

DIRECT OPERATING COSTS

FUEL AND LUBRICANTS

COST / HOUR

Fuel and oil consumption is estimated at 75% cruise power utilization and based on average prices.

Fuel	16.0 gal./hr. at \$6.42	\$102.72	
Oil	¼ qt./hr. at \$8.50/qt.	\$2.13	\$104.85

SCHEDULED AND UNSCHEDULED MAINTENANCE LABOR

Inspections include 50 and 100 hours and a reserve for unscheduled maintenance (40 hr. / 100 ft. hr. X \$125 labor rate) **\$50.00**

RESERVE FOR MAIN ROTOR GEARBOX OVERHAUL

Based on main rotor gearbox overhaul price of \$26,625 at 1,200 hrs. Fixed overhaul price. **\$22.19**

RESERVE FOR OVERRUNNING CLUTCH REPLACEMENT

Based on overrunning clutch price of \$15,878 at 2,400 hrs. **\$6.62**

RESERVE FOR TAIL ROTOR GEARBOX OVERHAUL

Based on tail rotor gearbox overhaul price of \$9,237 at 1,200 hrs. Fixed overhaul price. **\$7.70**

RESERVE FOR ENGINE OVERHAUL

Based on engine overhaul price of \$62,292 (\$56,292 +\$6000 labor) at 1,500 hrs. (Includes \$6,000 labor) **\$41.53**

RESERVE FOR AIRCRAFT SPARE PARTS

Scheduled and unscheduled parts consumption using average experience. **\$33.02**

RESERVE FOR RETIREMENT ITEMS

	ITEM PART NO.	HOURS	UNIT COST	TOTAL	
TT Straps	AA-ECD-084-280	*5 year	2744.00	7875.00	\$ 8.23
Drive Belt Idler Bearings (2)	ECD018-11	600	132.91	256.84	0.44
Flex Plate Elements (2)	28-01041-3	1,200	238.50	430.50	0.36
Tail Rotor Blades (2)	28-150002-1	3,100	8150.63	16301.26	5.26
Tail Rotor Grips (2)	28-150044-3	6200	955.32	1910.64	0.33
Tail Rotor Spindle	28-150074-13	1,200	3045.00	3045.00	2.54
Turbocharger	3BT5EE10J2	2,000	7,014.00	7,014.00	3.51
Drag Link	28-14283-1	13,750	570.81	1654.53	0.12

Estimated total hourly retirement cost: **\$20.79**
*(TT Straps life is 5 years, 1200 hr. used for this calculation)

TOTAL DIRECT OPERATING COST PER HOUR: \$286.70

Note: All hours and labor rates are based on field averages performed by experienced mechanics. Maintenance hours and costs to perform above noted tasks will vary due to operating conditions and the general care given the helicopter as well as the shop rate charged by the individual repair station. "Preventive maintenance is the cheapest maintenance." Aircraft that are infrequently used will probably experience higher hourly operating costs.



FUSELAGE

- Welded Steel Central Pylon
- Composite Cabin Assembly with Two Removable Doors, Tinted Plexiglas Windscreens, & Top Windows
- Empennage with Fixed Incidence Horizontal Stabilizer, Dual Composite Vertical Fins
- Skid Tube Type Landing Gear with wear plates
- Ground Handling Wheels with Handle
- Tail Rotor Driveshaft Cover
- Landing Gear Cross Tubes & Air-Oil Oleo Struts
- Landing Leg Fairings (280FX only)
- External Paint, (2) Color Paint Scheme
- Tail Rotor Extension Tube & Guard
- Maintenance/Refuel Steps
- Baggage Compartment
- Pneumatic Door Openers, Engine Doors

POWERPLANT

- Lycoming Opposed HIO-360-F1AD 4- Cylinder, Fuel-Injected Engine Rated @ 225 hp
- Turbocharger
- Magneto Cooling Kit
- Dual Oil Coolers
- Starter
- 70 Amp Alternator
- Full Flow Oil Filter
- Hour Meter with Collective Switch (Flight time)

INLET SYSTEM

- Filtered Non-Ram Air Intake

FUEL SYSTEM

- Two Composite Interconnected Fuel Tanks
- Three Individual Sump Drains
- Resistance Fuel Quantity Measuring System

