



# KODIAK 100<sup>®</sup>

SERIES II

Kodiak 100

A rugged, yet refined workhorse offering

	Performance	Luxury	Fun
Max speed	183 KTAS	Extended Range	Fuel economy
Climb Rate	1,371 FPM	1,132 NM	48 GPH
		Takeoff	Useful Load
		934 FT	3,535 lb

**WHY KODIAK?**

Because the Kodiak is an amazingly safe STOLE airplane, meeting the latest aviation standards. It is tough, designed for rugged, backcountry operations; excellent suited for paved or unpaved runways and able to take off and land in less than 980 feet.

Shorter wingspan allow the operation from narrow airstrips

With the GARMIN G1000<sup>®</sup> NXi SUITE, a smarter, pilot-friendly cockpit with improved situational awareness and safety is on hand for the pilots.

Single pilot certified and versatile in its operational applications; a smart aircraft designed for the 21st century.

The large payload door eases passenger entry and cargo loading and allows a fast and easily conversion from passenger to cargo operations. Fully adjustable seats with perfectly locate panoramic windows make journeys for passengers comfortable.

As the aircraft was from the beginning designed for fixed gear as well as float operation, the conversion from gear to floats is uncomplicated and fast as well without structural upgrades.

The optional cargo pod for more storage, results in virtually no loss of performance.

The PT6A-34 engine delivers a 9.67:1 power-to weight ratio and had the lowest operating costs in its class.

**NeBeSci, Inc.**

Aircraft & Aeronautical Products & Services / Intl. Trading

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# KODIAK100<sup>®</sup>

SERIES II

## CONTENT



Series II



Specification



Flight Deck



Safety



Floats



Customizable



Customer Care



Range and Interior



*Kodiak equals Fun*



Kodiak Aircraft, a company of **DAHER**

Contact your local , exclusive Kodiak dealer for more information:

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The **Kodiak Series II** is a new but continuously refined airplane. Unlike competitors that were designed decades ago, the Kodiak benefits from the latest advances in engineering and technology. The result is an increasingly safe, comfortable and efficient airplane.

A smarter, pilot-friendly cockpit.

Improved situational awareness and safety.

More comfort for all passengers.



GARMIN G1000® NXi SUITE

- Fast Processing
- Flight Stream 510
- HSI moving map
- Synthetic Vision
- Communication decoder
- Vertical situation display
- Visual Approaches
- Weight & Balance feature
- VFR/IFR Charts on MFD
- Visual Reporting Points
- Animated NEXRAD Weather



AVIONICS UPGRADES

- GTX™-345 ADS-B Transponder
- Digital 4-in-1 standby
- Angle of Attack Indexer
- AGB/RGB chip detectors
- 2 year subscription to



INTERIOR

- Cockpit storage & glove boxes
- LEMO Plugs for Bose Headsets
- 2 Bose® Headsets
- Precise Flight boom cannulas
- Precise Flight
- Cargo door refinement
- Cockpit ventilation improvements
- New Rosen® sun visor with better ergonomics
- Branding & ownership enhancements
- Loose equipment upgrades & enhancements



OPTIONAL EQUIPMENT UPGRADES

- Garmin SurfaceWatch™
- GWX-70 Weather Radar - Turbulence detection & ground clutter options
- Cockpit Voice & Data Recorder
- Single-point refueling (STC)

EXTERIOR

- Crew door stays
- 18 new paint scheme options



**Certification** The Kodiak is certified under Part 23 of the Federal Aviation Regulations in the Normal Category for day, night, VFR, and IFR flight operations, and certified for flight into known icing when equipped with optional TKS Ice Protection System

