Full-Flight Simulator

AIRBUS HELICOPTERS H135 (FT82)

Location Lufthansa Aviation Training, Frankfurt (Simulator-ID: FT82)

SIMULATOR	
Simulator Manufacturer	Reiser Simulation and Training
In Service Date	May 2021
Aircraft Model	EC135 T3H
Motion System	Electro-mechanical motion system (Moog EMM 2nd Gen 6 DOF), 62.5 inch
Vibration Platform	Electro-mechanical vibration system (Moog 3 DOF)
Control Loading	Digital, electric

AIRCRAFT SYSTEM	
Engine Version	Safran Turbomeca ARRIUS 2B2 with FADEC Control
Avionics	Helionix® Step 2 or Maintenance Release 1 (Step 3) Avionics Suite – Flight Display Subsystem – Dual/Single Pilot IFR Capable
AFCS	Four-Axis Automatic Flight Control System
EFIS	Three-Panel Flight Display Subsystem (FDS) – Pilot & Copilot Flight Navigation Displays & Vehicle Monitoring Display
STBY	Integrated Electronic Standby Instrument (IESI) & Standby Compass

FMS	Dual Garmin GTN™ 750 Touchscreen SBAS GPS/NAV/COMM/MFD's with WAAS/LPV Interface with Flight Display Subsystem
AUDIO	Dual Becker ACU6100 Audio Control Units
COMM	Dual Garmin GTN™ 750 16 Watt Integrated VHF COMM Transceivers
COMM (PPDR)	CARLS HBE767M TETRA- and Analogue BOS (PPDR) Radio System
COMM (PPDR)	Technisonic TFM-138 Series Airborne VHF/FM Transceiver
GPS	Dual Garmin GTN™ 750 Integrated SBAS/WAAS GPS Receivers
NAV	Dual Garmin GTN™ 750 Integrated NAV Receivers
MM/SA/MMS	EuroNav 7 Moving Map, Situational Awareness and Mission Management System
XM/WX	Garmin integrated RDR 2000 Weather radar
HTAWS	Helicopter Terrain Awareness and Warning System
TAS	Avidyne TAS620 Traffic Advisory System
Additional Equipment	Air Conditioning System (ACS); Fuel Management System (FF Meters); Inlet Barrier Filter System; NVG Compatible Standard Cockpit; Single/dual external cargo hook; Trakkabeam® Searchlight;

VISUAL	
Visual System Manufacturer	Quantum 3D
Type of Image Generator	IDX 8000
Type of Display	10ft Dome, 240° x 80° FOV, 8 channel Norxe LED / IR Projection
Eye Point	Switchable: Pilot (right), Copilot (left) and center
Illumination Levels	Day/Dusk/Dawn/Night/Stimulated NVG - Full, half, quarter and no moon
Landing Sites	Eight geo-specific (including elevated FATO, helidecks and confined areas)
Main Training Areas	Three geo-typical terrain (for cross-country, offshore and mountain areas)

THIRD CREW MEMBER STATION	
Location	Right, aft cabin
Hardware	Seat and side wall/door
Type of Display	Mixed Reality goggles
Simulation of	Fixed rope, Helicopter Hoist Operation (coming soon)

INSTRUCTOR STATION	
Display	Two LCD touch screens mounted on IOS, one remote tablet IOS
Printer/Plotter	Laser Printer
Landing Terrain	Individual definition of generic airfields or isolated ICAO helipads. (Runway characterisics: Dimension / orientation / threshold; generic markings; windsock; tower; runway generic standard lighting; ICAO helipad windsock, H marking, no lighting)
Multiple Weather Simulation	Available
ACAS	Various scenarios with individual definition of intruder trajectory available
ATIS	available
HTAWS	available
Debrief Station/Video/Recording	available
Display Options	Metric and/or imperial

QUALIFICATIONS	
German LBA / Others:	EASA CS-FSTD (H), Level D / in preparation /on request
EASA-ID	DE-1H-012