

Civil

AS332[®] C1e





AS332 C1e



Airbus Helicopters' workhorse Super Puma family helicopters are legendary for their rugged design, excellent payload lift performance, and demonstrated ability to operate in the most austere environments.

As part of its strong partnership with sister company Vector Aerospace, Airbus Helicopters now offers the AS332 C1e version of this mission-proven helicopter product line, incorporating modern avionics and system.

Features of the AS332 C1e include the 4-axis autopilot and associated automatic flight control system (AFCS) from Airbus Helicopters' evolved EC225 Super Puma helicopter, which provides flight envelope protection, unrivalled precision, and stability in even the harshest operating conditions.

The AS332 C1e is tailored for a full range of missions, including:

- Utility airlift with internal and external loads
- Passenger transport
- Law enforcement and search & rescue missions
- Firefighting and medical evacuation
- Peace-keeping and humanitarian deployments

The Baseline Definition

The AS332 C1e is offered in a standard baseline that ensures a multi-mission capability while reducing production lead times for more rapid customer deliveries.





Enlarged aft fuselage compartment & special one-step door

Despite its size and excellent payload in high-and-hot environment, the AS332 C1e's agility and AFCS allow access to confined, sea, snow, and sand environments.



Pressure refueling



Emergency locator transmitter



Green-tinted cockpit upper panes



Digital duplex 4-axis autopilot

Standard baseline

- New digital dual duplex 4-axis autopilot (APM2010)
- Latest-generation navigation and flight management systems
- Full glass cockpit avionics, night vision goggles (NVG) compatible
- Multipurpose Air Intakes with anti-sand and anti-icing protection
- Crashworthy seats for the pilot and copilot
- Green-tinted upper glass panes installed inside the windshield
- Enlarged aft fuselage compartment with special single-step door
- Emergency locator transmitter (Kannad 406)
- Pressure refueling on the ground
- Main rotor blade folding system
- Naval mooring



MPAI Multi-purpose air intakes



Folding system for the main rotor blades



Pilot and co-pilot crashworthy seats

Two Customization Levels

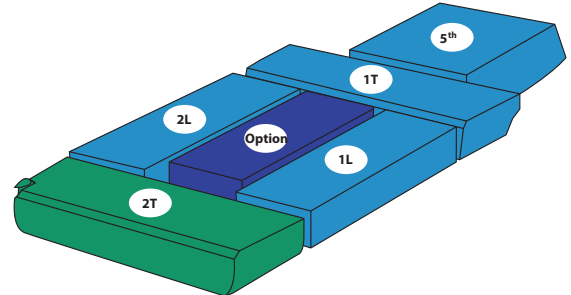
Airbus Helicopters provides plug-and-play solutions for AS332 C1e customization, while Vector Aerospace specializes in providing comprehensive capabilities for implementation of STC* upgrades.





Wire strike protection

Plug-and-play equipment examples with already developed Service Bulletins and associated mobile parts provided on request by Airbus Helicopters.



Additional fuel tank



External mirrors

Our strong partnership with Vector Aerospace increases efficiency for specific needs.

- Vector Aerospace STC* examples
- Combi passenger/freight
- Electro optical turret mounted
- Door-mounted 12.7 mm machine gun
- Additional internal fuel tank
- Vertical light for hoisting, structural & electrical capabilities
- Telephonics 1600 weather radar
- CVFDR - EASA-OPS Part CAT
- HF/SSB Collins – HF 9X00
- VHF/F-H NAT NPX 138



Armor plating for pilot and co-pilot crashworthy seats



20 troop seats installation



Class 1 hydraulic hoist 75 m / 272 kg



Fast roping beam



Spectrolab SX16 Searchlight



Cargo sling 4.5 t / 9,920 lb

Support & Services

The reliability of the AS332 C1e is one of the helicopter's key strengths.



Cost-effectiveness with limited maintenance man hours (MMH)

Through Airbus Helicopters' Parts-By-the-Hour (PBH) program, parts are made available for operations in various environments and covering all repairable items for both scheduled and unscheduled maintenance.

