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**Avionics**

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Garmin G1000 fully integrated avionics glass panel flight deck with a large-format, high-resolution display system consisting of:

Dual high definition color LCD displays - GDU 1040 10.4" primary flight display (PFD) and 1043 multi-function display (MFD) with XGA (1024 x 768 pixels) resolution, wide viewing angles, and clear sunlight readability

Comm 1 - Garmin GIA 63 communications 16-watt transceiver (118.00 to 136.992 MHz with 8.33 KHz channel increments); WAAS - upgradeable to C146

Comm 2 - Garmin GIA 63 communications 16-watt transceiver (118.00 to 136.992 MHz with 8.33 KHz channel increments); WAAS - upgradeable to C146

Nav 1 - Garmin GIA 63 VOR/ILS/LOC receiver tuning (108.00 to 117.95 MHz)

Nav 2 - Garmin GIA 63 VOR/ILS/LOC receiver tuning (108.00 to 117.95 MHz)

Dual GPS - IFR oceanic - C129A approved GPS internal to GIA 63's

Transponder - GTX 33 integrated Mode S transponder with traffic information service (TIS\*) [\*TIS is for domestic customers only]

AHRS 1 - Garmin GRS 77 integrated solid-state attitude heading and reference system, and GMU 44 magnetometer

ADC 1 - GDC 74 integrated digital air data computer

Audio/marker system - GMA 1347; audio control panel and intercom system with associated aural tones

TAWS B - integrated Class-B terrain awareness and warning system (TAWS) with worldwide terrain or domestic terrain and obstacle database

EIS engine indication advisories - function of MFD or PFD in reversionary mode

GEA 71 engine airframe data concentrator displayed on MFD

AFCS - GFC 700 integrated automatic flight control system (AFCS); flight director (FD) computations are performed with the remote mounted autopilot within the GSA 80 servos

WX data link - GDL 69A

Hand-held microphone (mounted on end of armrest between pilot's and copilot's chair)

Cockpit speaker

Static wicks

Avionics master switch

Emergency Locator Transmitter (ELT) with cockpit switch

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**Engine Indication Display on G1000**

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Manifold pressure

Tachometer

Fuel flow with electronic fuel flow transducer

Individual cylinder head and exhaust temperature indicator

Oil pressure/oil temperature

Dual fuel quantity

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**Cockpit Instruments Display on G1000**

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Airspeed

Altitude

Attitude

Vertical speed

Turn coordination

HSI - horizontal situation indicator/heading

Alternator load meter

Bus voltmeter

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**Cockpit Instruments**

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Magnetic compass

Outside air temperature gauge

Pilot's control wheel LCD digital chronometer clock

Flight hour recorder

Standby Sigma Tek airspeed indicator

Standby AeroSonic altitude indicator

Standby MCI electronic attitude indicator with 45 minute battery backup

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**Engine And Propeller**

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Teledyne Continental Special Edition six cylinder IO-550-B fuel injected engine rated at 300 horsepower

Hartzell three blade, aluminum alloy, 80" diameter, constant speed propeller with polished spinner

Starter

Gear driven alternator

Dual pressure auxiliary fuel pump  
Induction air filter  
Stainless steel muffler with cabin heater  
Stainless steel exhaust manifolds  
Full flow oil filter  
Non-congealing oil radiator  
Finger-tip opening and closing of engine cowl

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**Landing Gear And Brakes**

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Tricycle type with electro-mechanical extension and retraction system  
Steerable nose landing gear with shimmy damper and Beech oil-air strut  
Main wheel tires (tube type) - 7.00 x 6  
Nose wheel tire (tube type) - 5.00 x 5  
Two-spot hydraulic disc brakes  
Fully enclosed nose and main landing gear  
Auxiliary landing gear extension control  
Throttle and flap controlled, landing gear-up warning horn, and annunciator light  
Throttle controlled, landing gear retract prevention system

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**Systems And Controls**

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Conventional dual column, three axis control system with adjustable pilot's (left side) rudder pedals  
Adjustable copilot's (right side) rudder pedals  
Individual toe operated pilot's and copilot's brakes  
Parking brake with hand control  
Electronic stall warning horn  
Adjustable aileron and dual elevator trim tabs  
Pedestal mounted throttle, propeller and mixture control levers  
Defroster control  
Ventilation and heating controls  
Electrically actuated three position Fowler type flap controls  
Manual cowl flap control  
Alternate static air source  
Heated pitot tube  
Dual static air ports

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**Electrical 28 Volt D.C. System**

