



# EMBRAER'S PHENOM 300, LEGACY 450 AND LEGACY 500 BUSINESS JETS AWARDED SPEED RECORDS BY THE NAA

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Embraer was awarded certificates by the National Aeronautic Association (NAA) for speed records set by its Phenom 300, Legacy 450 and Legacy 500 business jets in a ceremony held yesterday during the National Business Aviation Association (NBAA) 2017 Business Aviation Conference and Exhibition (NBAA-BACE), in Las Vegas.

The Phenom 300 light jet set new speed records on two flights over the Caribbean and the United States. The first flight was from Philipsburg, St. Martin to Fort Lauderdale, Miami, on September 1, 2016. The flight lasted 2 hours and 41 minutes, and reached an average speed of 455.7 mph (733.38 km/h), covering a distance of 1,063 nautical miles (1,969 km). The second flight was from Anchorage, Alaska to Van Nuys, California, on April 28, 2017. The flight lasted 4 hours and 42 minutes. According to the NAA, the aircraft reached an average speed of 494.59mph (795.96 km/h) and covered a distance of 2,022 nautical miles (3,745 km). The Phenom 300 is powered by two Pratt & Whitney Canada PW535E engines with 3,360lbf of thrust each with a top speed of 453 knots (521 mph or 838 km/h) and a range of 1,971 nautical miles (3,650 km) with six occupants and NBAA IFR reserves.

The midsize cabin Legacy 450 set new speed records on three flights in the United States, and between Australia and Indonesia. The first flight was from Oakland, California to Maui, Hawaii, on December 5, 2016, which lasted 5 hours and 14 minutes, covering a distance of 2,428 miles (3,907 km), recording its longest flight to date. According to the NAA, the aircraft achieved an average speed of 449.91 mph. The second flight was the following day, from Maui to San Francisco, California, covering a distance of 2,379 miles (3,829 km). The flight lasted 4 hours and 27 minutes, with an average speed of 525.89 mph (846.34 km/h). The third flight was from Perth, Australia to Jakarta, Indonesia, on March 8, 2017. The flight lasted 4 hours and 36 minutes, covering a distance of 1,620 nautical miles (3,000 km). According to the NAA, the aircraft achieved an average speed of 404.9 mph, establishing the speed record for this course. The Legacy 450 is powered by two Honeywell HTF 7500E engines with 6,540 lbf of thrust each with a top speed of

Mach 0.83 (629 mph or 1,012 km/h) and a range of 2,900 nm (5,371 km) with four passengers and NBAA IFR Reserves.

The Legacy 500 midsize jet set two new speed records over Europe. The first flight was between Bremen, Germany and Moscow, Russia on September 7, 2016, recording an average speed of 481.75 mph (775.3 km/h) during a flight lasting 2 hours and 24 minutes and covered a distance of 1,008 nm (1,867 km). The second flight happened on September 11, 2016, between Moscow and Paris, France, which lasted 3 hours and 11 minutes and covered a distance of 1,332 nautical miles (2,467 km). According to the NAA, an average speed of 480 mph (772.49 km/h) was achieved. The Legacy 500 is powered by two Honeywell HTF 7500E engines with 7,036 lbf of thrust each with a top speed of Mach 0.83 (629 mph or 1,012 km/h) and a range of 3,125 nm (5,371 km) with four passengers and NBAA IFR Reserves.

The National Aeronautic Association (NAA) and the Federation Aeronautique Internationale have confirmed each of these flights as a U.S. record and a world record, respectively. In all speed record flights, the aircraft completed the missions with NBAA IFR fuel reserves.

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