

TECHNICAL SPECIFICATIONS

Engine:

Manufacturer	Turbomeca
Model	Arrius 2F

Power Ratings:

Takeoff	376 kW / 504 shp
Max Continuous	335 kW / 449 shp

Rotor Systems:

Main Rotor Blades	3
Tail Rotor Blades	8
Main Diameter	10.20 m / 32.81 ft

Dimensions External:

Length, fuselage	9.60 m / 31.51 ft
Length, T/R turning	9.60 m / 31.51 ft
Width, fuselage	1.50 m / 4.92 ft
Width, widest point	2.60 m / 8.53 ft
Width, landing gear	2.07 m / 6.70 ft
Height, top, rotor hub	3.08 m / 10.10 ft
Height, top, tail fin	3.40 m / 11.15 ft
Height, top, T/R arc	3.40 m / 11.15 ft
Gr clearance, fuselage	0.56 m / 1.83 ft
GR clearance, T/R guard	0.63 m / 2.06 ft

Dimensions, Internal:

Cabin Length, max	2.30 m / 7.54 ft
Baggage Length, max	1.31 m / 4.29 ft
Cabin Width, max	1.35 m / 4.42 ft
Baggage Width, max	0.72 m / 2.36 ft
Cabin Height, max	1.25 m / 4.10 ft
Baggage Height, max	1.02 m / 3.34 ft
Cabin Volume	3.88 m ³ / 136.63 ft ³
Baggage Volume	0.96 m ³ / 33.81 ft ³

Eurocopter EC120B

Accommodations:

Standard seating	1 + 4
High density	2 + 3

Weights:

Max gross	1725 kg / 3780 lb
Empty, std acft	960 kg / 2116 lb
Useful load	755 kg / 1665 lb
Useful, with full fuel	430 kg / 948 lb
External load	700 kg / 1543 lb
Gross with ext load	1800 kg / 3968 lb

Range:

Max Fuel	732 km / 395 nm
Aux fuel, no reserves	771 km / 416 nm

Fuel Capacity:

Volume Standard Tank	412 liters / 109 gallons
Volume Aux or Ferry Tank 1	63 kg / 139 lb

Performance:

Service ceiling	6096 m / 20,000 ft
HIGE	3048 m / 10,000 ft
HIGE, ISA+20ØC	1372 m / 4500 ft
HOGE	2530 m / 8300 ft
HOGE, ISA+20ØC	762 m / 2500 ft
ROC, oblique	404 m/min / 1325 fpm
ROC, vertical	450 m/min / 1475 fpm
Econ Cruise, S/L	191 km/hr / 103 kts
VNE	278 km/hr / 150 kts