

# N2702L

## 1981 Cessna 414A Ram IV

---

# Cost of Ownership

**Aircraft S/N: 414A-0608**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*



**JSSI | CONKLIN &  
DE DECKER**

# Aircraft Operating Cost and Performance Guide



**Cessna 414A**

July 29, 2022



RidgeAire, Inc.

© 2022 Conklin & de Decker Associates, Inc  
167 N Green St, Suite 1300  
Chicago, IL 60607

[conklindedecker.jetssupport.com](http://conklindedecker.jetssupport.com)

Data version: V 22.1.0

# Cessna 414A



RANGE:  
**844 nm**



SPEED:  
**235 kts**



PASSENGERS:  
**7 people**



ACQUISITION COST:	ANNUAL COST:	VARIABLE COST:	FIXED COST:
<b>\$325,000</b>	<b>\$285,195</b>	<b>\$580/hr</b>	<b>\$128,015</b>
MAX PAYLOAD:	1,769 lb	ENGINES:	Continental Con TSIO-520-NB 2
TOTAL CABIN VOLUME:	142 cu ft	AVIONICS:	—
WINGSPAN:	44.1 ft	APU:	—
PRODUCTION:	1978 - 1985	PRODUCED / IN SERVICE:	1212
SERIAL NUMBERS:	414A-0001 through 414A-1212	MEETS STAGE 3 NOISE LEVELS:	Yes
IFR CERTIFIED:	Yes	REGULATORY CERTIFICATION:	1977 (STC) original type certificate issued in 1964 for CE 411
CERTIFICATION BASIS:	CAR 3		

## Assumptions

ANNUAL UTILIZATION (DISTANCE):	45,000 nm	FUEL PRICE (AVGAS):	\$6.05/gal
ANNUAL UTILIZATION (HOURS):	271 hrs	LABOR COST:	\$87/hr
AVERAGE SPEED (STANDARD TRIP):	166 kts	AVERAGE LENGTH (STANDARD TRIP):	200 nm

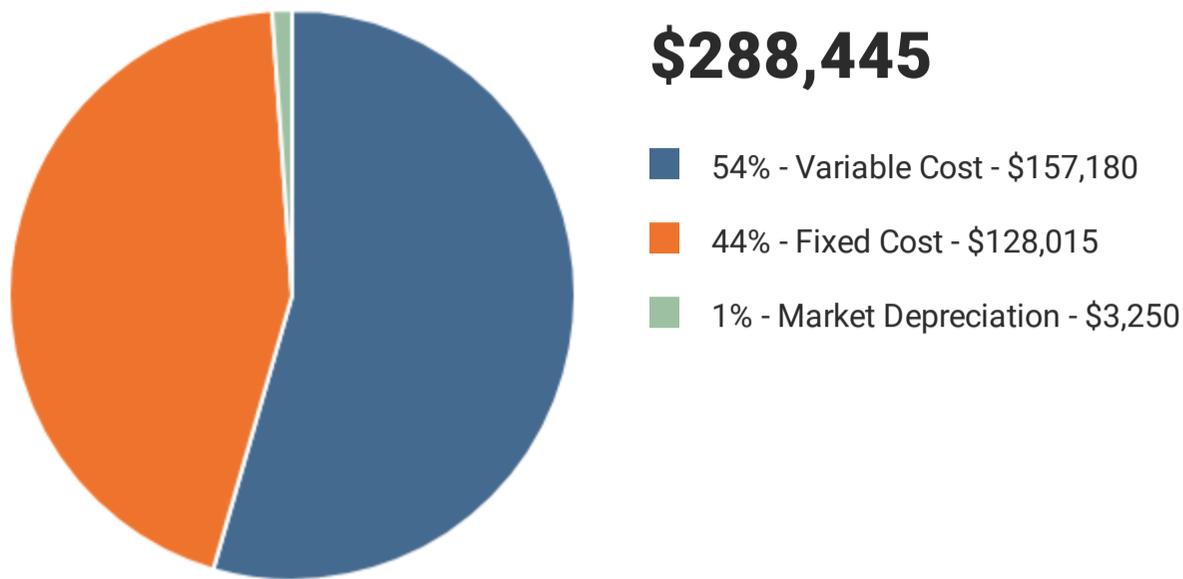
The Cessna 414 is a pressurized 401. It sits in size and performance between the pressurized 340 and 421. Cessna built 1,070 of the 414/414A between 1978 and 1985. The difference between the 414 and the 414A is the 414s have tip tanks and a short nose while the 414A is longer, has sealed wings, and has the longer nose from the 421. Two 310 hp Continentals power the 414 series.

The Cessna 414 typically seats seven in executive configuration, or 10 in commuter seating configuration. The 414 is for people who like the carrying capability of a Cessna 401, but need the added flexibility and comfort of pressurization. For those who do not need the cabin class size of the 414, the smaller, pressurized Cessna 340 is a lower cost alternative.

