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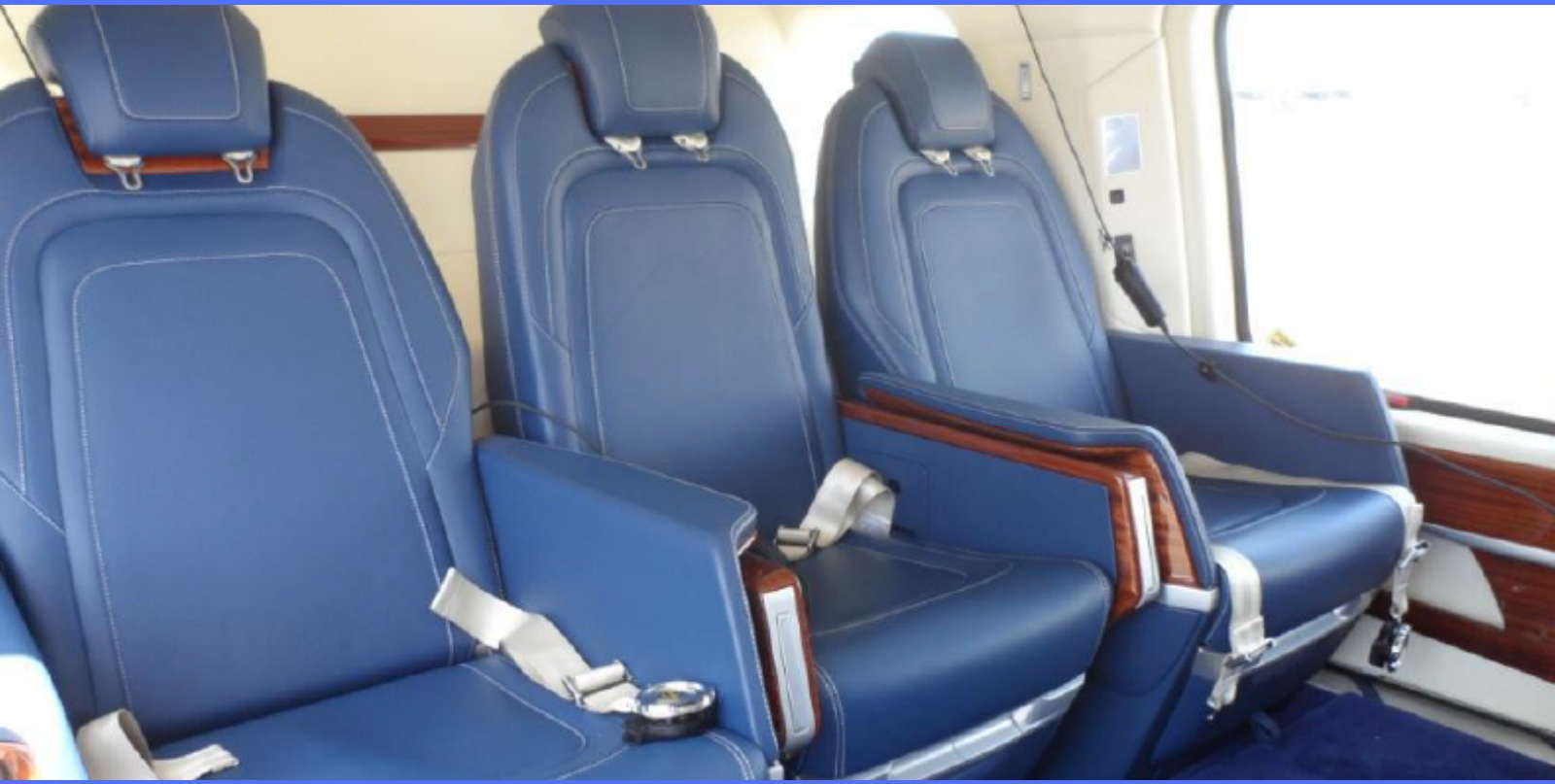

