

CAVALON

JOURNEY THE WORLD SIDE BY SIDE



TECHNICAL DETAILS

Materials from
AUTOGYRO GMBH
Design by
CASSIDY YUEH

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AUTOGYRO

Company Profile

VALUES 01

P R I D E

The AutoGyro Cavalon was awarded the Red Dot Design Award in product design in 2012. Two years later, German Design Council awarded the Cavalon with the German Design Award. The foundation is one of the world's leading competence centers for communication and brand management in the field of design.



E L E G A N C E

Cavalons mesh beauty, form, and function. With their vertically-opening doors and perfectly tailored interior, Cavalons meet every rotorcraft pilot's needs and participant's wishes. The sleek lines, quality construction, power and refinement of the Cavalon have set an entirely new standard in the global gyroplane market.

COMFORT 02

VISIBILITY

AutoGyro aircraft are fully compliant with ADS-B in and out requirements, where required. Physical conspicuity is also key to safety, and in this regard, AutoGyro offers a range of suitable strobe and navigation lighting for both day and night VFR lighting. Navigation and strobe lamps are tail fin mounted for excellent visibility and minimal cockpit flash. AutoGyro night lighting is fully certified for night VFR operation.

SAFETY

Multiple safety measures are developed in an AutoGyro gyroplane. The remarkable monocoque safety cell concept comprises an extremely strong glass and carbon body cell structure. The strength of the forward door post structure prevents any crumpling in an accident, absorbing the enormous energy of the engine and seat harness loads.

CUTTING-EDGE

AutoGyro is proud to offer a range of panels to suit all needs, from simple minimalistic arrangements to high-end fully integrated cockpits with the proven Garmin technology. AutoGyro aircraft are available all over the world, using proven globally accessible equipment. Partnering with BRP, Rotax, and Garmin enables AutoGyro to ensure worldwide support for our products.



POWERFUL
03

ROTAX 915 iS

Some Cavalons come with the Rotax 915iS 141hp, turbocharged, a fuel injected engine. It is equipped with the state of the art of technology in modern aircraft engines.



No carburettor icing.

Low fuel burn in the cruise.

Two integral independent alternators.

Dual redundant safe energy supply.

An auxiliary alternator available to power additional equipment.

Dual ignition.

Dual fuel injection.

Dual engine sensor arrays

CUSTOMIZED
04

I N T E R I O R

Seat Cover Standard



Seat Cover Alcantara Anthracite



Seat Cover Alcantara and Leather



CUSTOMIZED
04

BODY

PAINTING

AutoGyro will paint your aircraft in any RAL color, or mix of color



COMMERCIAL 05

U S E

The Cavalon Sentinel is equipped with the UKRSPECSYSTEMS infrared camera is the perfect solution for fulfilling missions such as search and rescue, surveillance, and inspection. This equipment can track cars and read license plates from 500 foot AGL (above ground level), and effectively detect the heat signatures of the people and vehicles on the ground.



SOLUTIONS

The camera is a 2-axis stabilized unit with 360 degrees continuous rotation capability, with digital auto video stabilization and target tracking. Its optical zoom capability ranges from zero to 30 times, and its infrared can provide four times zoom.



RESPONSIBLE 06

G R E E N

AutoGyro aircraft are able to achieve high performance with low fuel consumption. The computer controlled automatic lean engine setting works automatically to decrease the fuel flow to the engine at higher altitude or in cruise mode. It is the best trade-off of power, performance and fuel consumption you can get.

Long-lasting.



Quiet.



Eco-friendly.



C E R T I F I E D



The German BUT (Bauvorschriften für Ultraleichte Tragschrauber)



CRIE-01, UK ICAO Standard Category Certificate of Airworthiness.



Federal Aviation Administration (FAA) of America type certificate.



Australian Sport Rotorcraft Association approval.



CCAR-21 requirements of the Civil Aviation Administration of China.

TECHNICAL
07

L x W x H (exclude rotor) ————— 15.27' x 5.85' x 9.1'

Rotor length ————— 27' x 27.95' x 28.6'

Empty weight ————— 715 lbs

Max. Take-off Mass ————— 1232 lbs

Take-off distance ————— 357 ft

Max. endurance ————— 6 hours

Max. range ————— 360 miles

Cruise speed ————— 55-110mph

Max. speed ————— 120mph

Fuel capacity ————— 26.4 US Gallons

AUTOGYRO PROFILE

08

ABOUT

AutoGyro is the world leader in the innovation, production, and distribution of gyroplanes. Since 2003, AutoGyro has produced and delivered more than 3.000 aircraft across the globe. The company has the highest market share in the gyroplane industry. Based in Hildesheim, Germany, all of the AutoGyro models are developed in-house and more than 90% of the aircraft parts are self-manufactured. With a sales and service network in over 40 countries, AutoGyro is well placed to support national or international flight requirements, wherever the aircraft is planned to operate.

AUTOGYRO

