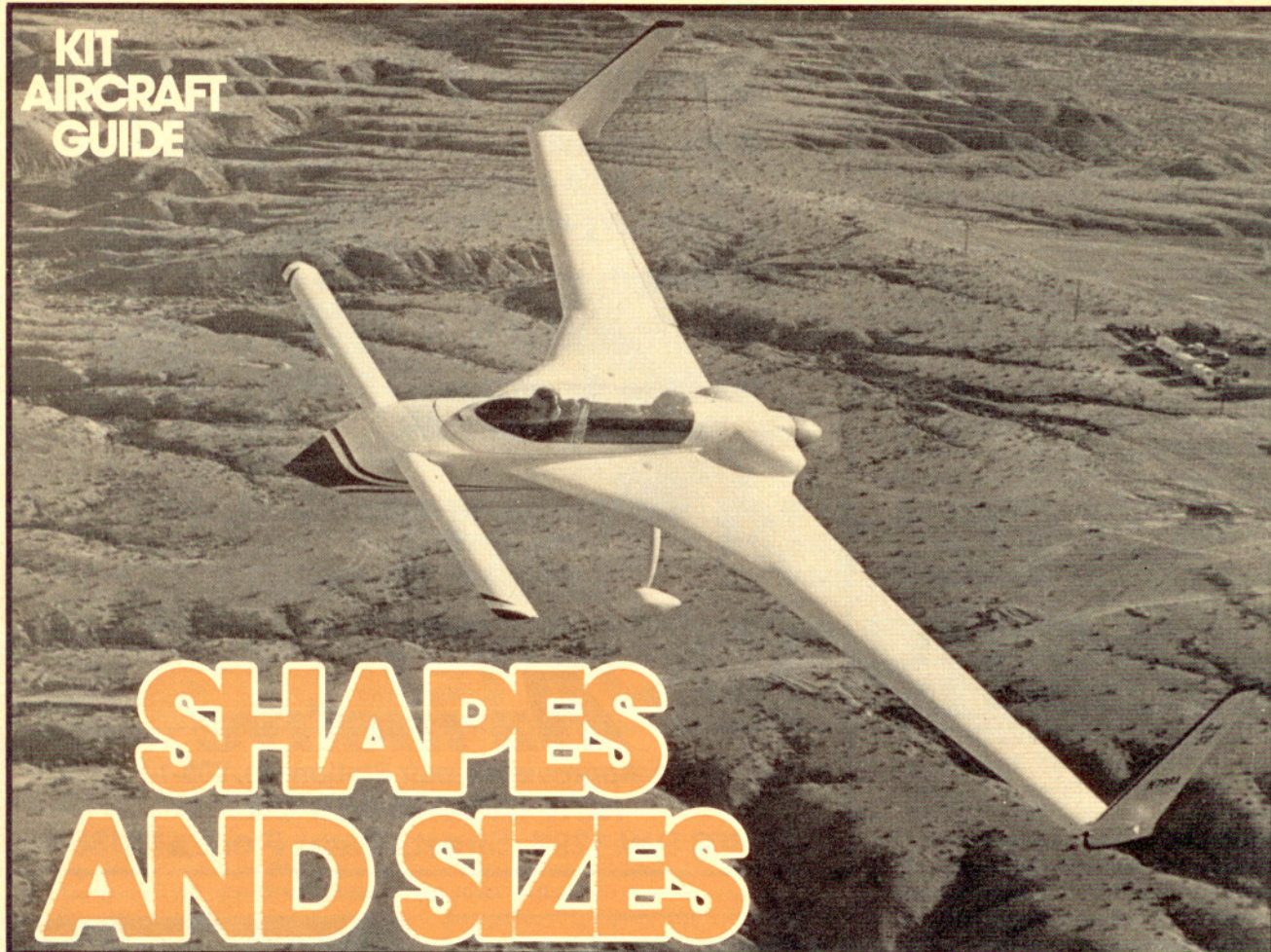


KIT AIRCRAFT GUIDE



SHAPES AND SIZES

The Long-EZ, big brother of the popular VariEze, can be equipped for night and instrument flight.

This directory was compiled as a guide for basic comparisons of Experimental category aircraft that can be built from kits containing a substantial portion of the necessary construction materials.

Some of these kits contain everything you would need to build the aircraft. Many include everything but engines and propellers, while others contain only the raw materials for building the airframe. Supply houses that are the

sole sources for building materials for particular aircraft are listed within parentheses at the ends of the appropriate directory listings. In most cases, plans must be obtained from the designer.

