

Adding GA-FDM Can Provide Lower Cost per Flight Hour for Cirrus Owners

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v7

Total Cost of Ownership Calculator			Cirrus SR-22, with GA-FDM (Leased Eqpt)																								
Cirrus Shared Ownership																											
This chart has been modified from the original Cirrus Design document, to explore relative costs and benefits from GA-FDM. Acquisition and Operating cost estimates were provided by Cirrus at the time of release, and may not be the most current.																											
Partnership Info																											
airplane type & configuration	SR22-GTS	Original Cirrus Model	\$ 448,685	Cirrus with GA-FDM	\$ 448,685																						
# of partners	4																										
No Added Cost for GA-FDM (see 'leased' line)																											
Hourly Operating Costs																											
		Hours		Hours																							
fuel (\$/gal)	\$ 5.99		\$ 114.59		\$ 98.14																						
oil (\$/quart)	\$ 5.00		\$ 0.50		\$ 0.50																						
maintenance (\$/shop hour)	\$ 75.00	10	\$ 7.50	12	\$ 6.25																						
engine & prop reserves	\$ 33,000	2,000	\$ 16.50	2,500	\$ 13.20																						
Total Hourly Operating Cost			\$ 139.09		\$ 118.09																						
estimate (SR22 = 19.1 GPH; SR20 = 12 GPH cruise flight, FDM est'd 14% avg savings) estimate (1 quart per 10 flight hours @ \$5/quart) estimate (1 hour Mx per 12 flight hours, improved by GA-FDM) estimate (SR22 = \$33,000; SR20 = \$28,000 overhaul @ 2,500 hour TBO - low ROM TBO improvement due to GA-FDM; actual improvement may be higher, subject to FAA approval (ref: R. Wilkinson, formerly TCM))																											
Annual Fixed Costs																											
		Basis		Basis																							
tiedown	\$ 600		\$ 600		\$ 600																						
database subscriptions	\$ 1,550		\$ 1,550	\$ 1,518	\$ 3,068																						
GA-FDM equipment lease				quote	\$ 2,727																						
annual inspection	\$ 2,000	20	\$ 2,000	16	\$ 1,700																						
insurance	\$ 6,100	100%	\$ 6,100	85%	\$ 5,185																						
Total Annual Fixed Costs			\$ 10,250		\$ 13,280																						
estimate (\$50/month) estimate for GPS, MFD and Cmax databases & XM WX, plus GA-FDM Gold AND Sprint lease cost for GA-FDM eqpt, 36 months (includes Broadband and install labor) estimate (16 hours @ \$75/hr + \$500 incidental - maint data saves est'd 4 hrs diagnostics) estimate (SR22 @ 500+ hour IFR = \$6,100; SR20 @ 100 hour PPL = \$3500) (estimated 15% savings from GA-FDM)																											
Financing																											
down payment	20%																										
interest rate	6.75%																										
term (years)	15																										
Monthly Payment			\$ 3,176		\$ 3,176																						
Total Cost of Ownership																											
	Total		Per Partner		Per Partner																						
upfront investment	\$ 89,737		\$ 22,434		\$ 22,434																						
monthly fixed expenses	\$ 4,031		\$ 1,008		\$ 1,071																						
hourly operating cost	\$ 139		\$ 139		\$ 118																						
Resale Value																											
Estimated Re-Sale Value at 1,000 hours		(estimated without GA-FDM)	\$ 310,000	Basis 5%	(estimated with GA-FDM)																						
					\$ 325,500																						
<table border="1"> <thead> <tr> <th colspan="2">Net Cost (Or Savings) of GA-FDM Per Partner</th> </tr> </thead> <tbody> <tr> <td>\$</td> <td>-</td> </tr> <tr> <td>\$</td> <td>63.13</td> </tr> <tr> <td></td> <td>-\$21.00</td> </tr> <tr> <td></td> <td>-\$147</td> </tr> <tr> <td></td> <td>-\$1,763</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">Net Cost (Or Savings) of GA-FDM Per Aircraft</th> </tr> </thead> <tbody> <tr> <td></td> <td>-\$588</td> </tr> <tr> <td></td> <td>-\$7,051</td> </tr> <tr> <td></td> <td>-\$35,253</td> </tr> <tr> <td></td> <td>\$15,500</td> </tr> </tbody> </table>						Net Cost (Or Savings) of GA-FDM Per Partner		\$	-	\$	63.13		-\$21.00		-\$147		-\$1,763	Net Cost (Or Savings) of GA-FDM Per Aircraft			-\$588		-\$7,051		-\$35,253		\$15,500
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<p>Upfront investment - No Change</p> <p>Fixed monthly costs increase by small amount</p> <p>Results in Lower Operating Cost (per Hour)</p> <p>Net Lower Monthly Cost, 10 hrs/month/pilot</p> <p>Net Lower Annual Cost, 10 hrs/month/pilot</p> <p>Net Monthly Cost per Aircraft (40 hrs/month)</p> <p>Net Annual Cost, operating 40 hrs/month</p> <p>Net Five-year Cost, operating 40 hrs/month</p> <p>Increased Resale Value, from GA-FDM pedigree</p>																											
GA-FDM provides complete reports of aircraft usage, exceedances, and other factors to provide Buyer with knowledge on prior use and wear																											
<p>This worksheet was originally prepared as a service by your Cirrus Regional Team. Assumption fields are highlighted in yellow, and we strongly recommend you adapt the assumptions to your particular circumstances, as costs can vary significantly (e.g., different insurance rates depending on location and pilot qualifications; different fuel prices, maintenance labor rates, tie-down or hangaring costs) and as you are the sole judge of your tax situation. Consult with your accountant on how an aircraft purchase will impact your personal financial situation. Cirrus Design and GA-FDM cannot accept any responsibility for the accuracy of these materials, including, but not limited to, the formulas contained herein and any and all of the assumptions made.</p> <p>Net Result: With ALL of the GA-FDM costs and subscriptions included, including Sprint Broadband, a group of 4 pilots operating a shared SR22-GTS with GA-FDM Gold could expect to save \$147 per month per pilot from the benefits achieved through using GA-FDM (10 hrs each or 40 hrs airframe). That's \$1763 per pilot per year savings. \$7,051 per aircraft per year. \$35,253 saved during the 5-year ownership period. Plus added savings from maintenance, operations, safety and training (MOST) benefits.</p>																											