2021 Bell 407GXi – S/N: 54941, R/N: N195DJ

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- **Total Time -** 205 hours
- **Engine**: Rolls Royce 250-C47E/4, 862 SHP
  Dual FADEC (Full Authority Digital Engine Control)
- **Factory Warranty –** Until Nov. 2026
- **Bell Service Center Maintained, One Owner Since New, Good Records, Available Now, Located Eastern USA**
- **Delivery** –Worldwide Delivery Options Available
- **Interior:** Corporate Interior with tan all leather seats and matching carpets
- **Exterior:** Blue

Configuration

- Dual Controls
- Rotor Brake
- Fuel Filter Protector
- Bleed Air Heater w/ Windshield Defrost
- Air Conditioner w/ Dual Forward Evaporators
- Wire Strike Protection System
- High Vis - M/R Blades
- High Skid Gear -w- Flitesteps
- 5250 lbs Max. Gross Weight
- Expanded Avionics Shelf
- Tail Rotor Camera
- Engine Inlet Particle Separator
  w/ Engine Bleed Air Network
- Jettisonable Crew Doors
- Pneumatic Door Openers (5)
- Pre-Flight Kit w/ Folding Maint Steps
- Spacemaker & Cover
- Rubber Mounted Chin Bubbles
- Aux Fuel Provisions
- Aux Fuel Tank Equipment (19 Gal)
- Locking Fuel Cap Kit
- Baggage Compartment Edge Protector
- Baggage Floor Protector
- Main Rotor Blade Folding Kit (Paravion)
- Main Rotor Blade Expanding Bolts (2)
- Crew Wedge Windows w/ Sliders
- Cabin Wedge Windows w/ Sliders
- Copilot Tail Rotor Pedal Safety Kit
- Dual Controls Hanger Kit
- Window Locks
- Snow Deflectors w/ DZUS Fasteners
- Corporate Soundproofing
- Corporate Seats - Passenger and Crew
- Corporate Armrests
- ICS – 7 Place w/ LEMO jacks
- LED Lighting Exterior & Interior
- USB Aux Power Ports (x2) in Cabin (x1) in Cockpit
- Cockpit/Cabin Floor Protection Kit
- Leather Center Map Pocket
- Leather Flight Manual Pocket
- Crew Assist Handles

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Avionics

- Glass Cockpit - G1000H NXi (Garmin)
- 2-Axis AFCS – Coupled Autopilot
- Radar Altimeter - GRA 55
- Traffic Avoidance System – GTS 800 TAS
- Flight Stream 510
- Artex C406-NHM ELT w/ PGM Adaptor
- Standby Flight Instruments
- Avionics Console Glove Box

Note: Aircraft subject to prior sale or withdrawal from market. Specifications, times, and prices are subject to change. Some of these descriptions and data are barrowed from Bell's Product Specifications and provided for illustration purposes. Buyer should confirm specifications and information for themselves and consult BHTI maintenance documents for current official information. *Call for additional details.* 421101

Garmin G1000H® Nxi

According to Bell Product Specifications

The Garmin G1000H® NXi Integrated Avionics System in the Bell 407GXi has been designed to improve situational awareness and reduce pilot workload through easy to read displays of critical flight information, tuning of communication and navigation frequencies, and simple flight planning management. The Bell 407GXi's standard configuration G1000H® NXi includes the Synthetic Vision System (SVS) and initial installation of the HTAWS and Navigation database [1]. The system has two SD card slots to facilitate data Input/Output tasks such as flight plan and database uploading or critical flight data downloads. The system takes advantage of the latest in display, computer processing, and digital data bus technology to provide a high degree of redundancy, reliability, and flexibility.

The main components of the Garmin G1000H® NXi

- Two 10.4" (26.4 cm) GDU 1050H high-definition LCD displays (interchangeable PFD/MFD)
- Two GIA 64H Integrated Avionic Units, including:
  - GPS / WAAS Receiver
  - VHF COM Transceiver
  - VHF NAV and Glideslope Receivers
  - Aural Alert Generation
- GEA 71HB Engine and Airframe Unit (signal processing of engine parameters and major system sensors)
- GSU 75 Air Data and Attitude Heading Reference System and GMU 44 Magnetometer
- GMA 350Hc Audio System [2]
- Garmin GTX-335R Transponder

Notes: [1] Database subscription updates are the responsibility of the helicopter owner/operator.
[2] Integrated Marker Beacon Receiver capability is available with customizing of a Marker Beacon Antenna, and 3D Audio capability is available with customizing of stereo headsets.