The data were supplied by Experimental aircraft designers and kit suppliers who responded by press time to written and telephoned queries.

The aircraft are listed alphabetically according to the designer or kit manu-

facturer and have been grouped into six categories: amphibian, biplane, canard, monoplane, rotary wing and (powered) ultralight.

In many cases, the prices for materials kits do not include plans and freight charges. The accompanying listing of addresses and telephone numbers of kit aircraft designers and suppliers will aid readers in obtaining more information on the aircraft.

Designer and Model	Construction	Powerplant	Wingspan	Length/Height	Seats	Weights Gross/Empty (lb)	Fuel capacity Std/Opt (gal)	Rate of climb (fpm)	Speeds Max/Cruise (kt)	Range (nm)	Stall speed (kt)	Materials kit
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AMPHIBIAN

P.H. Spencer Spencer Air Car	Wood, metal, fiberglass	Continental Tiara 285 hp	37 ft 4 in	26 ft 5 in/ 11 ft 9 in	4	3,200/ 2,190	94/—	1,000	118/113	650	37	\$7,973 less engine
Osprey Aircraft Osprey 2	Wood, foam, fiberglass	Lycoming O-320 150 hp	26 ft	21 ft/ 5 ft 8 in	2	1,560/ 970	26/—	1,300	122/113	340	54	\$3,690 less engine (Wicks)

BIPLANE

Acro Sport Acro II	Wood, metal	Lycoming O-360 180 hp	21 ft 8 in	18 ft 10 in/ 6 ft 7 in	2	1,520/ 875	26/—	1,000	156/107	260	46	\$15,766 complete (Wag-Aero)
Aerosport Scamp	Metal	Volkswagen 1834 60 hp	17 ft 6 in	14 ft/ 5 ft 6 in	1	768/ 530	8/—	900	91/78	153	44	\$3,945 less engine
Barney Oldfield Baby Great Lakes	Wood, metal, fabric	Continental A-80 65 hp	16 ft 8 in	13 ft 6 in/ 4 ft 6 in	1	850/ 480	12/—	2,000	117/95	220	43	\$3,800 less engine

Designer and Model	Construction	Powerplant	Wingspan	Length/Height	Seats	Weights Gross/Empty (lb)	Fuel capacity Std/Opt (gal)	Rate of climb (fpm)	Speeds Max/Cruise (kt)	Range (nm)	Stall speed (kt)	Materials kit
Christen Industries Christen Eagle II	Wood, metal, fabric, fiberglass	Lycoming AEIO-360 200 hp	19 ft 11 in	18 ft 6 in/ 6 ft 6 in	2	1,578/ 1,025	25/—	2,100	156/143	330	50	\$35,000 complete
Pitts Aerobatics Pitts S-1S	Wood, metal, fabric	Lycoming IO-360 180 hp	17 ft 4 in	15 ft 6 in/ 6 ft 3 in	1	1,150/ 800	20/—	2,600	127/124	260	55	\$15,150 less engine
Pitts Aerobatics Pitts S-2A	Wood, metal, fabric	Lycoming AEIO-360 200 hp	20 ft	17 ft 3 in/ 6 ft 4 in	2	1,500/ 1,035	35/—	2,700	136/132	260	50	\$18,850 less engine
Pitts Aerobatics Pitts S-2S	Wood, metal, fabric	Lycoming AEIO-540 260 hp	20 ft	17 ft 3 in/ 6 ft 4 in	2	1,500/ 1,090	35/—	2,800	160/150	435	51	\$18,500 less engine
Sorrell Aviation Hiperbipe	Wood, metal, fabric	Lycoming IO-360 180 hp	22 ft 10 in	20 ft 10 in/ 5 ft 10 in	2	1,690/ 1,236	39/—	1,500	148/140	435	44	\$4,190 less engine
Stolp Starduster Acroduster II	Wood, metal, fabric	Lycoming IO-360 180 hp	19 ft	15 ft 9 in/ 6 ft 3 in	1	1,190/ 740	25/—	3,000	156/143	315	48	\$7,800 less engine
Stolp Starduster Acroduster Too	Wood, metal, fabric	Lycoming IO-360 200 hp	21 ft 5 in	18 ft 6 in/ 6 ft 10 in	2	1,800/ 1,050	45/—	2,300	172/140	565	48	\$8,150 less engine
Stolp Starduster Starduster Too	Wood, metal, fabric	Lycoming IO-360 180 hp	24 ft	20 ft 5 in/ 7 ft 4 in	2	1,704/ 1,000	50/—	1,500	128/117	520	48	\$8,152 less engine
Stolp Starduster V-Star	Wood, metal, fabric	Continental A-80 65 hp	23 ft	17 ft 2 in/ —	1	1,000/ 649	22/—	600	78/70	260	31	\$7,763 less engine

