



Airbus A320-200 (FT43)

Full-Flight Simulator

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 Aviation Training, Berlin-Schoenefeld (Simulator-ID: FT43)

Simulator

Simulator Manufacturer	CAE, Canada
In Service Date	August 2002
Aircraft Model	A320-212 / A320-232
Registration (Master Aircraft)	D-AICI
Product No.	L322
Simulator Host Computer	IBM Netfinity M20
Motion System	Series 600, 6 DOF, digital
Control Loading	digital, hydraulic

Aircraft System

Engine Version	General Electric CFM56-5A3, 26500 lbs T/O thrust IAE V2527-A5, 27000 lbs T/O thrust
Primary Fit	
Secondary Fit	
Aerodynamic Data Revision	D00500302 and D00503300 Aerodynamic Specification for FFS
Auto Flight System	Thales FMS2 rehosted Sextant Std M11 CR102 (Software simulation) Thales (Orig. a/c boxes)
FMGS	
FCU	
FAC	
MCDU	

Electronic Flight Control System

ELAC	sEFCS rhoted / L91
SEC	sEFCS rhoted / L112
FCDC	sEFCS rhoted / 56
DMC	Orig. a/c box installed, EIS1 V60
FWC	Orig. a/c box installed, H2-F7
TCAS II	CAE Software Simulation, 7.1
ACARS	Orig. a/c box installed, ATSU
EGPWS	Orig. a/c box installed
ADIRS	CAE Software Simulation
MMR (hosts GPS)	CAE Software Simulation

Visual

Visual System Manufacturer	Evans & Sutherland
Type of Image Generator	EP-1000 CT
Type of Display	ESP200 180x40 deg FOV mirror
Illumination Levels	Day/Dusk/Night
Number of Airport Scenes	more than 70 on request available

Instructor Station

Displays	2x15" LCD touch screens mounted on IOS seat (FFIOS)
Printer/Plotter	Monochrome Laser Printer
Number of Malfunctions	334
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 all different airports available
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
ATIS	available
ACARS Scenarios	various datalink applications customized datalink applications available on request
FMS Flight Plan Copy / Load	copy of entered flight plans and manual load of predefined flight plans
Debrief Station/Video/Recording	Color camera and SVHS Video Recorder
Display Options	metric and/or imperial

Options

10 different Customer Options available.
Up to 20 different FMS NAV databases loadable and selectable for different Customers.

Qualifications

German LBA	JAA Level D, annually, according to JAR-STD 1A
EASA-ID	DE-1A-040

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.

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