In Production: (1978-1985)

# 1. Cost

## Total Annual Cost With Market Depreciation

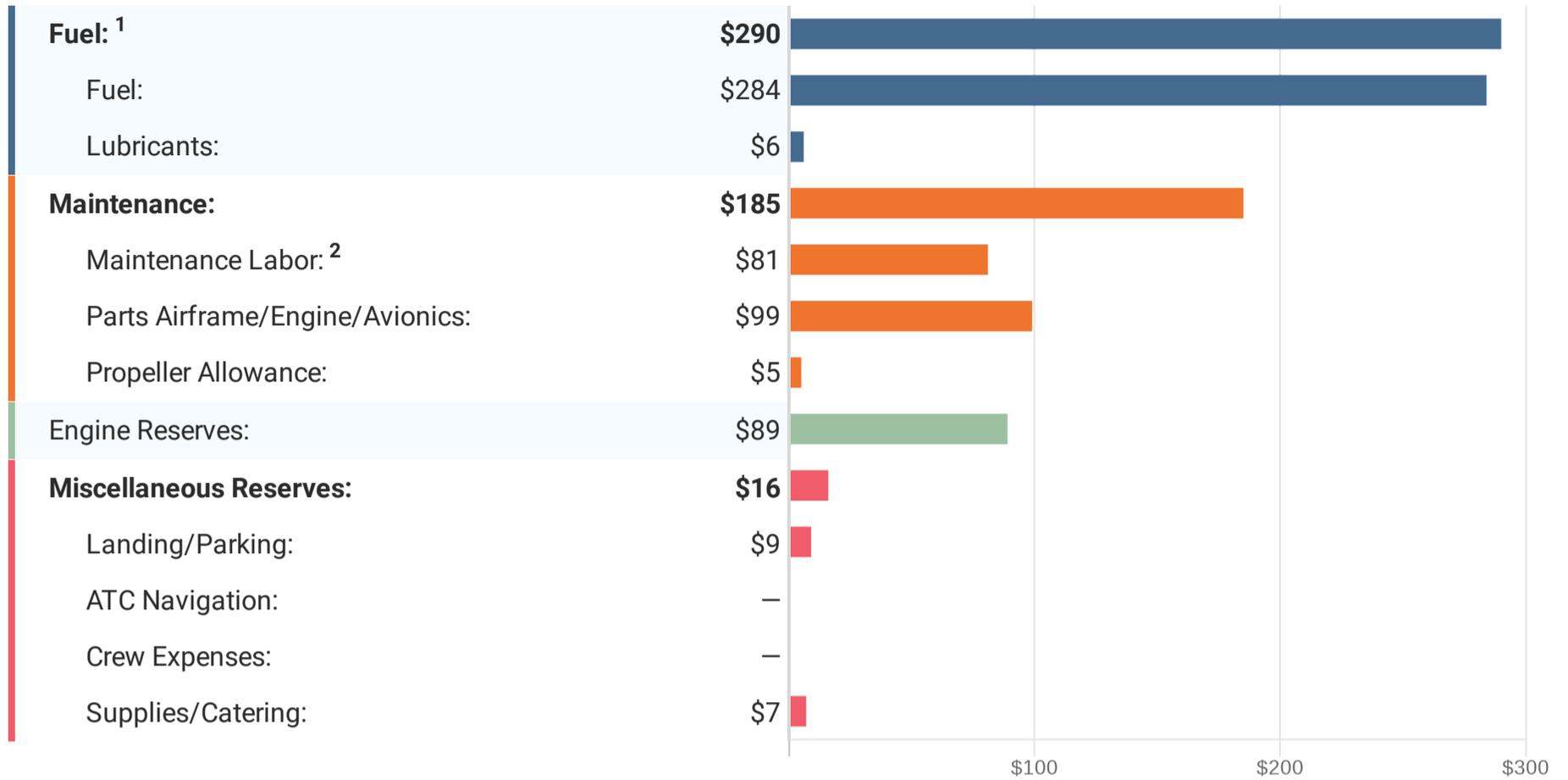


<b>Total Annual Cost:</b>	<b>\$285,195</b>
Variable Cost:	\$157,180
Fixed Cost:	\$128,015
Per Hour:	\$1,052
Per Nautical Mile:	\$6.34
Per Seat Per Nautical Mile:	\$0.91
<b>Total Annual Cost with Market Depreciation:</b>	<b>\$288,445</b>
Market Depreciation:	\$3,250
Per Hour:	\$1,064
Per Nautical Mile:	\$6.41
Per Seat Per Nautical Mile:	\$0.92

# Hourly Variable Cost

PER FLIGHT HOUR:

**\$580/hr**



1. Fuel is calculated using Fuel Price x Fuel Burn + 15% - 47 gal/hr

2. Maintenance Labor Cost is calculated using the ratio of Maintenance Labor Hours per Flight Hour and the Labor Rate: 0.93 labor-hr/Fhr @ \$87/hr

# Annual Fixed Cost

ANNUAL COST:  
**\$128,015**