<b>Powerplant</b>	P&W PT6A-34	<b>Propeller</b> (Constant speed, feathering, reversible)	
Takeoff Power @ 2200 RPM	750 hp	Diameter	96 in 2.44 m
Max Continuous Power	700 hp	Tip Clearance	19 in 48 cm
<b>Fuselage</b> Cabin Width	4'6" 1.37 m	Cargo Volume (exc. cockpit)	248 cu ft 7.02 cu m
Cabin Height	4'9" 1.45 m	Overall Length	33.8 ft 10.3 m
Cabin Length	15'10" 4.83 m	Overall Height	14.7 ft 4.48 m
Seats	1-10	Doors	3
Door Sill Height	38 in 0.97 m		
Cargo Door (LH side)		Cockpit Doors (both sides)	31 x 51 in
Opening Width	49.25 in 1.25 m	Opening Width	31 in 0.79 m
Opening Height	49.25 in 1.25 m	Opening Height	51 in 1.30 m
<b>Flight Surfaces</b>			
Wing Area	240 sq ft 22.3 sq m	Flap Type	Fowler, single-slotted
Span	45' 13.72 m	Horizontal Span	20'4" 6.21 m
Dihedral	3°	Overall Height	14.7 ft 4.48 m
<b>Landing Gear</b>	(Fixed, Faired Leg, No Pants)		
Main Gear	8.5 x 10 Cleveland, spring steel		
Nose Gear	6.5 x 8 Cleveland, air-oleo, steel		
<b>Takeoff distance &amp; climb rate</b>	<i>Source: OEM Pilots Op. Handbooks</i>		
Takeoff ground roll	934 FT. 285 M	Climb rate	1,340 FPM 408 M/MIN
Manufacturers recommended climb speed		88 KIAS 163 KPH	
Height above runway threshold after t/o		762 FT. AGL 232.3 M	
<b>Weights &amp; Loadings</b>		<b>Performance (without cargo pod)</b>	
Max. Ramp Weight	7,305 lbs 3,313 kg	Stall Speed Vs1 (flaps up)	77 kcas 143 kph
Max. Takeoff Weight	7,255 lbs 3,290 kg	Stall Speed Vs0 (flaps down)	60 kcas 111 kph
Base Aircraft Empty Weight	3,775 lbs 1,712 kg	Rate of Climb (max. cont. at SL)	1,340 fpm 408 mpm
Base Aircraft Useful Load	3,530 lbs 1,601 kg	Rate of Climb (10,000 ft)	867 ft/min 264 m/min
Fuel Capacity	320 gal 1,211 L	Takeoff Ground Roll	934 ft 285 m
Max. Wing Loading	30.2 lbs/sq ft 147.45 kg/sm	Landing Ground Roll	765 ft 233 m
Max. Power Loading	9.67 lbs/hp 4.39 kg/hp	Certified Ceiling	25,000 ft 7,620 m
<b>Cruise Performance</b>	183 ktas 339 kph		
<b>Range &amp; Endurance with 45 min. reserve (without cargo pod)</b>			
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 (3,700m)	944 nm 1,748 km	
Cruise Fuel:	271 gal 9.9 hrs	Assumes consumption rate of:	28 gph 106 L/hr



The Integrated Flight Deck anchored by the **Garmin G1000 NXi** offers a combination of new standard and optional features that ease pilot workload and increase the margin of safety.

#### **Flight Stream 510**

Designed to reduce pilot workload, Flight Stream 510 allows pilots to configure flight plans on their mobile device using the Kodiak flight planning application, then automatically transfer their flight plan to the G1000 NXi through a Bluetooth connection.

This connection can also facilitate loading databases straight from a mobile device, allowing the plane to get airborne sooner. A two-year subscription to the Kodiak application will be applied, powered by Garmin Pilot™. This app allows full utilization of all new features available with Series II Kodiaks.

#### **Primary Flight Display Features**

The PFD has multiple new features to help maintain situational awareness so you can stay safe even in high workload environments. With the ability to inset a moving map into the HSI, it gives the pilot the ability to maintain an instrument scan while being able to view crucial information such as traffic, terrain, weather, nav aids, and obstacles. HSI mapping and Synthetic Vision Technology are standard equipment on every Kodiak.

A simple, but effective, new display on the PFD is the frequency decoder. The name of the facility that the Radios/Nav aids are actively tuned into is displayed below the traditional frequency display.

Kodiak's equipped with optional SurfaceWatch will have help in avoiding runway incursions and operating safely in the airport environment. Warnings will appear when taking off or landing on the wrong runway or on a runway that is too short.

#### **Multi-Function Display Features**

A helpful new feature on the navigational map page is the Vertical Situation Display. Once a flight plan has been loaded into the system, the pilot will be able to see a graphical representation of the Kodiak's altitude in relation to the terrain for the entire flight.

