

A close-up, low-angle shot of an Airbus AS365 N3+ helicopter in flight. The helicopter is white with orange accents on the tail and rotor hub. The main rotor blades are blurred, indicating motion. The cockpit windows show two pilots. The background is a hazy, mountainous landscape.

Civil

**AS365 N3+**



**AIRBUS**  
HELICOPTERS





# AS365 N3+

## WHEN EXPERIENCE MEETS EXCELLENCE

The AS365® N3+ belongs to the Dauphin® family, which is well known for its unique design. This medium helicopter has proven its ability to perform any kind of mission, anywhere in the world. It even excels in the most severe climatic conditions, such as high altitudes or hot temperatures.

The standard AS365 N3+ is fitted with the unique Airbus Helicopters 4-axis autopilot to ease crew workload and help simplify the most demanding missions, including Search and Rescue (SAR). It also features excellent forward visibility during an approach.

The AS365 N3+ is powered by two Turbomeca Arriel 2C turbine engines fitted with a Full Authority Digital Engine Control (FADEC) system. Not only can this aircraft take off in ground effect at maximum weight and in temperatures of up to +50°C, but it is also capable of taking off with a full load from sea level in Category A conditions.

The AS365 N3+ incorporates the all composite Fenestron® tail rotor which provides safety, high manoeuvrability, exceptional efficiency and low sound level during flight. The Fenestron® is also a unparalleled safety equipment for ground crew. Its sound emission is rated at 3.1 EPN decibels below the International Civil Aviation Organization (ICAO) standards, making it the quietest helicopter in its category.

The AS365 N3+ is also the most cost effective medium twin helicopter with the lowest Direct Maintenance Costs in its class.



# EMS and SAR Missions

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The AS365 N3+ features exceptional capabilities to transfer patients from one hospital to another or to rapidly access accident sites. In addition to flying at very high speeds, its high power reserve and excellent one-engine inoperative (OEI) performance make it a safe aircraft to fly over urban areas or to perform Search And Rescue operations in poor weather conditions. Its low vibration level and high flight stability provide working comfort for medical attendants and a smooth ride for patients.

The AS365 N3+ is fitted with a digital four-axis autopilot and outstanding state-of-the-art avionics equipment (e.g. Flight Management System, GPS, radio suite, multi-mission display, weather radar) to safely perform missions in demanding climatic conditions.



# Fast, Modern and Safe

The spacious cabin of the AS365 N3+ can easily accommodate all medical equipment.

It can be reconfigured within a few minutes to add a second stretcher, if necessary. The wide lateral access to the cabin makes both the loading and unloading of patients, as well as personnel access, quick and easy.

The wide lateral access to the cabin, combined with the enlarged bubble sliding doors and the class 1 rescue hoist, make the AS365 N3+ perfectly adapted to SAR operations.



EMS equipment



Hailers



Electrical rescue hoist



# Oil and Gas Missions

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With well-proven technology and a fleet family that has achieved 4.8 million flight hours, the AS365 N3+ is one of the safest medium-sized helicopters. This aircraft is equipped with two powerful Turbomeca Arriel 2C turbine engines including a Full Authority Digital Engine Control (FADEC) system in order to provide an optimal level of safety. Its composite main rotor blades are corrosion-proof, thus ensuring an extremely long lifetime. When it comes to mission availability, the low level of maintenance per flight hour for the AS365 N3+ is acknowledged by operators as a key feature of this aircraft. In addition, the N3+ includes the EC225 digital 4-axis autopilot and all the necessary equipment to safely perform offshore missions: Traffic alert and Collision Avoidance System (TCAS), Automatic Voice Alarm Device (AVAD), external life rafts, Automatic Deployable Emergency Locator Transmitter (ADELT), Quick Access Recorder for Helicopter Flight Data Management, Moving Map linked to GPS - and the list goes on.





## Mission Ready

The unobstructed cabin can accommodate up to 12 passengers and 2 pilots.

The cabin is easily accessible by large forward doors.

In addition to the low vibration level, passengers will appreciate the panoramic view offered by large windows.



