



Full-Flight Simulator

AIRBUS A320-200 (FT53)

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	
Primary Fit	General Electric CFM56-5B4, 27000 lbs T/O thrust
Secondary Fit	IAE V2527-A5, 27000 lbs T/O thrust
Aerodynamic Data Revision	Aerospatiale D00218201 Aerodynamic Specification for Flight Training Simulator, 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 co efficients 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