

AIRBORNE OPERATIONS

AS-355 Specifications Sheet

AS-355 (now manufactured by Airbus) is a twin-engine version of the ECUREUIL family powered with 2 Turbomeco Arrius 1A engines. It benefits from the FADEC system (Full Authority Digital Engine Control) which makes piloting easier and safer. It is the most affordable twin-engine helicopter on the market.

AS-355 N is able to perform missions such as flights over water or across hostile environments by day and night. It is compliant with the JAR OPS 3 regulation requirements. More particularly, it is totally suited for police and MEDEVAC operations over large cities, aerial work and offshore support operations. It is fully IFR certified. With its single engine flight performance, the AS 355 N is able to operate from building rooftops, to work near power lines or to ensure safe harbor pilot transportation.

Performance Specifications	Imperial	Metric
Maximum Takeoff Weights	5,600 lbs	2,540 kg
Maximum External Load	n.a.	n.a.
Internal Useful Load	2,564 lbs	1,163 kg
Range (Max Fuel)	400 nmi	740 km
Range (Max Fuel & Aux Tanks)	n.a.	n.a.
Fuel Capacity	193 gallons	730 liters
Fuel Capacity (w/ Aux Tanks)	318 gallons	1,205 liters
Fuel Consumption	65.3 gallons/hour	246 liters/hour
Maximum Speed	150 knots	278 km/hour
Cruise Speed	133 knots	246 km/hour
Service Ceiling	15,100 ft	4,600 m
Dimensions		
Rotor Diameter	35 ft	10.6 m
Length with Rotos Operating	42.5 ft	12.9 m
Fuselage Length x Width x Height	35.9 x 6.1 x 9.9 ft	10.9 x 1.8 x 3 m
Internal Cabin Length x Width x Height	6,6 x 5,4 x 4,3 ft	2.0 x 1,6 x 1,3 m
Crew/Seating Capacity	1/6	
Engines		
2 Turbomeca Arrius 1A		
Takeoff Power Available	466 h.p.	
Single Engine Limit	527 h.p.	
Contingency Power	527 h.p.	

Disclaimer: Information presented herein is indicative in nature and should not be relied upon. Specifications presented are typical for the aircraft model referenced above. Actual specifications may vary depending on mission requirements.