ROTOR HUBS & CONTROLS

- Three Bladed Fully Articulated Rotor System
- Corrosion Protected "On Condition" Aluminum Blades
- Internal Environmentally Protected Swashplate with "On Condition" Bearings
- Rapid Response Electro-Mechanical Trim System
- Planipetally Balanced, Fully Adjustable Directional Pedal Controls
- Tail Rotor Hub, Two Bladed Aluminum Tail Rotor with Stainless Steel Leading Edge Strip, Equipped with Needle Teeter Bearings
- Standard Collective & Cyclic Mechanical Controls
- Dual Controls
- Collective Control with Digital Throttle Governor
- Mixture Control
- Airwolf TT Strap per STC
- Cyclic Control with Trigger Switch for Radio Transmit
- Removable Co-Pilot Controls

ELECTRICAL EQUIPMENT

- Low-Profile Center Pedestal Instrument Console
- Cloth Seats
- Foam Seat Cushions
- Carpet with Scuff Plates
- Heater
- Lap Belts & Shoulder Harnesses (3)
- Sliding Vent Windows
- Pneumatic Door Openers, Cabin & Engine Doors

CABIN ACCOMMODATIONS

- Center Pedestal Instrument Console
- Centrally Located Radio Stack
- Three Crew/Passenger Seats with Belts & Shoulder Harnesses
- Ram Air Ventilation
- Two Map Pockets
- Carpet or Vinyl Flooring
- Sliding Vent Windows
- Two Pop-Out Vents, 1 per Opera Window

INSTRUMENTS

- Garmin G500TXi EFIS
 - Airspeed Tape
 - Altimeter Tape
 - Attitude Indication
 - HSI
 - Turn and Slip Indication
 - Rate of Climb Indication
- Mid-Continent Standby Attitude Module
- Howell EIS w/Reversionary Backup Display
 - Dual Tachometer
 - Manifold Pressure Indicator
 - EGT/CHT Tapes
 - TIT Tape
 - Fuel Quantity Indicator
 - Transmission Oil Temp
 - Engine Oil Temperature/Pressure
 - Dual Amp/Volt
 - Caution/Annunciator Indication
- Master Caution Light

MISCELLANEOUS

- Aircraft Log Book
- Engine Log Book
- Aircraft Flight, Maintenance, and IPC Manuals
- Hub Cover
- Blade Tie-down Kit

AVIONICS

- Avionics Master Switch
- Dual US Stereo Headset Jacks for 3 Stations
- Avionics Cooling Fan





OPTIONAL EQUIPMENT

AIRCRAFT EQUIPMENT

		WEIGHT (lbs)
HP-1	Fire Extinguisher - Halon 1211 - 2.5 lb	5.6
HP-2	First Aid Kit	1.2
HP-3	Floor Switch (Intercom/Transmit)	0.2
HP-4	Aux. Fuel Tank 13 Gallons (12.7 usable)	22.6
HP-5	Wide Instrument Panel	1.0
HP-8	Custom Interior, All Leather Seats	6.0
HP-9	Custom Paint Scheme	TBD
HP-10	Muffler	1
HP-11	Oleo Extenders (F model only)	0.5
HP-12	Shadin miniFlo Fuel Flow Totalizer	2.6
HP-15	High Visibility Paint Scheme, Main Rotor	TBD
HP-16	High Visibility Paint Scheme, Tail Rotor	TBD
HP-17	Additional Paint Color	TBD
HP-18	Hour Meter to Record Engine Operating Time	0.5
HP-28	Blade Tape	1.0
HP-29	Heavy Duty Skids Shoes	0.0

