

REFERENCE SECTION

# Unmanned Aircraft Systems

	Country	Producer (s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW Max. (kg)	Payload Capacity
01	Argentina	AeroDreams UAV	ADS-101 Strix	02-Mini		CC	FW	●		4			5
02	Argentina	AeroDreams UAV	ADS-301 Nancu	02-Mini		CC	FW	●		1	15		
03	Argentina	AeroDreams UAV	ADS-401	02-Mini		CC	FW	●					
04	Australia	AAI Corp - Aerosonde	Aerosonde Mk III & IV	08-LALE		CC	FW	▲	150+	24+	3000+	15	Up to 5
05	Australia	ADRO	Pelican Observer	03-CR		CC	FW	●	220	1-12		27.2	13,6
06	Australia	AeroCam Australia	Trainer	02-Mini		CC	FW	▲				2.5	
07	Australia	AeroCam Australia	Shadow UAV	02-CR		CC	FW	●			90	25	
08	Australia	BAE Systems & University of Sydney	Brumby Mk3	05-MR		RV	FW	▲●	185	2		45	7
09	Australia	BAE Systems & University of Sydney	Kingfisher Mk1	04-SR		RV	FW	▲●	185	3	64-185	60	12
10	Australia	BAE Systems & University of Sydney	Kingfisher Mk2	04-SR		RV	FW	▲●	185	14		115	30
11	Australia	Codarra Advanced Systems	Avatar	02-Mini		DP	FW	▲	50	1	10	6	1
12	Australia	CSIRO	Mantis	02-Mini		DP	RW	●		0,3		8	0,08
13	Australia	Sonacom & University of Sydney	Mirli	05-MR		DP	TB	▲●	370	5	1000	300	100
14	Australia	University of South Australia & Aerospace Sciences Corp.	Tandem Wing	03-CR	Twin-Wing	CC	FW	▲●					
15	Australia	UAV Vision	G18 Aeolus	03-CR		CC	RW	●	90		1	14	5
16	Australia	UAV Vision	T21	02-Mini		CC	RW	▲●	90		1	35	8
17	Australia	UAV Vision	T26	02-Mini		CC	RW	●	90		0,8	45	12
18	Australia	V-TOL Aerospace	i-copter Phantom	03-CR		CC	RW	●	180	2-12		250	Up to 135
19	Australia	V-TOL Aerospace	i-copter Seeker	03-CR		CC	RW	●	130	1,5-2		35-40	5-10
20	Austria	Schiebel Elektronische Geräte	Camcopter	04-SR		DP	RW	▲	90 (CS)	6	10	68	25
21	Belgium	Flying-Cam	FlyingCam	02-Mini		CC	RW	▲	120	0,25	0,35	15	
22	Canada	Advanced Subsonics	Grasshopper	02-Mini		DP	FW	●	83	2		8,2	2,3
23	Canada	CropCam	CropCam	02-Mini		CC	FW	▲		0,3	3	1,5	
24	Canada	MicroPilot	MP-Trainer	02-Mini	Training AC	DP	FW	■					0,9
25	Canada	MicroPilot	MP-Vision	02-Mini	Training AC	DP	FW	■	60	0,9	4	2,7	
26	Chili	Chilean Air Force Polytechnical Academy	Vantapa X-02	05-MR		DP, DV	FW	●	150(CS)	7		150	
27	Colombia	FromSky	Terraco	02-Mini		CC	FW	●					
28	Colombia	EAFIT University	Colibri Project	02-Mini		RV	FW	●					
29	Croatia	Soko	B3	04-SR		DP, DV	FW	●	106 (CS)	9		220	
30	Croatia	Soko	B4	04-SR		DP, DV	FW	●	120 (CS)	12		220	
31	France	ABS Aerolight	Maxi	03-CR		DP, DV	Prf	●	18-65	1		25	15-30
32	France	ABS Aerolight	Pxy	03-CR		DP	Prf	▲	60	1		5,6(10,5)	
33	France	Aeroart & Mercury Computer	Aelius 0	02-Mini		CC	FW	▲●	160	0,5		75	17
34	France	Aeroart & Mercury Computer	Aelius 1	02-Mini		CC	FW	▲●	180		250	20	30
35	France	EADS Military Aircraft & Dyn'Aéro (airframe)	Surveyor 2500	05-MR	OPA	DP	FW	■	360	12	185	450-750	100
36	France	EADS Military Aircraft & SurveyCopter	Scorpio 30	04-SR		DP	RW	■	50 (CS)	2	10	38	15
37	France	EADS Military Aircraft & SurveyCopter	Scorpio 6	04-SR		DP	RW	▲	35 (CS)	1	10	13	6
38	France	Flying Robots	FR 101	05-MR	OPA	DP	Prf	■		12	150	600	250
39	France	Flying Robots	FR A2	02-Mini		DP	FW	●	120	1,15	10	15	4
40	France	Flying Robots	FR E1	02-Mini		DP	FW	●	60	1	10		
41	France	Gates Technology	GT Aircraft	03-CR		CC	LiA	▲●					
42	France	Infotron	IT 180-5 TH	02-Mini		DP	RW	●	90	1,5	5+	15	5
43	France	Infotron	IT 180-5 EL	02-Mini	Electric	DP	RW	▲●	90	0,5	5	15	5
44	France	Novadem	NX110	02-Mini	Electric	CC	RW	■					
45	France	Pix-Air & AirStar	Soulcam	02-Mini		CC	LiA	■	20	3	1,5	90	30
46	France	PR Automation (based on Vario, Germany)	PY Copter	02-Mini	Benzin model A/C	CC	RW	■		0,45-1		15,4	4
47	France	Sagem Défense Sécurité (Safran)	Merlin	02-Mini	Twin Wing	DP	FW	●	75	1+	7+	6	0,8
48	France	Sagem Défense Sécurité (Safran) & Onéra, France & Stemme, Germany (airframe)	Busard	06-MRE	OPA	CC, RV	FW	●		20	180+	1100	
49	France	Sirehna & KYU Microdrones, France & PY Automation, France	Cybird	02-Mini	1 electric engine	CC	FW	■	70	1	3	1,5	0,5
50	France	Sirehna & KYU Microdrones, France & PY Automation, France	Elytre (Elsa)	02-Mini	2 electric engines	CC	FW	◆	70	1	3	1,5	0,5
51	France	Survey-Copter	Copter 1	02-Mini		DP	RW	▲		0,5			5-7
52	France	Survey-Copter	Copter 1b	02-Mini		DP	RW	▲	70	0,75	1-8	12-15	5,5
53	France	Survey-Copter	Copter 4	03-CR	2 Engines	DP	RW	●	70	1	1-8	25	10
54	France	Survey-Copter	DVF-2000	02-Mini	Electric	DP	FW	■	90	1,5	6	7	1
55	France	Vision du ciel	Cyclope 4.0	02-Mini		CC	FW	▲	25	0,25	1	2,5	1
56	France	Vision du ciel	I.Z.I 1.0	02-Mini		CC	FW	▲	35	0,25	0,8	1,7	0,4
57	France	Vision du ciel	Pixy 26-40	02-Mini		CC	Prf	▲	15	1			6
58	Germany	AirRobot	AR70	01-Micro	4 RW - Electric	DP,DV	RW	▲●		0,3	0,5	1	0,2
59	Germany	AirRobot	Mikado	01-Micro	4 RW	DP,DV	RW	▲●		0,3+	0,5	1	
60	Germany	Borjet	CoRex	01-Micro		CC	FW	●		0,6		5	2,5
61	Germany	Borjet	FlyEye	01-Micro		CC	FW	●				3	0,5

