

A Flying Car

F.A.A. Gives the Go Ahead

July 2010



Flying Car



Flying Car



The Terrafugia Transition is a two-seater car that can convert from road to air in less than a minute, without the driver leaving the vehicle.

Flying Car

The wings fold when it is in car mode and the car can travel at speeds of up to 90 mph. The wings then unfold for flight mode in which it can cruise at a speed of 115 mph for up to 500 miles on a tank of unleaded gasoline.

The "roadable aircraft" is powered by the same 100-bhp engine whether it is on the ground or in the air.

Certified as a Light Sport Aircraft, the Transition will require a Sport Pilot license or higher to fly. It can take off or land at any public use general aviation airport with at least 2,500 feet of runway.

The vehicle was developed by former NASA engineers and built by a small American company from Massachusetts, Terrafugia, Inc.

Specifications

4 cylinder, 4 stroke liquid/air cooled engine with opposed cylinders, dry sump forced lubrication with separate oil tank, automatic adjustment by hydraulic valve tappet, 2 CD carburetors, mechanical fuel pump, electronic dual ignition, electric starter, integrated reduction gear $i = 2.43$.

Maximum consumption is 9 gallons per hour.

Flying Car

Drivers can be qualified to fly light sport aircraft after just 20 hours of logged flying time.

Once you have that, all you'll need is the \$228,000 purchase price.

The Federal Aviation Administration (FAA) gave the go ahead on this flying car project.

Terrafugia is the company that is going to produce these flying cars. They are based out of Woburn, Massachusetts. The car is call the "Transition" and is about 110 lbs. heavier than other aircraft in the same class. But because of the special part of being a plane and a car, the FAA gave an exemption to the rule of lightweight aircraft having to weigh under 1,320 lbs.

The extra weight in the flying car is because of the safety equipment needed in accordance with the Federal Motor Vehicle Safety Standards.

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Terrafugia's Transition flying car and its chase plane during testing in May, 2009

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Flight for Freedom

