

# McDonnell Douglas MD 530F

## TECHNICAL SPECIFICATIONS

### Engine:

Manufacturer	Rolls Royce
Model	250 C30P

### Power Ratings:

Takeoff	650 shp / 485 kw
Max Continuous	375 shp / 280 kw

### Transmission Ratings:

Take off	425 shp / 317 kw
Continuous	375 shp / 280 kw

### Rotor Systems:

Main Rotor Blades	5
Tail Rotor Blades	2
Main Diameter	27.35 ft / 8.34 m

### Dimensions External:

Length, fuselage	23.03 ft / 7.03 m
Length, T/R turning	25.46 ft / 7.76 m
Length, M/R turning	No data available
Width, fuselage	4.57 ft / 1.39 m
Width, widest point	6.45 ft / 1.97 m
Width, landing gear	6.45 ft / 1.97 m
Height, top, rotor hub	8.60 ft / 2.62 m
Height, top, tail fin	8.10 ft / 2.47 m
GR clearance, fuselage	1.15 ft / 0.35 m
GR clearance, T/R guard	1.30 ft / 0.40 m

### Dimensions, Internal:

Cabin Length, max	9.08 ft / 2.77 m
Cabin Width, max	4.30 ft / 1.37 m
Cabin Height, max	5.00 ft / 1.52 m
Cabin Volume	42.0 ft <sup>3</sup> / 1.19 m <sup>3</sup>
Baggage Volume	8.00 ft <sup>3</sup> / .023 m <sup>3</sup>

### Hourly Maintenance Cost:

\$149 - 167

### Accommodations:

Standard seating	3 + 2
High density	3 + 4

### Weights:

Max gross	3100 lb / 1406 kg
Empty, std acft	1591 lb / 722 kg
Useful load	1509 lb / 722 kg
Useful, with full fuel	1107 lb / 503 kg
External load	2000 lb / 907 kg
Gross with ext load	3750 lb / 1701 kg

### Average Fuel Consumption:

Gallons per hour (GPH)	31-35
Liters per hour (LPH)	119-131

### Range:

Max Fuel	267 nm / 495 km
Max Payload	197 nm / 365 km
Aux fuel, no reserves	722 nm / 1337 km
Endurance, Std Fuel, no reserves	2.0 hrs

### Performance:

Service ceiling	18,700 ft / 5700 m
HIGE	16,700 ft / 4877 m
HIGE, ISA+20°C	14,300 ft / 4359 m
HOGF	14,400 ft / 4389 m
HOGF, ISA+20°C	11,600 ft / 3536 m
ROC, oblique	2069 fpm / 631 m/min
Econ Cruise, S/L	130 kts / 241 km/hr
VNE	175 kts / 324 km/hr