

WINGS of the WORLD ENGLISH EDITION

World Directory of Light Aviation 2013-2014



Flügel
Das Magazin

VOL
Magazin

EAA

Pilot

FC
自由飞行
Free China

Over **1000**
aircraft...

Microlights & LSA
and much more...



...Certified aircraft ✦ Trikes

✦ Gyrocopters ✦ Helicopters ✦ Gliders ✦ Motorgliders

PLUS Motors ✦ Instruments ✦ Propellers ✦ Radio
✦ Avionics ✦ GPS and more!



Australia A\$15.50 • USA \$16.99 • UK £6.99



WORLD DIRECTORY OF LIGHT AVIATION 2013-2014

Fixed-wing microlights/LSA



10

Includes Light Sport Aircraft

Homebuilts



92

**Ultralight gliders
Certified gliders**



160

Trikes



210

Includes Light Sport Aircraft

World Directory of
**Light
Aviation
2013-2014**

Certified aircraft



138

**Gyrocopters
& Helicopters**



182

Instruments



244

| | |
|-----------------------------|-----|
| Presentation | 6 |
| Fixed-wings microlights/LSA | 10 |
| Homebuilts | 92 |
| Certified aircraft | 138 |
| Ultralight gliders | 160 |
| Certified gliders | 170 |
| Gyrocopters | 182 |
| Helicopters | 200 |
| Trikes | 210 |
| Instruments | 244 |
| Motors | 251 |
| Suppliers | 259 |
| Headsets | 266 |
| Propellers | 269 |
| Index of importers | 274 |
| Aviation organizations | 282 |
| Schools | 284 |
| Index of constructors | 285 |
| Index of products | 287 |
| Index of advertisers | 288 |
| Units & abbreviations | 290 |





The modern gyrocopter does it all, except hover

While in the 90's rotorcraft were mostly helicopters to fascinate, during the past decade the gyro moved up headlong with the helicopter. Modern gyrocopters cost less, are robust, easy to fly, very safe aircraft, and mostly two seats ultralights. In many countries their max. takeoff weight as an ultralight has been increased from 992 lbs (450 kg) to 1234 lbs (560 kg).

In comparison with helicopters, gyrocopters are technically less complex, especially in regards to their rotor system. They are cheaper to buy and operate. They even offer the same fun and almost the same commercial use, except for one: Gyros can't hover. Hovering is the ability to remain stationary in the air without losing altitude. This domain is only found in helicopters.

Werner Pfaendler



Werner Pfaendler
Journalist and pilot
with gyrocopter
privileges.



Companies marked with the 'e' logo are actively involved in developing electric propulsion.

NAME OF THE CONSTRUCTOR

NAME OF THE MODEL

| | | | | | | | | | | | | | | | |
|--|------|----|----|----|-----|----|----|------|----|-----|----|----------------------|-----------|-----|------|
| Full name of the constructor Address E-mail • Homepage | | | | | | | | | | | | Picture of the model | | | |
| Class of regulation* US-LSA | | | | | | | | | | | | | | | |
| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |

« EW »
Empty weight
kilograms
(1kg = 2.20lb)

« DR »
Diameter of
rotor
metres
(1m = 3.28ft)

« TC »
Tank capacity
Litres
(1l = 0.264gal(US)
0.220gal(imp))

« HP »
Horsepower
(hp)

« Vmax »
Maximum
speed
kilometres per
hour
(km/h)

« Vs0 »
Stalling speed
kilometres per
hour
(1km/h = 0.622mph)

« FC »
Fuel consumption
Litres per hour
(1l = 0.264gal(US)
0.220gal(imp))

« Kit »
Kit price
Excluding local and
national taxes

« MTOW »
Maximum all-up
weight
kilograms
(1kg = 2.20lb)

« CR »
Chord of rotor
metres
(1m = 3.28ft)

« Eng »
Engine

« St »
Number of
seats

« Vc »
Cruise speed
kilometres per
hour
(km/h)

« Vz »
Climb rate
metres per second
(m/s)
(1m/s = 197ft/min)

« Assembled »
Assembled price
Excluding local and
national taxes

« Plan »
Plan price
Excluding local and
national taxes

* Class of regulation: shows the lightest class of airworthiness regulation for which the aircraft is eligible. Does not necessarily indicate that certification has been achieved.

Manufacturers, importers and advertisers are indexed at the back of this publication. For a full list of abbreviations and metric/imperial conversions, see last page of this directory.

AIRBET

Starting point of the Airbet range, the Classic has a simple structure that keeps weight to a minimum. It consists of two curved tubes of thin-walled steel, assembled by TIG welding, to which is attached a Rotax 503 CDI engine that is tried and tested. A powerful pre-rotator will get you airborne in 25m, even on rough surfaces – thanks to the large diameter wheels. For 2500 Euros, the purpose-built trailer will allow you to keep the Classic at home. The rotor blades are made in house.

