



Kodiak 100 Series II

- General Specifications
- Standard Equipment
- American Kodiak Edition
- 5 Year Scheduled Maintenance Cost

KODIAK®

— QUEST AIRCRAFT COMPANY —

Weights & Loading

Max Ramp Weight	7,305 lbs	3,313 kg
Max Takeoff Weight	7,255 lbs	3,290 kg
Base Aircraft Empty Weight	3,775 lbs	1,712 kg
Base Aircraft Useful Load	3,530 lbs	1,601 kg
Fuel Capacity	320 gal	1,211 L
Max Wing Loading	30.2 lbs/ft ²	147.45 kg/sm
Max Power Loading	9.67 lbs/hp	4.39 kg/hp

Performance

Stall Speed Vs1 (flaps up)	77 kcas	143 kph
Stall Speed Vs0 (flaps down)	60 kcas	111 kph
Rate of Climb (max cont at SL)	1,340 ft/min	408 m/min
Rate of Climb (10,000 ft)	867 ft/min	264 ft/min
Takeoff Ground Roll	934 ft	285 m
Landing Ground Roll	765 ft	233 m
Certified Ceiling	25,000 ft	7,620 m

Range & Endurance

Includes 45 min reserve, ISA, without cargo pod

Max Cruise		
174 ktas, 12,000 ft (3,700 m)	1,005 nm	1,861 km
Cruise Fuel	271 gal	5.8 hrs
Assumes Consumption rate of:	48 gph	182 L/hr

Max Range Cruise		
135 ktas, 12,000 ft (3,700 m)	1,132 nm	2,096 km
Cruise Fuel	271 gal	8.4 hrs
Assumes Consumption rate of:	33 gph	125 L/hr

Max Endurance		
95 ktas, 12,000 ft (3,700 m)	944 nm	1,748 km
Cruise Fuel	271 gal	9.9 hrs
Assumes Consumption rate of:	28 gph	106 L/hr

Fuselage

Cabin Width	4'6"	1.37 m
Cabin Height	4'9"	1.45 m
Cabin Length	15' 10"	4.83 m
Cargo Volume	248 cu ft	7.02 cu m
Overall Length	33'8"	10.3 m
Seats	1-10	1-10
Doors	3	3
Door Sill Height	38"	.97 m
Cargo Door Height	49.25"	1.25 m
Cargo Door Width	49.25"	1.25 m

Flight Surfaces

Wing Area	240 ft ²	22.3 sq m
Span	45'	13.72 m
Dihedral	3°	
Flap Type	Fowler, single-slotted	
Horizontal Span	20' 4"	6.21 m
Overall Height	15'3"	4.48 m

Propeller

Diameter	96"	2.44 m
Clearance	19"	48 cm

Landing Gear

Main Gear	8.5 x 10 Cleveland, spring steel
Nose Gear	6.5 x 8 Cleveland, air-oleo, steel

Powerplant – P&W PT6A-34

Takeoff Power	750 hp
Max Continuous power	700 hp



KODIAK 100

SERIES II

Kodiak 100, Series II Standard Equipment List

AVIONICS

- Garmin G1000NXi Integrated Avionics Suite:
 - (2) Primary Flight Displays - PFD
 - (1) Multifunction Display - MFD
 - All three are next gen, high resolution 10.4 inch displays
 - Enhanced Map HSI
 - Integrated VFR & IFR Charts
 - Vertical Situation Display w/ flight path & terrain
 - Visual Reporting Points
 - Flight plan auto-nomination on startup
 - Transition to approach capability
 - Visual approach capability
 - Garmin Flight Stream 510 wireless connectivity between mobile device and G1000NXi
 - FIS-B Weather
 - Wireless Database Update capability
- Dual 16 Watt Transceivers
- Dual VOR/ILS Receivers
- Dual GPS Receivers
- Dual AHRS
- Dual ADC
- GTX 345R Mode-S Transponder with ADS-B In/Out
- GFC 700 Autopilot with Electronic Stability Protection, Level Mode, Underspeed Protection, Coupled Go-Around and Yaw Damper
- Class-B Terrain Awareness and Warning w/ External Inhibit Switch
- Garmin Synthetic Vision
- G1000NXi User Defined Holds
- G1000NXi Garmin Electronic Checklist
- Avionics Bus Master Switch
- G1000NXi Annunciation, Clock and OAT
- Ammeter / Voltmeter
- 406 MHz ELT w/ Remote Switch and GPS enabled
- (2) Cockpit USB ports

