



Airbus A320-200 (FT15)

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, Munich (Simulator-ID: FT15)

Simulator

Simulator Manufacturer	CAE; Canada
In Service Date	May 2009, after relocation (01 December 1989 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	Thales Avionics/Smiths(Orig. a/c box)

Electronic Flight Control System

ELAC L93, Thales Avionics Sa (Orig. a/c boxes)

SEC L123, 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 Mod 11, Honeywell International Inc. (Orig. a/c box)

Visual

Visual System Manufacturer Rockwell Collins
Type of Image Generator EP-1000CT
Type of Display Suprawide 150x40 deg FOV mirror, eyevis ESP-LHD 1000 LED
Illumination Levels Day/Dusk/Night
Number of Airport Scenes more than 90

Instructor Station

Display 2 CRTs 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 DE-1A-002

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