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BELL 407GXi Autopilot Kit *(Reference Bell Product Specifications)*

The optional 2-axis autopilot is a Bell 407GXi specific kit. It features greater capabilities at a lower cost and is the only kit that is fully-integrated with the Garmin G1000H™ avionics suite to display autopilot modes, hold references, audio alerts and CAS messages. This kit provides enhanced lateral and longitudinal stability in low-speed flight and a cyclic force trim release switch, a beep reference switch, pitch/roll/yaw hands-on stability augmentation, and pilot-initiated automatic recovery.

The modes and annunciations of the Bell 407GXi autopilot include:

Autopilot (AP) Modes

- Attitude hold
- Heading hold

Couples AP Pitch Axis Modes

- Altitude hold
- Altitude preselect
- Airspeed hold
- Glideslope capture and track (with Radar Altimeter installed)

Coupled AP Roll Axis Modes

- Heading select
- FMS flight plan following
- VOR capture and track (with Radar Altimeter installed)
- Localizer capture and track

PFD Annunciations

- Pitch/Roll mode indications
- Bell/Hold references
- Out-of-Detent indications
- AFCS-related CAS messages

Bell 407GXi Flight Deck with Autopilot

The Bell 407GXi autopilot Stability and Control Augmentation System (SCAS) significantly reduces pilot workload by providing precise control during all modes of flight, regardless of wind conditions or the aircraft's center of gravity. It also features a recovery mode which allows the aircraft to safety exit inadvertent IMC or unusually attitudes if a pilot loses visual references due to limited visibility conditions. Upon initiating the autopilot "Go Around" mode using the collective or mode panel switch, the Bell 407GXi autopilot system will level the pitch and roll attitude of the aircraft. The pilot can them apply power using the collective for a wings-level climb at best climb rate airspeed (70 KIAS) to safely navigate through the appropriate emergency or initiate a go-around procedure.

2021 Bell 407GXi

EXECUTIVE SEATING AND INTERIOR TRIM

According to Bell Product Specifications

The executive cabin seating consists of five ‘overstuffed style’ seats with individual seat belts and single strap a shoulder harnesses, arranged with two extra wide forward facing outboard seats and middle seat for occasional use across the rear of the cabin (with a fold down arm rest between the outboard seats) and two individual rearward facing seats aft of the cockpit. The executive interior trim consists of full plastic closeouts on all airframe areas, fabric covered outboard headliner blankets, and armrests covered with color coordinated leather. The flooring is 100% wool cut pile carpet.

Tan All Leather Seats, Matching Carpet & Seatbelts

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Basic Bell 407GXi Configuration

AIRFRAME

- Cabin; bonded aluminum honeycomb, and semimonocoque structure with composite side panels and aft fuselage skins
- Doors (five), one hinged double door and copilot door on left side, pilot and passengers on right side, all doors are composite material
- Landing gear, tubular skid type with replaceable skid shoes
- Locks for cabin doors and luggage compartment
- Luggage compartment with composite door
- Provisions for mooring, jacking and single point lifting
- Tail boom, monocoque structure with vertical fin and fixed stabilizer
- Tail skid (tail rotor guard)
- Windows (except windshield), gray tinted plexiglass
- Three color exterior paint schemes

INTEGRATED AVIONICS SYSTEM with GARMIN G1000H® NXi SUITE

- Two 10.4" high definition display units, providing Primary Flight Display (PFD) and Multi-Function Display (MFD) functionalities
- Two Integrated Avionics Units, each consisting of a 16-watt VHF communication transceiver with 8.33 kHz spacing, VHF navigation, WAAS GPS navigation, and glideslope receiver
- One audio control panel with clearance recording and Automatic Speech Recognition (ASR) capability
- One digital Air Data Computer (ADC) with Outside Air Temperature (OAT) probe
- One Air Data and Attitude Heading Reference System (ADAHRS) and magnetometer
- One mode S transponder with extended squitter, including Traffic Information Service (TIS), with ADS-B "Out" capability
- One engine and airframe interface unit
- One engine signal conditioner
- Tail rotor video camera system with capability to view approximately 25 feet in complete darkness
- Synthetic Vision System (SVS), and Helicopter Terrain Awareness and Warning System (HTAWS) features

