



Airbus A320-200 (FT53)

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: FT53)

Simulator

Simulator Manufacturer	CAE, Canada
In Service Date	June 2007
Aircraft Model	A320-214 / -232
Registration (Master Aircraft)	n/a (Airbus Standard 1.4.0)
Product No.	2RYA
Simulator Host Computer	IBM PC X226 (Red Hat Enterprise Linux)
Motion System	electro-mechanical motion system (EMM), 60 inch
Control Loading	digital

Aircraft System

Engine Version	General Electric CFM56-5B4, 27000 lbs T/O thrust
Primary Fit	IAE V2527-A5, 27000 lbs T/O thrust
Secondary Fit	Aerospatiale D00218201 Aerodynamic Specification for Flight Training Simulator,
Aerodynamic Data Revision	Aerospatiale D00619300 Inertia & Moments for Flight Simulator Standard 1-4-0 CFM Engines,
	Aerospatiale D00619400 Inertia Moments for Simulator Standard 1-4-0 IAE Engines,
	Aerospatiale D00218201B, D00218201D Aerodynamic coefficients in case of Ice Accretion/Thrust Reverser and Aileron Droop

Auto Flight System

FMGS	H2BPC13 (CFM), Honeywell (rehosted software simulation) H2BI12 (IAE), Honeywell (rehosted software simulation)
FCU	EM2 Std.2, Thales Avionics Sa (Orig. a/c box)
FAC	CR121, Thales Avionics Sa (Software simulation)
MCDU	Honeywell Air Transport – Phoenix Air Transport DIV (orig. a/c boxes)
Electronic Flight Control System	
ELAC	L91, Thales Avionics Sa (sEFCS)
SEC	L112, Thales Avionics Sa (sEFCS)
FCDC	L56, LITEF GmbH (sEFCS)
Electr. Instrument Sys. EFIS/ECAM	
DMC	EIS2 / S 4-2, Thales Avionics Sa
FWC	H2-F7, Airbus France (Software simulation)
TCAS II	7.1, Honeywell (software simulation)
ACARS	préFANS+(CSB2.2B), Airbus France (ATSU, orig. a/c box)
ADIRU	Honeywell (software simulation)
MMR	Thales Avionics Sa. (Aerospatiale)
EGPWS	Sundstrand - Honeywell (Orig. a/c boxes)

Visual

Visual System Manufacturer	Rockwell Collins, England
Type of Image Generator	EP-1000CT
Type of Display	CAE Wide Mirror 200x40 deg FOV, ESCP 2000 Projectors
Illumination Levels	Day/Dusk/Night/Dawn
Number of Airport Scenes	more than 90

Instructor Station

Display	2x15.4" X-terminal-driven colour LCD touch screens (FFIOS)
Printer/Plotter	Monochrome Laser Printer
Number of Malfunctions	247
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	n/a
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
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	n/a
Display Options	metric and/ or imperial

Options

Provision of Customer Options on request

Qualifications

German LBA	JAA Level D, annually, according to JAR-STD 1A
EASA-ID	AT-1A-1041

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. Click here to find our full-flight simulator fleet: [Airbus](#), [Boeing](#), [Bombardier](#), [Embraer](#). Click here to find our [other training devices](#).

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