

Aircraft Operation Cost 1980 CESSNA 421C T-GEAR

AIRCRAFT SPECIFICATIONS			
HP or lbs Thrust each Engine	375	Max Speed MPH	296
Recommended Cruise MPH	274	Stall Dirty MPH	85
Fuel gal/lbs Standard	213	Fuel gal/lbs Optional	270
All Engine Service Ceiling	30,200	Engine Out Service Ceiling	14,900
All Engine Rate of Climb	1,940	Engine Out Rate of Climb	350
Takeoff over 50ft	2,323	Takeoff Ground Run	1,786
Landing over 50ft	2,293	Landing Ground Run	720
Gross Weight lbs	7,450	Empty Weight lbs	5,048
Length ft/in	36/5	Height ft/in	12/11
Wing Span ft/in	41/1	Range Standard Miles	1,377
Approx Useful Load (full of fuel)			

(Per Hour Estimates Based on 150 Hours of Use Per Year)

ACQUISITION EXPENSES (based on 3 year ownership)	
Purchase Price of Aircraft	\$289,000.00
Estimated Resale Value	\$250,000.00
Refurbishment Cost (Paint and Interior)	\$25,000.00
TOTAL Per Hour ASSET Expense	\$142.22

FIXED ANNUAL EXPENSES	
Hangar Rental (\$400 per month for 12 Months)	\$4,800.00
Insurance - Hull	\$7,000.00
Insurance - Liability	\$2,500.00
Flight Crew - Pilot	\$60,000.00
Copilot	
Recurrent Pilot Training	\$4,000.00
TOTAL Per Hour FIXED Expense	\$522.00

VARIABLE COSTS (per hour)	
Fuel (40 gallon per hour at \$5 per gallon)	\$200.00
Inspection and Maintenance (\$18000 per year divided by 150)	\$120.00
Engine Overhaul and Reserves ((\$75000 times 2) divided by 1600)	\$93.75
Propeller Overhaul ((\$3000 times 2) divided by 2000)	\$3.00
Avionics Maintenance	\$10.00
TOTAL Per Hour VARIABLE Expense	\$426.75

TOTAL OPERATIONAL COST PER HOUR	\$1,090.97
TOTAL MILES PER YEAR (245 miles per hour)	36,750
OPERATIONAL COST PER MILE	\$4.45
OPERATIONAL COST PER SEAT PER HOUR (7 seats)	\$155.85
OPERATIONAL COST PER SEAT PER MILE (7 seats)	\$0.64

REMARKS