The weight and balance page on the MFD has the ability to fully execute a weight and balance report right in the cockpit.

The aircraft's weight, seat stations and cargo stations will be pre-loaded into the system. Once the weights of the crew, passengers, fuel and cargo are input, the screen will display the weight and balance report to ensure the loading parameters have been met. The moving map can now be selected to display the traditional terrain map, sectional, IFR Low and High charts on the MFD.

In addition to the new map selections, the pilot has the ability to overlay visual reporting points right on the moving map.

The G1000 NXi gives the pilot the ability to select a Visual Approach. This means the system can generate a three-degree autopilot coupled vertical flight path down pilot designated minimums at most airports. When optioned with the GDL® 69A, the G1000 NXi is capable of displaying full animation of NEXRAD weather.

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

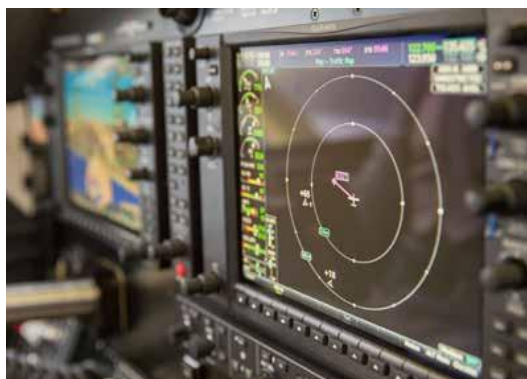
**Turbulence Detection with Ground Clutter Suppression Enable Card Option** Adding additional functionality to the optional GWX-70 Weather Radar. Ground Clutter Suppression eliminates guesswork of interpreting what is on the screen by identifying radar ground returns and removing them from the display while turbulence detection can determine areas of turbulence that might contain particulates, like rain or hail.

**Garmin GTX 345R Transponder w/ ADS-B** The Garmin GTX 345R transponder has ADS-B out to satisfy Next-Gen requirements, while providing all the weather and traffic benefits of ADS-B In. Included as standard equipment with all Series II aircraft, the transponder has the ability to track and display 45 targets at once. You can wirelessly stream weather, traffic, GPS position and backup attitude via the Flight Stream 510 connection to the Kodiak application on a mobile device.

**L3 ESI-500 Standby Instrument** The L3 ESI-500 is an advanced standby instruments designed for turboprop aircraft like the Kodiak. It displays attitude, altitude, airspeed, vertical speed, and slip data on its easy-to-read multicolor display. Should the system lose aircraft power, the built in back-up battery will provide power without interruption.

**Angle of Attack Indexer** The Kodiak 100 is equipped with an angle of attack indicator allowing the pilot to visually target a desired angle of attack for different phases of flight. Providing instantaneous AoA trend information, the ARINC 429 also alerts to impending stalls.

**Other Flight Deck Features** Garmin 1000 NXi SurfaceWatch Option, Garmin GFC 700 Autopilot, Garmin GDL-69A Weather, News & Entertainment Option, Garmin GTSTM 800 Traffic Avoidance System Option, Storm scope® WX-500, Jeppesen® Enabled Chart View Option, ELT 406 MHz with GPS, Garmin Search & Rescue Enable Cards.



Kodiak was designed and evolves further with **Safety** in mind for Pilots and Passengers:

Innovative Wing Design Provides Extra Margin of Safety

The Kodiak's patented "discontinuous leading edge" wing design yields performance at all flight envelopes. When most airplanes would stall, the Kodiak continues to fly. When most airplanes would spin, the Kodiak allows the pilot full aileron control, providing an unprecedented level of safety in an airplane of this size.

Engine and Power To Get You Up and Out Quickly

The Pratt & Whitney PT6A is synonymous with reliability. The -34 variant is the most proven & most economical of the bunch. The Kodiak has a power to weight ratio of 9.67lbs/horsepower. 20% better than the closest competition.

Tough Gear For Rough Situations

Robust, class-leading fixed landing gear with large tires gives peace of mind even on the roughest terrain. The Kodiak's landing gear was also designed with muddy conditions in mind, certified with a lower tire PSI to "float" on the surface and not get bogged down.

