



Eurocopter AS355N

TECHNICAL SPECIFICATIONS

Engine:

Manufacturer	Turbomeca
Model	Arrius 1A (2)

Power Ratings:

Takeoff	479 shp / 357 kw
Max Continuous	406 shp / 303 kw

Transmission Ratings:

Take off	686 shp / 512 kw
Continuous	644 shp / 480 kw

Rotor Systems:

Main Rotor Blades	3
Tail Rotor Blades	2
Main Diameter	35.07 ft / 10.69 m

Dimensions External:

Length, fuselage	35.86 ft / 10.93 m
Length, T/R turning	35.86 ft / 10.93 m
Width, fuselage	6.14 ft / 1.87 m
Width, widest point	10.00 ft / 3.05 m
Width, landing gear	7.12 ft / 2.17 m
Height, top, rotor hub	10.30 ft / 3.14 m
Height, top, tail fin	9.91 ft / 3.02 m
GR clearance, fuselage	1.28 ft / 0.39 m
GR clearance, T/R guard	2.30 ft / 0.70 m

Dimensions, Internal:

Cabin Length, max	6.56 ft / 2.00 m
Baggage Length, max	4.42 ft / 1.35 m
Cabin Width, max	5.41 ft / 1.65 m
Baggage Width, max	2.62 ft / 0.80 m
Cabin Height, max	4.26 ft / 1.30 m
Baggage Height, max	2.30 ft / 0.70 m
Cabin Volume	105.94 ft ³ / 3.00 m ³
Baggage Volume	35.29 ft ³ / 1.00 m ³

Hourly Maintenance Cost:

\$207-238

Accommodations:

Standard seating	2 + 4
High density	3 + 4

Weights:

Max gross	5732 lb / 2600 kg
Empty, std acft	3167 lb / 1437 kg
Useful load	2498 lb / 1133 kg
Useful, with full fuel	1195 lb / 542 kg
External load	2500 lb / 1134 kg
Gross with ext load	5732 lb / 2600 kg

Average Fuel Consumption:

Gallons per hour (GPH)	55-61
Liters per hour (LPH)	209-231

Range:

Max Fuel	387 nm / 717 km
Max Payload	387 nm / 717 km
Aux fuel, no reserves	638 nm / 1182 km

Endurance:

Std fuel, no reserves	4.73 hrs
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Performance:

Service ceiling	12,470 ft / 3800 m
HIGE	6560 ft / 200 m
HIGE, ISA+20ØC	4950 ft / 1400 m
HOGE	2460 ft / 750 m
HOGE, ISA+20ØC	490 ft / 150 m
ROC, oblique	1260 fpm / 384 m/min
Econ Cruise, S/L	117 kts / 217 km/hr
VNE	150 kts / 278 km/hr