ENGINE INSTRUMENTS

(Fully integrated in the G1000NXi)

- Torque (ft-lb)
- RPM Prop
- ITT
- RPM NG (%)
- Oil Temp/Pressure
- Fuel Pressure/Flow
- Engine – Forward Gear Box Chip Detector

FLIGHT INSTRUMENTS

(Other than what is integrated in the G1000NXi)

- 4-in-1 Electronic Standby
 - Airspeed
 - Altitude
 - Attitude
 - Turn Coordinator
- Compass, Magnetic
- Dual Pitot/Static Systems
- Dual Pitot Heat
- Angle of Attack (AOA) Indexer

FLIGHT CONTROLS

- Flight Control System, Pilot and Co-Pilot
- Flight Control Lock
- Wing Flaps, Electric
- Flap Indicator integrated into G1000NXi
- Electric Trim System
 - Aileron
 - Rudder
 - Elevator
- Automatic Flap Configuration Trim
- Hydraulic Toe Brakes
- Parking Brake

ENVIRONMENTAL

- Heat, Cabin Bleed Air
- Forward ECS system
- Defrost (Pilot and Co-Pilot)
- Ventilation (Fresh Air)
- Forward and Aft Blowers
- Ventilators, Adjustable
 - 4 Panel Mounted
 - 8 Passenger
- Sound Proofing
- 2-place Oxygen

LIGHTS

- HID Landing Lights
 - RH-LH Leading Edge
- Taxi Lights with Pulse, LED
 - RH-LH Leading Edge
- Navigation Lights (2), LED
- Strobes (2), Wingtip Mounted, LED
- Instrument Lighting
- Glareshield Light
- Switch, C/B and Fuel Selector Lighting
- Overhead Flood (Pilot and Co-Pilot)

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- Main Cabin Flood Light (4)
- Passenger Reading Lights (8)
- Beacon (LED)

POWERPLANT

- Engine PWC PT6A-34,
 - 750 SHP, 4000 HR TBO
- Cowling Inlet Plug
- Engine Wash Ring (Integral)
- Engine Mount with Vibration Isolation
- Oil Cooler, High Capacity
- Cowling, Rigid
 - Easily Opened, Side Cowls
- Igniter System
- Intake Inertial Separator (Electric) w/Backup
- Overspeed Governor
- Prop, 4-Blade Aluminum, Constant Speed
 - Full Feathering, 96" Hartzell
- Spinner, Polished
- Blanket, Firewall
- Silencer, Bleed Air
- Power Plant Quadrant
- Fuel Condition Lever
- Power Lever
- Prop Lever
- Emergency Power Lever
- Friction Lock, Quadrant

ELECTRICAL POWER

- (2) Batteries, 24V Sealed Lead Acid
- Starter/Generator, 300 Amp
- Generator Switch
- Master Control Unit w/ High Start
- Alternator, Standby 40 Amp
- Ground Service Receptacle

FUEL SYSTEM

- Fuel Tanks (2) 320 Gallons Total
- Fuel Valves, Quick Drain (1 each Tank)
- Fuel Valves, Quick Drain (Header Tank)
- Fuel Valves, Quick Drain (Fuel Filter)
- Fuel Filter, Firewall Mounted
- Fuel Vents, Non-Icing (2)
- Fuel Caps with Anti-Siphon Doors (4)
- Fuel Reservoir with Low Warning
- Fuel Selectors (2) (RH-LH)
- Fuel Shut Off
- Fuel Pump, Engine Driven
- Fuel Pump, Aux (electric)
- Fuel Quantity Gauges in G1000NXI
- Fuel Totalizer in G1000NXI
- Float-Type Fuel Level Sensors
- Fuel Temperature Indication

INTERIOR

- Document Holder
- Corrosion Proofing
- Non-Slip Flooring
- Glareshield
- Headliner
- Side Panels, Tundra Trim
- Insulation
- Cargo Tiedown Hard Points (42)
- Instrument Panel
- Seats, Pilot and Co-Pilot, Articulating, Tundra Trim
- Four (4) Passenger Seats, Tundra Trim
- Shoulder Harnesses, Pilot and Co-Pilot w/ Locking Inertia Reel
- Sun Visors
- Window, Foul Weather, Pilot's Door
- Inflatable Crew Door Seals
- Fire Extinguishers (3)
- Four (4) Cabin USB Ports
- Crew Door Stays
- Cup Holders

