

**auto
GYRO**



cavalon

a new era





Next to each other – with each other

Flying is our passion. When we have overcome gravity with neck and crop and when the air becomes our element, we can feel the infinite freedom tickling all over our body. Every single thread of us tries to realize the never-ending vastness, every single breath pumps fresh air into our lungs. We are part of the vastness. We are one with the sky. We are free.

This interaction of emotion and energy gets a completely new dimension with the Cavalon. Experiencing the flight next to each other means enjoying the flight with each other. Sharing the room next to each other means feeling the room with each other. The Cavalon is new way of flying, a shared flying. We are next to each other, we are with each other.



Cavalon – Boarding Enthusiasm

We are fascinated. Thought-out design and superior presence forms the image of the Cavalon. With its characteristic double wing doors, it invites us to a completely new flying experience. Every little detail shows us the new orientation and we are amazed by the exclusive form of the aircraft. The generous picture windows offer the perfect frame for our great view and the wide gills grace the sportive rear for our flying fun. We are boarded.



A joy shared is a joy doubled

Effortlessly we lift off and feel comfortable. The Cavalon adjusts to us and our demands, and gives us the freedom of simply enjoying the flight together. Next to each other we can appreciate the same view and share the experience of the lighthearted freedom. Calm and considerate it chauffeurs us, so that we can enjoy the comfort and the high standard without restriction. The Cavalon is convincing. We are relaxed.







Focused, determined, arrived

We have asked for this aircraft and it has been built to our demands. The Cavalon leaves nothing to be desired. Having been developed at record speed, it has been presented to us in 2010 for the first time. Already then, it caused a sensation and it surely deserves to do so. Less than one year later, after the first drawn line of its contours it arose from the blank paper to being something special, the Cavalon obtained the German registration. Focused, it may now present us its world and its points of view.

Determined, the LED landing lights capture the surroundings and contribute the resolute look to the Cavalon's front. The generous wing doors give us a first insight into the spacious

interior and alleviate boarding and deboarding. Without difficulty, we may adapt the many individually adjustable features to our personal level of comfort and store our luggage safely behind our seats. All flight instruments are clearly arranged in the cockpit and offer a perfect overview for the flight together.

The roomy cabin of the Cavalon offers us our seats next to each other and promises the unprecedented flight experience – communicative, collective, connected. Unrivalled and successful, the Cavalon has reached our goal and is to our disposal, to chauffeur us to our next destinations.

We are impressed.