Standard cabin layout



External life rafts



Emergency floatation



Luggage compartment

### Equipment included

- Automatic Voice Alarm Device (AVAD)
- Traffic alert and Collision Avoidance System (TCAS)
- HEEL (emergency exit lighting)
- Health and Usage Monitoring System (HUMS and UMS)
- External life rafts
- Emergency floatation gear

# Business and Private Aviation Missions

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The AS365 N3+ is at the forefront of aircraft development, offering a range of rare qualities with its advanced and innovative design. Its powerful engines enable a fast cruise speed, excellent range and high endurance. The digital 4-axis autopilot improves exceptionally the safety by protecting the full flight envelope and ensures a smooth and pleasant flight.

The AS365 N3+ sound emission makes it the quietest helicopter in its category, extremely discreet when flying over urban areas.





# Outstanding Elegance and Finishing

The elegant AS365 N3+, with its refined nose and grey limousine panes, offers exceptional comfort to its passengers: The AS365 N3+'s modern cabin can be customized with a one of the several fashionable cabin layouts available. In addition, the cabin can be equipped with the latest, state-of-the-art In-Flight Entertainment System (IFE) and an improved air conditioning system.

The wide, unobstructed cabin offers VIP accommodations for up to seven passengers.

Access to the cabin is easy through wide lateral sliding doors with convenient boarding steps. Passengers will appreciate the panoramic view offered by the large windows and the feeling of a wide open space.



A natural elegance and refined atmosphere created by the use of the highest quality material.

# Parapublic and Police Missions

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The AS365 N3+ offers exceptional speed and endurance to perform all kinds of police operations ranging from patrol, airborne surveillance, SAR missions and special operations. The two powerful Turbomeca Arriel 2C engines provide higher reliability and safety margins than any other aircraft in this category. The AS365 N3+'s compact size and exceptional maneuverability allow police forces to operate in the most confined areas. Low vibration levels, thanks to a digital 4-axis autopilot, make it possible to install all the equipment necessary for law enforcement missions and provide optimal comfort for long patrols. The simple design of the AS365 N3+ reduces the need for maintenance, which, in turn, reduces operating costs and enhances availability.





# Rapid and Reliable

The AS365 N3+ can be equipped with a wide range of certified equipment to perform all police operations with the highest efficiency. This includes:

- Surveillance
- Command and control
- Search and Rescue (SAR)
- Passenger transportation
- Border patrol
- Aerial support to ground operations
- Maritime surveillance.



Wire Strike Protection System



Searchlight



Hailers



EOS

# Support and services

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At Airbus Helicopters, supporting your helicopter operations with the highest level of excellence is our priority. We are dedicated to meeting our customers' needs, whether saving lives, ensuring public safety or maximizing flight revenues. In order to provide customized services, we offer:

- A worldwide service network of 30 customer centers, more than 100 distributors, representatives, training centres, repair and overhaul facilities and maintenance centres around the globe, as well as logistic hubs in France, Hong Kong and the USA.
- Customer Service Centres in Europe, Asia and the USA offering around-the-clock customer assistance, 7 days a week, 365 days a year to keep you in the skies.
- A wide array of service solutions to meet all your needs, in terms of technical support, component repair and overhaul, spare parts support, technical publications and training – at Airbus Helicopters facilities worldwide or at your facilities.







## Support: a comprehensive package

From the moment you purchase your aircraft, Airbus Helicopters offers:

- Customer Service Centre
- Initial Parts Provisioning
- Warranty
- Technical support
- On-site technical assistance
- Technical publications
- Type rating for pilots and technicians.

To optimize spares provisioning, Airbus Helicopters provides:

- A single interface for the management of both new and second hand parts orders
- An Advanced Planning System to perform fine-tuned forecasting
- A Worldwide Distribution Network.

## Services: a range of tailor-made solutions

We also provide the following services solutions:

### Field Service

Our field technicians are equipped with the latest diagnosis technology, are trained and qualified according to the most demanding qualification regulations.

### Repair & Overhaul Services

A large Repair & Overhaul capability is at your disposal in our certified workshops. Services, such as guaranteed Turn Around Times, support your maintenance planning.