AIRBET - FABRICA Carrerada s/n • 08793 Avinyonet del Penedas • Barcelona • SPAIN • Phone : +34 938 970 838, Fax : +34 938 / 992 030
airbet@airbet.net • www.airbet.net

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|--------------|----|----|------|-----|-----|-----|----|-----------|-----|------|
| 118 | 230 | 7.30 | 0.21 | 42 | Rotax 503CDI | 47 | 1 | 120 | 100 | 25 | 3.5 | 15 | € 16 500 | - | - |

GIRABET CLASSIC



APOLLO ULTRALIGHT

We've seen the Apollo trike and the Apollo Fox fixed-wing, but presented in 2012 was the Apollo Gyro! Apollo has a good record of adding its own ideas to already successful concepts and the AG1 is yet another example of this approach. Conceptually it has proven technical quality. In 2013 a closed cockpit canopy was added. This option costs 10.000 Euro, weighs close to 20 kg, and can be mounted in five minutes onto the open tandem AG1.

APOLLO ULTRALIGHT AIRCRAFT, HALLEY LTD. Mester Street 3, PO Box 425 • 3300 Eger • HUNGARY • Phone : +36 (0)36 / 517830, Fax : +36 (0)36 / 320208
apollo@mail.datanet.hu • www.halley.hu

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|-------|---------|-------------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 256 | 500 | 8.40 | 0.216 | 40 / 60 | Rotax 912 S | 100 | 2 | 160 | 160 | 30 | - | - | € 38 500 | - | - |

APOLLO GYRO AG1 912 S



AUTOGYRO GMBH

Very much at the cutting edge of gyrocopter technology, the Calidus is already a success for the Hildesheim-based German company. Vibration dampers in the mast virtually eliminate cockpit vibration from the rotor, the tandem cockpit is fully-enclosed and the engine fully faired to smooth airflow into the propeller. Fitted with a Rotax 912S or 914, and with the option of a variable-pitch propeller, a cruise speed of 160km/h is possible, with a range of 800km. It achieved UK approval in 2010. New for 2012 are optional side panniers, each with a capacity of 20kg.

AUTOGYRO GMBH Dornierstraße 14 • 31137 Hildesheim • GERMANY • Phone : +49 (0)5121 / 880 5600, Fax : +49 (0)5121 / 880 5619
info@auto-gyro.com • www.auto-gyro.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|---------|-----|-----|----|---------------|-----|----|------|-----|-----|------|-------|-----------|-----|------|
| 265 | 450/560 | 8.4 | 0.2 | 86 | Rotax 912 ULS | 100 | 2 | 185 | 160 | - | 5-11 | 14-18 | € 52 500 | - | - |

CALIDUS



AUTOGYRO GMBH

Announced at the 2011 Friedrichshafen show, the 100th Cavalon was handed out at the AERO in 2013. The Cavalon is a side-by-side variant of the successful Calidus fully-enclosed tandem twin. High-speed performance is slightly reduced due to the wider body, but despite this, the aircraft is proving popular with pilots who appreciate the conviviality of side-by-side seating. Customers may chose from various Rotax engine options, including the turbo 914, the 912S, and the new 912iS.

AUTOGYRO GMBH Dornierstraße 14 • 31137 Hildesheim • GERMANY • Phone : +49 (0)5121 / 880 5600, Fax : +49 (0)5121 / 880 5619
info@auto-gyro.com • www.auto-gyro.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|---------|-----|-----|----|--------------|-----|----|------|-----|-----|----|-------|-----------|-----|------|
| 265 | 450/560 | 8.4 | 0.2 | - | Rotax 912ULS | 100 | 2 | 160 | 145 | - | - | 14-18 | € 68 000 | - | - |

CAVALON



AUTOGYRO GMBH

Autogyro's MT-03 has become a market leader. It was very successful in the UK, where it almost single-handedly kick started gyro training, and with a world distance record to its credit (1263km in Australia), it is shown here in its latest form, the MT0sport. This is a development of the MT-03, which itself sold in large numbers. Options include three different rotor systems, three different GPS units, two props, and a Rotax 914 to replace the standard 912S detailed here. You can even fit floats or order a crop-dusting version. ((ADDITION: 1000th MT0sport sold during AERO 2013))

AUTOGYRO GMBH Dornierstraße 14 • 31137 Hildesheim • GERMANY • Phone : +49 (0)5121 / 880 5600, Fax : +49 (0)5121 / 880 5619
info@auto-gyro.com • www.auto-gyro.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|---------|------|------|-------|--------------------|-----------|----|------|-----|-----|----|-------|-----------|-----|------|
| 245 | 450/560 | 8.40 | 0.20 | 34/68 | Rotax 912ULS / 914 | 100 / 115 | 2 | 185 | 160 | 30 | 4 | 14-18 | € 42 500 | - | - |

MTOSPORT



GYROCOPTERS

AVIOMANIA

The Genesis Duo G2sa is a stretched version of the Solo machine with the same design characteristics of stability, agility, and minimised pitch reaction to all throttle reactions. The frame is made from aircraft grade aluminum, nuts and bolts. The price for the ready to fly machine includes a Rotax 503 (add an additional \$5000 for the 100hp 912ULS). The kit includes airframe and rotor, but no engine, propeller, or prerotorator.

