

MD520N®

DIRECT OPERATING COST ESTIMATES

14.0 MD 520N® Estimated Direct Operating Cost per Hour (Based upon year 2008US \$)

	C20R+ Engine
Fuel and Lubricants¹:	
Fuel @ \$5.80* per gallon @ approx 32 gallons per hour.	\$ 185.60
Lubricants @ 3% of fuel	\$ 5.57
Total Fuel	<u>\$ 191.16</u>
Airframe Maintenance and Spares²:	
Maintenance labor costs:	
Scheduled (.15 Manhours/Flight Hours) @ \$75.00/Hour*	\$ 11.25
Unscheduled (.26 Manhours/Flight Hours) @ \$75.00/Hour*	\$ 19.50
	<u>\$ 30.75</u>
Spares Cost:	
Scheduled (Inspection) Parts: Used during periodic inspection i.e. filters, seals, o-rings, etc.....	\$ 5.78
On-Condition/Unscheduled Part	\$ 20.11
Reserves: Component Overhaul (TBO)	\$ 44.91
Reserves: Limited-Life Parts	\$ 40.80
Total Airframe Cost	<u>\$ 111.60</u>
Engine³:	
Scheduled maintenance labor and parts.....	\$ 3.00
Reserve for engine overhaul, spares and accessories	\$ 66.76
Total Engine	<u>\$ 69.76</u>
Total Direct Operating Cost ⁴	<u>\$403.27</u>

¹ Fuel cost and labor rate* is based on U.S. Average

Average cost while operating under the following conditions:
 Gross Weight: 10% less than maximum certified
 Speed: Maximum Range Speed, 117 KIAS306.14
 Altitude: 1,000 feet on a standard day

² Overhaul costs are based on participation in factory exchange program

³ Engine fleet maintenance costs provided by Rolls-Royce Engine Company

⁴ Indirect costs such as insurance, hangar, salary, etc., are excluded

Cost figures shown are extrapolated from a broad database and are intended for example purposes only. Actual costs will vary, depending on local operating condition, pricing and supplier practices. We encourage you to compare these figures with other manufacturers, using the same unit costs for fuel, labor, etc.

MD520N[®]

DIRECT OPERATING COST ESTIMATES

14.1 MD 520N[®] Direct Operating Cost per Hour Worksheet

■ Fuel and Lubricants

Fuel @ \$ per gallon @ approx. gallons per hour.....	\$ _____
Lubricants @ _____ % of fuel	\$ _____
Total Fuel and Lubricants Cost.....	\$ _____ (A)

■ Airframe Maintenance and Spares

Scheduled maintenance labor rate @ \$ _____ per hour	
(Maintenance man-hour/flight hour=\$ _____).....	\$ _____
Unscheduled maintenance labor rate @ \$ _____ per hour	
(Maintenance man-hour/flight hour=\$ _____)	\$ _____
Scheduled (Inspection) Parts	\$ _____
On-Condition/Unscheduled Part	\$ _____
Reserves: Component Overhaul (TBO)	\$ _____
Reserves: Limited-Life Parts	\$ _____
Total Airframe Maintenance and Spares Cost.....	\$ _____ (B)

■ Engine

Scheduled maintenance labor rate @ \$ _____ per hour	
(Maintenance man-hour/flight hour=\$ _____)	\$ _____
Unscheduled maintenance labor rate @ \$ _____ per hour	
(Maintenance man-hour/flight hour=\$ _____)	\$ _____
Reserves for engine overhaul and spares	\$ _____
Total Engine Cost	\$ _____ (C)
TOTAL DIRECT OPERATING COST (A+B+C)	\$ _____ (D)

FIXED OPERATING COST

■ Depreciation

Hull insurance	\$ _____
Liability insurance	\$ _____
Pilot salary	\$ _____
Hangar rental	\$ _____
Total Annual Fixed Operating Cost	\$ _____ (E)
Total Hours (_____) flown annually (F)	\$ _____ (F)
TOTAL FIXED OPERATING COST PER HOUR (E+F)	\$ _____ (G)
Total Direct Operating Cost Per Hour (from above)	\$ _____ (D)
TOTAL HOURLY FIXED OPERATING COST (D+G).....	\$ _____