

Phenom 300EV:

A New Chapter for Embraer's Light Jet Leader

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Executive Summary:

The Embraer Phenom 300EV represents a significant evolution of the Phenom 300 family, adding advanced automation, safety, performance, connectivity, and cabin enhancements while preserving the proven foundation of the platform. With Garmin Emergency Autoland, increased range, a higher maximum zero-fuel weight, a structural vacuum lavatory modification, and other upgrades, the 300EV establishes a new technological high end for the family. As deliveries begin in 2028 and Phenom 300E production winds down, the new model could also reshape the market for buyers evaluating a new or pre-owned Phenom 300 for sale.

Key Takeaways:

- The Phenom 300EV introduces Garmin Emergency Autoland alongside autothrottle, autobrake, rudder-by-wire, expanded runway and taxiway awareness, synthetic vision, and improved navigation capabilities.
- Performance improvements include a range increase to 2,055 nautical miles and a 430-pound increase in maximum zero-fuel weight, further expanding the capabilities of this light jet platform.
- A new vacuum lavatory represents a structural modification to the aircraft, distinguishing the Phenom 300EV from earlier Phenom 300 variants beyond its avionics and software upgrades.
- The Phenom 300EV starts at \$13.995 million before additional equipment and options, with deliveries expected to begin in 2028 and final Phenom 300E production currently planned for December 2027.
- The introduction of the 300EV could eventually create greater separation in pricing and positioning among the Phenom 300, 300E, and 300EV, making technology, configuration, aircraft condition, maintenance history, and availability increasingly important considerations for buyers and sellers.

FAQ:

What are the major upgrades included in the Embraer Phenom 300EV?

The Phenom 300EV adds Garmin Emergency Autoland, autothrottle, autobrake, rudder-by-wire, expanded runway and taxiway awareness, synthetic vision, improved navigation capabilities, new lithium-ion batteries, increased range, a higher maximum zero-fuel weight, and a vacuum lavatory. Together, these changes represent a substantial evolution of the Phenom 300 platform.

How does the Phenom 300EV compare with the Phenom 300E?

The Phenom 300EV builds on the Phenom 300E with a new generation of automation, safety, performance, connectivity, and cabin improvements. These enhancements could create a clearer distinction between the two generations as buyers compare a new 300EV with a pre-owned Phenom 300 for sale.

When will the Phenom 300EV become available?

Phenom 300EV deliveries are expected to begin in 2028. Embraer plans to produce the final Phenom 300E in December 2027, and current 300E position holders have been given the opportunity to convert to the EV.

How could the Phenom 300EV affect pre-owned Phenom 300E values?

The arrival of the Phenom 300EV could place pressure on Phenom 300E values over time if buyers place a premium on the EV's newer technology and capabilities. However, exceptionally tight 300E inventory may limit the immediate impact, while future EV upgrades could eventually bring additional pre-owned 300Es to market.

What should buyers and sellers consider as the Phenom 300EV enters the market?

As distinctions between the Phenom 300, 300E, and 300EV increase, buyers evaluating light jets for sale may have a broader range of choices based on technology, age, configuration, availability, and price. For sellers considering how to sell a private jet, aircraft condition, equipment, maintenance history, and market positioning could become even more important as the different Phenom 300 generations establish clearer positions in the market.

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