

**PROVEN FORCE MULTIPLIER**

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**SUPER LYNX 300**  
Anti-Submarine Warfare  
(ASW)







## MARITIME OPERATIONS

Operating worldwide in all environments, the Super Lynx 300 ASW/ASuW extends the area capability and operational effect of its host maritime platform. The aircraft has the ability to autonomously detect, identify and engage surface and sub-surface targets.

Primary Maritime roles include:

- Anti-Surface Warfare (ASuW)
- Anti Submarine Warfare (ASW)
- Surface Surveillance
- Maritime Counter Piracy/ Narcotics
- Maritime Counter Terrorism (MCT)
- Over the Horizon Targeting (OHT)
- Search and Rescue (SAR) and Medical Evacuation (MEDEVAC)
- Utility Support





## DELIVERING THE TACTICAL ADVANTAGE



The Super Lynx 300 Anti-Submarine Warfare (ASW) and Anti-Surface Warfare (ASuW) is a multi-role, multi-mission, maritime and utility aircraft.

The Super Lynx 300 ASW/ASuW continues the heritage of the Lynx family of helicopters that, for more than 40 years, have successfully met the demanding operational needs of 15 nations.

Designed for all-weather operations and equipped with a comprehensive, integrated avionic suite to provide low cockpit workload, the Super Lynx 300 ASW/ASuW delivers the capability to find, fix and strike.



Mission Sensor options can include Surveillance Radar, Active Dipping Sonar, Electro Optical Surveillance System, Electronic Surveillance Measures and Defensive Aids Suite.

Armament options include air-to-surface missiles, torpedoes, air-to-ground rockets, depth charges and heavy machine guns.



## UTILITY RECONNAISSANCE AND SUPPORT

The Super Lynx 300 ASW/ASuW also operates in the utility and support roles. Provision for a range of mission and role equipment, combined with a marinised airframe, enables true multi-role capability over land, sea and the littoral environment.

The Super Lynx 300 ASW/ASuW offers air mobility for the deployment of specialist teams, counter terrorism tasks, close battle support, casualty evacuation and utility support.

Typical roles can include:

- Intelligence, Surveillance, Target Acquisition & Reconnaissance (ISTAR)
- Airborne Command & Control
- Close Air Support
- Troop Transport
- Medical Evacuation
- Freight Transfer & Utility Support



# AIRCRAFT SPECIFICATION AND OPTIONS



## OPERATIONAL ADVANTAGES

- Proven ability to take-off and land in extreme environments including hot and high conditions with excellent single engine performance
- Aircraft cleared to operate at a MAUM of 5,330 kg
- Capable of carrying a range of armaments for a flexible response to tactical situations
- Marinised aircraft optimised for operating from limited spaces on small vessels in high sea states
- Comprehensive mission equipment including Surveillance Radar, Electro Optical Surveillance System (EOSS) and Active Dipping Sonar (ADS)

## MAIN FEATURES

### Airframe

- 10,000 hour fatigue life marinised airframe of light alloy and composite construction
- Large easy access cabin doors
- Optional Folding tail boom

### Mission Systems

- Electro-Optical Device with colour TV, thermal imager and laser range finder/designator
- 360° Multimode Surveillance Radar
- Active Dipping Sonar with operator console
- Military Identification Friend or Foe
- Data Link
- Mission data recorder (EOSS Video)