Engineered and Built Strong

They don't make them like they used to? Well, the Kodiak Series II breaks that mold. It's built like they used to be — with modern improvements. Built to withstand rigorous abuse and keep flying, the Kodiak is the modern airplane that will still be flying in 50 years - built to the quality standards of another time.

Fly Safer in All-Weather Conditions

A larger coefficient of lift (CL) and modern TKS anti-ice gives the Kodiak an unbelievable margin of safety and performance in even the worst weather conditions.

Garmin GFCTM 700 Autopilot:

Reduces Workload, Enhances

Situational Awareness

Fully integrated into the G1000 NXi Flightdeck, the GFC 700 is a three axis, attitude based autopilot. A fully digital, dual-channel flight control system with unprecedented levels of sophistication and safety in this class of airplane.



The Kodiak was designed from the outset for float operation. This seaplane can take off from water or a runway while preserving unprecedented water operation performance. There is no need for structural upgrades.

Every Kodiak seaplane is corrosion-proofed both externally and internally to provide the owner with the best protection and least maintenance cost for their investment, making operations in saltwater environment.

Water Takeoff: 162 Ktas /1000 FT / 20 SEC

## Customizable To Fit Your Needs

The Kodiak offers a wide range of interior and exterior options which are listed below:

### Exterior:

#### External Baggage Compartment

The External Baggage Compartment (ECC) installation 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 ECC 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

The TKS Ice Protection System makes the airplane Certified for Flight Into Known Ice (FIKI). It incorporates porous titanium panels attached to the leading edge of the wings, wing struts, main landing gear legs, and empennage. The system includes a 16-gallon tank, which yields an endurance of 2-1/2 hours of continuous operation in normal icing conditions. The tank may be mounted in the cockpit area as a center console or in the forward bay of the optional cargo pod, if installed.

#### 29" Tire Combo Upgrade

A popular upgrade on the Kodiak, the larger tires provide improved handling and durability on rugged backcountry airstrips. This also upgrades the landing weight to 7,255 lbs.

#### Pitch Latch Propeller

For those operating the Kodiak on floats, the Pitch Latch Propeller allows the propeller to stay in a fine-pitch position when the engine is shut down. When the engine is started with the propeller blades in fine-pitch, it takes much less time to produce forward thrust and begin taxiing.

#### Single-point refueling (STC)

Located at the left wing root, this option give the operator a simple, clean and easy way to quickly refuel both wing tanks utilizing one port. This option is installed as a post delivery STC.

#### Gravel Deflector

Attaching to the nose and main landing gear, the Gravel/Mud Deflector Kit helps prevent costly downtime and repairs by deflecting gravel and rocks away from the horizontal stabilizer, fuselage, and lower surface of the wings.

### Interior:

#### 10-Place Oxygen Upgrade

To increase the endurance of the airplane and operate at higher altitudes, this upgrade replaces the 50 cubic foot 2 place oxygen bottle with a 115 cubic foot composite oxygen bottle and adds ports for 8 passengers. Also included are 2 crew masks with built-in microphones and 8 passenger masks.

#### Cockpit Voice & Data Recorder options

The Kodiak has the ability to be optioned with a Cockpit Voice and Data Recorder. Different CVDR options may include a crash survivable memory unit, underwater locator beacon or independent recorder power supply.

#### Air Conditioning

The vapor cycle air conditioning system consists of an engine-driven compressor, forward evaporator, aft evaporator, condenser and two blowers. The front pilot area and the rear passenger area can be separately controlled through the digital touch screen display. Cool air is distributed via 12 gaspers to maintain a comfortable temperature throughout the cabin.

#### Special Operations:

Turned Out Exhaust Stacks Recommended for use with the roll down door, the turned out exhaust stacks direct the exhaust away from the fuselage to greatly reduce exhaust fumes near the aft door.





KodiakCare is an insurance policy — a personal security blanket. Our customers know that their Kodiak adventures and experiences are backed by a worldwide team of professionals ready to assist in any way, at any time. The foundation of the program is the KodiakCare package.

