

**F.No.4\_1\_1\_6\_VIP Helic. \_POST (31392)2012**

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## **AVAILABLE FOR SALE!!!**

### **AW139 VIP HELICOPTER (EASA/FAA) SINGLE/DUAL PILOT IFR**

#### **I BASIC AIRCRAFT**

*Aluminium alloy fuselage  
Acrylic windshields  
Overhead cockpit windows  
Lower cockpit windows  
Cockpit ram air adjustable outlets  
Forced fan ventilation  
Bleed air heater and defroster with air noise suppressions  
Heated Pitot tubes (2) with Pitot heat failure warning (2)  
Heated static intakes (2)  
One cockpit and one passenger cabin fire extinguisher  
Pilot doors (2) with push-out emergency exit window (with "storm window" on pilot side)  
Plug-in sliding doors (2) for passenger cabin access with four locking latches  
Passenger doors stop in fully open position  
Six cabin push-out emergency exit windows (two on each passenger cabin door)  
Baggage compartment with two lockable baggage compartment doors (LH and RH)  
Baggage compartment cargo tie-down fittings  
Wheeled retractable tricycle landing gear (two wheels on nose gear and brakes on main landing gear)  
Structural provisions for nose landing gear doors  
Landing gear mooring  
Upper deck mooring provisions  
Hoisting and jacking fittings  
Tail boom and vertical fin  
Stabilizers with composite "winglets"  
Pilot and co-pilot windshield wipers  
Maintenance steps for access to upper deck on both sides  
Upper deck cowlings (one front forward sliding, two side opening for engine access)  
Steps for cockpit access  
Anti-vibration masses (2) under cabin floor*



#### **CONTACTS AND COVERAGE WORLDWIDE:**

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#### **WORLDWIDE COVERAGE:**

Middle East & Gulf Countries, Asia, Australia, New Zealand, Europe, Eastern Europe, North, South & Central America, North, South, West, East & central Africa.



**No.1\_**

**AW139 HELICOPTER (EASA/FAA) SINGLE/DUAL PILOT IFR STANDARD CONFIGURATION**

**1 BASIC AIRCRAFT**

Aluminium alloy fuselage Acrylic windshields Overhead cockpit windows Lower cockpit windows  
Cockpit ram air adjustable outlets Forced fan ventilation  
Bleed air heater and defroster with air noise suppressions Heated Pitot tubes (2) with Pitot heat failure warning (2) Heated static intakes (2)  
One cockpit and one passenger cabin fire extinguisher  
Pilot doors (2) with push-out emergency exit window (with “storm window” on pilot side) Plug-in sliding doors (2) for passenger cabin access with four locking latches  
Passenger doors stop in fully open position  
Six cabin push-out emergency exit windows (two on each passenger cabin door) Baggage compartment with two lockable baggage compartment doors (LH and RH) Baggage compartment cargo tie-down fittings  
Wheeled retractable tricycle landing gear (two wheels on nose gear and brakes on main landing gear)  
Structural provisions for nose landing gear doors Landing gear mooring  
Upper deck mooring provisions Hoisting and jacking fittings Tail boom and vertical fin  
Stabilizers with composite “winglets” Pilot and co-pilot windshield wipers  
Maintenance steps for access to upper deck on both sides  
Upper deck cowlings (one front forward sliding, two side opening for engine access) Steps for cockpit access  
Anti-vibration masses (2) under cabin floor

**2 ROTORS AND CONTROLS**

Fully articulated Main Rotor (M/R) with five composite blades, five elastomeric bearings and five hydraulic dampers  
Rotating M/R flight controls Main rotor hub beanie  
Main dual servo actuators (3)  
Fully articulated Tail Rotor (T/R) with four composite blades, four elastomeric bearings and four elastomeric dampers  
Rotating T/R flight controls  
One T/R dual servo actuator force trim system  
Pilot fixed flight controls (cyclic, collective, anti-torque pedals)  
Co-pilot fixed flight controls (cyclic, collective, anti-torque pedals) Dual digital 3-axis linear actuators  
Rotor brake  
Provision for main rotor tracking (magnetic pick-up)



