



Airbus A320-200 (FT22)

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, Vienna (Simulator-ID: FT22)

Simulator

Simulator Manufacturer	CAE, Canada
In Service Date	October 2006, after relocation (04 March 1991 initially)
Aircraft Model	A320-211
Registration (Master Aircraft)	D-AIPA
Product No.	MSN 069
Simulator Host Computer	IBM RISC System/6000 Model F40
Motion System	Series 500, 6 DOF, digital
Control Loading	digital

Aircraft System

Engine Version	General Electric CFM56-5A1 25000 lbs T/O thrust, 5AH/P28
Aerodynamic Data Revision	Aerospatiale D00204703
Auto Flight System	
FMGS	S7AC13, Thales Avionics/Smiths(Full GPS, Orig. a/c boxes)
FCU	M11, Thales Avionics Sa (Orig. a/c box)
FAC	CR102, Thales Avionics Sa (Software simulation)
MCDU	M4, Thales Avionics Sa (Orig. a/c box)
Electronic Flight Control System	
ELAC	L93, Thales Avionics Sa (Orig. a/c boxes)

SEC L112, Thales Avionics Sa (Orig. a/c boxes)
FCDC L53, LITEF GmbH (Software simulation)

Electronic Instrument System

DMC V60, DIEHL AEROSPACE GmbH (Orig. a/c boxes)
FWC (H2F7), Airbus France (Orig. a/c boxes)
TCAS II 7.1, Honeywell (Software simulation)
ACARS AMU MK I, Honeywell International Inc. (Orig. a/c box)
EGPWS MK V, Honeywell International Inc. (Orig. a/c box)

Visual

Visual System Manufacturer Evans & Sutherland
Type of Image Generator EP-1000CT
Type of Display Suprawide 150x40 deg FOV mirror,
ESCP 2000 Projectors
Illumination Levels Day/Dusk/Night
Number of Airport Scenes more than 90

Instructor Station

Display 2 LCDs with capacitive touch screen
Printer/Plotter Monochrome 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
Unusual Attitude Recovery Training available
Windshear / Microburst Scenarios various windshear profiles for T/O and Landing available
TCAS various scenarios with individual definition of intruder trajectory available
ATIS available
Datalink (AOC) 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
Debrief Station Videorecorder Sony color-system
Display Options metric and/or imperial

Options

Provision of Customer Options on request

Qualifications

German LBA JAA Level DG, annually, according to JAR-STD 1A
EASA-ID AT-1A-1040

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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