CANARD

Quickie Aircraft Quickie	Composite, foam, fiberglass	Onan 18 hp	16 ft 8 in	17 ft 4 in/ 3 ft 5 in	1	480/ 240	8/—	425	110/105	478	46	\$4,850 complete (Aircraft Spruce, Wicks Aircraft, Ken Brock Mfg.)
Rutan Aircraft Long-EZ	Composite	Lycoming O-235 108 hp	26 ft 4 in	17 ft/ 5 ft 3 in	2	1,325/ 710	52/—	830	160/125	1,750	57	\$2,900 less engine (Aircraft Spruce, Wicks Aircraft, Ken Brock Mfg.)
Rutan Aircraft VariEze	Composite	Continental A-80 65 hp	22 ft 2 in	16 ft 10 in/ 4 ft 11 in	2	1,000/ 570	26/—	800	150/117	780	60	\$2,500 less engine (Aircraft Spruce, Wicks Aircraft, Ken Brock Mfg.)

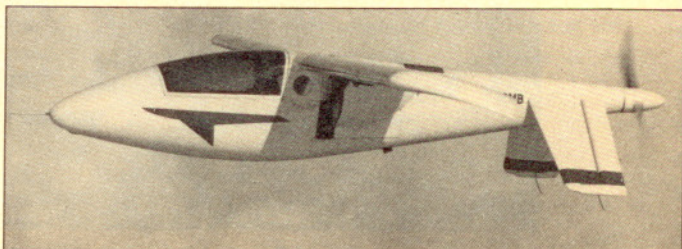
MONOPLANE

Ace Aircraft Baby Ace	Wood, metal, fabric	Continental A-80 65 hp	26 ft 5 in	17 ft 8 in/ 6 ft 7 in	1	900/ 575	16.8/—	1,200	113/78	300	30	\$1,800 less engine
Bushby Aircraft Midget Mustang	Metal	Lycoming O-320 150 hp	18 ft 6 in	16 ft 5 in/ 4 ft 6 in	1	1,000/ 620	15/—	2,200	212/200	390	53	\$1,917 less engine, tanks, cowl
Bushby Aircraft Mustang II	Metal	Lycoming O-360 180 hp	24 ft 4 in	19 ft 5 in/ 5 ft 3 in	2	1,500/ 975	25/—	1,800	212/190	520	55	\$4,178 less engine
Molt Taylor Mini-Imp	Metal, fiberglass	Limbach-Volkswagen 60 hp	25 ft	16 ft/ 4 ft	1	800/ 500	12/24	1,200	165/130	435	37	\$3,000 less engine
Monnett Aircraft Sonera 1	Metal	Volkswagen 1600 50 hp	16 ft 8 in	16 ft 8 in/ —	1	750/ 440	10/—	1,000	148/130	260	35	\$2,336 less engine
Monnett Aircraft Sonera 2	Metal, fabric, fiberglass	Volkswagen 1700 60 hp	18 ft 8 in	18 ft 10 in/ 5 ft 6 in	2	950/ 520	10/—	500	173/121	212	39	\$2,494 less engine, paint, fabric

KIT GUIDE continued overleaf



No matter what you want an aircraft for, there is a kit to help you build it. The Hiperbipe biplane features fixed landing gear and a 140-knot cruise speed. The Osprey 2 amphibian is at home in the air, on land and on water. The Mini-Imp has retractable landing gear, a pusher propeller and an inverted V-tail.