EXTERIOR

- Control Surface Bonding Straps
- Static Wicks
- Corrosion Proofing
- Door, Cargo
- Door, Pilot 180° Opening
- Door, Co-Pilot 180° Opening
- Nose Gear, Non-Retractable, Steerable
- Main Gear, Non-Retractable
- Lock, Key-Operated
 - One Key Fits All Doors
- Paint Trim Package Standard and Colors (Paint IAW "FS1001, Finish Specification KODIAK 100 Exterior"; ref. Section 4. "Aesthetic Considerations")
- Stall Warning
- Crew Entry Steps (Fixed External)
- Cargo Door Steps
- Nose Tire 6.50 x 8*
- Main 8.50 x 10*

LOOSE EQUIPMENT EXTERIOR

- Pilot's Operating Handbook
- G1000NXI Integrated Flight Deck Cockpit Reference Guide
- Hartzell Propeller Owner's Manual
- Aircraft Maintenance Records Logbook includes:
 - Airframe
 - Engine
 - Propeller
 - Avionics
 - Weight & Balance
 - List of Service Bulletins and 8130-3 forms

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SERIES II

- Packet of Vendor Manuals; includes:
 - Garmin G1000NXI Pilot's Guide book
 - G1000NXI SD Card w/software and configuration
 - TAWS Unlock Card
 - Enhanced Autopilot Features Unlock Card
 - Mid-Continent 4300 Electric Attitude Indicator booklet
 - Artex 406 MHz Locator Maintenance Manual
 - SVS Unlock Card
- *Depending on Options chosen:*
 - WX-500 Stormscope Booklet
 - Chartview Unlock Card
 - GWX70
 - XM Booklet
- Axle Jack point (1)
- Jack Pad w/out Pod (2)
- Jack Pad w/Pod (2)
- Nose Jack point (1)
- Flap Rigging Stops (4)
- Cargo Attach Fittings (8)
- Cargo Straps (4)
- Tow Bar (Nose Gear)
- Tail Stand
- Custom Cover Kit; includes:
 - Windshield Cover
 - Pitot Tubes (2)
 - Engine Inlet Plug
 - Prop Tiedowns/Exhaust Covers (2)
 - Horizontal Stabilizer Lightning Hole Plugs (2)
 - Lower Cowling Plugs (2)
- Rudder Gust Lock
- Crew Oxygen Masks and Passenger Oxygen Masks (if a 10-Place Oxygen System is ordered)
- Compass Adjusting Tool
- Allan Wrenches for Sun Visor (3)
- GATS Fuel Tester Jar
- Fuel Pipette
- Door Keys
- Crew Headsets (2 Bose A20)

TRAINING

- Participation in aircraft familiarization program for one pilot included in base price
- Mechanic training for one A&P included in base price

AMERICAN KODIAK

2019 Kodiak 100 Series II AMERICAN KODIAK Edition

Includes These Options and Upgrades

Summit Executive Interior with 5 Passenger Seats and Cabinets

373.3 lbs.

The Summit executive interior package includes: Choice from two color options; an executive four place "club" seating arrangement featuring reclining executive passenger seats with arm rests and lumbar support configured (forward to aft) with dual aft facing seats, dual forward-facing seats and a fifth forward-facing seat positioned aft. Dual pyramid cabinets, removable carpet over slip resistant flooring, 6-passenger headset jacks, 8 passenger PSU vents, reading lights, full cabin ventilation control, and 10-place oxygen.

Summit 6th Passenger Seat

\$18,500 39.4 lbs.

External Baggage Compartment

183.0 lbs.

The External Baggage Compartment is of composite construction and mounts onto the bottom of the fuselage to provide additional cargo and baggage space. It has a maximum load-carrying weight of 750 pounds and a maximum floor loading of 65 pounds per square foot to allow a wide variety of loading scenarios. The External Baggage Compartment is divided into three compartments separated by composite bulkheads and each compartment has an individual loading door and internal skid ramp to facilitate loading and unloading. With its clean aerodynamic design, there is very little reduction in performance (only 1-2 knots reduction in cruise speed).

