

**2007 Airbus
EC135T2+ (T2e)
#0581 | F-HFOM**



CONTACT

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VIRTUAL TOUR

2007 Airbus EC135T2+ (T2e)

#0581 | F-HFOM



Standard aircraft definition - 135.06.101.01 E

TOTAL HOURS

1,979.58 hours since new

ENGINES

TURBOMOTEUR ARRIUS 2B2

| # | S/N | Total Time | N1 Cy | PT Cy |
|---|-------|------------|-------|--------|
| 1 | 32254 | 5,856 | 4,204 | 11,195 |
| 2 | 32358 | 1,979 | 1,024 | 2,668 |

HIGHLIGHTS

SP/DP IFR

Wx Radar

Aircon

Dual Controls

Emergency Floats - Fixed Parts

2950 kg increased grossed weight (T2e)

GENERAL

Energy absorbing fuselage

Tail boom with fixed horizontal stabilizer and two end plates

Vertical fin with faired-in fenestron

Upper deck with fittings for main gearbox, engines, hydraulic and cooling system

Cowlings for main transmission and engines

Skid-type landing gear with skid protectors, capable of taking ground-handling wheels

Long boarding steps, LH and RH

Maintenance built-in steps and grips

Exterior painting (single color)

COCKPIT, CABIN AND CARGO COMPARTMENT

One-level cabin and cargo compartment floor with integrated rails

Glazed canopy

Two hinged cockpit doors with sliding window

Map case in pilot's door

Two wide passenger sliding doors

Two rear hinged clam-shell doors

Longitudinally adjustable energy absorbing pilot and copilot seats with head rest and 4-point safety belts with automatic locking system

Cabin boarding grips (LH and RH)

Interior paneling with integrated basic sound insulation

Flight controls (pilot side)

Engine controls with manual engine back-up system at pilot's collective pitch lever

Instrument panel with extension on pilot's side and glare shield

Ram-air and electrical ventilating system for cockpit and cabin

Headset holder in the cockpit

Headset holder in the cabin

Portable fire extinguisher

Stowage net for first aid kit at the LH rear clam-shell door

Flash light (torch)

4 Mobile tie-down rings

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BASIC INSTRUMENTATION

Central Panel Display System (CPDS), consisting of:

- Caution Advisory Display (CAD) with indication of:
 - Caution and advisory information
 - Fuel quantity indication
- Vehicle and Engine Management Display (VEMD) with indication of:
 - Torque
 - Engine parameters (N1-RPM (for P&W) or 6N1-RPM (for TM), oil pressure, oil temperature, Turbine Outlet Temperature (TOT), engine/FADEC rep EEC failure and parameter code messages, self diagnoses)
 - FLI (First Limit Indicator) for TQ, TOT, N1 (for P&W) or ΔN1 (for TM) as analogue display
 - Main transmission parameters (oil pressure, oil temp.)
 - Dual ammeter (generator)
 - Ammeter (battery)
 - Dual voltmeter
 - Outside Air Temperature (OAT)
 - Parameters of optional equipment {e.g. internal long range fuel tank}
 - Engine cycle counter (on flight report page)
 - Clock (2")
 - Magnetic compass

- Triple (rotor and engines) RPM-indicator (2")
- Standard instruments: (single pilot) 1)
 - Encoding altimeter (3")
 - Airspeed indicator (3")
 - Vertical speed indicator (3")
- Warning unit:
 - Engine fire warning with fuel emergency shut-off
 - Warning lights
 - Aural warning
- Main switch panel:
 - DC power control
 - Digital engine control (FADEC)
- Pilot/ static system with electrical heated pilot tube, pilot side
- Static pressure crossover system
- Air Data Computer

1) If glass cockpit instrumentation is chosen as optional equipment, these standard instruments are deleted and an altimeter (2"J and an airspeed indicator (2"; as back-up instruments are added.