CR = Close Range	AirL = Air-Launched	M = Military	TW = Tilt Wing
SR = Short Range	B/C = Bacteriological & chemical sensing	NM = Not Motorised	UCAR = Unmanned Combat Aerial Rotorcraft
MR = Medium Range	CC = Civil/Commercial	OFF = Offensive	VSTOL = Very Short Take-Off & Landing
MRE = Medium Range Endurance	CL = Container Launched	OPA = Optionally Piloted Aircraft	VTOL = Vertical Take-Off & Landing
LADP = Low Altitude Deep Penetration	CRW = Canard Rotary Wing	Prf = Parafoil	
LALE = Low Altitude Long Endurance	CS = Cruising Speed	RATO = Rocket Assisted Take-Off	▲ = Proof-of-concept/demonstrator
MALE = Medium Altitude Long Endurance	DP = Dual Purpose - civil/military	RV = Research Vehicle	▲ = In inventory and/or in service
HALE = High Altitude Long Endurance	DV = Developmental Vehicle	RW = Rotary Wing	⊗ = Ordered/Entering service
UCAV = Unmanned Combat Aerial Vehicle	EW = Electronic Warfare	SRW = Shrouded Rotary Wing	◆ = Ordered as test/demo system
STRA = Stratospheric	Ex = Expendable	LiA = Lighter than Air	● = Development continuing
EXO = Exo stratospheric	FLW = Flapping Wing	TB = Tilt Body	⚡ = No longer in production/development
	FW = Fixed Wing	TR = Tilt Rotor	■ = Developed & market ready

