LED-90	BLR King Air 90 Winglet + Tail LED Upgrade (Included with BLR Winglet Kit KA-gW)	\$12,350
KA-LED-90T	BLR King Air 90 Tail Only LED Upgrade	\$1,995
KA-90UPP	BLR King Air 90 Ultimate Performance Package AFMS (Included with BLR Winglet Kit KA-gW)	\$15,000

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:

Chris Stafford

+1-425-405-4770

CStafford@BLRaerospace.com

Winglets & Whisper Prop®
King Air 90



Winglets & Whisper Prop®

A New Spin on King Air Performance






King Air 200/250/260



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



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
2023 Price	\$121,500	\$167,445	\$258,440	\$163,228	\$120,824
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_{MCA} Limitations

The Raisbeck 5-blade installation requires a V_{MCA} 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_{MCA}.

Winglets & Whisper Prop Ultimate Performance Package

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

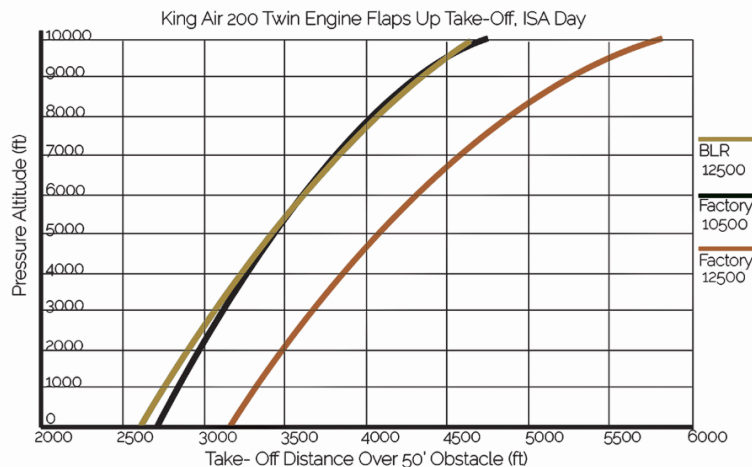
BLR King Air 200 Winglet System with LEDs:

- 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)

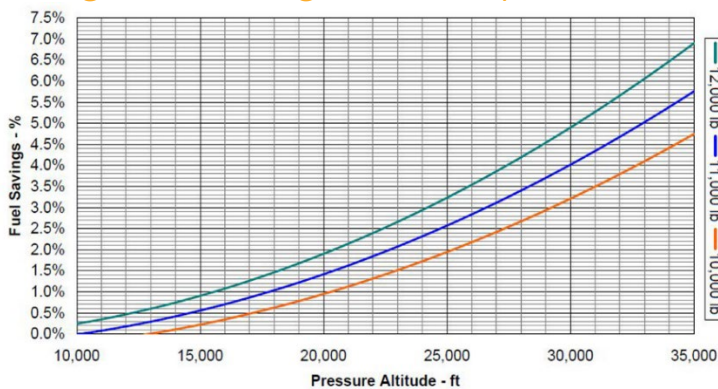
Shorter Take-Off



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

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



Cost and Contact

2023 List Price for all BLR KA200/250/260 Upgrades

KA-2W	BLR King Air 200 Winglet System with LED's	\$92,450
BLR-WP-200	BLR KA200/250/260 MT Whisper Prop	\$121,500
KDB-200	BLR Extended Length De-Ice Boots for KA200	\$16,950
KA-200UPP	BLR KA200 Ultimate Perform. Package AFMS (Included with winglet purchase for -42 engines or -52/61 engines without RARS)	\$15,000
KA-200GT-UPP	BLR KA200GT UPP AFMS (Included with winglet purchase for -52/61 engines with RARS)	\$35,000
KA-LED-200	BLR KA 200/250/260 Winglet System LED Upgrade (Included with BLR's Winglet Kit KA-2W)	\$12,350
KA-LED-200T	BLR KA 200/250/260 Tail Only LED Upgrade (Included with BLR's Winglet Kit KA-2W)	\$1,995

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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+1-425-405-4770
CStafford@BLRaerospace.com

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



Winglets & Whisper Prop®

A New Spin on King Air Performance





King Air 300/350/360



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



King Air 300/350/360 Propeller Comparison

	BLR Whisper Prop MT 5 Blade Composite	Raisbeck Swept 5 Blade Composite	Raisbeck Swept 4 Blade Aluminum	Hartzell Factory 4 Blade Aluminum
2023 Price	\$153,500	\$168,799	\$120,824	\$184,862
Prop Diameter	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)	343.2 lbs (155.7 kg)	356.5 lbs. (161.5 kg)	397.8 lbs. (180.4 kg)
TBO	4500 Hr. 72 Months	4000 Hr. 72 Months	4000 Hr. 72 Months	4000 Hr. 72 Months
Noise	77.1 dB(A) 	79.9 dB(A) 	80.0 dB(A) 	82.2 dB(A) 
Vmca Flaps Up	92 KIAS	97 KIAS	92 KIAS	92 KIAS
Core Material	Natural Composite	Foam	Aluminum	Aluminum
Leading Edge Material	Nickel Cobalt	Nickel Cobalt	Aluminum	Aluminum
In Field Repairable	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 300 Winglets



Performance Highlights

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

2023 List Price for all BLR KA300/350/360 Upgrades

KA-3W	BLR King Air 300 Winglet System with LED's	\$92,450
BLR-WP-350	BLR KA300/350/360 MT Whisper Prop	\$153,500
KDB-300	BLR Extended Length De-Ice Boots for KA300	\$16,950
KA-LED-300	BLR KA 300 Winglet System LED Upgrade (Included with BLR's Winglet Kit KA-3W)	\$12,350
KA-LED-300T	BLR KA 300 Tail Only LED Upgrade (Included with BLR's Winglet Kit KA-3W)	\$1,995

For More Information

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