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POWER PLANT

Two PRATT & WHITNEY PW20682 turbine engines or Two TURBOMECA ARRIUS 282 turbine engines

These 2 engines are equipped with:
fire detectors

electronic engine control (FADEC-BOX)
chip detectors with quick-disconnect plugs
overspeed protection system
twin-engine OEI-training mode

Oil cooling and lubricating system with thermostatic valve

Crash resistant fuel system with a flexible bladder-type fuel main tank and supply tank (split into two sections)

Automatically controlled variable rotor speed system

Fuel tank filler flap, lockable

TRANSMISSION SYSTEM

Flat-shaped main gearbox with two stages

Chip detector system with quick-disconnect plug (main gearbox)

Redundant oil cooling and lubrication system

Main gearbox attachment with Anti-Resonance Isolation System (ARIS)

Free wheel assemblies in the engine input drives

Tail rotor drive shaft

Tail rotor gearbox with splash lubrication and oil level sight gauge

Chip detector system with quick-disconnect plug (tail rotor gearbox)

ROTOR AND FLIGHT CONTROLS

Bearingless Main Rotor system (BMR), consisting of:

Rotor head/mast in one piece

Four fiber-reinforced composite main rotor blades with anti-erosion strips, control cuff, elastomeric lead-lag dampers and special blade tip painting

Main rotor control system with dual hydraulic boost system

Electrical trim system (cyclic)

Basic provisions for an easy integration of a track and balance system

Fenestron-type tail rotor with ten metal blades (asymmetric blade spacing) and stator

Tail rotor gearbox cover

Tail rotor control system with flexball cable and single hydraulic booster

Yaw-SAS (Stability Augmentation System)

Mast moment system

ELECTRICAL INSTALLATION

Power generation system:

Two starter/generators (2 x 160 A, 28 VDC)

Nickel-Cadmium battery, (24 V, 17 Ah)

External power connector (STANAG 3302)

Power distribution system:

- Two primary busbars
- Two shedding busbars
- Two essential busbars
- Two high load busbars (80 A) - for optional equipment only
- Two high power busbars (200 A)

Battery bus

One utility receptacle in LH side of cargo compartment (28VDC, 10A)

Lighting:

- Anti-collision warning light (red flashing)
- Fixed, nose-mounted landing light (250 W)
- Three position lights (red, green, white)
- Adjustable instrument lighting
- One utility light in the cockpit 5 spot-lights in the cabin
- One light in cargo compartment RH side

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GROUND HANDLING KIT 1

Two ground-handling wheels
Basic aircraft covers (short time)
Main rotor blade tie-down lash bags
Oil drain hoses
Fuel tank drain device
Keys for cockpit doors, cabin doors, baggage compartment doors and tank flap (one-key system)
Battery key
Lifting points

DOCUMENTATION

STANDARD DOCUMENTATION:

Flight Manual 2)
Pilots-Checklist 2)
Logbook
Historical Record
CD-ROM including AMM, SOS, MSM, WDM, IPC 1) 2)
Master Servicing Manual (MSM) 1) 2)
Service Bulletin Catalogue (SB) 1) 2)
List of Applicable Publications (LOAP) 1) 2)
Avionics Manual (for avionics installed by Eurocopter) 1) 3)
Engine Documentation 1) 2) including:
• Maintenance Manual
• Illustrated Parts Catalogue (IPC)
• Service Bulletins

OPTIONAL DOCUMENTATION (hard copy format):

Aircraft Maintenance Manual (AMM) 1) 2) 3)
System Description Section (SOS) 1) 2) 3)
Wiring Diagram Manual (WDM) 1) 2) 3)
Illustrated Parts Catalogue (IPC) 1) 2)

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Optional Equipment - Mandatory Items

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GENERAL EQUIPMENT

First aid kit for DGAC Certification
Engine fire extinguishing system
Slant panel
Center console
Avionics compartment
Copilot flight controls
7" copilot instrument panel with glare shield
Map case in copilot door
Map cases on instrument panel glare shield
Illuminated chart holder for pilot side (Madelec Aero)
Bleed air heating system
Battery, type 'Saft', ULM, 40 Ah, 24 V instead of standard battery
AC system (50 VA)
Starter/generator (2 x 200 A, 28 V DC) instead of standard generator

MISSION EQUIPMENT

Reinforced rear landing gear cross tube (standard landing gear only)
Landing & search light, 450 W
ELT C406-NHM (Artex) incl. NAV. opt. - 121.5MHz, 243MHz and 406MHz

AVIONICS (SOLUTION)