AVIOMANIA P.O. Box 42465 • 6534 Larnaca • CYPRUS • Phone : +357 (0)99 608 106, Fax : +357 (0)24 422 733
info@aviomania.com • www.aviomania.com

GENESIS DUO G2SA



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|-----|--------|-----------|-----|----|------|-----|-----|----|----|-----------|-----------|------|
| 240 | 560 | 9.1 | .18 | 50 +30 | Rotax 914 | 115 | 2 | 180 | 150 | 50 | 8 | 17 | \$ 29 950 | \$ 18 000 | - |

AVIOMANIA

The Genesis G1sa Solo has been designed with stability and agility in mind. The centre line thrust and the design of the empennage in the propeller slipstream reduces all throttle reactions. The result is a fun machine which is very stable in flight while being very agile and maneuverable. The light but sturdy frame is made from aircraft grade aluminium, nuts and bolts. The price for the kit contains everything required to fly.

AVIOMANIA P.O. Box 42465 • 6534 Larnaca • CYPRUS • Phone : +357 (0)99 608 106, Fax : +357 (0)24 422 733
info@aviomania.com • www.aviomania.com

GENESIS SOLO G1SA



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|------|----|-----------|----|----|------|-----|-----|----|----|-----------|----------|------|
| 140 | 300 | 7.0 | 0.18 | 26 | Rotax 582 | 65 | 1 | 130 | 120 | 30 | 7 | 15 | \$ 20 900 | € 17 800 | - |

BAUER AVION

Bauer's BAD-12 Gyrotrainer is a two-seater very much in the Magni style, but it has some interesting features of its own. A tailwheel allows the pilot to climb out steeply with confidence and the downward kink of the tailboom gives clearance for a generously sized prop. Power comes from a Rotax 912S, a Rotax 914 (detailed here) or a Subaru. A fully enclosed version, the Gyrotrainer C (for Cabine), is also offered.

BAUER AVION V Zahradach 243 • 25245 Zvole • CZECH REPUBLIC • Phone : +420 (0)608 530 540
bauer.avion@volny.cz • www.baueravion.cz

BAD-12 GYROTRAINER



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|----|----|-----------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 284 | 450 | 8.70 | - | 55 | Rotax 914 | 115 | 2 | 160 | 100 | 40 | 3 | 18 | € 50 700 | - | - |

BUTTERFLY

The Butterfly ultralight is a gyrocopter according the FAR part 103 ultralight. The kit costs \$17,000 US and includes the 60 hp 2 cylinder 2 stroke engine, the 5 Gallon seat tank, rotor, and the electric 2 kW prerotation-system.

BUTTERFLY - AERIAL SURVEILLANCE LLC PO Box 927 • Boyd, Texas 76023 • USA • Phone : +1 940-627 9887, Fax : +1 775-406 8375
valorie@thebutterflyllc.com • www.thebutterflyllc.com

BUTTERFLY ULTRALIGHT



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|----|----|--------|----|----|------|----|-----|----|----|-----------|-----------|------|
| 110 | 220 | 6.1 | | 22 | MZ 202 | 60 | 1 | 100 | | | | | - | \$ 21 995 | - |

BUTTERFLY

The Monarch kit comes complete with the airframe parts, hardware, 7.5 gallon seat tank (28 l), instruments, electric pre rotator, engine (optional pricing without engine: \$16,995 US), rotor blades, Kevlar tail, and propeller. The buyer furnishes the paint for the composites. Butterfly LLC only sells raw material kits, not parts. The Monarch Butterfly can easily be assembled using common tools.

BUTTERFLY - AERIAL SURVEILLANCE LLC PO Box 927 • Boyd, Texas 76023 • USA • Phone : +1 940-627 9887, Fax : +1 775-406 8375
valorie@thebutterflyllc.com • www.thebutterflyllc.com

MONARCH



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|----|----|----|-----------|----|----|------|-----|-----|----|----|-----------|-----------|------|
| 163 | 285 | 8 | - | 28 | Rotax 582 | 66 | 1 | 112 | 100 | 0 | - | - | - | \$ 22 995 | - |

BUTTERFLY

The SkyCycle made its public debut at AirVenture, Oshkosh in 2009 and caused a considerable stir. Designed by Larry Neal, on the road it is powered by a 27hp MZ34 two-stroke giving about 90 km/h top speed, while in the air the 115 hp Rotax 914 should give around 135 km/h. For road configuration, the newly-patented rotor blades are folded back on themselves like a carpenter's ruler and there are chopper-style handlebars, while flight controls are conventional stick and rudder pedals. Kit price includes all components.

BUTTERFLY - AERIAL SURVEILLANCE LLC PO Box 927 • Boyd, Texas 76023 • USA • Phone : +1 940-627 9887, Fax : +1 775-406 8375
valorie@thebutterflyllc.com • www.thebutterflyllc.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|----|----|----|-----------|-----|----|------|----|-----|----|----|-----------|-----------|------|
| 260 | 400 | - | - | 28 | Rotax 914 | 115 | 1 | 160 | - | 0 | - | - | - | \$ 79 995 | - |

SUPER SKYCYCLE



CARTER COPTERS

In 2011 the PAV prototype demonstrated vertical jump takeoffs, slow-speed flight in gyro mode, and near-vertical landings. The next phase will be to add the 3.4m span wings which will ultimately allow the rotors to slow down in flight and achieve much higher cruise speeds than currently possible with rotary wings. Without wings, design top speed is 225km/h, while the compound development should reach 360km/h and still manage VTOL. Carter has also partnered with AAI to develop a 'Transformer' vehicle in the DARPA scheme for use in missions such as interdiction, counterinsurgency, reconnaissance, medical evacuation and logistics.

