



Philippe Tisserant,
editor-in-

chief of *Vol Moteur* magazine, flies microlights, gyroplanes, gliders, lightplanes and helicopters – and in his spare time, he manages to fit in a bit of homebuilding!

All you have to do is choose

Even the briefest glance at the other sections of this publication will prove that you don't need to be rich to go flying, right here, right now. So why does the painstaking business of homebuilding continue to thrive? In a word, satisfaction. The finished aircraft may cost nearly as much as a ready-to-fly equivalent, and certainly more than a secondhand one, but you can't put a price on the feel-good factor which comes from viewing your own handiwork and knowing it will stand close examination. The homebuilder knows every nut and bolt of his creation, and feels very much the master of his own destiny. The following pages provide a worldwide overview of aircraft suitable for homebuilding, either from a kit or plans. The selection is huge, as is the spread of costs. But every one of these aircraft has the ability to put a smile on its constructor's face. All you have to do is choose!

Philippe Tisserant

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.

EW	WA	WS	TC	Eng	HP	MTOW	St	Vmax	Vc	Vs0	Vz	FC	Cert	Assembled	Kit	Plan
397	14	6/61	98	Lycorning	115/200	689	2	245	198	85	6		FAA-CNRA-PFA			\$ 125

ACRO SPORT

This aerobatic biplane can take two large occupants. Classic American style construction: spaceframe fuselage and wooden fabric-covered wings. There is also a single seater version. Materials and accessories are available from Aircraft Spruce & Specialty, Wicks Aircraft and Sirius Aviation. Much additional information is available on <http://plaza.ufl.edu/dhinten/Acrosport/>

ACRO SPORT INC
PO Box 462 • Hales Corners WI 53130 • USA
Tel: +1 414 / 529 2609
• <http://acrosportaircraft.com/>

Acro Sport II

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

« WA » Wing area square metres (1m² = 10.8ft²)

« WS » Wing span metres (1m = 3.28ft)

« Eng » Engine

« HP » Horsepower (hp)

« St » Number of seats

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

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

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

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

« Vz » Climb rate metres per second (m/s)

« FC » Fuel consumption litres per hour (1 l/h = 0.264gph(US), 0.220gph(imp))

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

« Cert » Certification

« Assembled » Assembled price Excluding local and national taxes

« Kit » Kit price Excluding local and national taxes

« Plan » Plan price Excluding local and national taxes

Short description

Name of the constructor

Address

Homepage

Full name of the constructor

Name of the model

Section

Picture of the model

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397	14	6.61	98	Lycoring	115-200	689	2	245	198	85	6	-	FAA-CNRA-PFA	-	-	\$ 125

Acro Sport II



ACRO SPORT

The Pober Pixie was designed by Paul Poberezny, former president of the EAA. The original powerplant was the 1835cc VW, with construction of welded steel for the fuselage and wood for the wings. The whole plane is covered in Dacron fabric. The large wing and full-span ailerons make it very nice to fly and manoeuvrable at low speeds. Many components can be sourced at Wicks Aircraft and Aircraft Spruce & Specialty.

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EW	WA	WS	TC	Eng	HP	MTOW	St	Vmax	Vc	Vs0	Vz	FC	Cert	Assembled	Kit	Plan
246	12.46	9.1	-	VW 1835	60	407	1	-	134	48.3	2.54	13.25	PFA	-	-	\$ 125

Pober Pixie



ACROLITE

The Acrolite uses the classic construction of welded steel for the fuselage and tailpane with wooden structure for the wings. Aileron structure is in aluminum sheet, fabric-covered. Normal engine options are a Rotax 912 or 582.

ACROLITE AIRCRAFT

50 Airport Road, PO Box 181 • Kakabeka Falls • Ontario P0T 1W0 • CANADA

Tel: +1 807 / 935 2587, Fax: +1 807 / 343 6533

jeantw@tbaytel.net • www.acrolite.ca

EW	WA	WS	TC	Eng	HP	MTOW	St	Vmax	Vc	Vs0	Vz	FC	Cert	Assembled	Kit	Plan
205	12.36	6.09	34	Rotax 912, 582	80, 65	362	1	210	176	72	9	18	-	-	-	\$ 170

Acrolite 1C



ACROLITE

The 1T uses the same construction as the 1C but the covering of all six wings is made of epoxy sheet instead of plywood. Unlike the biplane, only the middle wing is equipped with ailerons, but this is enough to retain a good roll rate. Upward visibility is good thanks to the staggering of the wings. A new single-wing project is under development.

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EW	WA	WS	TC	Eng	HP	MTOW	St	Vmax	Vc	Vs0	Vz	FC	Cert	Assembled	Kit	Plan
199	10.32	5.48	30	Rotax 447, 503, 582	65	326	1	177	150	70	5	18	-	-	-	\$ 125

Acrolite 1T



AERO SYSTEMS

This is an optimized version of the 1941 Culver Cadet, sold as plans. It features retractable landing gear and an elliptic wing. Performance is good, considering the modest engine. Wood and steel construction are used.

AERO SYSTEMS

5353 Aztec Dr., #13 • La Mesa • CA 91942 • USA

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cadetstf@cox.net

EW	WA	WS	TC	Eng	HP	MTOW	St	Vmax	Vc	Vs0	Vz	FC	Cert	Assembled	Kit	Plan
403	11	8.23	95	Continental	100	592	2	282	217	88	5	20	US Exp.	-	-	375 €

Cadet STF

