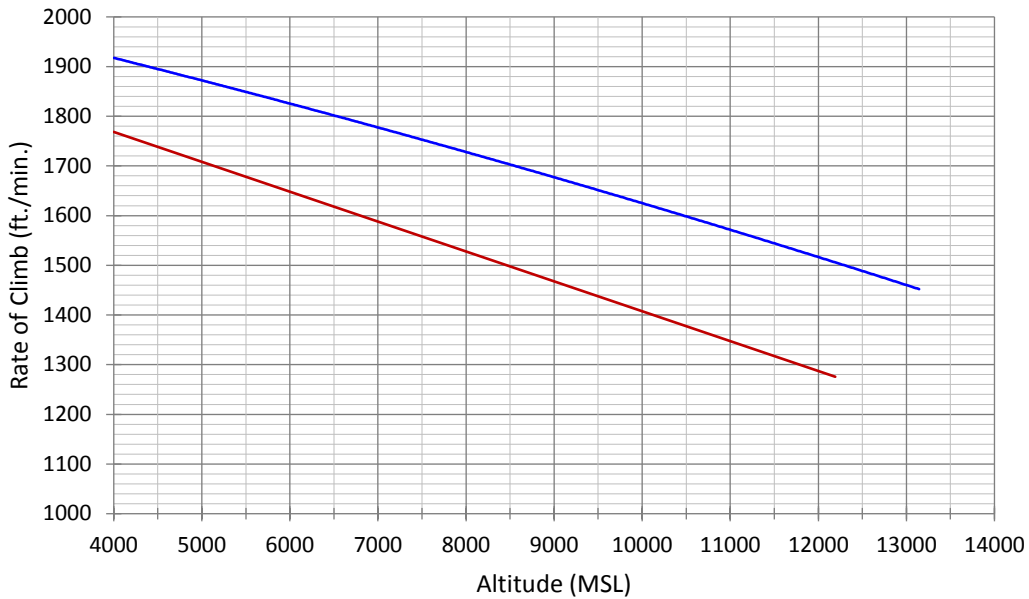


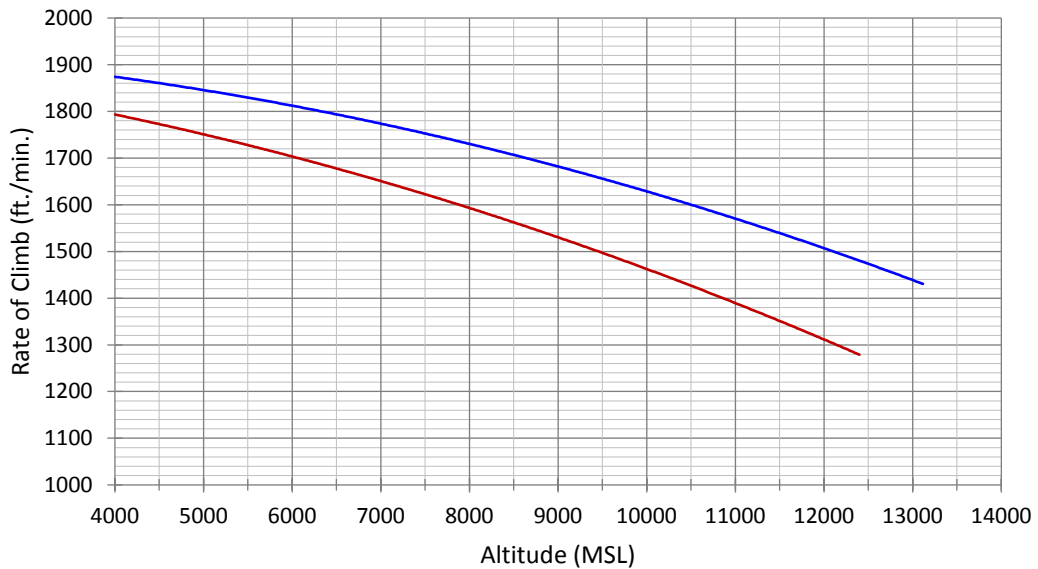
SUPER CASA

Climb performance with Flaps 0 showed an average improvement of 11.6%. The average improvement in climb performance with Flaps 25 was 8.5%. This testing was performed with the airplane loaded at medium weight.

Climb Performance - FLAPS 0, 105 KTS.



Climb Performance - FLAPS 25, 105 KTS.