### Logistics Services

- Consulting services such as "Collaborative Supply Chain" solution
- Reactive transportation service for worldwide delivery
- Standard Exchange for the replacement of your repairable parts.

For AS365 N3+ operators, specific services to match your operational requirements are available: Our By-the-Hour programs will enable you to increase your aircraft availability and closely monitor your budget while saving inventory costs.

### Cost effective Training is available

- Advanced training tools to Full Flight Simulators
- Mission-oriented training programs based on specific operations.



# Technology

Technical improvements developed by Airbus Helicopters on the AS365 N3+ include a modular design of the mechanical assemblies, use of composite materials (i.e. Starflex® rotor head, blades, airframe, etc.) and use of the latest generation of avionics.

The AS365 N3+ also incorporates cutting-edge technologies and the all-composite Fenestron® tail rotor which features high maneuverability, low external sound level and optimal safety for passengers and ground personnel.







## Only Proven Technologies

### Low Sound Level Fenestron®

- Composite material blades
- Maximum safety in flight and on ground
- Reduced sound signature (certified at 3.1 dB below ICAO level)
- Improved damage tolerance
- Increased service life limit
- Reduced maintenance

### High-Set Main Rotor

Enhanced safety for passengers and ground personnel

### Turbomeca Arriel 2C Engines

Proven technology: Safety and reliability at its best

### Modern Navigation Equipment

- Digital 4-axis autopilot (APM2010) which reduces pilot workload and protect the full flight envelope
- Traffic alert and Collision Avoidance System (TCAS), Electronic Ground Proximity Warning System (EGPWS), Radar and Digital Moving Map displayed on 10.4" screen
- Mission display 10.4 " Touch screen
- Digital Audio Communication System (DACS)
- Proline Radio 21 Suite or Garmin radio suite GNS430W
- Flight Management System CMA9000, GPS, direction finder and all SAR modes

### FADEC System

Electronic engine control that enhances safety and reduces pilot workload

### Main Landing Gear

No operational speed limitation

### Fiberglass and Carbon Fiber Main Rotor Blades

- Virtually immune to scratches and notches
- Corrosion-proof
- Manually foldable
- 20,000 hours of service life



### Equipment included

- Automatic Voice Alarm Device (AVAD)
- Traffic alert and Collision Avoidance System (TCAS)
- HEEL (emergency exit lighting)
- Health and Usage Monitoring System (HUMS and UMS)
- External life rafts
- Emergency floatation gear

# Characteristics

The AS365 N3+ offers outstanding performance acquired from the proven experience of the Dauphin family. A fast and powerful helicopter with long range capabilities, it is particularly well adapted to operations in high altitudes and hot climates. With two Turbomeca Arriel 2C engines and a Full Authority Digital Engine Control (FADEC) system, this medium twin engine helicopter offers a wide range of operation.

CAPACITY

Crew	single / dual-pilot VFR or single / dual-pilot IFR
Passenger transportation	2 pilots + up to 12 passengers with comfort seats
Corporate transportation	2 pilots + up to 8 passengers with Executive layout
VIP transportation	2 pilots + up to 7 passengers with VIP layout
Casualty evacuation	1 or 2 pilots, 2 stretchers and 4 seats

WEIGHT

Maximum Takeoff weight (internal or external load)	4,300 kg	9,480 lb
External load capacity	1,600 kg	3,527 lb

ENGINE

2 TURBOMECA ARRIEL 2C TURBOSHAFT		
Maximum power per engine (OEI 30-second rating)	717 kW	961 shp

PERFORMANCE AT MAXIMUM GROSS WEIGHT, SL, ISA

Maximum speed (Vne)	287 km/h	155 kts
Cruise speed	269 km/h	145 kts
Rate of climb	6.7 m/s	1,321 ft/min
Range with optional auxiliary tanks (at RCS 269 km/h - 145 kts)	923 km	498 NM

The data set forth in this document is for information purposes only, and may vary with conditions.  
For performance data and operating limitation references, refer to the approved flight manual and all appropriate documents.















## Contacts

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