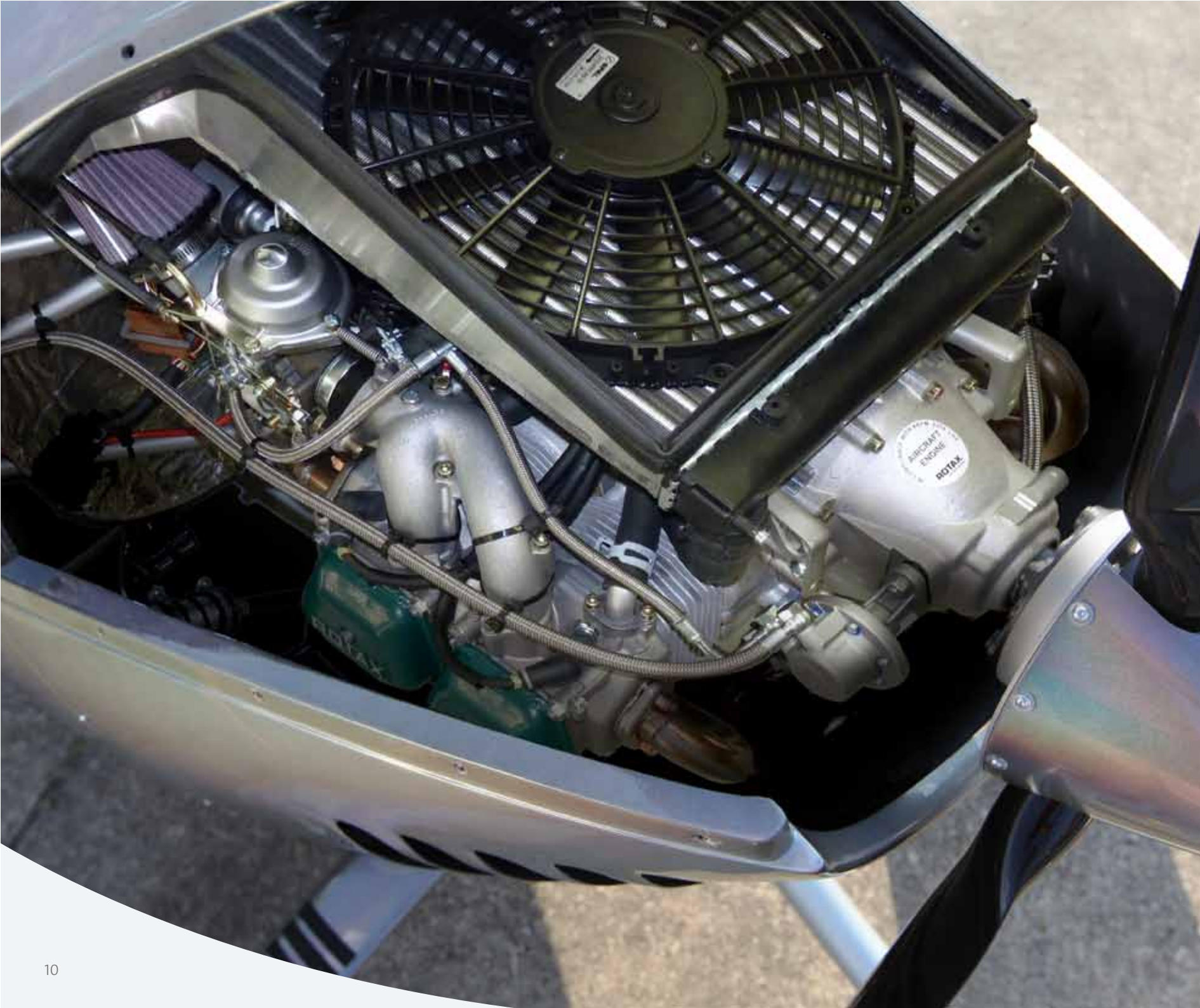


I see something you don't see

That's over with. The horizon is ours, the view is for the both of us. The huge window bank of the Cavalon shows us nature's great vastness and gives us an overview over the amazing landscape. Equipped with everything we need,



the interior hosts us just perfectly and comfortable. And even that can be expanded, when removing the stylistic wing doors for our uncomparable convertible feeling.* That's the ideal arrangement between comfort and sportiveness. We are present.





Technical details motor

- Rotax 912 ULS with 100 HP
- Rotax 914 UL Turbo with 115 HP
- Rotax 912 iS with 100 HP (dependent upon registration)
- 4 cylinders
- Liquid-cooled cylinder heads
- Air-cooled cylinders
- Dry sump forced lubrication
- Electronic dual ignition
- 2. electronic fuel pump, for 912 ULS

Powerful Quality

Ideally adapted to our demands, the Cavalon also shows competence underneath the surface and meets highest requirements. As with every AutoGyro, the Cavalon is run by approved Rotax engines, which are offered in in three versions: originally with the 912 ULS or a bit more sportive with the 914 UL Turbo, in the future with the 912 iS injection motor. In combination with the the in-house HTC 3B CCW 172,5 propeller our performance is completed. The big fuel tanks (collective 100 ltrs.) are filled with 95 or 98 octane fuel or AvGas and give us the freedom to enjoy our flight for up to five hours.





Sennheiser-Headset HME 110



Sennheiser-Headset HMEC 460



Sennheiser-Headset S1 Digital

Everything at a glance and on the road of success

It is the entire margin united in the Cavalon's cockpit und we can choose freely. No matter if we choose the standard or high-end variant – there is the ideal solution directly fitted to our demands. All functions and features are visible at a glance, no compromises are accepted and we can simply devote ourselves to the comfort of the aircraft. Individually adjustable seats (decline and lumbar support) with finest fabric or leather covering, individually adjustable pedals and infinitely adjustable seat heating crown the sophisticated design and unique concept. Completed by premium Sennheiser headsets, we are given the perfect combination for our requirements. We are equipped.





red dot design award

We are awarded. It is one the biggest and most famous product design competitions of the world: the red dot award. This high-value award is an internationally recognized quality seal and a positive classification of the products on the global market. The AutoGyro Cavalon was now awarded with the demanded red dot award: product design 2012, which primes the sophisticated and innovative design of the gyroplane. We are proud.



reddot design award
winner 2012



With best-in-class quality and engineering to the world market leader



AutoGyro is based at Hildesheim airport, and has grown steadily since starting to make gyroplanes in 2004. As the world market leader in development, production and sales of gyroplanes, the specialist from Lower Saxony employs a team of over 90 high class workers and engineers. Thanks to many years of experience, as well as the in-house development and production with strict quality audits, the manufacture of



safe and reliable gyroplanes meeting highest standards has become second nature. Within the serial production facility one to two gyroplanes per day are produced and supplied to its recipient all around the globe. AutoGyro serves and supports a superb global network consisting of more than 40 sales partners around the world.

