



# BELL 505



EXPERIENCE THE WORLD IN NEW WAYS





**Flying a Bell 505 is the closest you can be to  
having absolute freedom.**

**Cyrus Sigari**  
Bell 505 Pilot and Owner



**Bell NC-1H, the World's first  
commercially certified  
helicopter, father of the  
Bell 47 series, with Floyd Carlson  
demonstrating its stability**

**Circa 1943**

---





## HISTORY

Thinking above and beyond is what we do. For more than 85 years, we've been reimagining the experience of flight — and where it can take us.

We are pioneers. We were the first to break the sound barrier and to certify a commercial helicopter. We were a part of NASA's first lunar mission and introduced tiltrotor systems to the world. Today, we're elevating the commercial helicopter market with advanced aircraft and technology.

Above all, our breakthrough innovations deliver exceptional experiences to our customers. Efficiently. Reliably. And always, with safety at the forefront.



RADIO CALL

GARMIN

NAV VOL PUSH ID  
PUSH 1-2  
HDG  
PUSH HDG SYNC

NAV 109.90 ↔ 113.00 POD GS \_\_\_KT DTK \_\_\_ TRK \_\_\_ ETE \_\_\_ 118.200 ↔ 135.150 COM

### Aux - Weight and Balance

ENG  
P 0 T 62

XMSN  
P 2 T 58

GEN  
0 A  
26.3 V

FUEL  
0 PPH  
185 LBS

Station vs Weight - Longitudinal

Loaded Weight LB

158 160 162 164 166 168 170 172 174 176  
Loaded Station - Inches Aft of Datum

Take Off ▸ Landing ▢ Current ◆  
Internal Envelope ☐ Fuel Burn \_\_\_\_\_

Aircraft Load

COPILT	PILOT	
220.0	190.0	
PSNGR1	PSNGR2	PSNGR3
200.0	0.0	220.0
BAGS	0.0	

Aircraft Weight and Balance

Basic Empty Weight	2275.0	Hook Weight	0.0
Zero Fuel Weight	3105.0	Current Weight	___
Fuel on Board	188.0	LAT Station	___
Ramp Weight	___	LONG Station	___
Takeoff Weight	___		

Estimated Weight \_\_\_ Fuel Reserves 70.0  
Est Landing Weight \_\_\_ Excess Fuel \_\_\_

Press FOB Sync or enter Fuel on Board to confirm fuel.

Engine Graph Hook WT FOB Sync Config Confirm Checklist

COM VOL PUSH ID  
PUSH 1-2  
CRS BARO  
PUSH CRS CTR  
RANGE  
PUSH PAN  
FMS ALT

NAV VOL PUSH ID  
PUSH 1-2  
HDG  
PUSH HDG SYNC

NAV 109.90 ↔ 113.00 POD

20  
10  
240

HDG 101  
NO WIND DATA

GS \_\_\_KT OAT 31°C  
Map/HSI TFC Map PFD Opt

THIS AIRCRAFT IS APPROVED FOR

CLOSED VENT  
PUSH OFF INT LT

PUSH TO CLOSE



## WELCOME TO THE BELL 505

Experience the most advanced, dynamic helicopter in its class. Designed by a collaborative team of pilots, maintainers and operators from around the world to deliver an unprecedented customer experience, the Bell 505 combines the latest avionics and engine power with world-renowned reliability, built over decades of success. Discover the world around you and the power of flight like never before. Whether taking the controls or watching from the passenger seat, enjoy a thrilling ride that can take you from white sand beaches to snow covered mountain peaks. Wherever you want to go, the Bell 505 is prepared to take you there at a moments notice.