### Engines & Fuel System

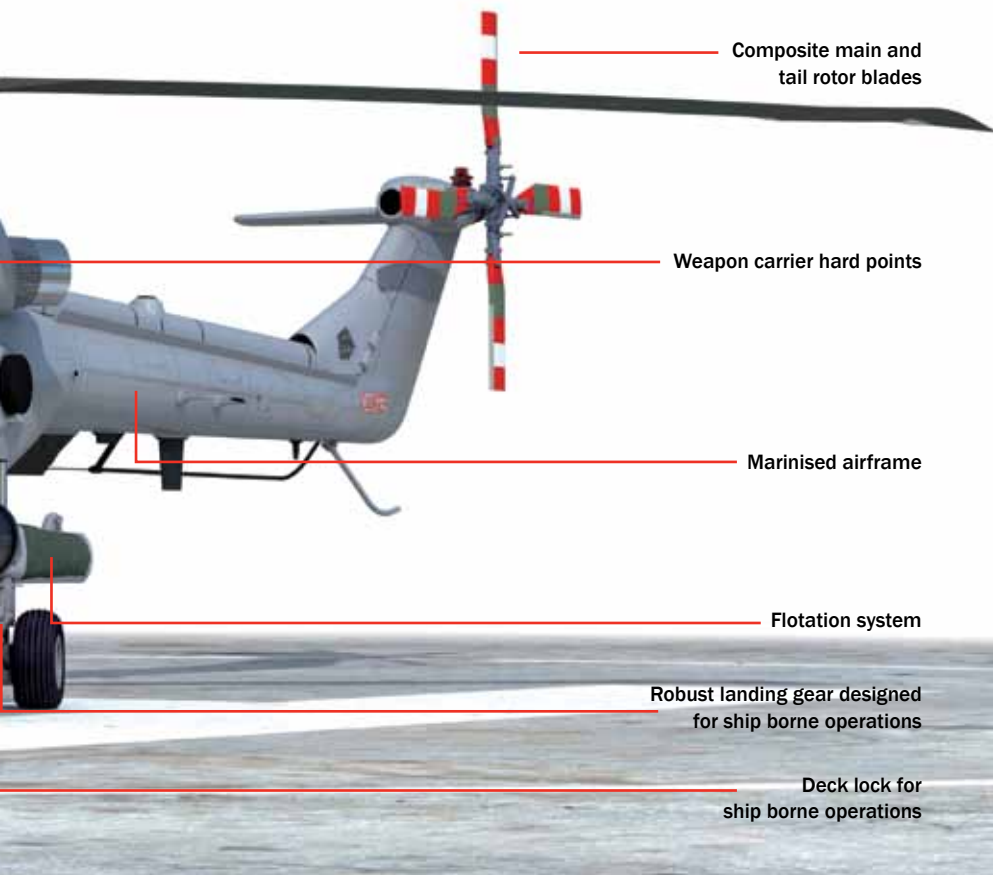
- Two 1,361 shp Turboshift engines with FADEC
- 5 tank fuel system
- Single point pressure refuel/defuel system
- Optional IR Suppression

### Crashworthiness

- 4 bag emergency flotation system

### Survivability

- Integrated Defensive Aids Suite (DAS) including Electronic Surveillance Measures (ESM), Radar Warning Receiver (RWR), Chaff and Flare,
- Missile and Laser warning (optional)
- Wire Strike Protection



#### Avionics

- Integrated glass cockpit with four 6.25" x 6.25" active matrix Liquid Crystal Display screens
- Integrated central audio warning
- Aircraft Management System with dual redundant control displays
- Embedded GPS and Inertial Navigation System
- Dual Attitude and Heading Reference System
- Air data system
- Single pilot IFR and VFR operations
- Dual Very / Ultra High Frequency radios
- High Frequency radio
- Automatic Flight Control System
- Standby flight instruments
- Very High Frequency Omni directional Range, Instrument Landing System (VOR/ILS), Distance Measuring Equipment (DME), Automatic Direction Finding (ADF)
- Deployable crash position indicator

#### Armaments

- Torpedo
- Anti Surface Warfare (ASuW) Missile
- Cabin door mounted 12.7 mm machine guns
- Cabin door mounted 7.62 mm machine guns
- Rockets
- Depth charge

#### Utility

- Fixed rescue hoist
- Search light
- Waterproof floor
- Twin stretcher Medivac
- 3 & 4 man troop seats
- Fast roping
- Abseiling
- Cargo door footstep
- 1,360 kg cargo hook
- Internal auxiliary fuel tank







## DIRECT OPERATING COSTS

The Super Lynx 300 ASW/ASuW has been designed and built to meet modern operational requirements for ease of maintenance and support. Modern engines and core avionics provide excellent value for money in terms of operating and maintenance costs.

The Super Lynx 300 ASW/ASuW benefits from an “on condition” maintenance policy with scheduled (preventative) maintenance kept to a minimum to reduce operating costs and increase aircraft availability. The Super Lynx 300 ASW/ASuW maintenance policy is based on experience gained from customer feedback and logistics analysis from over 2 million flying hours.

The maintenance policy strategy is that the fuselage, engine and avionics are predominantly maintained “on condition”. A limited range of dynamic components are subjected to overhaul at fixed intervals. Times Between Overhaul for these components are subject to continuous review and where possible extensions will be introduced.