Designer and Model	Construction	Powerplant	Wingspan	Length/Height	Seats	Weights Gross/Empty (lb)	Fuel capacity Std/Opt (gal)	Rate of climb (fpm)	Cruise speed (kt)	Range (nm)	Stall speed (kt)	Materials kit
Pazmany Aircraft PL-4A	Metal	Volkswagen 1600 50 hp	26 ft 8 in	16 ft 2 in/ 5 ft 8 in	1	850/ 578	12/—	650	96/87	305	40	\$1,444 basic airframe
PDQ Aircraft PDQ-2	Metal, composite	Volkswagen 1600 50 hp	24 ft 5 in	15 ft 6 in/ 5 ft	1	800/ 320	6/—	550	70/61	175	35	\$1,500 less engine
Rand Robinson KR-1	Wood, foam, fabric	Volkswagen 1834 60 hp	17 ft	12 ft 9 in/ 3 ft 8 in	1	750/ 375	8/50	900	174/157	435	40	\$2,000 less engine
Rand Robinson KR-2	Wood, foam, fabric	Volkswagen 2100 65 hp	20 ft 8 in	14 ft 6 in/ 3 ft 8 in	2	900/ 480	12/60	1,200	174/157	435	40	\$2,300 less engine
Sequoia Aircraft Falco F. 8L	Metal, wood	Lycoming O-320 160 hp	26 ft 3 in	21 ft 4 in/ 7 ft 6 in	2	1,808/ 1,212	32/—	1,140	185/165	750	54	\$12,000 less engine, wood components
Sport Aircraft MiniCoupe	Metal	Volkswagen 1600 65 hp	22 ft 4 in	16 ft 4 in/ 6 ft	1	825/ 494	12.5/—	800	91/78	350	42	\$2,260 less engine, tires, wheels
Stoddard Hamilton Glasair	All composite	Lycoming O-235 115 hp	23 ft 3 in	19 ft/ 6 ft 5 in	2	1,300/ 815	24/—	1,110	179/173	212	49	\$7,500 less engine, wheels, tires, brakes, tailwheel, tailwheel spring
Stolp Starduster Starlet	Metal, wood, fabric	Lycoming O-235 108 hp	25 ft	17 ft/ 6 ft 8 in	1	1,000/ 650	20/—	1,600	130/117	260	48	\$4,144 less engine
Wag-Aero CUBy	Wood, metal, fabric	Continental A-80 65 hp	35 ft 2.5 in	22 ft 2.7 in/ 6 ft 8 in	2	1,400/ 720	12/38	490	88/82	192	34	\$6,462 less engine, fabric
Wag-Aero Wag-A-Bond	Metal, fabric	Continental A-80 65 hp	29 ft 4 in	18 ft 8 in/ 6 ft	2	1,250/ 640	12/—	625	91/83	420	40	\$13,462 less engine, fabric
Watson Windwagon Windwagon	Metal	Volkswagen 900 30 hp	18 ft	13 ft/ 4 ft 2 in	1	485/ 273	4/—	450	113/87	260	35	\$3,600 complete
Zenair Mono-Z CH100	Metal	Continental 65 100 hp	22 ft	19 ft 6 in/ 6 ft 4 in	1	960/ 630	15/—	820	109/96	350	42	\$6,736 less engine
Zenair Zenith CH200	Metal	Lycoming O-235 125 hp	23 ft	20 ft 6 in/ 6 ft 10 in	2	1,500/ 930	24/34	1,100	131/123	390	47	\$8,328 tricycle, \$7,998 conventional; less engine
Zenair Tri-Z CH300	Metal	Lycoming O-360 180 hp	26 ft 6 in	22 ft 6 in/ 6 ft 9 in	3	1,850/ 1,140	34/68	1,400	148/133	420	46	\$9,554 tricycle, \$9,252 conventional; less engine

ULTRALIGHT

Mitchell Aircraft Mitchell Wing B10	Wood, fabric	McCulloch 10 hp	34 ft	8 ft/ 4 ft	1	360/ 145	2/—	400	—/48	82	21	\$4,495 less engine
Mitchell Aircraft Mitchell U-2	Wood, fabric	McCulloch 10 hp	34 ft	8 ft/ 4 ft	1	430/ 200	1.75/—	400	—/56	87	19	\$2,795 less engine
Weedhopper of Utah Weedhopper	Metal, fabric	Chotia 460 32 hp	28 ft	18 ft 6 in/ —	1	451/ 164	1/3.5	600	—/26	78	16	\$2,995 complete
Weedhopper of Utah Gypsy	Metal, fabric	Chotia 460 32 hp	32 ft	17 ft/ 8 ft 6 in	1	415/ 165	2/—	—	—/35	104	19	\$2,995 complete