### **3 POWER PLANT AND FULL SYSTEM**

Two Pratt & Whitney Canada PT6C-67C turboshaft engines

Two independent FADEC systems with autostart and engine control functions for normal, emergency and training operations

Two magnetic chip detectors

Two integrated and independent engine oil coolers Separation firewall protection for each engine Fire detection system

Fire extinguisher system (2 bottles) Steel engine exhausts and ejectors

Two independent crashworthy fuel cells Two supply pumps on engines

Two submerged booster pumps in fuel tank Two fuel filter assemblies

Two engine back-up controls, mechanical and electrical Two manual engine start and ignition systems

### **4 TRANSMISSION DRIVE SYSTEM AND HYDRAULIC SYSTEM**

Main transmission with two direct drive engine inputs

Three main transmission chip detectors/debris collectors with burning capability Two freewheel units

Four strut rods for upper deck attachment and one anti-torque plate Intermediate gearbox with sight gauge and magnetic drain plug/chip detector Tail gearbox with sight gauge and magnetic drain plug/chip detector

Dual independent, redundant hydraulic systems Two hydraulic Power Control Modules (PCM)

Three main transmission driven hydraulic mechanical pumps for controls, landing gear and wheel brake

actuation

One electrical pump for control checks on ground (engines off) Air conditioning compressor quill

### **5 ELECTRICAL SYSTEMS**

DC primary power generation: 28 V DC regulated voltage provided by two independent 300 A starter generators

DC external power receptacle

Two nickel-cadmium batteries one 44 Ah main battery plus one 13 Ah auxiliary battery DC starter generator control units (2) Navigation lights (3)

Anti-collision light

External emergency landing lights on the sponsons (2) Fixed landing/taxing lights on the sponsons (2) Retractable/rotating landing light

Baggage compartment lights (3) and smoke sensor



## **6 STANDARD AVIONIC PACKAGE**

1st PFD (Pilot Primary Flight Display 8" \* 10" colour Active Matrix Liquid Crystal Display) as part of Honeywell Primus Epic System for visualization of flight and navigation data

2nd PFD (Co-pilot Primary Flight Display 8" x 10" colour Active Matrix Liquid Crystal Display) as part of Honeywell Primus Epic System for visualization of flight and navigation data

1st MFD (Pilot Multifunction Display 8" \* 10" colour Active Matrix Liquid Crystal Display) as part of Honeywell Primus Epic System for visualization of flight and navigation data

2nd MFD (Co-pilot Multifunction Display 8" x 10" colour Active Matrix Liquid Crystal Display) as part of Honeywell Primus Epic System for visualization of flight and navigation data

One Electronic Standby Instrument System (ESIS) (attitude, airspeed, altitude, vertical speed, compass, and ILS data)

Two Attitude and Heading Reference Systems (AHRS) Two Air Data Modules (ADM)

Two flux valves

Two Display Controllers (DC)

Two Cursor Control Devices (CCD) One Reversion Control Panel (RCP)

One Display Dimming Control Panel (DCP)

One Stability Augmentation System (SAS) control panel Two Remote Instrument Controllers (RIC)

Two Modular Avionic Units (MAU) incorporating the following major subsystems and/or functions:

- Vehicle Monitoring System (VMS) dual
- Monitor Warning System (MWS) dual
- Aural Warning Generator (AWG) single
- Central Maintenance Computer (CMC) single
- 4-axis dual Digital Automatic Flight Control System (DAFCS) Basic
- Provision for CVR/FDR data interface (single)
  - Flight Director System (dual) Pilot and co-pilot headsets

Pilot and co-pilot interphone control (cyclic grip and floor switches) Left Modular Radio Cabinet (MRC) with the following modules:

- One VHF Comm.
- One VOR/LOC/GS/MB

Right Modular Radio Cabinet (MRC) with the following modules:

- One VHF Comm.
- One Mode S diversity transponder
- One VOR/LOC/GS/MB
- One ADF
- One DME