## NON-MILITARY APPLICATIONS



Surveycopter, France



Scout B2-120 - Aeroscout, Switzerland



Copter1b - Surveycopter, France



Copter4 - Surveycopter, France



Cyclope 4.0 - Vision du Ciel, France



EKH-001 E-Producties, Netherlands



Gates Technology, France



IRPH FlyCam, Netherlands



Skive Aviation, Switzerland



X2F 80 HighEye, Netherlands



HE26 HighEye, Netherlands



HE26 HighEye, Netherlands



Irkut-20 - Irkut, Russian Fed.



Autocopter - Neural Robotics, USA



2T - Irkut, Russian Fed.



Soulcam - Pix-Air, France



Helivision - Steadicopter, Israel



SR100 - Rotomotion, USA

	Country	Producer (s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
62	Germany	Diehl (see Microdrones, Germany)	SensoCopter	01-Micro	4 RW - Electric	DP,DV	RW	▲●		0,3	3	0,9	0,150
63	Germany	Mavionics	Carolo P70	02-Mini	Electric	DP	FW	■	80	0,33		0,55	0,1
64	Germany	Mavionics	Carolo T140	02-Mini	Electric	DP	FW	■	70	0,75		1,85	0,3
65	Germany	Mavionics	Carolo T200	02-Mini	Electric	DP	FW	■	90	0,75		4,5	1
66	Germany	Microdrones	Md4-1000	02-Mini	4 RW - Electric	DP	RW	●				4,8	1,2
67	Germany	Microdrones (see Diehl)	Md4-200	02-Mini	4 RW - Electric	DP	RW	●		0,3	0,5	1,1	0,2
68	Germany	Rheinmetall Defense Electronics	Opale	05-MR	Diesel, OPA	DP	FW	■		12	200	3750	
69	Germany	Rotrob	Rotrob	02-Mini		CC	RW	▲		2	125		18
70	Germany	Scalecopter	CamClone	02-Mini		DP	RW	●	160	1,1	20	41,6	10
71	Germany	UAV Services & Systems	X-Sight	02-Mini		DP	FW	▲●	180	3	45	16	6
72	Germany	UAV Services & Systems	MX-Sight	02-Mini		DP	FW	▲●	130	0,5	35	6,9	2,2
73	Greece	EADS - 3 Sigma	Nearchos	05-MR		DP, DV	FW	▲●	220	8-12	240	190	51-92
74	Hungary	HI Aero	Gabbiano	02-Mini	Electric	DP	FW	▲		2	15	4,5	
75	International	Airscan Consortium (EC funded)	Airscan	04-SR		CC	LiA	●▲◆					
76	International	Alcatel, Belgium & Vito, Belgium & Verhaert, Belgium & QinetiQ, UK	Pegasus	12-STRA	Solar/Electric	CC	FW	▲●				27	
77	International	Composites Technology, Malaysia & BAE Systems, USA	Eagle 150	05-MR	OPA	DP	FW	▲	246	10	250	648	60
78	International	Kawada, Japan & Schweizer, USA	RoboCopter 300	03-CR		CC	RW	■		1,6		794	294 Fuel Incl
79	International	Politecnico Torino, Italy & Euro Consortium	Heliplat	12-STRA	Solar/electric	CC	FW	▲●	71 (CS)	weeks		7200	
80	International	SmartFish, Switzerland & DLR, Germany	HyFish	02-Mini	Electric/Fuel cell	RV	FW	▲●	200				
81	Iran	Mechanics College of Isfahan University	Aria	05-MR	OPA	DP, DV	FW	▲	120(CS)				
82	Israel	Aeronautics Defense Systems	Aerostar	04-SR	Rental Services	DP	FW	▲	200	14+	200	200	50
83	Israel	Aeronautics Defense Systems	Aerostar	04-SR	Rental Services	DP	FW	▲	200	14+	200	200	50
84	Israel	BlueBird Aero Systems	MicroB	01-Micro	Electric	DP	FW	■	45-90	1	10	1	0,450
85	Israel	Elbit Systems + IAI + Urban Aerospace	Mule	04-SR		DP	SRW	▲	185	3-5		1725	
86	Israel	IAI-Malat	EyeView B	04-SR		DP	FW	■	111 (CS)	6		154	
87	Israel	IAI-Malat	Firebird	04-SR		DP	FW	■	111 (CS)	6		154	
88	Israel	Steadicopter	STD-5	03-CR		DP	RW	■		1-2	5	13,6	5,4
89	Israel	Topi-Vision	Casper - 420	03-CR		DP	FW	●	110(CS)	4	50	12	
90	Italy	A2Tech	RV-02	02-Mini	Electric	CC	FW	●		0,3-0,6	2-10	2	
