Airbus A320-200

Full-Flight Simulator

Product Sheet FT49

© by Lufthansa Flight Training



With our full-flight simulators we offer you a flight training that meets the latest technical standard and is tailor-made for the requirements of modern airlines. Naturally we adapt our simulators so that they reflect your fleet's systems environments and cockpit layouts as well as your airline's procedures. This enables you to orient your training to accord with your own line operations.

LOCATION

Lufthansa Flight Training Center, Frankfurt (Simulator-ID: FT49)

SIMULATOR

Simulator Manufacturer Thales, England In Service Date July 2004

Aircraft Model D-A320-211 / A320-232

Registration (Master Aircraft) D-AIQW Product No. MSN 1367

Simulator Host Computer Industrial Dual Pentium PC, 60 Hz

Motion System Hydraulic, Synergistic 6 DOF, digital, COSMOS M2K

Control Loading digital, hydraulic

AIRCRAFT SYSTEM

Engine Version

Primary Fit General Electric CFM56-5A1, 25000 lbs T/O thrust, 5AH/P27

Secondary Fit IAE V2527-A5, 27000 lbs T/O thrust, SCN16

Aerodynamic Data Revision Aerospatiale D00218300 for CFM56-5A1 engine

Aerospatiale D00503200 for V2527-A5 engine

Auto Flight System

last update: August 2013

FMGS S5C12 Topflight Thales/Smiths (CFM), R1A (Software simulation)

S5I11 Topflight Thales/Smiths (IAE), R1A (Software simulation)

FCU EM2 Std.3, Thales Avionics Sa (Orig. a/c box)
FAC CR102, Thales Avionics Sa (Software simulation)

MCDU Thales Avionics (Orig. a/c boxes)

Electronic Flight Control System

ELAC L81,Thales Avionics Sa (Airbus Gray Box)
SEC L104, Thales Avionics Sa (Airbus Gray Box)
FCDC 57 (53), LITEF GmbH (Airbus Gray Box)



Electronic Instrument Sys. EFIS/ECAM

DMC V60, Thales Avionics Sa (Orig. a/c boxes)
FWC H2-F5, Airbus France (Airbus simulation package)
TCAS II 7.0, Rockwell Collins Inc. (Software simulation)

ACARS préFANS+ (CSB2.2B), Airbus France (ATSU, Orig. a/c box)

EGPWS MK V, Honeywell International Inc. (Orig. a/c box)

GNADIRU Litton Systems Inc. (Software Simulation)

MMR hosts GPS, Thales Avionics Sa (Software simulation)

Standby Instrument System Thales Avionics Sa (ISIS, Org. a/c unit)

VISUAL

Visual System Manufacturer Rockwell Collins
Type of Image Generator EP-1000CT

Type of Display TTS Wide Mirror 200x40 deg FOV, ESCP 2000 Projectors

Illumination Levels Day/Dusk/Night/Dawn

Number of Airport Scenes more than 90

INSTRUCTOR STATION

Computer Industrial Pentium PC

Display 2x15" LCD with capacitive touch screens mounted on IOS seat (FFIOS)

Printer/Plotter Monochrome / colour Laser Printer

Number of Malfunctions 300

Automated Training Lessons available on request for Base Check, Conversion, LOFT, Refresher

Landing Training Individual definition of a generic airfield (RWY Characteristics: Length, Width,

parallel RWY; RWY Lights: VLA, Appr. Lights)

Multiple Weather Simulation Provides setting of individual weather conditions at different airports either by

selection of a predefined weather scenario or by manual presetting

Unusual Attitude Recovery Training available

Predictive Windshear Scenarios various FAA windshear profiles available

Non-Predictive Windshear Scenarios various windshear profiles for T/O and Landing available

TCAS various scenarios with individual definition of intruder trajectory available

availabl

Datalink (AOC/FANS) various AOC scenarios available

customized AOC applications on request

FMS Flight Plan Copy / Load copy of entered flight plans and manual load of predefined flight plans on

request, automatic reload of entered flight plan after reposition to the same

T/O position

Debrief Station/Video/Recording Video and Audio Recording, basic Display and 3D- animation

Display Options metric and/or imperial

QUALIFICATIONS

German LBA JAA Level D, annually, according to JAR-STD 1A

JAA STD ID Code DE-1A-046

Simulator Fleet

At our locations in Frankfurt/Main, Berlin, Bremen, Munich, Essen, Vienna and Zurich about 40 full flight simulators reproducing more than 20 aircraft types are at your disposal for cockpit crew training.

Klick here to find our full-flight simulator fleet: <u>Airbus</u>, <u>Boeing</u>, <u>Bombardier</u>, <u>Embraer</u>.

Klick here to find our other training devices.

Cockpit Training. Developed from Airline Experience.



www.lufthansa-flight-training.com