ROTARY WING

Designer and Model	Construction	Powerplant	Rotorspan	Length/Height	Seats	Weights Gross/Empty (lb)	Fuel capacity Std/Opt (gal)	Rate of climb (fpm)	Speeds Max/Cruise (kt)	Range (nm)	Autorotation speed (kt)	Materials kit
Bensen Aircraft B80 Gyrocopter	Metal	McCulloch 4318AX 72 hp	21 ft	11 ft 4 in/ 6 ft 3 in	1	500/ 247	6/18	800	78/52	87	17	\$2,995 less engine
International Helicopters Commuter IIA	Metal	Lycoming O-320 150 hp	25 ft	29 ft/ 8 ft 2 in	2	1,300/ 700	20/—	1,200	87/78	172	48	\$14,619 complete
RotorWay Scorpion 133	Metal, fiberglass	RotorWay 133 133 hp	25 ft	21 ft/ 7 ft 3 in	2	1,200/ 780	10/—	800	78/70	104	52	\$16,675 complete
RotorWay Exec	Metal, fiberglass	RotorWay 145 145 hp	25 ft	21 ft 6 in/ 7 ft 3 in	2	1,263/ 780	14/19	1,200	107/91	175	—	\$21,895 complete



A poor man's Flying Wing, the Mitchell U-2 ultralight can ascend at 400 fpm or descend at a glide ratio of 25:1.

Designers and Manufacturers Index

Ace Aircraft Manufacturing
106 Arthur Road
Asheville, N.C. 28806
704/252-4325

Acro Sport
P.O. Box 462
Hales Corners, Wis. 53130
414/425-4860

Aerosport
Box 278
Holly Springs, N.C. 27540
919/552-6375

Aircraft Spruce and Specialty
Box 424
Fullerton, Calif. 92632
714/870-7551

Barney Oldfield Aircraft
P.O. Box 5974
Cleveland, Ohio 44101
216/423-3816

Bensen Aircraft
P.O. Box 31047
Raleigh, N.C. 27622
919/787-4224

Bushby Aircraft
Route 1, Box 13B
Minooka, Ill. 60447
815/467-2346

Christen Industries
1048 Santa Ana Valley Road
Hollister, Calif. 95023
408/637-7405

International Helicopters
P.O. Box 107
Mayville, N.Y. 14757
716/753-2113

Ken Brock Manufacturing
11852 Western Ave.
Stanton, Calif. 90680
714/898-4366

Mitchell Aircraft
1900 S. Newcomb
Porterville, Calif. 93257
209/781-0778

Molt Taylor
P.O. Box 1171
Longview, Wash. 98632
206/423-8260

Monnett Experimental Aircraft
955 Grace St.
Elgin, Ill. 60120
312/741-2223

Osprey Aircraft
3741 El-Ricon Way
Sacramento, Calif. 95825
916/483-3004

PDQ Aircraft Products
Route 6
Forrester Drive #9
Manchester, Tenn. 37355
615/728-1828

P.H. Spencer
12780 Pierce St.
Pacoima, Calif. 91331
213/899-1010

Pazmany Aircraft
P.O. Box 80051
San Diego, Calif. 92138

Pitts Aerobatics
P.O. Box 547
Afton, Wyo. 83110
307/886-3151

Quickie Aircraft
P.O. Box 786
Mojave, Calif. 93501
805/824-4313

Rand Robinson Engineering
5842 K McFadden Ave.
Huntington Beach, Calif. 92649
714/898-3811

Rotorway Aircraft
14805 S. Interstate 10
Tempe, Ariz. 85284
602/963-6652

Rutan Aircraft Factory
Building 13
Mojave Airport
Mojave, Calif. 93501
805/824-2645

Sequoia Aircraft
Dept. M
900 W. Franklin St.
Richmond, Va. 23220

Sorrell Aviation
16525 Tilley Road South
Tenino, Wash. 98589
206/264-2866

Sport Aircraft International
P.O. Box 1
Hillsboro, Ore. 97123
503/985-7612

Stoddard Hamilton Aircraft
Box 1222
Issaquah, Wash. 98027

Stolp Starduster
4301 Twining
Flabob Airport
Riverside, Calif. 92509
714/686-7943

Wag-Aero
P.O. Box 181
North Road
Lyons, Wis. 53148
414/763-9588

Watson Windwagon
Route 1
Newcastle, Tex 76372
817/862-2653

Weedhopper of Utah
Box 2253
1148 Century Drive
Odgen, Utah 84404
801/621-3941

Wicks Aircraft Supply
410 Pine
Highland, Ill. 62249
618/654-7447

Zenair Atlanta
Route 12, Box 720
Gainesville, Ga 30501
404/536-1156

Zenair Seattle
606 S.W. 302 St.
Federal Way, Wash. 98003
206/839-0848