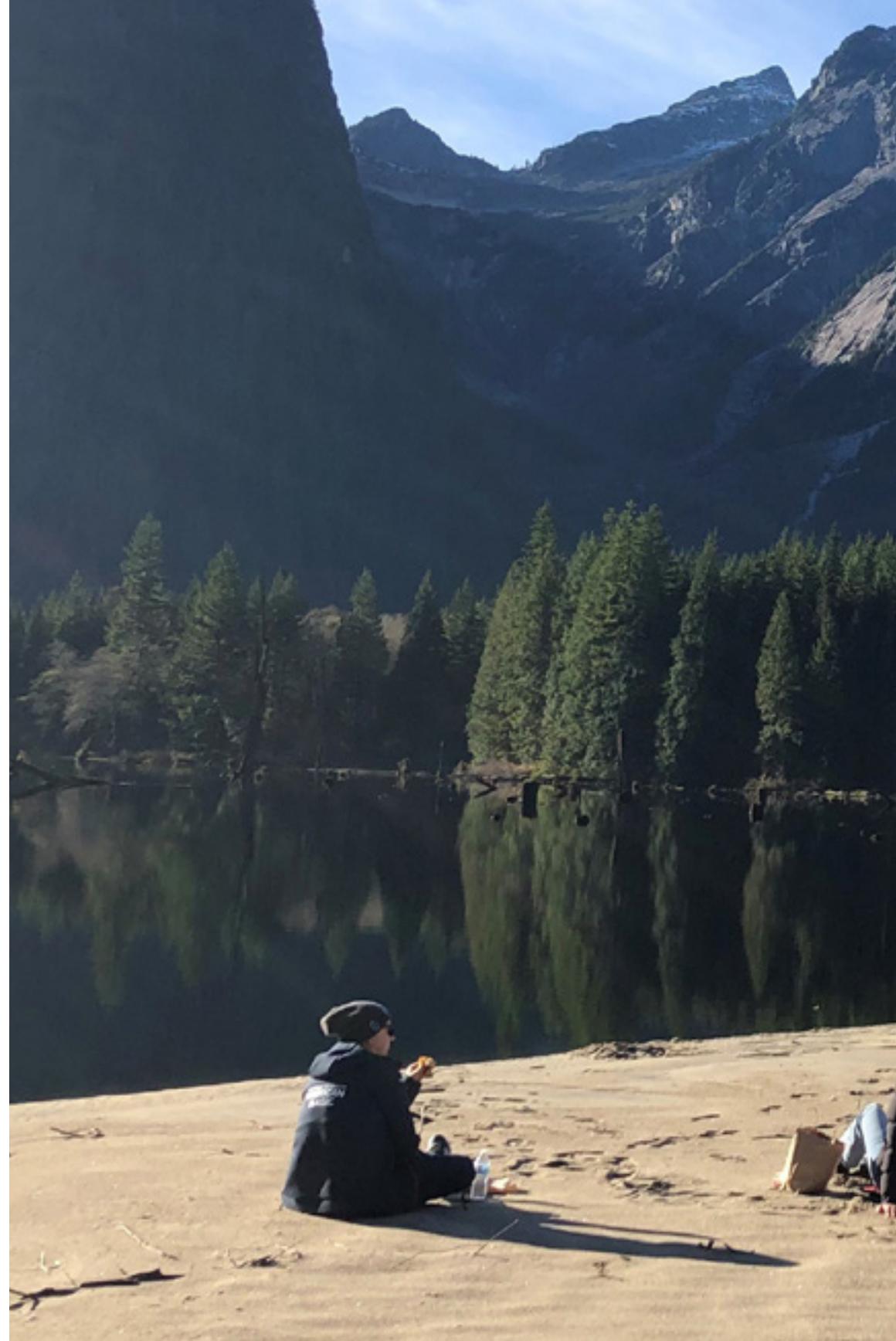
---



**Many of the places we're going are hard to reach — if there's a breakdown, we're stuck for a while. We have confidence in this machine to get us in and out of; fishing, hiking, swimming, adventures with the kids, as well as camping trips and explorations throughout the Coast Mountains. We always have a couple of fishing rods or outdoor gear in the back. [The Bell 505] has lots of room, and lots of flexibility. We live in an amazing place to be able to do this sort of thing. It's a privilege.**

**David Sprague**

Bell 505 Pilot and Owner









## BEYOND THE EVERYDAY

Discover the ultimate off-road vehicle. Access the places thought previously unreachable or even untouched. Hiking, fishing, skiing, biking, camping, golfing or just an afternoon picnic are made more exhilarating when you fly in a Bell 505. Set your aircraft atop a sand bar for the day or in a desert vista for the night; the choices are endless when your need for an airport is eliminated. The large cabin easily reconfigures to bring the active or leisure gear you need, from tents and bicycles to fishing rods and everything in between. Make new memories and break the bonds of city streets while journeying beyond the everyday adventure.