CARTER AVIATION TECHNOLOGIES, LLC 2730 Commerce St, Suite 500 • Wichita Falls, Texas 76301 • USA • Phone : +1 410 / 321 0832
mary.rice@carteraero.com • www.cartercopters.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-------|----|-----|------------------|-----|-----|------|-----|-----|----|----|-----------|-----|------|
| 900 | 2250 | 13.70 | - | 273 | Lycoming TIO-540 | 350 | 2+2 | - | 340 | - | - | - | - | - | - |

PAV 2+2



ELA AVIACION, S.L.

Fuente Obejuna, Spain
 Telf: 34 957 58 51 75
 email: ela@elaaviacion.com
www.elaaviacion.com



ELA 07 Cougar
 Distance & Speed World Record!
 1.207 km Nonstop
 162.2 km/h

ELA 07 Cougar

ELA 07S

ELA 07 Agro

New ELA 09 Junior from 29.900€



CELIER

Designed by French Raphael Celier and built in Poland, the Xenon offers some outstanding distinguishing features. The extremely spacious monocoque cabin is made of composite materials so strong the mast and engine mount are directly attached to it. Its flying characteristics for schooling and aerial work are very easy and yet stable. At the AERO 2013, the completely redesigned new Xenon IV was presented revealing a beautiful, elegant, and now much faster gyrocopter.

CELIER AVIATION Biskupice 12 • 05-840 Brwinow / Warszawa • POLAND • Phone : +48 (0)604 530 350,
Fax : +48 (0)46 / 856 52 24
sales@celieraviation.pl • www.celieraviation.pl

XENON IV EXECUTIVE



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|-----|----|-----------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 290 | 560 | 8.6 | 0.2 | 85 | Rotax 914 | 115 | 2 | 190 | 165 | 65 | - | 21 | € 85 832 | - | - |

CHAYAIR

This South African tandem two-seater has a traditional structure of bolted Dural tube. The unstressed fairing is shown here with an integral cockpit but there is also a Mk 2000 version which has no doors or roof. The tail surfaces are generously proportioned, with no less than five vertical surfaces. The kit price includes the Rotax 914 engine detailed here, but a 160hp Subaru EJ 2.5 is an option.

CHAYAIR MANUFACTURING AND AVIATION PO Box 807 • Musina 0900 • SOUTH AFRICA • Phone :
+27 (0)710696060
fred@chayaireurope.com • www.chayair.com

SYCAMORE MK 1



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|----|----|-------------|-----|----|------|-----|-----|----|-----|-----------|----------|------|
| 380 | 590 | 9.10 | - | 55 | Rotax 914 F | 115 | 2 | 153 | 128 | - | 4 | 2.5 | € 59 500 | € 35 000 | - |

DI NELLY

The new ExoGyro by German manufacturer DiNelly was first presented at the AERO 2013. According to Di Nelly boss Richard Waidhofer, the four-door ExoGyro though being a prototype, offers a great number of options. Its lightweight carbon monocoque cabin weighs only 22.5 kg, thus the empty weight is scaled at 282 kg with the Rotax 912 iS with 13 other engines to choose from. The v_{max} with the four-blade rotor is calculated at 202 km/h. The cruise speed depending on the engine could be as high as 198 km/h. Price starts at 100,000 Euros.

DINELLY AEROSYSTEMS Alte Landstr. 25 • 85521 Otterbrunn • GERMANY • Phone : +49 89 - 20030790,
Fax : +49 89 - 20030799
office@dinelly.com • www.dinelly.com

EXOGYRO



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|----|--------|--------------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 282 | 560 | 8.6 | - | 2 x 75 | Rotax 912 iS | 100 | 2+ | 202 | 198 | - | - | - | € 100 000 | - | - |

DTA - DELTA TRIKES AVIATION

If a leading trike manufacturer puts all his experience and know-how into developing a gyrocopter, one should not be surprised if a good aircraft results. Now, after three years and more than 3000h of flight tests, DTA's gyro, the product of one of France's biggest flexwing manufacturers, is available to the public. Named J-RO, it is of 'cabriolet' configuration, with removable gullwing doors, the idea being to combine the advantages of an open trike with the convenience of a modern enclosed gyrocopter. The doors are optional and may be bought and fitted later.

DTA SARL Aérodrome de Montélimar Ancône • 26200 Montélimar • FRANCE • Phone : +33 (0)4 75 01 20
83, Fax : +33 (0)4 75 51 36 72
dta.ulm@wanadoo.fr • www.dta.fr

J-RO



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|-------|----|-----------|-----|----|------|-----|-----|----|---------|-----------|-----|------|
| 282 | 510 | 8.50 | 0.213 | 68 | Rotax 914 | 115 | 2 | 190 | 160 | - | - | 14 - 18 | € 61 784 | - | - |

ELA AVIACION

Based on the standard ELA 07 but with the rear seat space used for a spray tank, the ELA 07 Agro is one of a rare breed: a gyro specifically made for crop spraying. You can apply liquids in low and ultra-low volume or reclaim the seat and use it as a conventional two-seater gyroplane. The spray boom has an 8.25m span and is capable of spraying up to 15m, from a 120 liter tank. The boom is quick and easy to fold and takes up little storage space. Standard equipment includes GPS and an extra large windscreen to reduce pilot fatigue.

