

Twin Otter Extended: Inside and Out



Twin Otter Extended Inside Out: An Almost Aviation Guide by Sherwin Bitsui

★★★★☆ 4.5 out of 5

Language : English
File size : 3175 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 169 pages
Lending : Enabled



The Twin Otter Extended (XTW) is an upgraded version of the Twin Otter Series 400 aircraft, offering enhanced performance, efficiency, and comfort. Developed by Viking Air, the XTW made its first flight in 2010 and entered service in 2012. Since then, it has become a popular choice for a wide range of applications, including passenger and cargo transportation, search and rescue, and medical evacuation.

Exterior

The XTW retains the iconic high-wing, twin-engine configuration of the Twin Otter Series 400. However, it features a number of exterior modifications that improve its aerodynamic performance and enhance its operational capabilities.

- **Redesigned wings:** The XTW's wings have been redesigned to reduce drag and improve lift. This results in better fuel efficiency and

increased range.

- **Larger vertical stabilizer:** The vertical stabilizer has been enlarged to provide increased directional stability and improve handling.
- **New engine nacelles:** The XTW's engine nacelles have been redesigned to improve cooling and reduce noise.
- **Integrated winglets:** Winglets have been integrated into the wingtips to further reduce drag and improve fuel efficiency.
- **Wheel fairings:** Wheel fairings have been added to the main landing gear to reduce drag and improve aerodynamics.

Overall, the XTW's exterior modifications have resulted in a more efficient and capable aircraft that is better suited for a wider range of operating conditions.

Interior

The XTW's interior has been redesigned to provide increased passenger comfort and flexibility. The cabin is more spacious than the Series 400, with larger windows and improved lighting. The seats are wider and more comfortable, and there are more options for seating configurations.

- **Increased cabin space:** The XTW's cabin is 4% larger than the Series 400, providing more legroom and headroom for passengers.
- **Larger windows:** The XTW's windows are 25% larger than the Series 400, offering passengers a better view and a more comfortable cabin experience.
- **Improved lighting:** The XTW's cabin lighting has been upgraded to provide a brighter and more comfortable environment for passengers.

- **Wider and more comfortable seats:** The XTW's seats are wider and more comfortable than the Series 400, providing passengers with a more relaxing and enjoyable flight experience.
- **More flexible seating configurations:** The XTW offers more options for seating configurations, allowing operators to customize the cabin to suit their specific needs.

Overall, the XTW's interior has been designed to provide passengers with a more comfortable and enjoyable flight experience.

Performance

The XTW offers improved performance over the Series 400, thanks to its upgraded engines and aerodynamic enhancements. It has a higher cruise speed, a longer range, and a better rate of climb.

- **Higher cruise speed:** The XTW's cruise speed is 190 knots, compared to 180 knots for the Series 400.
- **Longer range:** The XTW's maximum range is 1,200 nautical miles, compared to 1,000 nautical miles for the Series 400.
- **Better rate of climb:** The XTW's rate of climb is 1,200 feet per minute, compared to 1,000 feet per minute for the Series 400.

The XTW's improved performance makes it a more versatile and capable aircraft, suitable for a wider range of missions.

Efficiency

The XTW is a more efficient aircraft than the Series 400, thanks to its improved aerodynamics and upgraded engines. It has a lower fuel consumption and a longer range.

- **Lower fuel consumption:** The XTW's fuel consumption is 10% lower than the Series 400.
- **Longer range:** The XTW's maximum range is 1,200 nautical miles, compared to 1,000 nautical miles for the Series 400.

The XTW's improved efficiency makes it a more cost-effective aircraft to operate.

Comfort

The XTW offers a higher level of comfort for passengers and crew than the Series 400. It has a more spacious cabin, larger windows, and improved lighting. The seats are wider and more comfortable, and there are more options for seating configurations.

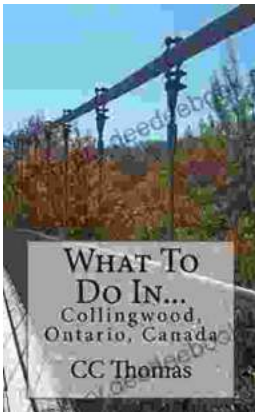
- **Increased cabin space:** The XTW's cabin is 4% larger than the Series 400, providing more legroom and headroom for passengers.
- **Larger windows:** The XTW's windows are 25% larger than the Series 400, offering passengers a better view and a more comfortable cabin experience.
- **Improved lighting:** The XTW's cabin lighting has been upgraded to provide a brighter and more comfortable environment for passengers.
- **Wider and more comfortable seats:** The XTW's seats are wider and more comfortable than the Series 400, providing passengers with a more relaxing and enjoyable flight experience.
- **More flexible seating configurations:** The XTW offers more options for seating configurations, allowing operators to customize the cabin to suit their specific needs.



Twin Otter Extended Inside Out: An Almost Aviation Guide by Sherwin Bitsui

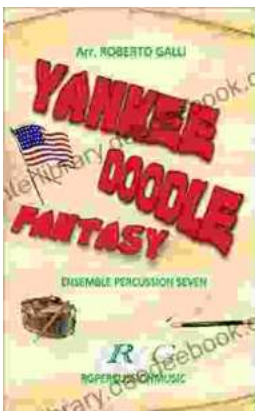
★★★★☆ 4.5 out of 5

Language : English
File size : 3175 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 169 pages
Lending : Enabled



Discover the Enchanting Allure of Collingwood, Ontario, Canada

Nestled amidst the breathtaking landscape of Ontario, Canada, the charming town of Collingwood beckons travelers with its pristine beaches, picturesque trails, vibrant arts...



Roberto Galli: Embracing the Fantasy of Yankee Doodle

In the realm of equestrian arts, Roberto Galli stands as a maestro of innovation and enchantment. His masterwork, Yankee Doodle Fantasy, has...

