

Cost Benefit Analysis

In order to make a true comparison figures are conservative, representative and measured under comparable situations Northern Jet Sales is able to present a comprehensive cost analysis of 2,3,4 or 5 aircraft per spreadsheet and help you find the plane that best suits your needs!! Below is a sample worksheet, We can adapt to your needs.

Make	CESSNA	CHEYENNE	CITATION	CITATION	KING AIR	MITSUBISHI
Model	421C	II	CJ1	CJ3	B200	MARQUISE
Serial Number	ORIGINAL	ORIGINAL	ORIGINAL	ORIGINAL	ORIGINAL	ORIGINAL
DIRECT COSTS/HOUR						
Fuel	\$270.00	\$360.00	\$580.00	\$780.00	\$530.00	\$410.00
Cost/Gallon	\$6.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
Additive/Gallon	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Burn/Hour	45	72	116	156	106	82
Maintenance	\$237.37	\$246.37	\$251.63	\$251.63	\$246.37	\$246.37
Labor/Hour	\$186.37	\$186.37	\$191.63	\$191.63	\$186.37	\$186.37
Parts/Hour	\$51.00	\$60.00	\$60.00	\$60.00	\$60.00	\$60.00
Engine Overhaul	\$27.56	\$88.05	\$105.03	\$110.00	\$136.39	\$57.48
Thrust Reverse Overhaul	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Misc. Flight Expenses	\$5.00	\$5.00	\$6.00	\$6.00	\$5.00	\$5.00
Landing/Parking Fee	\$4.50	\$4.50	\$6.00	\$6.00	\$4.50	\$4.50
Crew Expenses	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Supplies/Catering	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Direct Cost	\$516.87	\$615.87	\$843.63	\$1,043.63	\$785.87	\$665.87
Block Speed Statute Miles/Hour	230	235	387	432	309	295
Total Cost/Statute Mile	\$2.25	\$2.62	\$2.18	\$2.42	\$2.54	\$2.26
ANNUAL FIXED COSTS						
Crew Salaries	\$42,225.00	\$113,449.00	\$87,714.00	\$159,714.00	\$133,975.00	\$67,808.00
Capt. Salary	\$32,000.00	\$48,000.00	\$62,000.00	\$72,000.00	\$56,000.00	\$47,000.00
Co-pilot Salary	\$0.00	\$45,000.00	\$0.00	\$62,000.00	\$54,000.00	\$0.00
Benefits	\$10,225.00	\$20,449.00	\$25,714.00	\$25,714.00	\$23,975.00	\$20,808.00
Hangar Cost	\$7,250.00	\$7,250.00	\$28,000.00	\$2,800.00	\$8,250.00	\$8,250.00
Insurance	\$7,918.00	\$9,850.00	\$40,750.00	\$57,664.00	\$18,769.00	\$11,457.00
Hull	\$3,043.00	\$4,975.00	\$26,250.00	\$43,164.00	\$13,894.00	\$6,657.00
Legal Liability	\$4,875.00	\$4,875.00	\$14,500.00	\$14,500.00	\$4,875.00	\$4,800.00
Misc. Overhead	\$13,338.00	\$16,552.00	\$16,446.00	\$24,939.00	\$21,659.00	\$11,239.00

Training	\$7,938.00	\$10,474.00	\$6,499.00	\$14,992.00	\$13,091.00	\$5,161.00
Modernization	\$4,300.00	\$4,978.00	\$7,747.00	\$7,747.00	\$7,468.00	\$4,978.00
Nav. Equipment	\$1,100.00	\$1,100.00	\$2,200.00	\$2,200.00	\$1,100.00	\$1,100.00
Depreciation	\$10,566.00	\$17,276.00	\$91,146.00	\$149,875.00	\$48,243.00	\$23,114.00
Total Fixed Cost	\$81,297.00	\$164,377.00	\$264,056.00	\$394,992.00	\$230,896.00	\$121,868.00
ANNUAL BUDGET						
Number of Seats	6	6	6	8	8	7
Miles	100,000	135,000	200,000	200,000	135,000	135,000
Hours	435	574	517	463	437	458
Total Direct Costs	\$224,838.45	\$353,509.38	\$436,156.71	\$483,200.69	\$343,425.19	\$304,968.46
Total Fixed Costs	\$81,297.00	\$164,377.00	\$264,056.00	\$394,992.00	\$230,896.00	\$121,868.00
Total Cost (Fixed & Direct)	\$306,135.45	\$517,886.38	\$700,212.71	\$878,192.69	\$574,321.19	\$426,836.46
Cost/Hour	\$703.76	\$902.24	\$1,354.38	\$1,896.74	\$1,314.24	\$931.96
Cost/Statute Mile	\$3.06	\$3.84	\$3.50	\$4.39	\$4.25	\$3.16
Total Cost (No Depreciation)	\$295,569.45	\$500,610.38	\$609,066.71	\$728,317.69	\$526,078.19	\$403,722.46
Cost/Hour	\$567.11	\$803.79	\$1,031.99	\$1,348.36	\$1,111.27	\$881.49
Cost/Statute Mile	\$2.47	\$3.42	\$2.67	\$3.12	\$3.60	\$2.99

Contact Us to determine the best aircraft for your missions!