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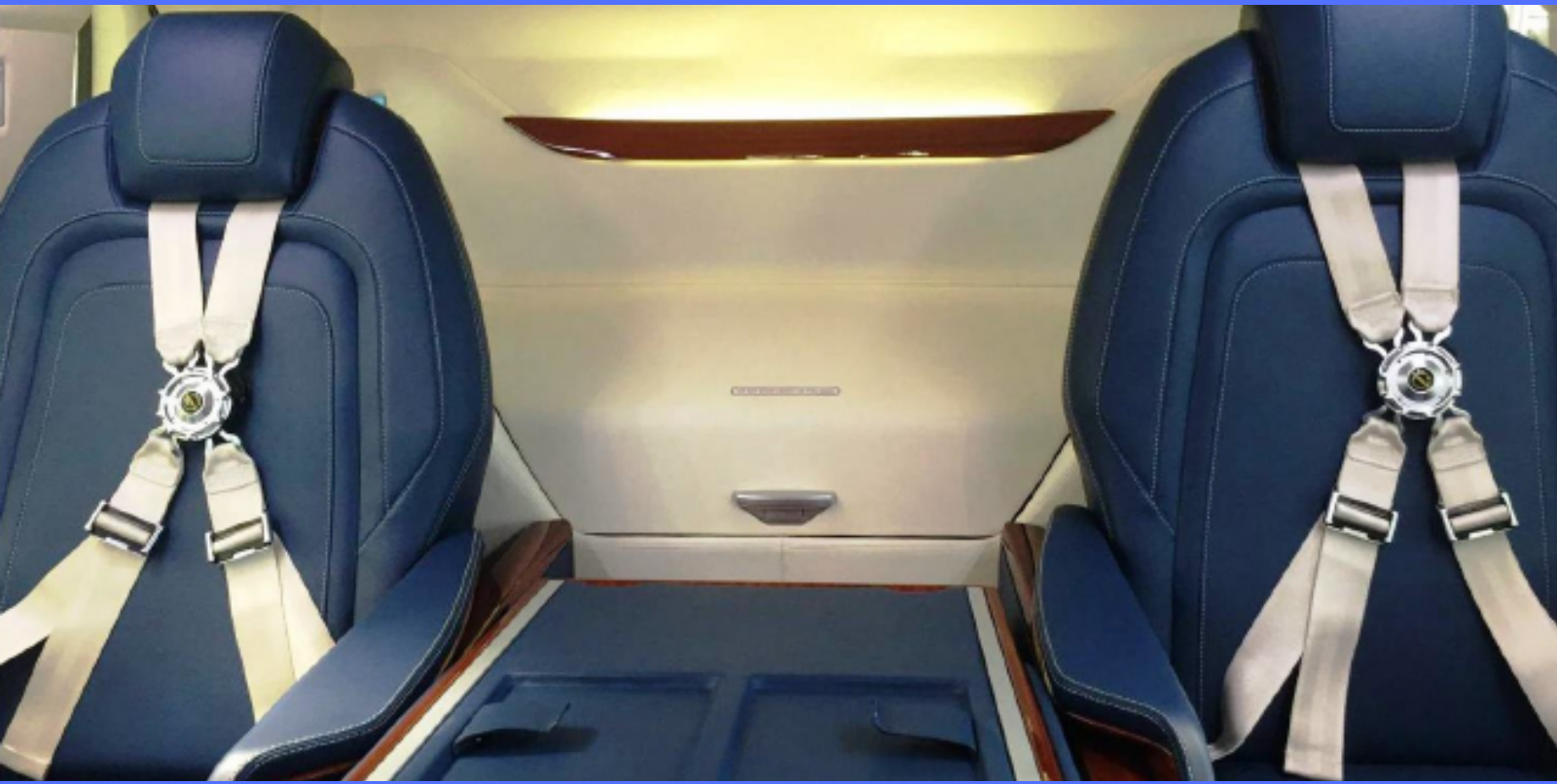