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100 Ampere alternator  
20 Ampere secondary alternator

15.5 Ampere/hour battery  
3.5 Ampere/hour battery  
Voltage regulator  
Over-voltage regulator  
External power receptacle  
Electrical circuit protection

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**Internal Lights**

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Electroluminescent subpanel lighting  
Instrument panel floodlighting in glareshield  
Landing gear position lights  
Flap position indicator lights  
Trim tab position indicator lights  
Pilot's and copilot's white control wheel map lights  
Adjustable reading lights above all passenger seats  
Entrance door and rear step courtesy lights and timer  
Outside air temperature gauge light  
Fuel tank selector light

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**External Lights**

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Landing light in cowling  
Taxi light on steerable nose landing gear  
Wing tip and tail navigation lights  
Anti-collision red flashing lights on vertical tail  
Bottom mounted white oscillating beacon  
Wing tip and tail strobe lights

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**Cabin**

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Ventilation blower  
Fresh air ventilation system with eight individual outlets  
One piece windshield  
Pilot's openable storm window  
Windshield and windows with ultraviolet protection  
Windows tinted in light gray  
Center club seating window openable for ground ventilation, has positive lock to prevent opening in flight, and may be used as emergency exit  
Super soundproofing  
Glove compartment in instrument subpanel  
Adjustable front seat sun visors  
Cabin fire extinguisher\*

\*Warning - contains Halon substance which harms public health and environment by destroying ozone in the upper atmosphere

Large double doors for easy passenger boarding or cargo loading  
Four coat hooks  
Four cupholders  
Extended aft baggage compartment with hanging clothes bar  
Removable nylon shelf in aft baggage area  
Removable nylon webbing in aft baggage area  
Capable of cargo storage on aft cabin floor  
Baggage restraint webs and 5<sup>th</sup> and 6<sup>th</sup> seat support straps

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**Seats And Interior Furnishings**

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Pilot's and copilot's seats with headrest, lumbar support, shared armrest, inertia reel shoulder harness with matching lap belt; four position cam lever seat back adjustment  
Pilot's sidewall storage pocket  
Club seating arrangement:  
Aft facing 3<sup>rd</sup> and 4<sup>th</sup> seats with headrests, lumbar support, shared armrest, inertia reel shoulder harnesses with matching lap belts, and four position cam lever seat back adjustment  
Forward facing 5<sup>th</sup> and 6<sup>th</sup> seats with reading lights, air outlets, headrests, and inertia reel shoulder harnesses with matching lap belts  
Executive writing desk on left side with Acajou Mahogany laminate  
Seats and sidewalls available in standard leather colors at no additional cost  
Horizontal trim panel with Acajou Mahogany wood or standard leather colors at no additional cost  
Sidewall has been redesigned and transformed into a modern molded contour that provides maximum cabin width and more comfort

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**Loose Equipment**

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Aircraft model  
One Telex Twinset headset (emergency backup)  
Tow bar  
Pitot tube covers  
Gust lock assembly  
Engine winter baffles  
Flight bag  
Oil drain probe

Fuel tester and drain tool  
Aircraft log book  
Engine log book  
Engine manuals  
Propeller log book  
Service and safety information materials  
Avionics wiring diagrams  
Avionics pilot guides  
Passenger briefing cards  
Pilot's Operating Handbook and FAA approved Airplane Flight Manual  
Aft cabin cargo web  
Touch-up paint kit  
Electronic Publication System (REPS) including the following: maintenance library, service bulletin library

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**Additional Features**

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60<sup>th</sup> anniversary emblems on exterior of aircraft  
Exterior high solids urethane paint  
Complete internal polyamide epoxy corrosion proofing  
Quick removable fuel tank caps  
Stainless steel cabin assist step

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**Training Entitlement\***

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\*Note: training entitlements expire within one year after delivery

**One pilot, seven day course**

Minimum prerequisites - Private Pilot Airplane license; Single Engine Land license  
Preferred prerequisite - Instrument rating

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**General Standard Warranty\***

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\*Standard warranty coverage is for "normal" use only. Not for fractional aircraft or high utilization operators

Factory manufactured parts - five years (no hours limit)  
Systems and components (parts not manufactured by factory) - two years (no hours limit)  
Exterior paint and interior finish items - two years (no hours limit)  
Garmin avionics - two years (no hours limit)  
Teledyne Continental Special Edition engine - 36 months or 1,000 hours (whichever occurs first, balance of remaining engine hours at time of delivery) [some components and accessories limited to one year]