

2006 S76C+ Economics

HOURLY DIRECT OPERATING COSTS

Fuel (\$3.99/gal)	\$351.12
Maintenance labor (\$95/hour)	\$274.06
Parts, airframe, engine, avionics	\$278.58
Inspections, component overhauls, life limited parts	\$290.69
Engine restoration	\$413.26
Landing and parking fees	\$14.00
Crew expenses	\$23.37
Supplies and catering	\$8.46
Total	\$1,653.54

ANNUAL FIXED OPERATING COSTS

Crew salaries (est.)	Captain	\$129,000.00
	Copilot	\$67,600.00
	Benefits	\$58,980.00
Hangar rental (typical)		\$6,800.00
Insurance (insured hull value, \$4.6 million)	Hull 2.5% of value)	\$115,000.00
	Single-limit liability	\$22,000.00
Recurrent crew training		\$38,600.00
Aircraft modernization (avg. per year)		\$52,500.00
Navigational chart service		\$1,626.00
Refurbishing		\$12,600.00
Computer maintenance program		\$3,700.00
Aviation weather service (typical)		\$700.00
Total		\$509,106.00

TOTAL ANNUAL COSTS

Without depreciation	Variable costs	\$568,818.00
	Fixed operating costs	\$509,106.00
	Total	\$1,077,924.00
	Per flight hour	\$3,133.50
	Per nautical mile	\$23.95
	Per seat nautical mile	\$3.99
	Per seat nautical mile	\$3.99
With book depreciation (10%)	Variable costs	\$568,818.00
	Fixed operating costs	\$509,106.00
	Depreciation (10%)	\$220,000
	Total	\$1,297,924.00
	Per hour	\$3,773.03
	Per nautical mile	\$28.84
	Per seat nautical mile	\$4.81
With market depreciation	Variable costs	\$568,818.00
	Fixed operating costs	\$509,106.00
	Depreciation	\$110,000.00

Total	\$1,187,924.00
Per hour	\$3,453.27
Per nautical mile	\$26.40
Per seat nautical mile	\$4.40

Assumptions	
Annual hours	344
Annual nautical miles	45,000
Seats	6

Source: Conklin & de Decker, Orleans, Mass.

2006 S76C+ Specifications

CABIN

Height	4.5 ft
Width	6.25 ft
Length	8.75 ft
Volume	205 ft
Door height	4.33 ft
Door width	3.13 ft
Seats	2/6

BAGGAGE

External	38
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WEIGHTS

Maximum takeoff	11,700 lb
Basic operating	8,450 lb
Usable fuel	1,883 lb
Payload—full fuel	1,367 lb
Payload—maximum	3,250 lb

2006 S76C+ Performance

RANGE (30 min reserve)

Seats full	336 nm
Ferry range (no pax)	358 nm

TAKEOFF & LANDING

Rate of climb	1,625 ft/min
Rate of climb (one engine out)	320 ft/min

SPEEDS

Maximum	155 kt
Long range	138 kt

CEILINGS

Service at MTOW	12,700 ft
Service (one engine out)	3,750 ft

Source: Conklin & de Decker, Orleans, Mass.