



THIRD PHENOM 100 JET TAKES OFF FOR THE FIRST TIME

Flight test campaign of the executive jet progresses



Third Phenom 100 jet

São José dos Campos, December 21, 2007 – The third Phenom 100 jet took its first flight, today, from the test runway at the Embraer's Gavião Peixoto facility, outstate São Paulo, Brazil, and will join the aircraft flight test campaign, performing interior function and reliability tests.

This jet, the first to be completed in the newly-inaugurated hangar at the same site, will be outfitted with the interior designed in partnership with BMW DesignworksUSA. The fourth aircraft is in the final assembly stage and will be used in the Phenom 100 maturity campaign.

“The Phenom 100 flight test campaign has accrued over 250 hours on more than 260 flights,” said Henrique Langenegger, Embraer Vice President, Programs - Executive Jets. *“The aircraft dispatch reliability has been excellent, showing that all investments made in product maturity were worthwhile.”*

The tests now include three Phenom 100 jets, which have recently completed performance, flying qualities, flutter, water ingestion, and artificial ice tests.

With the steady pace of the Phenom program, the fuselage of the first Phenom 300 is now ready. The first pair of Pratt & Whitney Canada PW535E engines has arrived at Embraer for installation on the jet, once the wing-fuselage mating occurs. Final assembly of the Phenom 300 will take place in the new Phenom production hangar at the Gavião Peixoto facility.

About the Phenom Jets

Premium comfort, outstanding performance and low operating costs are key design drivers for the Phenom 100 and Phenom 300 best-in-class jets. With the interior designed by BMW Group DesignworksUSA, both aircraft will offer pilots and passengers the comfort and style previously unknown in their categories. The relaxing ambience is enhanced by generous windows and the most ample cabin in their class. Onboard conveniences include a wardrobe or refreshment center, an aft cabin private lavatory with toiletry cabinet, and satellite communications.

PRESS OFFICES

Headquarters (Brazil)

Rosana Dias
rosana.dias@embraer.com.br
 Cell: +55 12 9724 4929
 Tel.: +55 12 3927 1311
 Fax: +55 12 3927 2411

North America

Pedro Ferraz
pedro.ferraz@embraer.com
 Cell: +1 954 651 1871
 Tel.: +1 954 359 3414
 Fax: +1 954 359 4755

Europe, Middle East and Africa

Stéphane Guilbaud
sguilbaud@embraer.fr
 Cell: +33 6 7522 8519
 Tel.: +33 1 4938 4455
 Fax: +33 1 4938 4456

China

Tracy Chen
tracy.chen@bjs.embraer.com
 Cell: +86 139 1018 2281
 Tel.: +86 10 6598 9988
 Fax: +86 10 6598 9986



The pilot-friendly cockpit and the docile flying qualities of the two new aircraft will enable single-pilot operation. Drawing from Embraer's design and engineering experience, the Phenom 100 and the Phenom 300 are designed for high utilization and availability. For added safety and reliability, both jets will offer a standard anti-skid brake-by-wire system.

Based on Garmin's all-glass, fully-integrated avionics suite, the Prodigy[®] flight deck offers Phenom jet operators more advantages than any other avionics suite on today's market. The cockpit features three interchangeable 12-inch displays – two Primary Flight Displays (PFD) and one Multi-Function Display (MFD). The system integrates all primary flight, navigation, communication, terrain, traffic, weather, engine instrumentation, and crew-alerting system data and presents the composite information in brilliant, sunlight-readable color on three high-definition displays.

In a typical club configuration, the Phenom 100 will comfortably accommodate four passengers. The generous 55-cubic-foot (1.56-cubic-meter) baggage compartment is big enough to store luggage, golf bags and even skis.

Two Pratt & Whitney Canada PW617F engines, with 1,615 pounds of thrust each, power the jet. Its range with four occupants will be 1,160 nautical miles (2,148 km or 1,335 miles) with NBAA IFR reserves, 35 minutes, and 100 nm alternate; or 1,320 nautical miles (2,445 km or 1,519 miles) with NBAA VFR reserves, 45 minutes. The aircraft is capable of flying at 41,000 feet (12,497 meters) at a maximum operating speed of Mach 0.70 and is designed for short-field takeoffs. These characteristics will allow customers to fly nonstop from New York to Miami, and from Los Angeles to Vancouver or Denver at a lower cost than competitive aircraft, including turboprops.

The Phenom 100 is priced at US\$ 2.98 million, based on January 2005 economic conditions, in the baseline configuration, for FAA certification. The aircraft's maiden flight took place last July, and the jet is currently carrying out the certification flight test campaign in order to enter service in mid-2008.

With a configuration to accommodate up to nine occupants, the Phenom 300 jet has a large 76-cubic-foot (2.15-cubic-meter) baggage compartment that will conveniently transport passengers' luggage, golf bags and skis.

Two Pratt & Whitney Canada PW535E engines, with 3,200 pounds of thrust each, power this jet. Its range with six occupants will be 1,800 nautical miles (3,334 km or 2,071 miles) with NBAA IFR reserves, 35 minutes and 100 nm alternate. The aircraft is capable of flying at 45,000 feet (13,716 meters) at a maximum operating speed of Mach 0.78 and is also designed for short-field takeoffs. These capabilities will permit customers to fly nonstop from New

PRESS OFFICES

Headquarters (Brazil)

Rosana Dias
rosana.dias@embraer.com.br
 Cell: +55 12 9724 4929
 Tel.: +55 12 3927 1311
 Fax: +55 12 3927 2411

North America

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pedro.ferraz@embraer.com
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Europe, Middle East and Africa

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 Tel.: +33 1 4938 4455
 Fax: +33 1 4938 4456

China

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York to Denver or Santo Domingo (Dominican Republic); and from Los Angeles to Detroit, Mexico City (Mexico) or Atlanta at a lower cost than competitive aircraft.

Expected to enter service in mid-2009, the Phenom 300 is priced at US\$ 6.65 million, based on January 2005 economic conditions, in the baseline configuration, for FAA certification.

More information about Embraer Executive Jets is available at www.EmbraerExecutiveJets.com.

Embraer Image Gallery

Visit the Embraer Image Gallery at www.embraer.com.



Note to Editors

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Headquarters (Brazil)

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