91	Italy	A2Tech	RV-160TD	02-Mini		CC	FW	●			10		10
92	Italy	Alenia Aeronautica & Selex Galileo & Thales Alenia Space	Molynx	10-HALE	Diesel (x2)	CC	FW	●	400	25	3700	3000	600
93	Italy	CIRA	Castore	12-STRA		RV	FW	▲	> 1000				
94	Italy	MAVTech	MH600-AP	01-Micro		CC	FW	●	75	1	1,5		0,10
95	Italy	MAVTech	MH2000	02-Mini		CC	FW	●	75	1	0,75		1
96	Italy	Nimbus	NBS 20	02-Mini		CC	LiA	●	50	2,5		20	4
97	Italy	Nimbus	NBS 35	02-Mini		CC	LiA	●	50	6		35	6
98	Italy	Siralab	SR-H3	02-Mini		CC	FW	●▲	36 (CS)	0,5			1
99	Japan	Fuji Heavy Industries	HSFD	03-CR		RV	RW	◆				735	
100	Japan	Fuji Heavy Industries	RPH-2A	02-Mini		CC	RW	⊕	120	1	150	305	60
101	Japan	Hirobo	Sky Surveyor	03-CR		CC	RW	■		1		48	
102	Japan	Kawada Industries & Hitachi	Colugo	02-Mini		DP	FW	●	54	0,5		0,4	
103	Japan	Nara Institute of Science + Technology	XB-2	05-MR	Circular wing	DP	SRW	●	435	24			
104	Japan	Nara Inst. of Science + Technology & TAO	Skyblade	02-Mini	Tail-sitter	CC, DV	FW	⊕					
105	Japan	Yamaha Motors	Aerial RMAX	03-CR		CC	RW	▲					
106	Japan	Yamaha Motors	Agricultural RMAX	03-CR		CC	RW	▲					
107	Japan	Yamaha Motors	Autonomous RMAX II	03-CR		DP	RW	▲	72	2,5	LOS 150m	94	10
108	Japan	Yamaha Motors	Autonomous RMAX IIG	03-CR		DP	RW	▲	72	2,5	LOS 150m	94	10
109	Japan	Yanmar Agricultural Equipment Co.	YH-300SL	02-Mini		CC	RW	▲					
110	Japan	Yanmar Heli Service & Kobe Giken	KG-135	02-Mini		CC	RW	▲⊕					
111	Malaysia	Composites Technology Research (CTRM)	Eagle ARV	05-MR	OPA	DP	FW	▲	246	10	250	648	60
112	Malaysia	System Consultancy Services	UAV	02-Mini		DP	FW	■	120	8	220	35	15
113	Mexico	Hydra Technologies	S3	04-SR	2 x 30 cc	M	FW	●	300	2		40	3,2
114	Mexico	Hydra Technologies	S3E	04-SR	2 x 50 cc	M	FW	●	200	5		45	10
115	Mexico	Hydra Technologies	S4	04-SR	2 x 50 cc	DP	FW	⊕	170	8	80	55	9
116	Mexico	Hydra Technologies	S5	05-MR		DP	FW	●					
117	Netherlands	ASTI & TNO	DelFly I	00-Nano		DV	FLW	●					
118	Netherlands	ASTI & TNO	DelFly II	00-Nano		DV	FLW	●			0,13 +	0,016	0,0025
119	Netherlands	Delft Dynamics	Robot Helicopter	02-Mini		CC	RW	▲●				15	2
120	Netherlands	E-Producties	EKH-001	03-CR		DP	RW	●▲				35	
121	Netherlands	HighEye	HE 26	02-Mini		CC	RW	▲	110		10	15	7,5
122	Netherlands	HighEye	HE 26 C	02-Mini		CC	RW	▲		1	1,5		7
123	Netherlands	HighEye	HE 3.6 t	02-Mini		CC	RW	▲	110		10	24	14
124	Netherlands	HighEye	HE 60	02-Mini		CC	RW	▲	110		12	25	14
125	Netherlands	HighEye	HE 80	02-Mini		CC	RW	▲	110		11	34	20
126	Netherlands	UAV-Europe	MH 23	04-SR		DP	RW	●	100	2,5	11-30	40	15
127	New Zealand	TGR Helicorp Ltd.	Wasp	09-MALE	Diesel	CC	RW	●					
128	Norway	Norut IT	CryoWing	08-LALE		CC	FW	●▲			1500		
129	Norway	Odin Aero	Recce D6	02-Mini	Electric	DP	FW	●▲	100(CS)	0,55	10	2,8	
130	Norway	Prox Dynamics	Black Hornet PD-100	00-Nano		CC	RW	●				0,20	
131	Norway	Proxflyer	BladeRunner	01-Micro	Sold as toy	CC	RW	▲▲				0,05	
132	Norway	Proxflyer	MicroFlyer	01-Micro		CC	RW	▲▲			2mn	0,0078	
133	Norway	Proxflyer	Mosquito	01-Micro		CC	RW	▲▲				0,11	
134	Norway	Proxflyer	Nanoflyer	01-Micro		CC	RW	▲▲			1mn	0,0027	
135	Norway	Scandicraft & CybAero, Sweden	Apid 55	04-SR		DP	RW	■	90	3-6	50	150	55
136	Pakistan	Integrated Dynamics	Explorer	02-Mini		CC	FW	●	160	4	20	20	8