Avionics Solution 11
Audio/Comm. control system AS 3100-12 (Becker), copilot - LOW IMPEDANCE
Audio/Comm. control system AS 3100-12 (Becker), pilot - incl. Intercom Select Panel (ICS Mode Selector), LOW IMPEDANCE
Intercom amplifier IC 3100-4 (Becker) - LOW IMPEDANCE
Transponder (Mode S) GTX330 (Garmin)
DME DMS-44A (Chelton/Wulfsberg)
Marker beacon receiver/lights KR 21 (Honeywell)
Avionics/Radio master switches
GPS/NAV/COM GNS 430 (Garmin), copilot, interfaced with FCDS
GPS/NAV/COM GNS 430 (Garmin), pilot, interfaced with FCDS
2' stand-by horizon AI 804 DC (Goodrich), incl. emergency battery
MEGHAS -Flight Control Display System (FCDS) - Dual (2xSMD45/1xSMD68)
Avionics Solution 11 interconnection/ wiring
Radar altimeter KRA 405 8 (Honeywell)
MEGHAS Sensor Kit
Copilot pilot static system (electrically heated)
Digital Automatic Flight Control System - DAFCS
ADF System DFS-43A (CHELTON WULFSBERG)
ADF Control Unit CD-432B (CHELTON WULFSBERG)

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Optional Equipment - Optional Items

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GENERAL EQUIPMENT

Multicolor external painting instead of single color painting
 Multifunction handle on the main gear box cowling (LH and RH)
 Automatic inflight power check
 Engine compressor washing device
 Tinted sun shades for cockpit windshield roof section
 Tinted window for cockpit doors
 Tinted windows for passenger cabin, incl. sliding windows for sliding doors
 Lockable sliding window in copilots' door
 Lockable sliding window in pilots' door
 Windshield wiper system
 Ventilation system for avionics compartment
 Air conditioning system for tropical environment
 Special ducting system and additional air outlets for the front VIP - passenger-seats
 Rotor brake system (aluminum handle)
 Internal long range fuel tank system, fixed provisions
 Fuel management system (Fuel flow meters)
 Accelerometers (for track and balancing system)
 Towing provisions in landing skid tubes

MISSION EQUIPMENT

Settling protectors, fixed provisions
 Strobe lights, white
 Emergency floats, fixed provisions (standard landing gear only)
 Emergency hammer
 Boarding step illumination
 Illuminated signs "NO SMOKING/FASTEN SEAT BELT"

INTERIOR LAYOUT

Enhanced sound proofing kit
 Washable floor covering for cargo compartment
 Jettisonable cockpit doors
 Extended opening fasteners for clam-shell doors
 Covers for sliding door fairing LH/RH
 Special painted interior
 Armrests in rear window niche, LH/RH
 VIP carpet for cockpit
 VIP carpet for cabin
 Retractable coat hooks (2ea) in rear cabin

AVIONICS

Warning tone generator AA 37 (NAT) - including tone generation for cabin call
 Fixed provisions for ANR (Active Noise Reduction)
 Radar radome for RDR2000
 Color weather radar RDR2000 (Honeywell), FCDS/MEGHAS version - export authorization required (ITAR)
 Traffic Advisory System TAS 9900BX (Ryan)
 TAS 9900BX interface with GNS430
 TAS 9900 BX interface with EURONAV IV
 Moving map EURONAV IV - RN6CM (EuroAvionics), interfaced with FCDS - maps and special options not included
 Video Radar Unit (VRU) for weather radar, FLIR or DMAP indication on SMD45/SMD68

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Optional Equipment - Detachable parts

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GENERAL EQUIPMENT

Covers for copilot flight controls

MISSION EQUIPMENT

Settling protectors, detachable parts

Internal long range fuel tank system, detachable earls

Standard(separate) boarding steps - loose equipment

AVIONICS

Adapter cable for ANR headset

Bose ANR Headset

INTERIOR LAYOUT

Variable tie-down web for luggage securing
VIP pilot seat, instead of standard pilot seat - VIP with fabric and leather

VIP copilot seat, instead of standard copilot seat

4 VIP passenger seats (2 front and 2 rear) - VIP with fabric and leather

Plastic protection cover for cockpit carpet

Fabric protection cover for one VIP pax seat

Plastic protection cover for cabin carpet

Rear cabinet with Armrest

Front cabinet flat

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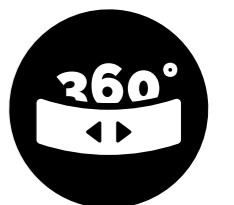
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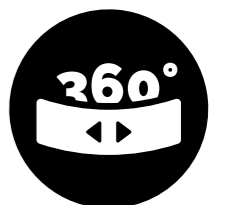
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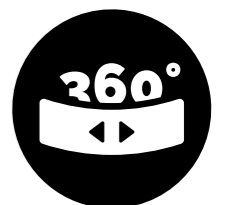
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