



Airbus A320-200 (FT71)

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, Frankfurt (Simulator-ID: FT71)

Simulator

Simulator Manufacturer	CAE, Canada
In Service Date	December 2014
Aircraft Model	A320-214, A320-232
Registration (Master Aircraft)	n/a (Airbus Standard 1.9.)
Product No.	n/a
Simulator Host Computer	Distributed Simulation Nodes, Intel x64 architecture
Motion System	electro-mechanical motion system (EMM), 60 inch
Control Loading	digital

Aircraft System

Engine Version	
Primary Fit	General Electric CFM56-5B4, 27000 lbs T/O thrust, 5BS4F3
Secondary Fit	IAE V2527-A5, 27000 lbs T/O thrust, SCN21/AA

Aerodynamic Data Revision

RQTG D00226700 for CFM56-5B4 engine
 RQTG D00226800 for V2527-A5 engine

Auto Flight System

FMGC	Thales Release 1A (AP/FD TCAS option available) Level/Std.: CFM: Std S7PC13 / IAE: Std S7P112
FCU	Std.4 with expedite function Level/Std.: Std 4
FAC	FAC C, ROPS function available (CAE Software Simulation)
MCDU	Thales Avionics (Simulated Hardware)

Electronic Flight Control System

ELAC	ELAC B Data Loading STD L97 (sEFCS)
SEC	SEC C Data Loading STD 124 (sEFCS)
FCDC	STD 59 (sEFCS)

Electronic Instrument System

DMC	EIS2 / S11
FWC	H2-F7
TCAS II	Honeywell TPA100B (CAE Software Simulation)
ACARS	préFANS+(CSB2.2B), Airbus France (ATSU, CAE Software Simulation)
EGPWC	Honeywell MK V (CAE Software Simulation)

Visual

Visual System Manufacturer	CAE Electronics
Type of Image Generator	Tropos 6000XR Series
Type of Display	CAE Wide Mirror 200x40 deg FOV, 3 ch LCoS Sony HD Projectors
Illumination Levels	Day/Dusk/Dawn/Night
Number of Airport Scenes	20, more than 200 available on request

Instructor Station

Printer/Plotter	Color Laser Printer
Number of Malfunctions	>200
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	Airport/En Route Environment for 10 Airports
Upset Prevention and Recovery Training (UPRT)	Scenario and Manoeuvre based Training, Visualisation aids
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 (Voice ATIS and D-ATIS)
FMS Flight Plan Copy / Load	copy of entered flight plans and manual load of predefined flight plans on request
Debrief Station/Video/Recording	CAE Debrief Station
Display Options	metric and/or imperial

Options

Electronic Flight Bag	Provision of Customer Options on request Airbus EFB Class II option available
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Qualifications

German LBA	EASA CS-FSTD (A), Level D
EASA-ID	DE-1A-096

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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Last Update: 06.01.2017 / © Lufthansa Aviation Training / 1/6/2017

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