INTEGRATED AVIONICS SYSTEM with GARMIN G1000H® NXi SUITE (continued)

- Integrated Engine Indication and Crew Alerting System (EICAS), including Power Situation Indicator (PSI) that provides an integrated display presentation of all critical engine parameters into a single indicator to present the power "margin" remaining
- Fuel flow indication with range ring display capability
- Flight Data Recording of 60 standard aircraft and engine parameters and 40 customer selectable parameters

ELECTRICAL

- 28 volt DC system
- Battery, 17 amp-hour nickel cadmium
- External power and grounding receptacle
- Starter-generator (180 ampere)
- Solid state voltage regulator
- 28 volt outlet in cockpit
- Heated pitot tube and Static ports
- LED lighting:
  - Anticollision strobe
  - Cockpit / map
  - Instrument
  - Landing
  - Position

INTERIOR

- 7-place interior with soundproofing, carpeting, and data case. Color options available for upholstery and carpet
- 7-place shoulder harnesses, dual straps in cockpit, single strap in cabin
- Fire extinguisher, cabin
- First aid kit
- Parcel shelf (behind aft seat)
- Ram air ventilation system
- Storage area behind pilot and copilot seats

Basic Bell 407GXi Configuration

Referencing Bell product specifications

LOOSE EQUIPMENT (not included in empty weight)

- Covers, engine inlet and exhaust stack
- Cover pitot tube
- Flight bag
- Ground handling wheels with lift tube
- Operating manuals:
  - Rotorcraft flight manual
  - Aircraft log book
  - Engine log book
- Aircraft maintenance manuals are available on ePubs located here: mybell.com
- Tie-down assemblies, main rotor and tail rotor

POWERPLANT

- Rolls-Royce Model 250-C47E/4 turboshaft engine with dual digital FADEC.
- Fuel pump, engine driven
- Fuel pumps (4 canister type) with 2 boost pumps submerged in main tank, and 2 transfer pumps in the forward fuel tanks
- Crashworthy Fuel System
- Oil system with sight glass
- Compressor wash provisions
- Engine mounted 3-micron oil filter

ROTORS AND CONTROLS

- Main rotor, soft in plane flex beam hub with four fiberglass blades
- Tail rotor; two fiberglass blades, semirigid
- Hydraulic boost system for Main and Tail Rotor (separate pump and reservoir)
- Mechanical flight control linkages throughout
- Airspeed Activated Pedal Stop (AAPS) with built in test function, electrical override release switch, and manual override release

TRANSMISSION DRIVE SYSTEM

- Soft mounted pylon isolation system
- Freewheeling unit (between engine and main transmission)
- Kaflex input drive shaft
- Gearbox, tail rotor, 90° reduction
- Main transmission
- Oil cooler
- Oil filter with replaceable type cartridge
- Oil pump, constant pressure

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Component Overhaul

COMPONENT OVERHAUL INTERVALS

Component	Hours	Component	Hours	Component	Hours
M/R Hub	2,500	Swashplate	2,500	Rotor Brake Caliper Assy	3,600
Mast Assy	2,500	Tail Rotor Gearbox	5,000	Rotor Brake Disk	12,000
Transmission	5,000	Tail Rotor Hub	2,500	Starter Generator	1,200
Freewheeling Assy	3,000	K-Flex Drive Shaft	2,500		

Note: Analysis of Lead-the-Fleet performance data continues to permit extension of TBOs beyond 2,500 hours for drive train components.

LIMITED LIFE COMPONENTS

Part Number	Component	Life Limit (hours)	Qty Per Aircraft
MAIN ROTOR HUB AND BLADES			
406-010-108-131	Main Rotor Grip	5,000	4
406-010-115-127	Main Rotor Upper Plate	2,500	1
406-010-117-125	Main Rotor Lower Plate	2,500	1
406-010-126-113	Drive Ring Set	100,000 RIN	1
MAIN ROTOR CONTROLS / SWASHPLATE ANTI-DRIVE			
406-010-432-101	Anti-Drive Link	5,000	1
406-010-431-109	Anti-Drive Lever	5,000	1
407-001-524-109	Collective Transmission Bellcrank	5,000	1
407-001-526-109	Cyclic Longitudinal Bellcrank	5,000	1
407-001-528-105	Cyclic Lateral Transmission Bellcrank	5,000	1
407-001-511-101	Bell Crank Support	5,000	1
TAIL ROTOR			
406-012-102-109	Tail Rotor Yoke	5,000	1
DRIVE SYSTEM			
407-040-038-123	Main Rotor Mast	5,000	1
PYLON SUPPORT			
407-010-201-105	Left Hand Pylon Side Beam	5,000	1
407-010-203-105	Right Hand Pylon Side Beam	5,000	1
407-010-206-103	Pylon Restraint Spring	5,000	2
LANDING GEAR			
407-722-101	Standard Landing Gear Aft Crosstube [1]	5,000 RIN	1
407-723-104	Standard Landing Gear Aft Crosstube [1]	5,000 RIN	1

