



Eurocopter AS350B2

TECHNICAL SPECIFICATIONS

Engine:

Manufacturer	Turbomeca
Model	Arriel 1D1

Power Ratings:

Takeoff	732 shp / 546 kw
Max Continuous	625 shp / 466 kw

Transmission Ratings:

Take off	590 shp / 440 kw
Continuous	590 shp / 440 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	8.30 ft / 2.53 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:

\$156 - 171

Accommodations:

Standard seating	2 + 4
High density	3 + 4

Weights:

Max gross	4960 lb / 2250 kg
Empty, std acft	2561 lb / 1162 kg
Useful load	2399 lb / 1088 kg
Useful, with full fuel	1447 lb / 656 kg
External load	2557 lb / 1160 kg
Gross with ext load	5512 lb / 2500 kg

Average Fuel Consumption:

Gallons per hour (GPH)	45-50
Liters per hour (LPH)	170-188

Range:

Max Fuel	362 nm / 671 km
Max Payload	362 nm / 671 km
Aux fuel, no reserves	683 nm / 1265 km

Endurance:

Std fuel, no reserves	4.5 hrs
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Performance:

Service ceiling	15,100 ft / 4602 m
HIGE	9850 ft / 3002 m
HIGE, ISA+20ØC	7050 ft / 2149 m
HOGE	7550 ft / 2301 m
HOGE, ISA+20ØC	4270 ft / 1301 m
ROC, oblique	1607 fpm / 509 m/min
Econ Cruise, S/L	122 kts / 226 km/hr
VNE	155 kts / 287 km/hr