



CommuterAirTechnology

AGC AEROSPACE & DEFENSE

CUTTING EDGE DESIGN FOR A MODERN TURBOPROP

Commuter Air Technology introduces German designed and manufactured 5-bladed MT-Propellers that enhance the performance and safety of your King Air 90, 200 or 300 series aircraft. In addition to being the go-to OEM provider for 90% of the European Aircraft Industry and 30% of the US Aircraft Industry, MT is the global leader and at the forefront of advanced propeller design.

The innovative 5-blade MT-Propeller delivers unprecedented advantages over conventional 4-blade aluminum propellers:

QUIETER

The 5-blade conversions significantly reduce propeller noise due to slower tip speeds.

MORE TAKEOFF AND CLIMB THRUST

The 5-blade propeller and swept tip design increases surface area, lowers tip speeds, and improves smooth airflow over the blades. This results in increased thrust and improved takeoff and climb performance.

BETTER ICING PERFORMANCE

The natural composite material has low heat conductivity, meaning your de-ice boots stay hotter where heat is needed with less electrical draw when compared to aluminum.

REDUCED WEIGHT

MT-Propellers are significantly lighter than aluminum propeller systems, meaning more useful load and lower engine stresses and starting temperatures.

REDUCED VIBRATION

Aluminum allows for harmonic vibration, natural composites dampen vibrations. MT-Propellers will increase the service life of all aircraft components affected by vibrations.

MORE GROUND CLEARANCE

MT-Propeller's smaller diameter increases the margin of safety between the blade tip path and the ground, reducing the chances of prop damage. Combined with the features mentioned above, MT-Propellers improve overall safety and expand your ability to operate from shorter runways and remote airfields.

EASY INSTALLATION

Simply bolt it on and use your existing prop speed governor. This can be done at any of the 60 worldwide service centers (33 in North America) which is highly desirable by customers operating in the field that need quick, yet safe installations.



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Contact Commuter Air Technology today to learn how MT-Propellers can enhance your aircraft.
405-694-4755 | CAT.sales@commuterair.com.



MT-PROPELLERS AT A GLANCE

- Best vibration dampening characteristics for near vibration-free propeller operations
- Significant cabin noise and vibration reduction
- Bonded on nickel alloy leading edge for superior erosion protection of the blades
- Overall performance improvement of 5% to 12% in take-off and climb
- Weight reduction of 25 lbs less weight than the original 4-blade propellers with aluminum blades
- Increased single engine and low RPM performance
- No propeller speed restrictions on ground while operating in low idle
- Increased ground clearance resulting in less FODs
- Unlimited blade life and FOD repairable blades
- Replace single blades in the field instead of whole prop assembly

2 ENGINE DISTANCES	TO V1	TO VROT	TO LIFT OFF	TO 35 FT FROM LIFT OFF
Measured Hartzell Distances	1917	2194	2740	3424
Measured MT Distances	1626	1864	2313	3023
<i>(The above distances are not corrected for differences in runway gradient.)</i>				
Improvement As Measured	291	330	427	400
Adjustment for runway Gradient	191	230	327	300
% Improvement	10%	11%	12%	9%
<i>(% is as compared to the Hartzell measured distance to that point.)</i>				
<i>(All distances in feet, aircraft weight 14800 – 14300 lbs.)</i>				
<i>(This data has a scatter of about +/- 100 feet, so the improvement is outside the scatter band.)</i>				

Commuter Air Technology is MT's exclusive provider to US Department of Defense operators and is an authorized dealer of Finnoff Aviation Products.



For information on how MT-Propellers can enhance your aircraft, contact our sales team at **405-694-4755** or CAT.sales@commuterair.com.