Notes: Prices and hours are subject to change without notice. These data are provided for illustration purposes. Consult maintenance documents and BHTI spare parts pricing for current, official information.

[1] Assumes 1.5 RIN per flight hour.

Specification Summary (U.S. Units)

Weights shown are for base aircraft, options and configuration will cause variation in the actual aircraft's weight.

WEIGHTS (LB)

Empty Weight (Base Aircraft) [1]	2700	Max Gross Weight with External Load	6,000
Max Internal Gross Weight (Normal / Optional [2])	5,000 / 5,250	Maximum External Load (Cargo Hook Limit)	3,100
Useful Load (Base Aircraft, Normal / Optional [2])	2,300 / 2,550		

PERFORMANCE SUMMARY [3] (International Standard Day except as noted)

			Takeoff Gross Weight (lb)			
			4,000	4,500	5,000	5,250 [2]
IGE Hovering Ceiling	ISA	ft	19,900	16,790	13,550	5,420
	ISA + 20 °C	ft	17,160	13,410	9,960	3,140
	ISA + 30 °C	ft	15,380	11,580	7,880	2,070
OGE Hovering Ceiling	ISA	ft	18,720	15,260	11,940	5,420
	ISA + 20 °C	ft	15,540	11,730	8,270	3,140
	ISA + 30 °C	ft	13,720	9,760	5,850	2,070
Service Ceiling (MCP)	ISA	ft	20,000+	20,000+	18,940	17,490
	ISA + 20 °C	ft	20,000+	19,230	16,050	14,510
	ISA + 30 °C	ft	20,000+	17,720	14,320	12,650
Maximum Cruise Speed (True Airspeed)	SL, ISA	ktas	136	135	133	132
	SL, ISA + 20 °C	ktas	138	136	134	133
	4,000 ft, ISA	ktas	141	140	136	134
	4,000 ft, ISA + 20 °C	ktas	141	138	134	131
Cruise at Long Range Cruise Speed (LRC)						
Range (Standard Fuel, No Reserve)	SL, ISA	nmi	350	344	337	332
LRC Speed (Average True Airspeed)		ktas	118	118	120	120
Range (Standard Fuel, No Reserve)	4000 ft, ISA	nmi	393	383	373	365
LRC Speed (Average True Airspeed)		ktas	118	119	120	120
Endurance at Loiter (60 kias)	SL, ISA	hr	4.2	4.1	4.0	3.9
(Standard Fuel, No Reserve)	4,000 ft, ISA	hr	4.7	4.5	4.3	4.2

ENGINE RATING

Rolls-Royce 250-C47E/4 with Full Authority Digital Electronic Control		
Takeoff Horsepower	Uninstalled Thermodynamic Capability	862 SHP
	Mechanical Limit	674 SHP
Maximum Continuous	Uninstalled Thermodynamic Capability	761 SHP
	Mechanical Limit	630 SHP

TRANSMISSION RATING (Engine Output)

Takeoff Horsepower (5 minutes)	674 SHP
Maximum Continuous	630 SHP

FUEL CAPACITY (Usable)

Standard	127.8 US Gallons
Auxiliary (Optional)	19.0 US Gallons

Notes: [1] The Empty Weight (base aircraft) includes 7-place upholstered interior with individual seat belts, carpeting, and soundproofing material. Ballast is not included since it is a function of installed optional equipment. 13 pounds of oil is included.

[2] Operation at Internal Gross Weight above 5,000 pounds requires the Optional Increased Internal Gross Weight Kit.

[3] Refer to demonstrated takeoff and landing and maximum operating altitude notes on the performance charts.

Bell 407GXi

Dimensions- High Skids

Referencing Bell product specifications