Comprehensive Two-Year Airframe Warranty

Each new Kodiak comes with an industry leading warranty. The Kodiak warranty is designed to be seamless, worry-free, and fast with online access to keep you flying. 24/7 Online Access to the Technical Publications Portal  
The Kodiak technical publications portal is provided with your new aircraft for two years from the date of purchase. The portal provides access to the technical information you need to operate and maintain your Kodiak anytime, anywhere.

24/7 AOG Response

Our number one commitment is serving the worldwide community of Kodiak owners with world-class service and support. AOG support is available 24 hours a day, 365 days a year by calling or emailing your team of dedicated, knowledgeable Kodiak technicians. 24/7 Technical Support is at your finger tips. Your team is always available via email or phone to answer questions and help with troubleshooting.

Second Day Freight on Warranty Parts

All warranty parts ship via UPS 2-day by air in order to get you back in to the air ASAP

Kodiak POH/AFM Revision Service

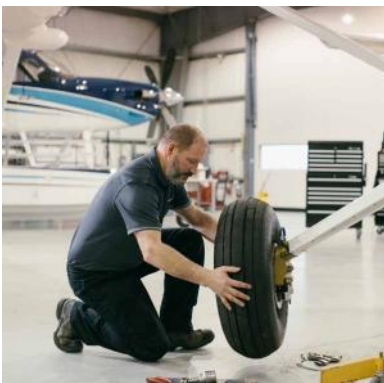
With the Kodiak Pilot’s Operating Handbook and Aircraft Flight Manual revision service, updates are automatically shipped to you whenever a revision to either manual is released during the first two years you own your Kodiak.

One-Year Enrollment to CAMP

By providing enrollment in the CAMP Engine Health Monitoring (EHM) and Maintenance Tracking (MTX) service programs at no charge, Quest empowers you with the tools to control your operational costs and maintain the aircraft’s resale value.

Two-Year or 400 Hours\* Enrollment in ESP

To protect the value of your investment and help defer engine depreciation, the ESP (Eagle Service Plan) Gold Lite program is provided at no charge – a value of up to \$50,000 towards covered engine maintenance. (Up to 400 hours Total Time Since New or two years from date of aircraft delivery, whichever occurs first, for engines enrolling when new.)



### Performance      Productivity      Profit

For just about any destination in the world, the Kodiak can get you there. Cruising at 12,000 feet at 174 KTAS, it has a **range** of over 1005 nm, sipping 48 GPH of Jet-A.

The Kodiak Series II fills the gap between long haul jets and a long grueling drive. Outfitted for comfort and focused on safe, affordable trips, the Kodiak makes it possible to fly frequent trips to remote worksites or even eliminate field offices. Unlike most of the executive aviation options, the Kodiak does not need a paved runway, and it can be flown by a single pilot.

With direct operating costs that are less than most piston twins, the Kodiak allows you to spend more time flying and generating income. Modern avionics and turbine reliability bring comfort and reassurance to your passengers while reducing downtime for maintenance and lost productivity.



### Business Interior Options      Summit™

The Kodiak is the perfect solution for your charter flight or business operations. There is the option of the very roomy and upgraded 6-passenger Summit interior, while maintaining the payload capacity and climb performance that makes the Kodiak famous worldwide. The Summit interior includes beautiful leather and wood appointments. The cabin is fully air conditioned with individual USBs, headset ports, LED lights and air control. There is ample room for baggage and equipment both in the body of the plane and in the optional cargo pod.

#### Summit Seats

- All-leather, fully adjustable seats
- Full recline function so you can stretch out and relax
- Individual tracking systems for additional leg room at each seat
- Adjustable headrests
- Fold down arm rest
- Comfortable car-like safety harness
- Easy access to microphone/headphone jacks and oxygen

#### Other Amenities

- Individual storage pockets in the sidewall at each seat
- Cupholders in both the cabin and cockpit
- Overhead PSU air and LED lighting units at each seat
- Club seating with two fold-out tables (one on each side)
- Two cabinets with a combined 2.5 cubic feet of space
- Cabinet features include removable ice bins, thermos



## Tundra™

Tundra base interior is lightweight, yet it can withstand the heavy use typically seen in charter operations that carry a combination of passengers and freight. The leather seats are easily removed (about 30 seconds each) and stowed in the optional cargo pod for effortless conversion between passengers and freight. The floor is protected with a layer of rubber compound which provides a rugged anti-skid surface. Vents provide fresh air and reading lights at each of the 8 passenger stations. Headset jacks are located at each passenger seat to allow everyone on board access to the aircraft's intercom system.