Two pedestal mounted Multi Control Function Display Units (MCDU)

1st radar altimeter RT-300 2nd radar altimeter RT-300 Emergency Locator Transmitter (ELT) One



flight guidance controller

Honeywell GPS module with Flight Plan Management System (FPMS)

Pilot and co-pilot digital audio panels with remote ICS audio port for ground operation Pilot clock (digital)

Co-pilot clock (digital) One magnetic compass

One outside air temperature indicator Two Master Warning Lights (MWL) Two Master Caution Lights (MCL) Engine 1 fire light Engine 2 fire light

Baggage compartment smoke detector light

Dual electrical power connection for CVR/FDR (FAA requirement compliant)

## **7 INTERIOR**

Pilot and co-pilot crashworthy seats (with inertial reels and safety belts)

Cockpit dome/storm light

Cockpit utility lights (2)

28 V DC cockpit/cabin power outlet

Cockpit panel sun-glare shields

Overhead cockpit windows sun shades

Floor provisions for 15-seat configuration

Fluorescent lighted emergency exit signs

Cockpit map and data case in central console

Two flash lights for pilot and co-pilot

Map and data cases in pilot and co-pilot doors

ICS panel with plug for one headset

Air ventilation system First aid kit

## **8 PAINTING**

Standard colour scheme from Company paint selection, solid colour

## **9 MISCELLANEOUS/GROUND EQUIPMENT**

Covers and flags: engine exhaust pipes (2), engine air inlets (2) and Pitot tubes (2), battery connector warning flag (1)

Manuals: aircraft log, engines operations, flight and maintenance and overhaul, illustrated parts catalogue

Tie-down assemblies for main rotor blades (5) 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 (1)

Tow bar (1)

Loose equipment bag (1)



**FIVESTARS Cabin Interior (7 seats)**

- 3 armchairs leather covered (with inertial reels and safety belts)
- 4 comfortable seats leather covered (with inertial reels, safety belts and under-seat skirts)
- Armrests for comfortable seats fwd (Qty 3 per row)
- Armrests-cabinets for comfortable seats fwd (LH and RH)
- Headsets Bose ANR type (Qty 7)
- Fashion cabinet (between two armchairs) with newspaper holder
- Multipurpose Cubby with 3 sliding doors
- Separation wall, closed by manual sliding glass window
- Passenger cabin sliding doors
- Super Silent soundproofing
- Sliding door liners leather/leatherette covered with Passenger Service Unit
- Electrically operated pax steps (RH and LH) with boarding lights (in lieu of fixed steps)
- Nose landing gear doors
  - Customized VIP cabin Finishing from Company selection as applicable i.a.w. prevailing airworthiness directives
- Decoration trim flat (for pax sliding doors)
  - Passenger carpet (high thickness)
- Air conditioning system
- P.A. (Passenger Address) system (including loudspeakers and safety belts lights)
- ICS in cabin for all passengers
- Passenger cabin thermo acoustic double layer tinted windows
- Ripple dampers
- Active Vibration Control System (AVCS) provision
- MGB Premium grade
  - Stat Com Iridium ST3100 Aircell I-pod dock station on cabinet AVCS removable
  - Customised painting scheme, metallic colours from company selection TCAS I KTA-970 Honeywell Bendix/King provision
  - TCAS I KTA-970 Honeywell Bendix/King removable Weather Radar Primus 660 Honeywell provision Weather Radar Primus 660 Honeywell removable Auxiliary trasversal fuel tanks 132 USG provision Auxiliary trasversal fuel tanks 132 USG removable
  - Approach plates chart holders with lights for pilot and co-pilot Slump protection pads provision
  - MTOW extension up to 6 800 kg
  - Full icing protection system/combined accessory gear box Moving map Euronav V
  - 5th cockpit display for Euronav V EGPWS Enhanced Vision System
  - Wire Strike Protection System Auxiliary Heavy duty battery 27 Ah 10' monitor on the separation wall
- CD, DVD, MP3 player + USB connection to an hard disk into the cabby area SATCOM installed in the document box on the backward bulkh