In England, the country with the strictest construction regulation (BCAR Section T), AutoGyro in cooperation with RotorSport UK Ltd. succeeded to supply the first ever UK Type Approved factory built gyroplane in the market. Furthermore, AutoGyro holds more than 20 patents.





Technical data Cavalon

Standard equipment

- Dual seat gyroplane side by side
- Monocoque construction including 2 side doors, each with sliding and vent window
- With dual control-option
- 2 luggage compartments behind the pilot seats
- Aluminum rotor system Naca 8H12 8,4m
- Exhaust stainless steel, aftermuffler aluminum
- Turbo with 115 PS
- Additional electrical fuel pump for Rotax 912 ULS
- Propeller HTC 3B CCW 172,5
- Instrument Panel
 - Airspeed and Altitude
 - Engine and Rotor rpm
 - Oil and cylinder head temperature
 - Oil pressure
 - Standard compass on top of instrument panel
 - emperature indicator OAT and RBT
 - Engine hour meter
 - electrical fuel gauge
 - 12V power plug
- Pneumatic trim (altitude) and Rotor Brake
- Pneumatic roll trim
- Pneumatic prerotator with safety lock
- Hydraulic main wheel brake with parking position
- Battery charging plug
- Fuel tanks, collective capacity 100 lts.
- Rotor bag
- All composite parts are painted
- pilot-seat with adjustable back, sitting position and angle
- Adjustable pedal position, recommended body height 155-205 cm
- Color choice on color palette
- Fully assembled and test flown

l x w x h	4,8 x 1,7 x 2,7 m		
mtow	450 (560) kg	range	up to 5 h
Vne	160 km/h	rotor	8,4 m
Vcruise	145 km/h	engine	Rotax 914/912

Additional Equipment

Engine

- Rotax 912 ULS with 100 HP
- Rotax 914 UL Turbo with 115 HP
- Rotax 912 iS (Injection) with 100 HP, dependent upon registration

Color

- All aircraft panels made from GRP/CFK. Panels (body, tail unit, rudder, engine and mast panels, suspension bow, wheel housings and spinner) are painted in the customers color
- Standard colors are yellow, red, and white (cost included in the basic price)
- Special colors (solid color or metallic), two-color lacquer finishes or special lacquer finishes are available subject to special order

Avionics

- Radio ATR500 Funkwerk Avionics
- Radio ART833 Funkwerk Avionics
- Transponder TRT800H Funkwerk Avionics
- ELT automatic radio beacon Kannad 406 compact
- Filser radio ATR500 or ATR833 fully fitted
- Headsets Sennheiser S1, HMEC 460, HME 110

School equipment

- Flight instructor set consisting of pedals and stick on the left side

color examples



Lighting

- Landing lights LED
- LED strobes and navigation lights

Cockpit

- GPS or Glass cockpit variants for the following devices:
 - Garmin 695
 - ThinkNavi T7
 - Flymap L, LD, XL
 - Dynon SkyView 10"
 - iPad mounting
- Additional instruments
 - Vertical speed indicator 80 or 57 mm
 - Manifold Pressure

Special equipment

- Leather seats
- Comfort seats with lumbar support and seat heating
- Floor mats
- Sun shield
- Cockpit heater (variable in flight)
- Painted wheel spats front and rear
- Painted interior
- Optional asphalt or lugged tires
- Fire Warning System
- Lockable fuel tank cap
- Super B battery (weight reduction 2 kg)



Extract of our international partners

Australia

AutoGyro Australia · Willi Ewig
210 National Fitness Camp Rd
Manilla · NSW 2346
phone: +61 26 76 97 77 1
info@au.auto-gyro.com
www.au.auto-gyro.com

Austria & Switzerland

AutoGyro GmbH
Dornierstr. 14
31137 Hildesheim
phone: +49 5121 880 56 00
info@auto-gyro.com
www.auto-gyro.com

Brazil

Ultra Pilot Curso de Pilot Agem LTDA
Miguel Angelo · Avenida: Embaixador
Abelardo Bueno, S/N
CEP: 22775-040 Jacarepagua - RJ
phone: +55 21 33 25 31 66
info@br.auto-gyro.com
www.br.auto-gyro.com

Canada

Airpro Gyro · David Sigier
767 rang Marigot
CDN-GoS2Eo St-Apollinaire
Québec
phone: +1 418 881 15 50
info@ca.auto-gyro.com
www.ca.auto-gyro.com

Columbia & Argentina

Gyro-Fly Colombia
Stephan Mayer
Cr. 6 No. 123A-74 Bogota
phone: +57 315 33 99 468
info@co.auto-gyro.com
www.co.auto-gyro.com

Costa Rica

Flying Crocodile · Guido Scheidt
Correo Playa Samara
Codigo. 5235 · Apdo.99
Guanacaste
phone: +506 2656 80 48
info@cr.auto-gyro.com
www.cr.auto-gyro.com

