

**Avincis**  
*Every mission matters*



**BELL 412**

# *Specifications*

[www.avincis.com](http://www.avincis.com)

## ABOUT US

Avincis is one of the **world's leading emergency aerial services operators**. The environment we work in is challenging and complex, but our purpose is clear - we exist to save lives and protect communities wherever we serve.

As the largest provider of emergency aerial services in Europe - with additional operations in Africa and South America - governments trust us to deliver safe, reliable, and efficient services when their people are most in need.

Our areas of focus are: helicopter emergency medical services, air ambulance services, search and rescue, aerial firefighting, as well as dedicated emergency aerial transport for oil and gas platforms.

If you haven't heard of us that's because although we have been doing this vital work for decades, we often operate invisibly on behalf of our customers who are predominantly government organisations.

*In total, we operate from more than 180 bases across Spain, Portugal, Italy, Norway, Sweden, Finland, Mozambique and Chile.*

We oversee our global operations, from our headquarters in Lisboa, Portugal where we moved in 2023.

With a fleet of approximately **220 helicopters (180) and aeroplanes (40)**, Avincis counts on a team of more than **2,400 courageous and talented professionals**, including experienced pilots, crews, technicians, and support teams to deliver its unique service.

We are extremely proud of our diverse and multi-cultural workforce.

Our mixed fleet and global network of bases, means we can mobilise aircraft between countries, which not only provides us with efficiency gains, but also demonstrates the size, capacity and resources of the company as a group. These factors mean we can offer our customers more cost-effective solutions and distinguish us from other operators in the market.

We don't just fly amazing aircraft, we also maintain and fix them in our facilities where our on-site engineers and technicians have the capability to carry out complex repairs, rebuilds and modifications.

We also have an awesome in-house R&D team who focus on developing new innovative technologies as well as new training capabilities for the next generation of pilots, technical crew and engineers.

Our experienced pilots are trained to fly in the most challenging environments - they are there when lives are at risk and time is of the essence.

With a unique combination of cutting-edge technology and highly skilled personnel we can run emergency operations with the world's best safety standards wherever we fly.



**Our mission is to save lives and protect communities wherever we serve.**

## OUR NETWORK

# 55,000

WE COMPLETE APPROXIMATELY  
55,000 LIFESAVING MISSIONS A YEAR

# 73,000

WE FLY APPROXIMATELY  
73,000 HOURS A YEAR





## BELL 412

OEM

**Bell** Helicopter

TYPE

Bell 212/412

VARIANT

Bell 412EP

TYPE

Rotary-Wing

NUMBER IN FLEET

7

CRUISE SPEED

138 KTS

AGE

23 years (Average)

MISSION PROFILE TYPE

SAR / Firefighting / HEMS

ENGINE TYPE

Pratt & Whitney PT6T-3D

STANDARD FUEL TANK CAPACITY

330.5 US gallons

FUEL CONSUMPTION

725 lb/HR

MAXIMUM TAKE-OFF WEIGHT (MTOW)

11900 lb

EMPTY WEIGHT, OFFSHORE EQUIPPED (AVERAGE)

7600 lb

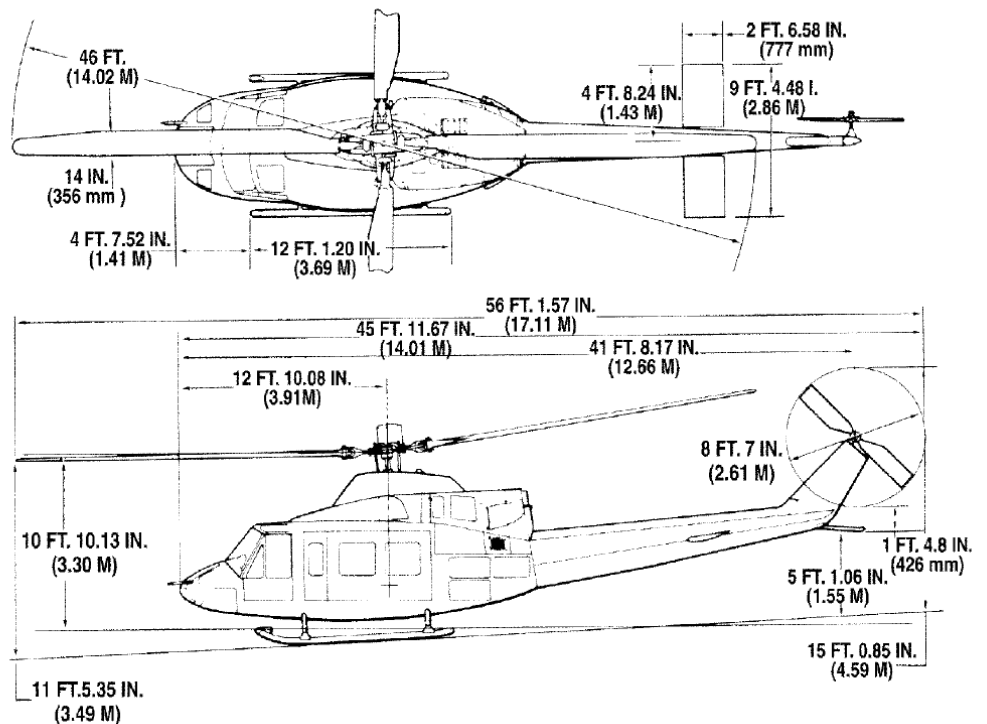
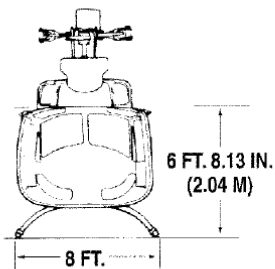
MAXIMUM RANGE, STANDARD TANKS

415 n mi

MAXIMUM HOOK LOAD

4500 lb

## GENERAL FEATURES





## BELL 412

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### GENERAL FEATURES

- Twin turbine equipped with Pratt & Whitney PT6T-3D power section
- Dual Digital Automatic Flight Control System with full duplex yaw channel actuators
- Rupture resistant fuel cells
- Pilot and Copilot energy attenuating bucket seats
- VHF COMM with 8.33Khz channel spacing
- Weather Radar
- Emergency Float System

### ADVANCED FEATURES

- GTN-750 Moving Map
- SATCOM IRIDIUM
- BLR Dual Tailboom Strike and Fast Fin

### PASSENGER AND FREIGHT FEATURES

- Up to 15 passenger capacity
- Spacious cabin (220 cubic feet) with easily enter through wide opening sliding doors
- Hinged door in front of sliding doors to increase the opening access to passenger cabin
- Standard and utility seat options
- Baggage compartment with 28 cubic feet and a capacity of 400 pounds

### SAR / FIREFIGHTING / HEMS FEATURES

- Rescue hoist
- SX16 Night sun
- Cargo Hook
- Fire fighting configuration: Cargo Basket, Bambi Bucket opening provisions, Foam injection system, dual cargo mirror
- HEMS: Air Ambulance Kit



## BELL 412

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### SAFETY FEATURES

- Baggage smoke detector with fire warning light on the instrument panel
- Wire Strike Protection System
- Skid barrier protection (for Fire Fighting configuration)
- Jettison pilot and copilot doors
- FDR/CVR
- Helisafe (monitoring system)