ELA AVIACION, SL Pol. Ind. el Blanquillo M7 P26 • 14290 Fuente Obejuna • Cordoba • SPAIN • Phone :
+34 957 / 58 51 75, Fax : +34 957 / 58 50 37
ela@elaaviacion.com • www.elaaviacion.com

ELA 07 AGRO



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|-----------------|-----|----|------|-----|-----|----|-------|-----------|-----|------|
| 305 | 550 | 8.50 | 0.22 | 75 | Rotax 914 Turbo | 115 | 1 | 185 | 140 | 35 | 5 | 15-20 | € 62 100 | - | - |

ELA AVIACION

ELA 07S

Mechanically and conceptually similar to the 07 Cougar, with the same formula of welded stainless-steel frame, carbon fiber cockpit, powerful pre-rotator and pneumatic trim, the ELA 07S is the model designed for training. Not only does it have dual controls, but the rear occupant has a windscreen while up front there is a baggage compartment with a small door fitted to aid access. Our price refers to the 912S engine model; the more powerful Rotax 914 Turbo engine costs an extra 7000 euros.



ELA AVIACION, SL Pol. Ind. el Blanquillo M7 P26 • 14290 Fuente Obejuna • Cordoba • SPAIN • Phone : +34 957 / 58 51 75, Fax : +34 957 / 58 50 37
ela@elaaviacion.com • www.elaaviacion.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|-------------|-----|----|------|-----|-----|----|-------|-----------|-----|------|
| 260 | 450 | 8.50 | 0.22 | 75 | Rotax 912 S | 100 | 2 | 185 | 145 | 30 | 5 | 15-20 | € 46 200 | - | - |

ELA AVIACION

ELA 09-JUNIOR

The new model by Spanish gyrocopter manufacturer ELA Aviacion is called the ELA 09-Junior. Junior refers to the target group (newcomer in the gyro aviation) and the price. It does not refer to technical components and instruments that comply with the high standards of the ELA "senior" gyros. For 29,900 Euros (ready-to-fly, no tax) customers get an excellent, sturdy gyro in plain white. Optional accessories include metallic paint (2,600 Euros), radio ATR 500 (1,500 Euros), or landing lights for 65 Euros and more.



ELA AVIACION, SL Pol. Ind. el Blanquillo M7 P26 • 14290 Fuente Obejuna • Cordoba • SPAIN • Phone : +34 957 / 58 51 75, Fax : +34 957 / 58 50 37
ela@elaaviacion.com • www.elaaviacion.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|----|----|---------------|-----|-----|------|-----|-----|-----|----|-----------|-----|------|
| 240 | 450 | 8.25 | - | 45 | BMW R-1200 Gs | 100 | 1+1 | 150 | 120 | 30 | 3.5 | - | € 29 900 | - | - |

FD-COMPOSITES

ARROW COPTER AC20

This elegant tandem two-seater has been certified in 2012. With a fully carbon structure, the AC20 tips the scales at 560kg in standard configuration (with 115hp turbo Rotax 914) and costs 117,000 euros. If all the option boxes are ticked, including the cockpit cover, the price rises to 135,000 euros.



FD-COMPOSITES GMBH Friedlmühle 430 • 3300 Zeilern • AUSTRIA • Phone : +43 (0) 7472 24053, Fax : +43 (0) 7472 24077
info@arrow-copter.com • www.arrow-copter.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|---------|------|----|----|-----------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 342 | 560/600 | 8.60 | - | 74 | Rotax 914 | 115 | 2 | 190 | 165 | 30 | - | - | € 117 000 | - | - |



Rock 'n' Roll

TRIXY G4-2 R

Standard configuration:

- » Cabin & tail in carbon fiber sandwich construction
- » Certified AC stainless steel frame
- » M.E.RIN anti explosion tank
- » KANARDIA glass cockpit (incl. Europe maps)
- » BERINGER wheels and hydraulic brakes
- » AVERSO rotor

Including full warranty for 2 years or 500 hours!

trixyaviation.com



© 2018

FREE WIND

The French Bumble B tandem 1+1 gyrocopter is a 2013 low cost novelty priced at 33,000 Euros ready-to fly. Free Wind boss Michel Babou also offers the Bumble with a 115 hp Rotax 914 for the total cost of 36,000 Euros.

FREE WIND BASE PYRÉNÉES ULM Route de Liac • 65140 Sarriac-Bigorre • FRANCE • Phone : +33 (0)6 32 20 39 70
michel.babou@gmail.com • www.freewind.fr

BUMBLE B 912



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|-------|----|-------------|-----|-----|------|-----|-----|-----|----|-----------|-----|------|
| 258 | 450 | 8.4 | 0.215 | 75 | Rotax 912 S | 100 | 1+1 | 185 | 130 | - | 3.1 | 16 | € 33 000 | - | - |

GERMAN GYRO

The Matto by German Gyro had its debut at the AERO 2013. The gyrocopter is the first ever with a ballistic safety chute system included. It is mounted inside the large 200 mm mast that comes with a new ring shaped rotormast which allows the chute to be extracted through the middle. Other safety features include a safety tanks, strobe-lights, fireproof cockpit and more. German Gyro expects DAeC certification on the comfortable wide bodied 130 hp Matto by end of 2013.

