

# About the Embraer 110

Agape Flights uses the Embraer 110  
"Bandeirante," or "Bandit."

Our main ship, N316AF, was built in 1980 by the  
Brazilian manufacturer Embraer  
(Empresa Brasileira de Aeronáutica).

The Embraer 110 'Bandit' is certified for day or  
night flight, operating under visual or instrument  
flight rules and known icing conditions.



## Weights and Loadings

**Max. Ramp Weight:** 12,566

**Max Takeoff Weight:** 12,500

**Empty Weight:** 7,205

**Useful Load:** 5,294

**Max Agape Cargo Load:** 3,000 lbs

**Fuel Capacity:** 454 gallons

**Wing Loading:** 39.91 lbs per square foot

**Power Loading:** 8.33 lbs/HP

## Performance

**Stall Speed V<sub>so</sub>:** 72 kias

**V<sub>fe</sub>:** 148 kias

**V<sub>le/lo</sub>:** 146 kias

**V<sub>mo</sub>:** 230 kias

**Rate of Climb:** 1,250 fpm

**Takeoff Ground Roll:** 2,500 feet

**Max Ceiling:** 25,000 feet

**Cruise Performance:** 200 knots

## Range and Endurance

At 200 ground speed, fuel consumption of 500  
pounds per hour, range is 5.5 hours or  
1,100 nautical miles

**Powerplant:** Pratt and Whitney PT6A-34

**Takeoff power @ 2,200 RPM:** 750 shp

**Max continuous power:** 700 shp

## Propeller

Constant speed, fully feathering, reversible

**Diameter:** 93 inches

**Prop tip clearance:** 10.8 inches

## Fuselage

**Cabin Width:** 63.0 inches

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**Cabin Length:** 374.0 inches

**Rear Cargo Door Width:** 71 inches

**Height:** 56 inches

## Dimensions

**Width:** 50.26 feet

**Length:** 49.54 feet

**Height:** 16.54 feet

**Minimum Turning Radius:** 41.6 feet