Denmark

AutoGyro Nordic · Mikkel Palmbo
Norrebrogade 41, 2th
2200 Copenhagen
phone: +45 2098 85 46
info@dk.auto-gyro.com
www.dk.auto-gyro.com

England

RotorSport UK Ltd · Gerry Speich
Poplar Farm · Prolley Moor
Wentnor · SY9 5EJ Bishops Castle
Phone: +44 79 39 20 03 95
info@uk.auto-gyro.com
www.uk.auto-gyro.com

Finland

Oy DG-Products Ab
Dick Gylfe · Nuottakallio 8 A
02230 Espoo
phone: +358 9 4122 440
info@fi.auto-gyro.com
www.fi.auto-gyro.com

France

Fly in Paris · Stéphane Kübler
Aérodrome de Champ Cadet
02400 Château-Thierry
phone: +33 6 62 41 01 79
info@fr.auto-gyro.com
www.fr.auto-gyro.com

Indonesia

Pascal Technologies · Pascal Seguin
361, rue Pasteur
77550 Moissy Cramayel · France
phone: +33 60 967 4604
info@id.auto-gyro.com
www.id.auto-gyro.com

Italy

ELIGYRO srl · Giuseppe Grisorio
Campo volo Cremona S. Felice
N 45 08 582 E 010 06 046
phone: +39 0372 218 22
info@it.auto-gyro.com
www.it.auto-gyro.com

Namibia

Sakkie & Tuckies Jansen
Okahandja
phone: +264 62 518 333
info@na.auto-gyro.com
www.na.auto-gyro.com

New Zealand

Gyrate NZ · Tony Unwin
9 Dakota Way · Tauranga Airport
Mount Maunganui
phone: +64 75 75 65 83
info@nz.auto-gyro.com
www.nz.auto-gyro.com

Netherlands

AutoGyro Nederland BV
Remco van Ravenzwaaij
Maria Montessorilaan 5
3818 LR Amersfoort
phone: +31 621 80 35 33
info@nl.auto-gyro.com
www.nl.auto-gyro.com

Poland

Mirosław Zalewski
Goraszewska 21/5
02-910 Warszawa
phone: +48 518 50 1664
info@pl.auto-gyro.com
www.pl.auto-gyro.com

Portugal

EET - Empreendimentos e
Estudos Técnicos, Lda
Campo Voo de Benavente,
Foro da Guarita, Apdo 70
P-2130-235 Benavente
phone: +351 263 516 185
info@pt.auto-gyro.com
www.pt.auto-gyro.com

Qatar

Khalid A. Al Khater
Rayyan Street, P.O. Box 831
Doha, Qatar
phone: +974 5582 5582
info@qa.auto-gyro.com
www.qa.auto-gyro.com

Russia, Kasachstan & Belarus

AutoGyro Russland LLC
Ruslan Ustinov
3-5 Vavilova st. Russia
119334 Moscow
Russian Federation
phone: +7 495 565 30 53
info@ru.auto-gyro.com
www.ru.auto-gyro.com

South Africa

Roboclean Import & Export
PTY (LTD) · Theuns Eloff
PO Box 74031 · Lynnwoodriff 0040
Plot 19 · Pretoria (Swavelpoort)
phone: +27 12 80 92 31 0
info@za.auto-gyro.com
www.za.auto-gyro.com

Sweden

Peter Wicander
Lundkallgata 19 · 79492 Orsa
phone: +46 25 04 44 42
info@se.auto-gyro.com
www.se.auto-gyro.com

Turkey

FGH Turizm Ticaret LTD.ŞTİ
Vedat Sarıkaya
Londra Asfaltı Airport Alışveriş
Merkezi 2.Kat · Bakırköy / İst. · Turkey
phone: +90 212 465 37 71
info@tr.auto-gyro.com
www.tr.auto-gyro.com

Ukraine

PE Blyashyn Michail · Dobroboziv Str.30
89300 Svalyava
phone: +380 503 72 46 46
info@ua.auto-gyro.com
www.ua.auto-gyro.com

United Arab Emirates

Emirates Aero Sports Jazeerah Aviation
Club, Ala Ramahi
Ras Al Khaimah, Dubai
phone: +971 506941455
info@ae.auto-gyro.com
www.ae.auto-gyro.com

USA

AutoGyro North America
Guido Scheidt
210 Airport Road
Stevensville MD 21666
info@us.auto-gyro.com
www.us.auto-gyro.com



AutoGyro GmbH

Dornierstraße 14 · 31137 Hildesheim · Tel.: +49 (0) 51 21 | 8 80 56 -00 · info@auto-gyro.com · www.auto-gyro.com