

MD EXPLORER®

DIRECT OPERATING COST ESTIMATES

8.0 DIRECT OPERATING COST ESTIMATES.

MD EXPLORER (Model 902) **Estimated Direct Operating Cost Per Hour** *(Based Upon Year 2008 \$US)*

P&WC 207E Engine

Fuel and Lubricants¹

Fuel @ \$5.80* per gallon @ approx. 65 gallons/hour	\$377.00	
Lubricants @ 3% of fuel	\$11.31	
		<u>\$388.31</u>

Airframe Maintenance and Spares²

<u>Maintenance Labor Costs</u>		
Scheduled (.22 Manhour/Flight Hour) @ \$75.00/Hour*	\$16.50	
Unscheduled (.16 Manhour/Flight Hour) @ 75.00/Hour*	\$12.00	
		<u>\$28.50</u>

<u>Spares Costs</u>		
Scheduled (Inspection) Parts: Used during Periodic Inspection i.e., filters, seals, o-rings, etc.	\$9.05	
On-Condition/Replacement/Unscheduled Parts	\$38.50	
Reserves: Component Overhaul (TBO)	\$61.47	
Reserves: Life Limited Parts	\$68.78	
		<u>\$177.80</u>

Engine³

Scheduled Maintenance Labor	\$11.14	
Reserve for engine overhaul, spares and accessories	\$112.54	
Reserve for unscheduled maintenance	\$13.72	
		<u>\$137.40</u>

Total Direct Operating Cost⁴ **\$732.01**

¹ Fuel Cost and labor rate* is based on Conklin & deDecker, "The Aircraft Cost Evaluator", Fall 2006
Average cost while operating under the following conditions:
Gross Weight: 10% less than maximum certified
Speed: Maximum Range Speed, 118 KIAS
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 Pratt & Whitney Canada @ 1 cycle per hour

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 conditions, pricing and supplier practices. We encourage you to compare these figures with other manufacturers', using the same unit costs for fuel, labor, etc.

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8.1. Direct Operating Cost 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)	\$ _____