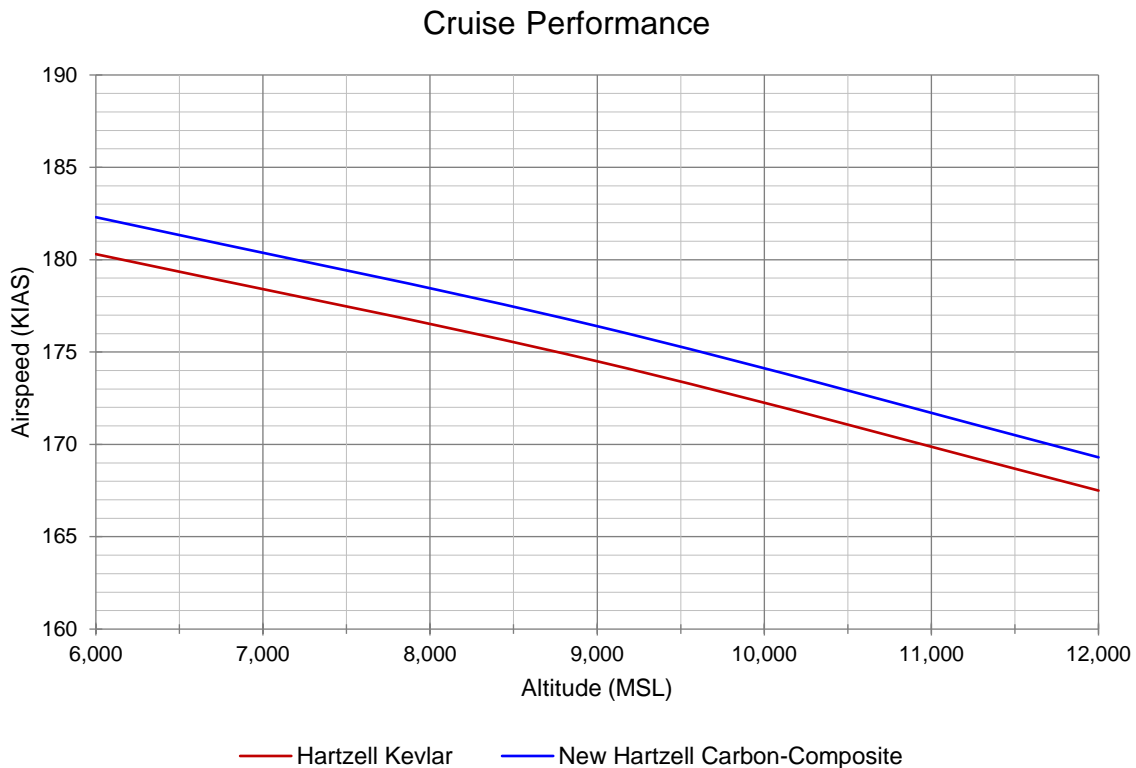
— Hartzell Kevlar Propeller

— Hartzell Carbon-Composite Propeller



Cruise Performance

A 2-3 KT increase in airspeed with the new propeller was observed when tested at 6000, 9000, and 12000 ft. MSL. This testing was performed with the same torque and EGT values for both the new propellers and the Hartzell Kevlar propellers.



Ordering the New Propellers

The new propeller set can be order either directly through Texas Turbine Conversions or through Airbus Defense and Space. Texas Turbine Conversions can be contacted at (972) 382-2500. Propeller pricing is available through these companies. A deposit of \$10,000 per propeller set and \$5000 per spare propeller is required with each order. The lead time is estimated by Hartzell to be 12-14 weeks, although Hartzell is attempting to keep at least 1 set on the shelf for prompt delivery. Orders will be filled in the order in which deposits are received.



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 Piqua, OH 45356-2634 USA
 Tel: +1-937-778-4200
 Fax: +1-937-778-4215
 www.hartzellprop.com

PROPELLER DATA SHEET

Model Numbers

Aircraft..... C.A.S.A. C-212-CC, CD, CE, CF, DF
 Engine..... TPE-331-10, -10R
 Propeller..... HC-E5N-5KL/JNC10905B
 Spinner..... 106528P
 Blade..... JNC10905B
 Hub..... HC-E5N-5KL
 Control System..... 5

Configuration

Number of Blades..... 5
 Propeller Diameter..... 112.0 inches 284.5 CM
 Spinner Diameter..... 19.8 inches 50.3 CM
 Spinner Length..... 25.4 inches 64.5 CM
 Hub Material..... Aluminum
 Spinner Material..... Aluminum

Blade Data

Activity Factor / Blade..... 116
 Design Lift Coefficient (CL_i)..... 0.654
 Blade Material..... Carbon Composite

Weights and Moments

| | | | |
|---|-------------------------------|----------------------------|--|
| Basic Propeller..... | 173.0 pounds | 78.47 Kg | <input type="checkbox"/> Measured |
| Spacer..... | pounds | Kg | <input type="checkbox"/> Measured |
| Mounting Hardware..... | pounds | Kg | <input type="checkbox"/> Measured |
| Spinner..... | 11.2 pounds | 5.08 Kg | <input type="checkbox"/> Measured |
| De-Ice..... | 6.2 pounds | 2.81 Kg | <input type="checkbox"/> Measured |
| Total Weight..... | 190.4 pounds | 86.36 Kg | <input checked="" type="checkbox"/> Measured |
| Polar Moment of Inertia..... | 11.57 slugs x ft ² | 15.687 Kg x M ² | <input checked="" type="checkbox"/> Measured |
| Distance from Blade Center to Mounting Flange (CG location)..... | 3.660 inches | 9.30 CM | |

Restrictions / Placards

Stabilized ground operation is prohibited below 1034 (65%) RPM.

Oil weight approx 2.5 lbf at reverse, 0.25 lbf at feather

NOTE 1: OPERATING RESTRICTION INFORMATION MUST BE COMMUNICATED TO ALL OPERATORS IN THE FLIGHT AND MAINTENANCE MANUALS, AND ALSO IDENTIFIED ON INSTRUMENT OR PANEL MARKINGS WHERE APPROPRIATE.

NOTE 2: Unless otherwise noted, all data are analytically estimated at nominal dimension.

printed: 11/5/2018