GERMAN GYRO SAFETY AVIATION GMBH Fröndenberger Str. 75 • 58706 Menden • GERMANY •
 Phone : +49 (0) 23 77 / 80 94 200, Fax : +49 (0) 23 73 / 175 1399-9
info@GermanGyro.de • GermanGyro.de

MATTO



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|-------|-----|----------------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 296 | 560 | 8.52 | 0.215 | 130 | UL Power 520iS | 130 | 2 | 205 | 170 | - | - | 18 | € 90 000 | - | - |

GOFLY

The gyrocopter Gotar of the new French manufacturer Gofly, is still a prototype and has not yet had its maiden flight. However, we published the machine because it is based on a fascinating technical concept: the tandem seater chassis, the gear, the seats, the fuel tank, the engine mount, the instrument panel, etc. are a unified structure to fit the gyrocopter, trike, and an ultralight helicopter to be developed after the gyro is certified. Advantage: It is reasonable to expect relatively low costs for the total R&D, thus to buy, maintain, and operate the gyro, trike, and/or helicopter will be fairly inexpensive.

GOFLY AÉRONAUTIQUE SARL 69 rue des déportés résistants • 80440 Boves • FRANCE • Phone : +33 +33 (0)7 86 28 34 44
contact.gofly@sfr.fr • www.gofly-ulm.fr

GOTAR



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|----|-------|------|-----|----|------|----|-----|----|----|-----------|-----|------|
| 245 | 450 | 8.4 | - | 2x 35 | Vija | 100 | 2 | - | - | - | - | - | € 45 000 | - | - |

GROEN BROTHERS AVIATION

The US manufacturer GBA / Groen Brothers Aviation has its focus on companies and organizations using helicopters, but due to tighter budgets are forced to look for alternatives, like gyrocopters. During the 2002 Winter Olympics in Salt Lake City, GBA had four Hawk 4 gyrocopters flying for aerial surveillance. Based on the technology of the Hawk 4 the ShadowHawk has emerged and is being tested. The seven passenger ArrowHawk is also being developed.

GROEN BROTHERS AVIATION, INC. - GBA 2640 West California Avenue, Suite A • Salt Lake City, Utah 84104 • USA • Phone : +1 801 / 973 0177, Fax : +1 801 / 973 4027
sales@groenbros.com • <http://www.gbagyros.com>

SHADOWHAWK



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|----|----|----|-----|----|----|------|-----|-----|-----|----|-----------|-----|------|
| 421 | 907 | - | - | - | - | - | 2 | 236 | 222 | - | 7.6 | - | - | - | - |

GROEN BROTHERS AVIATION

This aircraft is produced by Groen Brothers's sister company American Autogyro, which started by selling tail feathers intended for the RAF 2000. Although heavy, the SparrowHawk is particularly stable in flight thanks to the tail location, and the thrust axis passing through the centre of gravity. GBA continues to work on the development of a more advanced model, the ShadowHawk, to be offered as an airborne patrol vehicle.

GROEN BROTHERS AVIATION, INC. - GBA 2640 West California Avenue, Suite A • Salt Lake City, Utah 84104 • USA • Phone : +1 801 / 973 0177, Fax : +1 801 / 973 4027
sales@groenbros.com • <http://www.gbagyros.com>

SPARROWHAWK III



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|--------------|-----|----|------|-----|-----|------|----|-----------|-----------|------|
| 407 | 680 | 9.14 | 0.21 | 87 | Subaru EJ 25 | 165 | 2 | 180 | 130 | - | 3.25 | - | - | \$ 45 500 | - |

GT GYROPLANES P/L

Created by brothers Geoff and Alistair Morrison, the Kruza is a powerful cruising machine with an aluminum box-section chassis and chrome-moly twin tail booms. The composite cabin can be flown with or without doors, but either way the view is panoramic. The nosewheel is free-castoring, so one steers with the hydraulic toe brakes. With tough Australian conditions in mind, the radiator is mounted above the engine and the composite undercarriage legs give excellent suspension. Cabin width is a generous 1.1m and the price in Australia is AUD \$80,000 (AUD \$61,000 for a complete kit).

KRUZA



GT GYROPLANES P/L 44 Kilkerrin Drive • Moama 2731 • NSW • AUSTRALIA • Phone : +61 0417 209 183

info@gtgyroplanes.com.au • <http://www.gtgyroplanes.com.au/>

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|----|-----|-------------|-----|----|------|-----|-----|------|----|-----------|-----------|------|
| 360 | 600 | 8.84 | - | 120 | Suzuki G16B | 165 | 2 | 148 | 139 | 83 | 3.81 | 22 | \$ 78 000 | \$ 59 000 | - |

GUÉPARD TEAM

The Guepard II XJ01 by Joel Tilquin is the evolution of the Guepard AX 02 designed and built by Xavier Averso in the 80s. Plans for this fabulous little single seat gyrocopter, sold since 1987, have allowed many fans to realize their dream. On May 28, 2009, at the fly-in in Bois de la Pierre, France, the new Guepard II XJ01 had its maiden flight. In 2011 Joel Tilquin abandons the idea of distributing plans and put all his efforts together to produce kits for the Guepard II. The kit price mentioned does not include the rotor-system, the Rotax 582 engine, the prop, and the instruments.

