SUPER PUMA
(Civil Version)

AS 332 C1e

AS 332 L1e

EC 225

COUGAR
(Military Version)

AS 532 ALe

EC 725
3 Baseline Aircraft Definition

GENERAL
- Crashworthy design fuselage including cockpit and cabin
- Monocoque tail boom with tail rotor protection and stabilizer
- Polyurethane white paint and Dinol AV30 re-inforced anti-corrosive treatment
- Front part of the tail boom arranged as a luggage compartment
- Fuselage upper part used as transmission deck
- Fuselage lower part fitted with the flotation gear and the crashworthy installation (tanks)
- Engine cowlings serving as a work platform when in the open position
- High energy absorption, retractable, trioleo landing gear with trailing-arm main landing gear and castoring nose wheel unit
- Footsteps for climbing to the transmission deck, the cockpit and the cabin
- Built-in jacking and towing points
- Provisions for attaching gripping points
- Interior paint: light beige
- Exterior paint: the fuselage is painted following customer paint scheme (glass or dull polyurethane finish); the landing gears are grey and unless otherwise specified, the optional equipments keep their original colors

COCKPIT
- 2 pilot and copilot seats adjustable in height and fore-and-aft, complete with safety belts and extendable shoulder harnesses
- 1 third crew man jump-seat with extendible safety belt
- Dual flight control
- Steadyng rods at pilot station
- Engine controls
- Master cut-off switches
- Rotor brake control
- Landing gear control
- Differential wheel brakes at pilot and copilot stations
- 2 map cases on pilot and copilot doors
- 1 Flight Manual
- 1 hand fire extinguisher
- De-iced pilot and copilot windshield panes with wiper
- 1 front actuator
- 2 windscreen panel demisting diffusers
- 2 adjustable heating and ventilation outlets on the ceiling
- 2 diffusers at floor level
- Manual cock for selective pane demisting
- 2 jettisonable doors with door-stops
- Access to cabin with partitioning curtain

INSTRUMENTS
- 4 multifunction 8" x 8" landscape LCD displays
- 2 display and autopilot control panels
- 1 Integrated Standby Instrument System (ISIS) for airspeed, altimeter and gyro-horizon back-up display
- 1 redundant Vehicle Monitoring System (VMS) with one redundant Aircraft Management Computer (AMC) and two 4" x 5" LCD displays
- 2 stop watches
- 2 triple tachometers
- 1 stand-by magnetic compass
- 1 warning panel
- 1 fuel circuit control and monitoring panel
- 1 AC/DC control box
- 1 engine starting panel
- 1 landing gear position control and monitoring panel
- 3 heated pilot and 3 static lanes
- 1 ventilation/heating system control panel
- Instruments units available in English units (Altimeter in feet and Airspeed indicator in kts)
- 1 digital intercommunication system – 3 control panels
- 1 VOR/ILS/ADF/MKR receiver
- 1 VOR/ILS/MKR receiver
- 1 DME receiver (twin channel)
- 1 transponder (with S mode)
- 1 Emergency Locator Transmitter
- 1 radio altimeter

CABIN
- Floor fitted with 13 cargo tie-down rings, capable of accommodating various types of seat
- 2 jettisonable sliding plug doors
- 10 jettisonable windows (including 4 in the sliding doors) for emergency exit
- 1 removable rear panel with jettisonable window
- 1 hand fire extinguisher, 1 axe and anti-smoke equipment
- Soundproofing upholstery (dark padded cloth)
- Heating and ventilation (10 upper outlets adjustable for direction and flow, plus 4 lower bottoms adjustable for flow) with evacuation of stale air (2 outlets)
- Fittings for ambulance equipment, fixed parts 6 stretchers
- Floor hatch for cargo sling pole
- Stowage space for airborne kit
### POWER PLANT
- 2 Turbomeca MAKLA 1A1 1,400 kW (1,877 shp) turbine engines in two separate groups with own starting, feeding, lubricating, cooling and governing systems
- 1 fuel system of 1,556 litres (411 Us gal.) usable capacity comprising 5 tanks, arranged in 2 groups, 4 booster pumps, 1 transfer pump and a low/high fuel level warning system. The pipes are of the crashworthy type
- Provisions for ferrying, central auxiliary and external tanks

### TRANSMISSION SYSTEM
- 1 main gearbox (MGB) on flexible mountings with chip detector with fuzz burner, oil sight gauge, oil temperature and pressure sensors and torque meter pick-ups 2 lubrication pumps and independent circuits
- 1 intermediate gearbox with magnetic plug, oil sight gauge and temperature sensor

### ROTORS AND FLIGHT CONTROLS
- 1 main rotor with 4 composite-material blades equipped with guy and droop stops
- 1 anti-torque rotor with 5 composite-material blades
- 1 flying control system, fitted with 4 dual-body servos units (3 on the cyclic and collective pitch channels and 1 on the anti-torque rotor pitch control channel) with 2 chambers per body

### ELECTRICAL INSTALLATION
- 2 alternators (2050 kVA, 115/200 V, 400 Hz)
- 1 cadmium-nickel battery (43 amp-hr)
- 2 transformer-rectifiers (150 amp)
- 1 standby battery
- 1 cockpit lighting system including:
  - green pedestal and overhead panel lighting
  - integrated instrument panel lighting
  - white general lighting
  - 1 white extension light
  - 2 white map lights

### HYDRAULIC GENERATION
- 2 independent hydraulic systems:
  - the LH system feeds one of the servo-unit bodies, the autopilot, the landing gear control, the rotor brake and wheel brakes
  - the RH system feeds the other body of the servo-units
  - Hydraulic ground couplings

### AIRBORNE KIT ¹
- 8 static vent blanks
- 2 pilot head covers
- 1 engine air-intake grid protection cover
- 2 engine tail-pipe blanks
- 4 mooring rings
- 2 rough-weather mooring fittings (included on the aircraft)

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¹ Weight not included in standard aircraft empty weight

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