**It seems like everywhere we went we always chartered a helicopter to get into the back country to see what we wanted to see — it was just a natural progression to acquire a helicopter so we could see the nation and enjoy the areas that were hard to reach. A lot of people call it a time machine and I'll have to agree. To hop off an airplane then into a helicopter and 15 minutes later be in a location that would otherwise take you a day, it's a pretty awesome experience — a great way to connect with nature very quickly.**

**Rusty Robinson**

Bell 505 Pilot and Owner







## TIME IS OF THE ESSENCE

When no runway is required, head directly to your destination. Say goodbye to long drives from the airport and hello to stepping out of your aircraft and right into your mountainside cabin, forest campsite or beach front villa. Helicopters eliminate crowded terminals and lengthy ground transportation with their unique ability to land almost anywhere, ultimately delivering a much better vacation experience. Soar over crowded city streets or twisting mountain roads on your way to relaxation, and experience the best private, luxury transportation for you and your passengers.





**The cabin in the 505 is much more friendly for passengers; there's no question that they love it. The passengers feel much more involved and connected with no wall in the cockpit and their visibility is way better. The theater seating with higher seats is great. My kids love sitting in the back. They have lots of room, and they hook up the headsets to their tablets and just chill.**

**Neil Mclean**

Bell 505 Pilot and Owner







CAUTION  
ENERGY ATTENUATING SEATS  
NO OBJECTS ALLOWED UNDER SEATS

PARALLEL  
TAIL ROTOR





## **EXPERIENCE THE WORLD TOGETHER**

One of the greatest joys of flight is experiencing it with someone else. Seeing the world together, unrestricted by physical boundaries, lets you observe the natural beauty in ways you never thought possible — in turn, making memories that are unforgettable. Each passenger is treated to panoramic views with the Bell 505's unique stadium seating design ensuring each flight is more exciting than the last. After all, nothing comes close to cruising 500 feet above the ground in a Bell 505.

---

## TECHNICAL SPECIFICATIONS

	Imperial	Metric
Empty Weight	2,180 lb	989 kg
Internal Gross Weight	3,680 lb	1,669 kg
Useful Load	1,500 lb	680 kg
External Gross Weight	4,475 lb	2,030 kg
Hover Ceiling (In Ground Effect) <sup>1</sup>	14,450 ft	4,404 m
Hover Ceiling (Out of Ground Effect) <sup>1</sup>	10,460 ft	3,188 m
Service Ceiling <sup>1</sup>	18,610 ft	5,672 m
Max Cruise Speed <sup>1</sup>	125 knots	231 km/hr
Range (Cruise Speed, No Reserves) <sup>1</sup>	306 nm	566 km
Endurance (60 kts, No Reserves) <sup>1</sup>	3.9 hours	3.9 hours
Fuel Capacity (Jet A)	84.85 USG	321 L
Total Cabin Volume <sup>2</sup>	99 ft <sup>3</sup>	2.8 m <sup>3</sup>
Rear Cabin Volume	61 ft <sup>3</sup>	1.73 m <sup>3</sup>
Copilot Volume	38 ft <sup>3</sup>	1.08 m <sup>3</sup>
Baggage Compartment Volume	18 ft <sup>3</sup>	.51 m <sup>3</sup>

## Equipment

Engine	Safran HE Arrius 2R	
Type	Gas Turbine	
Takeoff Horsepower <sup>3</sup>	505 SHP	377 kW
Maximum Continuous Horsepower <sup>3</sup>	459 SHP	342 kW
Engine Control	Full Authority Digital Engine Control (FADEC)	