TKS Ice Protection with Tank in External Baggage Compartment

128.4 lbs.

This option moves the TKS fluid tank from the cockpit to the forward bay of the Cargo pod. It holds 16 gallons and operates for 2-1/2 hours under normal icing conditions. This option frees up cabin and cockpit space making it easier for the pilot to access the main cabin. The pod tank does not decrease the weight that can be inserted in the forward bay of the cargo pod and sits in front of the forward bay door, keeping the standard door size intact. The pod tank helps keep the CG forward during high load operations while taking up less than 25% of the usable volume in the forward bay.

Air Conditioning

82.9 lbs.

Controlled through a digital touch screen display which allows the pilot to select the desired temperature for the system to maintain, the vapor cycle air conditioning system consists of an engine-driven compressor, forward evaporator, aft evaporator, condenser and two blowers. Cool air is distributed throughout the cabin via 12 gaspers to generate a comfortable temperature.

29" Tire Combo

20.6 lbs.

A popular upgrade on the Kodiak, the larger tires provide improved handling and durability on rugged back-country airstrips. This also upgrades the landing weight to 7,255 lbs. This upgrade exchanges the tires as follows:

Standard Tires:	Upgraded Tires:
Main: 8 Ply, 8.5 x 10.0	Main: 29 x 11-10
Nose: 6 Ply, 6.5 x 8.0	Nose: 22 x 8-8

GTS 800 TAS/WX-500 Stormscope Package

16.9 lbs.

The GTS 800 Traffic Avoidance System actively interrogates other transponder-equipped aircraft. The system displays the position of nearby aircraft on the G1000 and provides aural warnings when there is potential conflict. This feature greatly increases the safety for flights into busy airspace. Moreover, when operating in remote areas where no ATC radar services are provided, but other aircraft are still operating. Also includes the WX 500 Stormscope which enables pilots to make informed in-flight decisions about thunderstorm avoidance by mapping real-time electrical discharges created by storms and displaying it on the G1000.



AMERICAN KODIAK Edition

GDL 69A-XM Data Link with Audio Infotainment

1.4 lbs.

XM Satellite Weather data provides information for avoiding hazardous weather. Having XM WX on board boosts pilots' situational awareness through interactive graphical weather updates displayed on the G1000. If the peace of mind XM WX provides isn't enough, XM offers over 170 channels of music, news, talk and sports enjoyment.

GWX-70 Weather Radar

21.8 lbs.

The GWX 70 is an all-in-one antenna/receiver/transmitter that provides 4-color storm cell tracking to the G1000. The selectable scan (up to 90 degrees) and pulse range let you home in on target areas plus full pitch-and-roll stabilization is available for smooth weather tracking during climbs or turns. Also the side-view vertical scanning function allows it to profile storm tops, gradients and cell buildup activity at various altitudes. Plus, Weather Attenuated Color Highlight (WATCH™) can identify areas beyond the radar's capability that may contain even more hazardous areas of precipitation.

ChartView Enable Card (Jeppesen Subscription not included.)

No weight impact

ChartView brings an electronic version of Jeppesen's extensive library of charts and airport diagrams directly to the G1000's Multi-Function Display. ChartView displays approach charts, geographical features, airspace, airways and airport diagrams in full color and high resolution. In addition, the pilot sees the aircraft's present position on the chart. These electronic charts greatly reduce the amount of paper in the cockpit and help reduce pilot workload.

SurfaceWatch Enable Card

No weight impact

The SurfaceWatch feature provides aural and visual annunciations to help the flight crew maintain situational awareness and avoid potential runway incursions/excursions during ground and air operations in the airport environment.

Dual X3 Demand Conserver Units

1.0 lb.

The X3 Demand Conserver is a fully mechanical demand conserver. By only giving you oxygen when you need it, the X3 Demand Conserver will extend the duration of your oxygen supply by a minimum of 300%.

Six(6) Bose A20 Pax. Headset

4.5 lbs.

Bose A20 Headsets are engineered to be comfortable and provide noise reduction. Features include Bluetooth audio and communication interface, customizable audio prioritization control, intuitive "plug-and-play" operation, and a high performance microphone. 2 Bose A20 Headsets for crew seats are standard.

Custom Paint Job to your design, with your logos or brand

25.0 lbs.

