

A320 Passenger to Freighter converted aircraft: Setting new standards in the single aisle freighter market

Background, June 2010

The A320 Family is the most popular aircraft family worldwide, with currently more than 4,200 aircraft delivered and almost 2,300 still on order. As the first of these aircraft are now 20 years old, it is time to enrich this successful family with a new member – the A320/A321P2F converted freighter by Airbus Freighter Conversion GmbH. Entry into service and start of serial production will be in 2012, when many of the world's current single aisle freighters will be up to 40 years old.

The A320/A321P2F is the first converted aircraft under the Airbus flag, including comprehensive customer services and fully integrated manuals. As a completely OEM (original equipment manufacturer) certified conversion, the operator will enjoy full Airbus support throughout the aircraft's lifetime – unique in this market sector.

These modern fly-by-wire freighters are aimed at replacing ageing Boeing 727Fs and DC9Fs currently in service. Thanks to their modern design, the A320/A321P2F will offer better economics (reduced fuel-burn, lower maintenance costs, lower operating costs) than their older or direct competitors. Another advantage is their capacity, based on initial design, to carry containerized and palletized freight in the belly holds, which is a unique feature in this freighter category, and which offers more loading flexibility for operators. The A320/A321P2F will also set new standards as the most environmental friendly freighter in his class with lowest emission and chapter 4 noise compliance.

Payload varies from up to 23t for the A320P2F and up to 28t for the A321P2F, usuable volume from 5,900 ft³ (A320P2F) to 7,700 ft³ (A321P2F), with a range of up to 2,000nm and up to 2,100nm respectively. Payload, volume and range make these freighters bridge the gap between the Boeing 737 and 757, whilst the A320/A321P2F are suitable both for express and general freight.

In early 2007, the Airbus Freighter Conversion joint venture, headquartered in Dresden/Germany, has been established between EADS Elbe Flugzeugwerke, Airbus and the Russian companies UAC and Irkut. All shareholders are also exclusive subcontractors, contributing to the German and Russian converted aircraft. AFC is the interface to the customer and responsible for programme coordination, marketing and sales, customer contracts and the delivery of converted aircraft.

Paf • 500 Small All freight demand next 20 years : 800 · 50% EADS, 50% UAC/IVKut AFC
Airbus
EFW
1.1/ut/(L INKIN (UAC · Certification: FASA, FAA TC ANGUS LIGH Gervice Bullevin · Keine drive units in upper deck · Barrier wall i -> 9 q abfangen de containe -> smoke stight (to fullfill class E compatie 6 Smoke procedure: 60 min CC5" allibude œuf 20000 ft. Piloben und Couvre versongt mit Oz (Sottle) • Kein Fracher mit ACT Leergenieur steigt (barrier wall, cargo doop ...) 20 pho Zam: Win Dresden, Wat Kunt CG'ist Ken Mostern bei Beladung · Tur hister, weil Tor vorne zu schuer und CG Za weit vora · Ramp up: 5 Zahve · Universtung danset: 69 Tage (min.) für Wide Booley: Single Kisle eubl. ebwas Kövze • Fußhodigshust umzwörler ist seen aufwerdig · TC-Verberl: Dollamente so wie Gein never ACC · Uppededi: 18-25°C runk bis 50 --- 8°C for Z.B. Blumer