SCHEDULED INSPECTION

ESTIMATED MAN HOURS

Daily checks	Pilot's task
50 flight hours	13 MMH
500 flight hours / 24 months	220 MMH

AIRFRAME MAJOR INSPECTION

7,500 flight hours / 15 years	1,200 MMH
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MAKILA 1A1

30, 50, 300 & 600 flight hours	0.0836 MMH / flight hours
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Tailored solutions for every operator

The shelter-based transportable maintenance container is an Airbus Helicopters' exclusive.



20 feet: ISO for air, sea and road transport



Training

Airbus Helicopters' training solutions enable AS332 C1e operators to increase the skills of their pilots, mechanics and operations managers. Also offered are mission-oriented courses that respond to operators' specific mission scenarios.



A cost-efficient
approach for dry
or wet lease
simulation

Training is provided in Marignane, France with a full flight simulator configured to the AS332 C1e cockpit.

- From basic training to sophisticated mission training for pilot and engineers.
- A large selection of modern tools
 - Computer-based training
 - Fixed trainers
 - Light training device
 - Full flight simulator



Main Characteristics



Reaches otherwise inaccessible places quickly and safely

Flexible by design, the AS332 C1e benefits from:

- Remarkable volume and payload
- All-around versatility
- High-and-hot capabilities
- Up-to-date safety standards
- Easy piloting, simple to operate and maintain
- Cost-effective in diverse mission applications



WEIGHT

• Maximum all-up weight (AUW)	8,600 kg	18,960 lb
• Max. AUW in external load configuration	9,350 kg	20,615 lb
• Baseline weight	4,800 kg	10,582 lb

CAPACITY

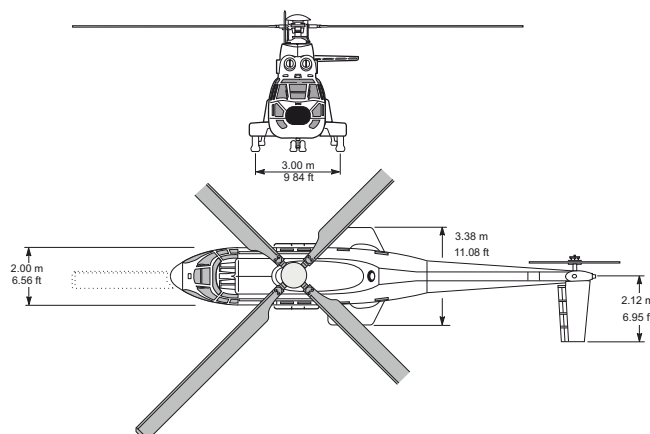
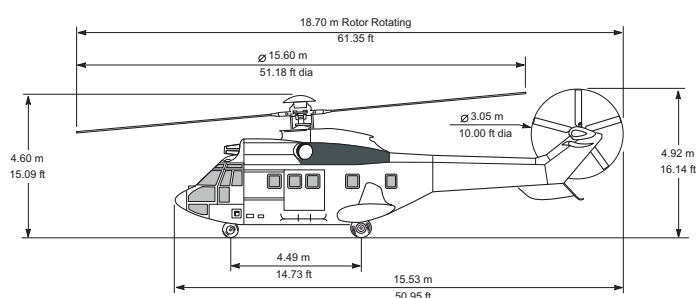
• 2 pilots + 15 passengers in a comfortable forward seating Certified layout or up to 20 troop Qualified seating		
• Maximum cargo sling load:	4,500 kg	9,920 lb
• Certified combination for mixed passenger/freight		
• 3 Pallets (std. 48") and/or 14 lateral seating		

ENGINE

• 2 Turbomeca Makila 1A1 Turboshaft		
• Maximum Emergency power (OEI):	1,400 kW	1,877 shp

PERFORMANCE AT MAX. GROSS WEIGHT, ISA, SL

• Fast cruise speed	260 km/h	140 kts
• Maximum speed (VNE)	278 km/h	150 kts
• Rate of climb	8.2 m/s	618 ft/min
• Max range with standard tanks, without reserve	642 km	346 NM
• Endurance without reserve at 70kts	> 3h15min	
• Useful load	4,195 kg	9,249 lb







Contacts

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