AVIONICS

		WEIGHT (lbs)
AP-1	David Clark Headsets H10-30 (Each)	1.4
AP-2	David Clark Headsets H10-56 (Each)	1.4
AP-3	Bose Series X Active Noise-Canceling Headsets (Each)	1.2
AP-4	Bose Series X Interface Unit Only, Full Aircraft (3 passengers)	1
AP-5	PS Engineering PM 1000 VOX Intercom (mono)	0.75
AP-6	PS Engineering PM 3000 VOX Intercom (stereo)	0.75
AP-16	David Clark Headset Adapter, Lo-Hi Impedance Model 40880G-01	0.75
AP-17	King KY 196A (24V) Com	4.2
AP-22	KCS 55A Compass System with KI 525 HSI	4.58
AP-24	King KR 87 ADF (Digital) with KI 227	5.7
AP-41	Emergency Locator Transmitter, Artex C406-1 HM	5.5
AP-42	PS Engineering PXE7300AM/FM/CD MP3 Player	3.5
AP-50	Garmin GTN 650 GPS/COM/NAV with CDI	17.6
AP-50-1	Garmin GTN 650 GPS/COM	13.6
AP-50-2	Garmin GTN 650 GPS/COM/NAV with EHSI Interface	17.6
AP-53	Aspen 1000H Pro PFD	3.2
AP-53-1	Aspen 1500H Pro PFD/MFD	6.4
AP-55	AEM AA83 Intercom	3.7
AP-57	12 Volt Converter with 2 Outlets	2.5
AP-58	Garmin GMA 350Hc Audio Panel	
AP-59	Garmin GTX 345 Transponder w/GAE-12 Altitude Encoder	
AP-60	Garmin GNC 255A NAV/COM w/CDI	
AP-60-1	Garmin GNC 255A NAV/COM w/EHSI Interface	
NPN	Garmin GTN 750 GPS/COM/NAV with CDI	11.3
NPN	Garmin GTN 750 GPS/COM/NAV with EHSI Output	11.3
NPN	Kannad Integra 406AF-H ELT	2.5

AIRCRAFT FLIGHT EQUIPMENT

		WEIGHT (lbs)
EP-3	Turn & Slip, MC-3TZ	1.7
EP-5	Castleberry Directional Gyro	3.0
NPN	Castleberry Attitude Gyro - CREDIT	-3.0

SPECIAL MISSION EQUIPMENT

		WEIGHT (lbs)
MP-3	Build-up for Float Installation	10.2
MP-4	Fixed Floats with Build-up	90.0
MP-5	Onboard Systems Cargo Hook	11.56
MT-6	Cargo Hook Provisions Only	2.48
MP-7	NVG Compatible Cockpit	TBD
MP-17	Snow Shoes (Aft Shoes Only)	
MP-17-1	Snow Shoes (Add Front Shoes)	
MP-13	Starburst SX-5 Searchlight	32.5
MP-24	External Cargo Baskets	TBD
MP-25	Isolair 3900-280 Agricultural Spray System	203

SHIPPING PREPARATION

		PRICE
	Ex-Works KMMN	NA
SP-1	Break Down & Crating for Airfreight	NA
SP-2	Break Down & Crating for Oceanfreight	NA
SP-3	Ferry	NA

OPTION PACKAGES

AIRFRAME APPEARANCE PACKAGE

NPN	Custom Interior
HT-9	Custom Paint Scheme by TAOD
HT-15	High Visibility Paint Scheme, Main Rotor
HT-16	High Visibility Paint Scheme, Tail Rotor
NPN	Interior Closeouts

VFR AVIONICS PACKAGE

NPN	Garmin GTN 650Xi GPS/NAV/COM
AT-64-1	Garmin GTX 345 Transponder with ADS-B In/Out
AT-55-1	Garmin GMA 350Hc Audio Panel
NPN	Kannad ELT

VFR PLUS AVIONICS PACKAGE

NPN	Garmin GTN 750Xi GPS/NAV/COM
NPN	Garmin GTX 345R Remote Mount Transponder w/ ADS-B In/Out
NPN	Garmin GMA 35 Remote Audio Panel
NPN	Garmin GTR 225 COM Radio
NPN	Kannad ELT
NPN	Bose/LEMO Compatible Headset Jacks

IFR TRAINING AVIONICS PACKAGE

NPN	Garmin GTN 750Xi GPS/NAV/COM
NPN	Garmin GTX 345R Remote Mount Transponder w/ ADS-B In/Out
NPN	Garmin GMA 35 Remote Audio Panel with Marker Beacon
AT-53-1	Garmin GNC 255A NAV/COM
AT-57	Free Flight RA-4500 Radar Altimeter with RAD-40 Display
NPN	Kannad ELT
NPN	Bose/LEMO Compatible Headset Jacks