The Interior Package comes in warm beige or cool gray. The standard interior comes with:

- 2 Tundra crew seats
- 4 Tundra passenger seats
- Slip-resistant flooring
- 8 Passenger headset jacks
- 8 Passenger PSU vents and LED reading lights
- 2-place oxygen system for crew
- Full cabin ventilation control system
- Individually controlled pilot and passenger space AC



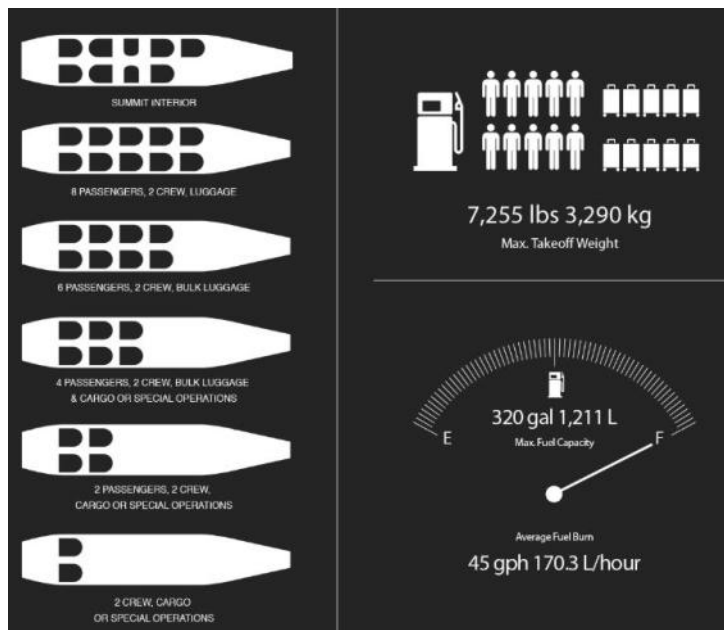
## Timberline™

A step up from the Tundra, the Timberline offers all the functionality of the Tundra, but with upgrades like carpeted interior, faux leather accent panels, seat storage pockets, and cup holders, you'll be flying in style. Timberline seats have additional bolstering for added comfort, and the removable carpet provides extra comfort, warmth, and soundproofing. If you're looking for the ruggedness of the Kodiak, but aren't willing to sacrifice comfort, Timberline is the interior for you.

The Interior Package comes in warm beige or cool gray.

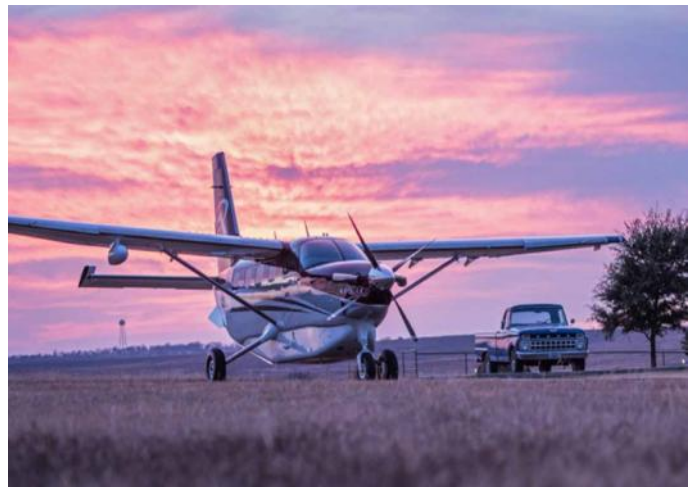
The standard Timberline interior comes with:

- 2 Timberline crew seats
- 4 Timberline passenger seats
- Slip-resistant flooring
- Decorative arm ledge
- Removable carpet
- 8 Passenger headset jacks
- 8 Passenger PSU vents and LED reading lights
- 2-place oxygen system for crew
- Storage pockets in the sidewall beside each seat
- Cupholders in both the cabin and cockpit
- Individually controlled pilot and passenger space AC





*Flying and owning a Kodiak II is FUN*



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