## SERVICE PLANS

AgustaWestland has established a global infrastructure to support its existing customers; new customers will be able to take full advantage of this infrastructure in the support of the Super Lynx 300 ASW/ASuW. The AgustaWestland goal is to have all elements of the support network working together in a cohesive and effective way to support all customers, whether they are commercial, government or military.

## CUSTOMER BENEFITS

The Super Lynx 300 ASW/ASuW is the world’s leading intermediate class maritime helicopter. It provides customers with a multi-role capability to meet a wide range of mission requirements.

The Super Lynx 300 ASW/ASuW offers:

- Modern technology with integrated avionics and a comprehensive mission suite of equipment
- A marinised multi-role helicopter for the naval and littoral environments
- An agile and responsive helicopter to meet the demanding and dynamic environment of deck operations
- Exceptional hot and high performance
- Low maintenance requirements

## COMPREHENSIVE SERVICES AND TRAINING SOLUTIONS

AgustaWestland training programmes are tailored to meet the individual needs and operational requirements of the customer using established analytical processes. AgustaWestland operates primary sites that cover the full range of products and customer training requirements. These currently include Training Academies in the UK, Italy and the USA.

A comprehensive range of training media is available, ranging from complete multi-media electronic classrooms, cockpit procedure trainers, mechanical part task trainers and full mission simulators, to live flying.

## SUPER LYNX 300 CHARACTERISTICS

### Dimensions

Length overall	15.24 m	50 ft 0 in
Length overall (MRH folded)	13.33 m	43 ft 8 in
Length overall (tail folded) <sup>1</sup>	10.85 m	35 ft 7 in
Overall height	3.67 m	12 ft 0 in
Rotor diameter	12.80 m	42 ft 0 in

### Engine Ratings (2 x turbo shaft engines)

Take-off power (5 min)	2 x 1,014 kW	2 x 1,361 shp
Max continuous power	2 x 955 kW	2 x 1,280 shp
OEI 2 minute rating	1 x 1,108 kW	1 x 1,484 shp
OEI continuous rating	1 x 1,014 kW	1 x 1,361 shp

### Transmission Ratings

Max continuous power	1,392 KW	1,867 shp
Intercontingency OEI	938 KW	1,258 shp
Max contingency OEI	1,016 KW	1,363 shp

### Fuel Capacity

Standard internal fuel tanks	983 l	260 USG
Auxiliary fuel tank (2 man bench seat)	351 l	92 USG

### Weights

Max Gross Weight	5,330 kg	11,750 lb
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### Seating

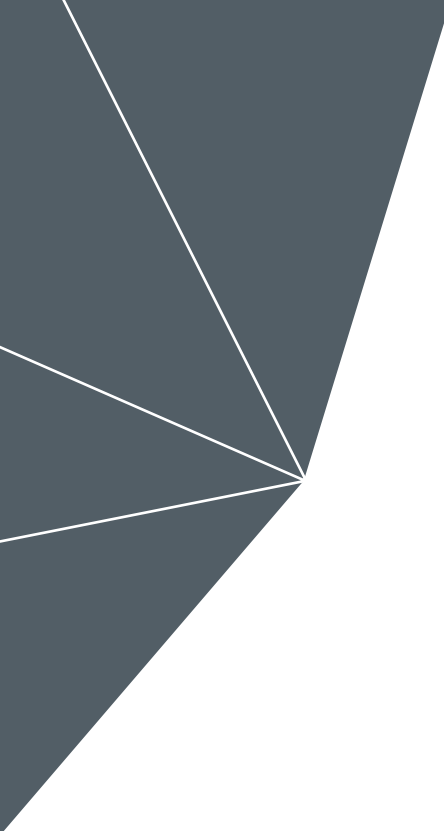
Cockpit / cabin		2 / 7
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### Performance (ISA, MGW)

VNE (SL)	244 kph	132 kt
Cruise Speed (SL – MCP)	244 kph	132 kt
Rate of climb (SL – MCP)	9.8 m/s	1,934 ft/min
Hovering IGE	>3,350 m	>11,000 ft
Hovering OGE	2,620 m	8,600 ft
Service Ceiling (pressure altitude)	3,655 m	12,000 ft
OEI max service ceiling	2,540 m	8,340 ft
Maximum range <sup>2</sup>	574 km	310 nm
Maximum endurance <sup>2</sup>		3 hours

<sup>1</sup> Tail fold, optional equipment

<sup>2</sup> No reserves - @ 6,000ft



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