

BOEING 7e7-800



Hello,

Thank you for downloading the Boeing 7E7! This Gmax model has been designed for FS9 (FS2004). It has not been tested with FS2002.

The Boeing 7E7 first flight is currently planned for 2007, with the first delivery in 2008. For this reason both the visual model and flight dynamics are based on preliminary drawings/ artist impressions and the little available data from the Boeing website only. Many things can still change between now and the assembly and delivery of the first plane.

This document contains information on how to fly the aircraft and copyright and disclaimer information. The model includes all the usual things such as an opening door, dynamic shine, steering nose wheel, taxi and landing lights and all moving parts.

The model has an open repaint policy, for more information read the copyright and disclaimer section further below in this document. For easy repainting, a paint kit is available.

Enjoy the aircraft!

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Air Canadian

www.AirCanadian.com

Want to be amongst the first to fly the latest airliners? Air Canadian is a medium sized virtual airline. As a member of this airline many of my models end up in it's fleet. Most of them are, for testing purposes, even available before their public release. Some are exclusive for use by Air Canadian, like the Fairchild-Dornier 328JET. Next to a very modern fleet, Air Canadian offers frequent online (vatsim)



fly-inns and contests with really great prizes! Furthermore, there is a lot of expertise within the VA: for example the fields of real and flightsim flying, online atc and modelling of scenery and aircraft. Most importantly, flying for Air Canadian is a lot of fun! Interested? For more information and to join, go to: www.AirCanadian.com

About the 7E7

The 7E7 (nicknamed Dreamliner) is Boeing's latest model, designed to replace the aging 757 and 767. There will be three versions of this aircraft. A 'base' version, called the 7E7-800. This aircraft will be able to carry 217 passengers in a 3-class layout over a distance of 8500nm. The 7E7-900, which will carry 257 passengers in a 3-class layout over a maximum of 8300nm, and the 7E7-300, which is a medium range version of the -800 and which will carry 289 passengers in a 2-class layout over a maximum of 3500nm. This package contains the 7E7-800 'base' model.

According to the Boeing website, 'The Boeing 7E7-8 Dreamliner is a super-efficient airplane with new passenger-pleasing features. It will bring the economics of large jet transports to the middle of the market, using 20 percent less fuel than any other airplane of its size.'

Specifications

Weights:

Operating Empty:	252,000 lb
Payload, 220pax + baggage @250lb each:	55,000 lb
Maximum fuel:	163,000 lb
Maximum takeoff weight:	452,500 lb
Maximum landing weight:	unknown

FS Model has a zero fuel weight of:

252,000 lb + 55,000 lb = 307,000 lb

MTOW - ZFW:

452,500 lb - 307,000 lb = 145,500lb

Which means that without going overweight, you can only take 145,500lb or 22,040gall of fuel. With this fuel amount and aircraft weight, the aircraft will still have a range of 8500nm, plus a 45 min hold, 5% contingency fuel and fuel for a 200nm diversion to an alternate airport.



Takeoff speeds and (takeoff) runway requirements

Takeoff weight (lbs)	452,500	427,000	407,000	387,000	367,000
V _r (kts)	158	149	140	137	136
V ₂ (kts)	162	155	146	143	142
Runway length (ft)	8900	7100	5900	5200	5000

Values for takeoff at Sea level, based on FS model performance.

Climb to cruise level performance

Flight level	Distance [nm]	Time [min]	Fuel [lbs]
FL290	84	14	5876
FL310	97	17	6276
FL330	111	19	6776
FL350	126	22	7176
FL370	141	24	7576
FL390	160	27	7976
FL410	184	30	8476
FL430	217	35	9176

Values for takeoff from sea level, at MTOW, bases on FS model performance

Fuel flow and groundspeed, mach .85 cruise

Aircraft weight → Flight level	330000lbs	390000lbs	445000lbs
FL290	5830lbs/hr 503kts	5910lbs/hr 503kts	6000lbs/hr 503kts
FL320	5140lbs/hr 497kts	5235lbs/hr 497kts	5350lbs/hr 497kts
FL350	4540lbs/hr 490kts	4645lbs/hr 491kts	4750lbs/hr 491kts
FL380	4000lbs/hr 488kts	4130lbs/hr 488kts	4270lbs/hr 489kts
FL410	3565lbs/hr 488kts	3710lbs/hr 488kts	3865lbs/hr 489kts

Values based on FS model performance. Fuel flow per engine!

Limitations & dimensions:

Passengers:	217
Maximum altitude:	43,500ft / 13,900m
Maximum range:	8,500 nm / 15,500 km
Length:	182ft / 56m
Wingspan:	193ft / 59m
Height:	~42ft / 13m

Copyrights & Disclaimer

It is NOT permitted to earn money with the model included in this package in any way. Please DO NOT upload the aircraft to a pay ware site, include it on a pay ware CD or ask money for this package.

This model has an **open repaint policy**. You are allowed to repaint and release the model if you include this (unchanged!) document. The previous rule still applies; you may not earn money with the model in any way! A paint kit is available.

Although all files included in this package should be harmless, I do not take responsibility for any damage to your computer, the files on your computer or any other damage resulting from using this package.

Some of my other releases:

These add-ons are available on www.avsim.com:

Sukhoi SU80GP



The Sukhoi 80 is a new short-haul aircraft for regional airlines. The famous Russian design bureau Sukhoi, best known for their high performance fighters, designed the aircraft. The SU-80 is their first passenger aircraft. The aircraft was built by the Kamsolsk-upon-Amur aircraft production association, in the eastern part of Russia. First flight of a 24 seats model took place on September 4, 2001. After this, the aircraft was stretched by about 4 feet, to make room for 6 more seats, arriving at the 30-seat aircraft it is now. Operation can take place in any weather condition, during day and night and from unpaved runways.

Niederrhein Airport (EDLV), Germany



Niederrhein 2004 is an updated version of the Niederrhein Airport scenery. This 2nd version includes a new terminal, four hangers, a new detailed apron and new textures. The airport is located on the grounds of the old RAF Laarbruch air force base near the Dutch/German border in Germany. It's located near the German city Weeze and the Dutch cities Venlo and Nijmegen. Real operators include the Dutch low-cost airline Vbird and Ryanair. They offer destinations as Berlin, Munich, Vienna, London, Rome, Helsinki, Manchester, Rhodes and many more!