Subject To Paint Scheme Approval

Single-Point Refueling

26.4 lbs.

Permits re-fueling in 5 minutes

Dual GoPro Cameras

8.0 lbs.

Permits documentation of sights and/or observations for subsequent viewing.

Weight of Options:	933 lbs.
Mfg. Empty Weight:	3,777 lbs.
Weight of Options:	933 lbs.
Misc. Equipment, Non-drainables:	75 lbs.
BOW:	4,785 lbs.
6 Pax + Pilot @ 200 lbs. each	1,400 lbs.
Max Fuel:	1,117 lbs.
Range w/6 Pax + Pilot:	525 NM

Quest Kodiak® 100

Scheduled maintenance items for first 5 yrs/1000 hrs

AMM Rev22

Based on 200.0 flight hours/year average

Based on Shop Labor Rate of \$110/hour

<u>Year</u>	<u>Description</u>	<u>Function</u>	<u>Interval</u>	<u>In-House Labor*</u>	<u>Parts & Outside Labor</u>	
1st year	Annual Inspection - all 12 mth items	INSP	12 mths	80.0 hrs	VMI	\$8,800
2nd year	Annual Inspection - all 12 mth items	INSP	12 mths	80.0 hrs	VMI	\$8,800
	IFR Certification	INSP	24 mths	\$990	N/A	\$990
	DIPS acuator rotation	MAINT	24 mths	2.0 hrs	N/A	\$220
	Stall Warning Ice Mode Functional	INSP	24 mths	1.0 hrs	N/A	\$110
	Firewall Blanket Inspection	INSP	24 mths	0.5	N/A	\$55
	Fuel Nozzle Cleaning	INSP	300-400 hrs	8.0 hrs	\$1,050	\$1,930
						\$12,105
3rd year	Annual Inspection - all 12 mth items	INSP	12 mths	80.0 hrs	VMI	\$8,800
	Standby gyro battery	RPL	36 mths	.5 hrs	\$400	\$455
	Fuel pump inlet filter	INSP	600 hr	1.0 hrs	N/A	\$110
	Fuel pump outlet filter	RPL	600 hr	1.0 hrs	\$40	\$150
	S/G Brush Life	INSP	600 hr	1.0 hrs	N/A	\$110
	Flap roller	LUBE	600 hr	1.0 hrs	N/A	\$110
	Flap actuator	LUBE	600 hr	.5 hrs	N/A	\$55
	TKS filter	RPL	36 mths	3.5 hrs	\$980	\$1,365
						\$11,155
4th year	Annual Inspection - all 12 mth items	INSP	12 mths	80.0 hrs	VMI	\$10,400
	IFR Certification	INSP	24 mths	\$1,100	N/A	\$1,100
	DIPS acuator rotation	MAINT	24 mths	2.0 hrs	N/A	\$260
	Park brake cable	LUBE	800 hr	.2 hrs	N/A	\$26
	Stall Warning Ice Mode Functional	INSP	24 mths	1.0 hrs	N/A	\$130
	Firewall Blanket Inspection	INSP	24 mths	0.5	N/A	\$65
	Fuel Nozzle Cleaning	INSP	300-400 hrs	8.0 hrs	\$1,050	\$2,090
						\$14,071
5th year	Annual Inspection - all 12 mth items	INSP	12 mths	80.0 hrs	VMI	\$10,400
	Oxygen bottle hydro/regulator OH	INSP/OH	60 mths	1.5	\$1,000	\$1,195
	P3 filter	RPL	1000 hrs	.5 hrs	\$230	\$295
	Oil filter	RPL	1000 hrs	.5 hrs	\$130	\$195
	Fuel reservoir bladder	INSP	1000 hrs	2.0 hrs	N/A	\$260
	1/4" NLG Centering Pin	RPL	1000 hrs	5.0 hrs	VMI	\$650
	FWD Lower Carry-Thru	INSP	1000 hrs	2.0 hrs	N/A	\$260
	WS 168.75 Nose Rib	INSP	1000 hrs	1.0 hrs	N/A	\$130
	ELT Battery	RPL	Varies	.5 hrs	\$700	\$800
						\$14,185

* In house labor hours are based on separate due items being performed while aircraft is opened up for annual.

* All costs are based on work performed at Sandpoint Quest Repair Station facility

\$60,316