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Aircraft Total Time: 600
Configuration: Full VVIP configuration with cocoon type pax cabin, 6+bar or 7 pax + 2 crew and Wireless entertainment system with 7 dedicated iPad

Airframe
- Airframe structure including nose radome, cockpit, main cabin with flat floor and baggage compartment, tail boom, vertical fin, horizontal stabilizers, fuel tank housing
- Attachments for main gearbox and engines
- Upper deck cowlings
- Landing gear attachments
- Heated Pitot tubes (2)
- Heated static intakes (2)
- Forced fan ventilation
- Bleed air heater and defroster with air noise suppression

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- Cockpit air adjustable outlets
- Cockpit instrument panel, overhead panel and interseat console
- Cockpit Windshields
- Pilot and co-pilot windshield wipers
- Overhead cockpit windows
- Lower cockpit windows
- Pilot doors with emergency exit windows and “storm window” on pilot side
- Lower pilot/co-pilot doors windows
- Plug in sliding doors (2) for passengers cabin access with four emergency exit windows
- Baggage compartment (one door-access from left hand side)
- Baggage compartment cargo tie–down fittings
- Lockable baggage compartment doors

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Landing Gear

- Wheeled fixed tricycle landing gear with two wheels on nose gear, one wheel with brakes on main landing gears and mooring rings

Rotors and Controls

- Main Rotor System with composite blades
- Tail Rotor System with composite blades
- Rotating M/R and T/R flight controls
- Pilot fixed flight controls (cyclic, collective, anti–torque pedals)
- Copilot fixed flight controls (cyclic, collective, anti–torque pedals)
- Force trim system
- Four parallel actuators (4-axis autopilot)

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Power Plant and Fuel System

- Two Pratt & Whitney Canada 210A turboshaft engines
- APU mode on left hand side engine
- Two anti icing fuel systems and two magnetic chip detectors (one per engine)
- Two independent dual-channel FADEC systems (one per engine)
- Engines Control Panel
- Engine bay group (engine mounts, firewalls, cowlings, drains, exhausts)
- Fire detection system
- Fire extinguisher system
- Fire Detection and Extinguisher Control Panel (1)
- Crashworthy fuel cells (1140 litres of usable fuel)
- Filler port for gravity refuelling (on left hand side)
- Fuel quantity gauging system

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Transmission / Drive System

- Main transmission gearbox with two direct drive engine inputs, lubrication system with oil ducts integrated in the casing and oil cooling system
- Three main transmission chip detectors/debris collectors with burning capability
- Intermediate gearbox with sight gauge and magnetic drain plug/chip detector with burning capability
- Tail gearbox with sight gauge and magnetic drain plug/chip detector with burning capability

Hydraulic System

- Dual independent, redundant hydraulic system
- Two hydraulic Power Control Modules (PCMs)
- Two main transmission driven hydraulic mechanical pumps for controls and wheel brake actuation

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- Three Main Rotor dual servo actuators
- One Tail rotor dual servo actuator and One T/R actuator shut off valve

Electrical Systems

- DC primary power generation system: 28 V DC provided by two independent 300 A starter generators
- One heavy duty battery (33 Ah)
- One auxiliary battery (13 Ah)
- 28 V DC External Power Receptacle
- DC Power Distribution System (including bus bars, circuit breaker panels and control**s)**

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Lighting System

- Internal Lighting
- Instrument cockpit panel lighting
- Inter seat cockpit console lighting
- Overhead cockpit console lighting
- Cockpit dome light (1) and Cockpit utility Light (2)
- Cockpit storm lights (2)
- Baggage compartment light
- External Lighting
- Anti collision light (1)
- Navigation lights (red, white, green)
- Retractable swivelling Landing / taxiing lights (2)
- External emergency lights (2)
- External lights Night Vision Goggles friendly

