

Boeing VIP B767-200ER VIP

Detailed specifications and performance data as well as a report on all hourly and annual fixed and variable expenses

HOURLY DIRECT OPERATING COSTS		
Fuel (\$6.58/gal)		\$10,212.16
Maintenance labor (\$95/hour)		\$797.05
Parts, airframe, engine, avionics		\$251.75
Inspections, component overhauls, life limited parts		\$741.67
Engine restoration		\$787.66
APU overhaul		\$61.65
Landing and parking fees		\$442.42
Crew expenses		\$295.23
Supplies and catering		\$155.75
Total		\$13,745.34
ANNUAL FIXED OPERATING COSTS		
Crew salaries (est.)	Captain	\$162,000.00
	Copilot	\$92,000.00
	Cabin attendant	\$103,000.00
	Benefits	\$107,100.00
Hangar rental (typical)		\$190,000.00
Insurance (insured hull value, \$23.1 million)	Hull (0.15% of value)	\$34,650.00
	Single-limit liability	\$12,500.00
Recurrent crew training		\$104,000.00
Aircraft modernization (avg. per year)		\$75,000.00
Navigational chart service		\$15,205.00
Refurbishing		\$189,525.00
Computer maintenance program		\$17,250.00
Aviation weather service (typical)		\$700.00
Total		\$1,102,930.00
TOTAL ANNUAL COSTS		
Without depreciation	Hourly costs	\$5,869,260.18
	Fixed operating costs	\$1,102,930.00
	Total	\$6,972,190.18
	Per flight hour	\$16,328.31
	Per nautical mile	\$39.84
With book depreciation (10%)	Hourly costs	\$5,869,260.18
	Fixed operating costs	\$1,102,930.00
	Depreciation (10%)	\$2,310,000
	Total	\$9,282,190.18
	Per hour	\$21,738.15
With market depreciation	Hourly costs	\$5,869,260.18
	Fixed operating costs	\$1,102,930.00
	Depreciation	\$924,000.00
	Total	\$7,896,190.18
	Per hour	\$18,492.25
	Per nautical mile	\$45.12
	Per seat nautical mile	\$2.37
ASSUMPTIONS		
Annual hours		427
Annual nautical miles		175,000
Seats		19
SPECIFICATIONS		
CABIN		
Height		9.4 ft
Width		15.5 ft
Length		111.3 ft
Volume		15,121 cu ft
Door height		6.1 ft
Door width		3.5 ft
Seats		2/19
BAGGAGE		
Internal		250 cu ft
External		3,930 cu ft
WEIGHTS		
Maximum takeoff		387,000 lb
Maximum landing		285,000 lb
Basic operating		201,600 lb
Usable fuel		161,135 lb
Payload—full fuel		24,265 lb
Payload—maximum		58,400 lb
PERFORMANCE		
RANGE (IFR NBAA 200 nm reserve)		
Seats full		7,280 nm
Ferry range (no pax)		7,540 nm
TAKEOFF & LANDING		
Balanced field length		9,400 ft
Landing field length		4,900 ft
Rate of climb		4,345 ft/min
Rate of climb (one engine out)		680 ft/min
SPEED		
Normal		459 kt
CEILINGS		
Certified maximum		43,000 ft
Service at MTOW		35,400 ft
Service (one engine out)		24,200 ft
<i>Source: Conklin & de Decker, Orleans, Mass.</i>		