GUÉPARD II XJ01



GUÉPARD II TEAM 16, rue reine Astrid • 4100 Bonnelles • BELGIUM • Phone : +32 495 106 543

joel.tilquin@skynet.be • www.guepard2xj.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|------|----|-----------|----|----|------|-----|-----|-----|------|-----------|---------|------|
| 172 | 300 | 6.9 | 0.22 | 50 | Rotax 582 | 65 | 1 | 145 | 105 | - | 3.5 | 16.5 | - | € 9 550 | - |

GYRO-KOPP-TERS

Manufactured in Florida by the Kopp brothers, the Midnight Hawk is a simple and economical single-seater, with a powerful Subaru EJ82 engine mated to a belt reduction driving Dragon Wings rotor blades and head. The kit is substantially prefabricated and is estimated to take only 120h to complete, though a complete aircraft only costs \$1000 extra. A cheaper version is also offered with a direct-drive Subaru, in which guise the climb rate suffers, as do the noise levels.

MIDNIGHT HAWK



GYRO-KOPP-TERS 9392 W. U.S. Highway 90 • Lake City FL 32055-8045 • USA • Phone : +1 386 / 752 9116

gyrokopters@yahoo.com • www.gyro-kopp-TERS.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|--------------|----|----|------|----|-----|----|----|-----------|-----------|------|
| 231 | 367 | 7.62 | 0.18 | 45 | Subaru EA-82 | 90 | 1 | 128 | 80 | - | 3 | 15 | \$ 12 500 | \$ 11 500 | - |

Clouddancer II

The Gyro Technology of Tomorrow



World innovations

- First gyro with 4 blade rotor
- First gyro with full carbon rotor
- 135 hp 4-stroke engine



In der Lache 9
87657 Görissried
Germany
Tel.:+49 (0) 8302 922 909-0
info@rotortec.com
www.rotortec.com

GYRO-KOPP-TERS

Latest addition to the Gyro-Kopp-Ter range is this Twin Eagle. Structurally similar to its single-seat brother, it uses a 130hp Subaru EJ-22 engine. Only the front seat has flight controls. Lift is supplied courtesy of Dragon Wings and you can buy the aircraft in kit or ready-to-fly form. The kit is substantially complete and should only take 120h to complete.

GYRO-KOPP-TERS 9392 W. U.S. Highway 90 • Lake City FL 32055-8045 • USA • Phone : +1 386 / 752 9116

gyrokopters@yahoo.com • www.gyro-kopp-TERS.com

TWIN EAGLE



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|--------------|-----|----|------|----|-----|----|----|-----------|-----------|------|
| 305 | 548 | 8.22 | 0.18 | 60 | Subaru EJ-22 | 120 | 2 | 145 | 95 | - | - | 17 | \$ 18 000 | \$ 16 500 | - |

LAYZELL GYROPLANES

Layzell Gyroplanes has taken over the Merlin from its Scottish designer Jim Montgomery, and although proprietor Gary Layzell intends to update the design, in the short term the Merlin remains unchanged. It is built around a structure of square dural tubes, bolted together. On recent examples the centre of gravity has been raised by turning over the engine while leaving the position of the propeller axis unchanged. Suspension on the main wheels is an option. Rotor is from Rotor Flight Dynamics. Kit price shown includes engine, accessories and instruments.

LAYZELL GYROPLANES LTD 17 Courtfield Road, Quedgeley • Gloucester GL2 4UQ • UNITED KINGDOM •

Phone : +44 (0)1452 / 723541, Fax : +44 (0)1452 / 723541

info@layzellgyroplanes.com • www.gyrocopters.co.uk

MERLIN GTS



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|-----------|----|----|------|-----|-----|-----|----|-----------|----------|------|
| 145 | 295 | 7.01 | 0.18 | 50 | Rotax 582 | 65 | 1 | - | 120 | 32 | 4.5 | 20 | - | £ 12 761 | - |

LITTLE WING AUTOGYROS

Not many gyros use the tractor layout popular in the 1930s, although it has a number of advantages, but the LW-5 remains faithful to the concept. The aircraft has been flown coast-to-coast in the USA and holds several world records for gyros under 500kg. It has a welded steel spaceframe fuselage with two-blade Dragon Wings rotor. Although our data is for the Rotax 914 powerplant, Rotax 912, Hirth F30 and VW engines can also be used – and more recently the lovely Rotec 7-cylinder radial, to complete the 1930s look. The plans cover both this model and a single-seat version; our kit price is for the airframe only.

LITTLE WING AUTOGYROS INC. 746 Hwy 89 north, P.O.Box 99 • Mayflower AR 72106 • USA • Phone : +1

501 / 470 7444

rotopup@aol.com • www.littlewingautogyro.com

LW-5



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|-----------|-----|----|------|-----|-----|----|----|-----------|----------|--------|
| 265 | 543 | 8.22 | 0.18 | 51 | Rotax 914 | 115 | 2 | 140 | 120 | 32 | 5 | 12 | - | \$ 3 500 | \$ 175 |

MAGNI GYRO

The M-14 Scout is Magni's most sporting gyro. It's more of a 1+1 than a full two-seater – the passenger doesn't have a separate windscreen and sits close behind the pilot. Our figures are based on the 100hp Rotax 912S, but for added sparkle the turbocharged 115hp Rotax 914 is an alternative. All Magni machines come fitted with the Flydat digital engine management system, and the Scout comes with electric trim as well. The 50 litre fuel tank will give you around 3h endurance. Chrome-alloy aeronautical 4130 steel, TIG welded structure and a two-bladed composite rotor manufactured by Magni Gyro with 27 ft diameter.