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Standard Avionics Package

- Cockpit Display System (CDS)
- Three Rockwell Collins Display Units 10” X 8” colour AMLCD with LED backlight and NVIS compatibility: 2
- Primary Flight Displays (PFD) and 1 Multi Function Display (MFD)
- One Integrated Standby Instrument System (ISIS)
- Two Display Control Panels (DCP)
- Two Cursor Control devices (CCD)
- One Reversionary Control Panel (RCP)
- One Display Dimming Panel

Standard Avionics Package

- Two Master Caution Lights (MCL)
- Two Master Warning Lights (MWL)

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- Two Avionics Full Duplex Ethernet (AFDX) switches
- Aircraft Monitoring and Management System (AMMS)
- Two Aircraft Monitoring & Management Computers (AMMC)
- One Data Transfer Device (DTD)
- Two touch screen control panels
- Four Axis Automatic Flight Control System (AFCS)
- Two Flight Control Computer (FCC)
- One Flight Control System (FCS) Control PanelRadio Comm and Navigation System
- Two VHF-AM radios
- Two NAV (VOR/ILS/MB) receivers
- One ADF
- One DME
- One Transponder with Enhanced Surveillance Mode (Mode S)
- First SBAS GNSS (GPS)

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- Second SBAS GNSS (GPS)
- Interphone Communication System
- Two Audio Control Panels (Pilot and Co-pilot stations)
- One Audio Management Unit interfacing external transceivers
- One Passenger Intercom Amplifier
- Primary Flight Instruments
- Two flux valves
- Two Air Data and Altitude Heading Reference Systems (ADAHRS)

Standard Avionics Package

- One Radar Altimeter
- Pilot Clock
- Co-Pilot Clock
- One Standby magnetic Compass

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- Interior Trim
- Cockpit compartment utility finishing interior
- Cockpit panel sun-glare shields
- Pilot/ Co-pilot crashworthy adjustable seats (with inertial reels and separate 5 points safety belts)
- 28V DC cockpit/cabin power outlet
- Baggage compartment utility finishing interior
- Baggage smoke sensor
- Pilot / copilot headsets

Painting

- Standard colour scheme from company paint selection, solid colours

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Additional Baseline Equipment

- Steps for cockpit / cabin access
- Rotor brake system and Second radar altimeter
- One solid state Cockpit and Voice Flight Data Recorder with ULB
- One Emergency Locator Transmitter (ELT – 3 frequencies) (fixed)
- Overhead cockpit windows sun shades and First aid kit (as per JAR OPS 3)
- One cockpit and one cabin fire extinguisher (as per JAR OPS 3)

Additional navigation and fleet management systems

- ADS-B Out (Automatic Dependent Surveillance – Broadcast)
- Health and Usage Monitoring System (HUMS)
- Flight Data Monitoring system (FDM)
- Helicopter Terrain Avoidance and Warning System (HTAWS)
- Synthetic Vision System (SVS)

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Miscellaneous / Ground Equipment

- Covers and flags for engines, pitot and connectors
- Manuals and parts catalogue
- Tie-down assemblies for main rotor blades
- Tail rotor blades flapping block (1)
- Main rotor blades sock pole (1)
- Main landing gear wheel chocks (2)
- Main rotor balance and tracking chart, tail rotor balance chart
- Nose landing gear centre pin (1) and landing gear handle locking pin (1)
- Jacking dome assy
- Tow bar (1)
- Loose equipment bag (1)
- Baggage compartment cargo net

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Customised Configuration

- VIP interior arrangement composed by qty 3 forward facing leather covered captain chairs and qty 4 aft facing VIP leather covered comfortable seats.
- VIP soundproofing
- Cabin and Cockpit VIP finishing
- Moving Map System and TCAS II
- Pilot and co-pilot chart holder
- Weather Radar
- LHS Electrical Step and Air Conditioning System
- Rear Cabin windows (right and left)
- Wheeled Retractable Tricycle Landing Gear
- Enhanced Vision System
- Customised Painting Scheme
- Set of Bose headsets model A20 for pilot, co-pilot and passenger**s**

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