<sup>1</sup> Sea Level, ISA, Max Gross Weight

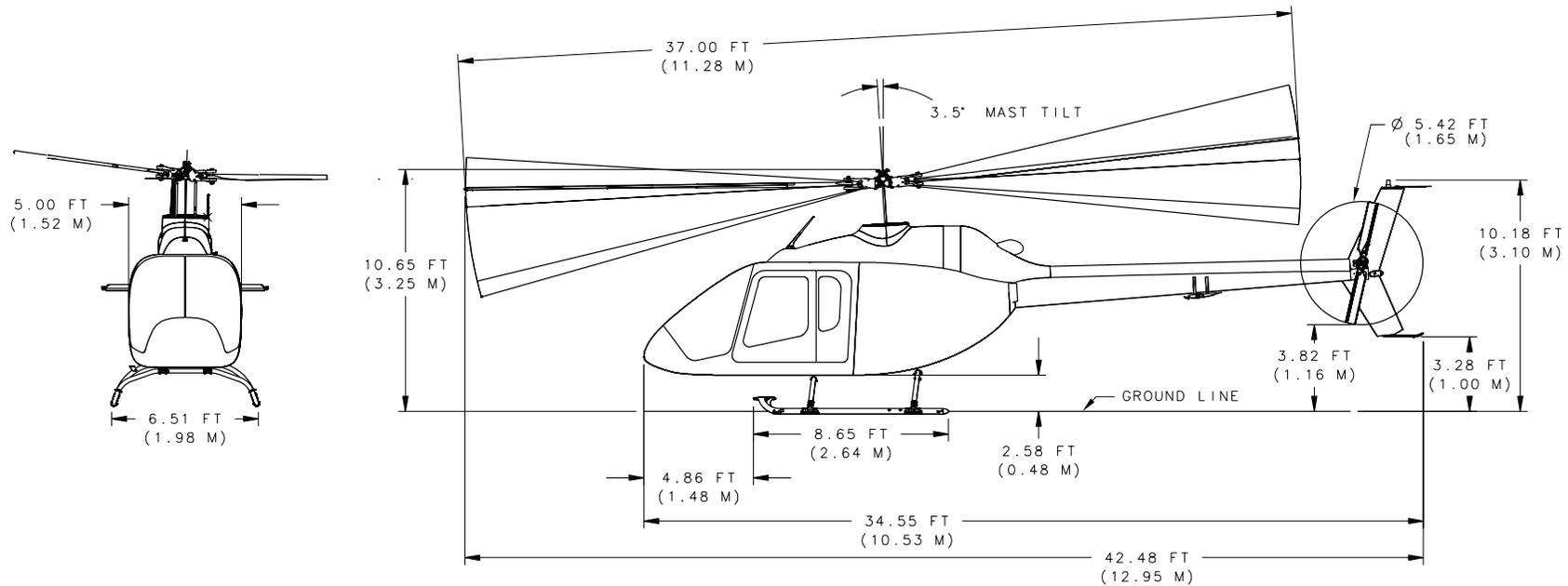
<sup>2</sup> Excluding Pilot Volume

<sup>3</sup> Uninstalled Thermodynamic Rating

## EXTERNAL PAINT SCHEMES



<b>Avionics</b>	Garmin G1000H NXi Integrated Avionics Suite
<b>Display</b>	GDU 1050H 10.4 inch/26.4 cm High Resolution LED Displays
<b>Navigation</b>	WAAS GPS based Moving Map with Integrated Sectional Charts, IFR Low, IFR High, Helicopter Route Charts, and Airport Facility Diagrams
<b>Transponder</b>	Mode S Transponder with Extended Squitter (ES), ADS-B Out and Optional ADS-B In
<b>Communication</b>	GMA 350Hc Audio Panel with Bluetooth
<b>Situational Awareness</b>	Standard Traffic Information System (TIS-B) and Moving Map with Obstacles and Terrain Optional FIS-B Weather, Synthetic Vision, Helicopter Terrain Awareness Warning System (HTAWS), and Traffic Advisory
<b>Engine Instrument and Crew Alert System (EICAS)</b>	Integrated engine display using Bell patented Power Situation Indicator (PSI) and visual and aural crew alert system on Primary and Multifunction Displays
<b>Optional Autopilot</b>	Two and Three Axis Autopilot Available





**It's probably everyone's dream to fly and, if you're going to fly, there isn't a fixed wing pilot out there that wouldn't admit they want to or would love to fly helicopters.**

**Mark Taylor**

Bell 505 Pilot and Owner





BELLFLIGHT.COM

© 2021 Bell Textron Inc. All registered trademarks are the property of their respective owners. The information herein is general in nature and may vary with conditions. Individuals using this information must exercise their independent judgment in evaluating product selection and determining product appropriateness for their particular purpose and requirements. For performance data and operating limitations for any specific mission, reference must be made to the approved flight manual. CML\_505 Book\_12"x9"\_210518\_R00