MAGNI GYRO SRL Via Volpina n 23 • 21010 Besnate (VA) • ITALY • Phone : +39 0331 / 274816, Fax : +39

0331 / 274817

info@magnigyro.it • www.magnigyro.it/

M-14 SCOUT



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|------|----|------------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 244 | 550 | 8.23 | 0.22 | 42 | Rotax 912S | 100 | 2 | 185 | 145 | - | 5 | - | € 47 000 | - | - |

MAGNI GYRO

The M16 Trainer is BCAR section T certified in UK. It has been visibly upgraded. Designed specifically for the training role, it has a large 72 litre tank - 4h endurance -, full dual controls, and a rear windscreen to keep the instructor comfortable! Recent changes include a coolant / oil heat exchanger to minimize the warm-up time. Options include a 20 litre baggage compartment. Like the rest of the range, it's based on a Chrome-alloy aeronautical 4130 steel, TIG welded structure with non-load-bearing composite fairings and a Two-bladed composite rotor manufactured by Magni.

MAGNI GYRO SRL Via Volpina n 23 • 21010 Besnate (VA) • ITALY • Phone : +39 0331 / 274816, Fax : +39

0331 / 274817

info@magnigyro.it • www.magnigyro.it/

M-16 TANDEM TRAINER



| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|----|----|-----------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 270 | 450 | 8.53 | - | 72 | Rotax 914 | 115 | 2 | 180 | 140 | 45 | - | 17 | € 57 000 | - | - |

MAGNI GYRO

The M-22 is a touring version of the standard M-16 Trainer, fitted with a generous 80 litre fuel tank. Only the front seat has flight controls, but they include an electric trim, and instrumentation includes the Flydat digital engine management system. A recent innovation is a front control lock to prevent inadvertent engagement of the pre-rotator. Powered by ROTAX 914 Turbocharged. The characteristic baggage strakes on each side are well harmonized with the fuselage design and are accessible through three compartment doors with double lock.

M-22 VOYAGER



MAGNI GYRO SRL Via Volpina n 23 • 21010 Besnate (VA) • ITALY • Phone : +39 0331 / 274816, Fax : +39 0331 / 274817
info@magnigyro.it • www.magnigyro.it/

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|---------|------|------|----|-----------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 272 | 450-550 | 8.54 | 0.22 | 72 | Rotax 914 | 115 | 2 | 185 | 144 | 30 | 5 | 18 | € 59 700 | - | - |

MAGNI GYRO

The M-24 Orion is Magni's top-of-the-range machine, sporting a fully-enclosed side-by-side cabin - ideal also for training schools - pure Italian stylish. It achieved UK approval under the stringent BCAR Section T requirements. There are two baggage compartments, and a large 80 litre fuel tank giving about 4h endurance for serious touring capability. The side-by-side seating and dual controls make it perfect as a training machine too. It has an automatic door lock check that prevents use of the prerotator if the doors are not properly locked. Also new is a VIP cockpit option for 2000 euros.

M-24 ORION



MAGNI GYRO SRL Via Volpina n 23 • 21010 Besnate (VA) • ITALY • Phone : +39 0331 / 274816, Fax : +39 0331 / 274817
info@magnigyro.it • www.magnigyro.it/

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|------|----|----|-----------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 265 | 450 | 8.53 | - | 82 | Rotax 914 | 115 | 2 | 160 | 115 | - | - | - | € 69 900 | - | - |

NIKI ROTOR AVIATION

Niki manufactures gyro kits in Bulgaria using Vortech or Sportcopter rotors from the US. The fuselage is a semi-monocoque fully enclosed structure with a steel mast and twin aluminum tail tubes. While the 2008 side-by-side version was equipped with a 180hp Subaru auto conversion (photo) the 2009 tandem-gyro is powered by a 120 hp six cylinder Jabiru 3300 (see data).

NIKI 2009



NIKI ROTOR AVIATION 1, Todor Zhivkov Square • 2161 Pravets • BULGARIA • Phone : +359 (0)887 / 31 00 05, Fax : +359 (0)7133 / 30 47
info@nikiaaviation.com • www.nikiaaviation.com

| EW | MTOW | DR | CR | TC | Eng | HP | St | Vmax | Vc | Vs0 | Vz | FC | Assembled | Kit | Plan |
|-----|------|-----|------|----|-------------|-----|----|------|-----|-----|----|----|-----------|-----|------|
| 250 | 450 | 8.5 | 0.21 | 80 | Jabiru 3300 | 120 | 2 | 180 | 150 | 5 | 6 | 20 | - | - | - |

100 % ULM
En kiosque
tous les 10 du mois

FLYING PAGE EUROPE
 3 rue Ampère 94200 Ivry-sur-Seine
www.vol-moteur.fr
 +33 (0)1 76 60 41 48

www.drachenflug.de

AVERSO
 aviation

Supply for GYROCOPTERS

Blades
 Rotors
 Rotors heads

39 years experience

AVERSO Aviation. Aérodrome de Montélimar 26200 Montélimar
 Tél : +33 06.87.21.46.31
 E-mail : planetgyros@gmail.com Homepage : www.averso-aviation.com