

Airbus A320-200

Full-Flight Simulator

Product Sheet FT65

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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 Flight Training Center, Munich (Simulator-ID: FT65)

SIMULATOR

Simulator Manufacturer	Thales, England
In Service Date	March 2011
Aircraft Model	A320-214 / A320-232
Registration (Master Aircraft)	n/a (Airbus Std. 1.7.0)
Product No.	n/a
Simulator Host Computer	Industrial Dual Pentium PC, (Thales - C2000X+, RACE 4+ Power PC boards (RISC)
Motion System	Thales - Hydraulic, Synergistic 6 DOF, digital, COSMOS eM2K
Control Loading	digital, hydraulic

AIRCRAFT SYSTEM

Engine Version

Primary fit	General Electric CFM56-5B4, 27000 lbs T/O thrust, 5BQ
Secondary fit	IAE V2527-A5, 27000 lbs T/O thrust, SCN19

Aerodynamic Data Revision	RQTG D00224300 for CFM56-5B4 engine RQTG D00222003 for V2527-A5 engine
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Auto Flight System

FMGS	S5C12 Topflight Thales/Smiths (CFM), R1A (Software simulation) S5I11 Topflight Thales/Smiths (IAE), R1A (Software simulation)
FCU	EM2 Std.3, Thales Avionics Sa (Orig. a/c box)
FAC	CR121, Thales Avionics Sa (Software simulation)
MCDU	Thales Avionics (Orig. a/c boxes)

last update: August 2013

Electronic Flight Control System

ELAC	L93, Thales Avionics Sa (sEFCS)
SEC	112, Airbus France (sEFCS)
FCDC	57, Airbus France (sEFCS)

Electr. Instrument Sys. EFIS/ECAM

DMC	EIS2 / S8, Thales Avionics
FWC	H2-F5, Airbus France (Airbus simulation package)
TCAS II	7.0, Allied Signal (Software simulation)
ACARS	préFANS+(CSB2.2B), Airbus France (ATSU, Orig. a/c box)
EGPWS	Sundstrand - Honeywell (Orig. a/c boxes)

VISUAL

Visual System Manufacturer	Rockwell Collins
Type of Image Generator	EP-1000CT
Type of Display	TTS Wide Mirror 200x40 deg FOV, LCoS Projector JVC VS2000
Illumination Levels	Day/Dusk/Night/Dawn
Number of Airport Scenes	more than 90

INSTRUCTOR STATION

Computer	Industrial Pentium PC
Display	2x15" LCD with capacitive touch screens mounted on IOS seat (FFIOS)
Printer/Plotter	Monochrome / colour 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 (either predefined or by manual presetting)
Unusual Attitude Recovery Training	available
Windshear / Microburst Scenarios	
Predicted 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/FANS)	various AOC scenarios available, customization on request
FMS Flight Plan Copy / Load	copy of entered flight plans and manual load of predefined flight plans on request, automatic reload of entered flight plan after reposition to the same T/O position
Debrief Station	Video & Audio Recording, Basic Display, 3D- animation
Display Options	metric and/or imperial

QUALIFICATIONS

German LBA	JAA Level D, annually, according to JAR-FSTD A
JAA STD ID Code	DE-1A-085

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