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SR	= Short Range	B/C	= Bacteriological & chemical sensing	NM	= Not Motorised	UCAR	= Unmanned Combat Aerial Rotorcraft
MR	= Medium Range	CC	= Civil/Commercial	OFF	= Offensive	VSTOL	= Very Short Take-Off & Landing
MRE	= Medium Range Endurance	CL	= Container Launched	OPA	= Optionally Piloted Aircraft	VTOL	= Vertical Take-Off & Landing
LADP	= Low Altitude Deep Penetration	CRW	= Canard Rotary Wing	Prf	= Parafoil		
LALE	= Low Altitude Long Endurance	CS	= Cruising Speed	RATO	= Rocket Assisted Take-Off	▲	= Proof-of-concept/demonstrator
MALE	= Medium Altitude Long Endurance	DP	= Dual Purpose - civil/military	RV	= Research Vehicle	▲	= In inventory and/or in service
HALE	= High Altitude Long Endurance	DV	= Developmental Vehicle	RW	= Rotary Wing	⊕	= Ordered/Entering service
UCAV	= Unmanned Combat Aerial Vehicle	EW	= Electronic Warfare	SRW	= Shrouded Rotary Wing	●	= Ordered as test/demo system
STRA	= Stratospheric	Ex	= Expendable	LiA	= Lighter than Air	◆	= Development continuing
EXO	= Exo stratospheric	FLW	= Flapping Wing	TB	= Tilt Body	⊕	= No longer in production/development
		FW	= Fixed Wing	TR	= Tilt Rotor	■	= Developed & market ready

## NON-MILITARY APPLICATIONS



Ikhana - General Atomics Aeronautical Systems, USA - Operated by NASA Dryden Flight Research Center, USA



Laima, Aerosonde, Australia



MD4-200 - Microdrones, Germany



NEO S300 - SwissUAV, Switzerland



SteadyCopter, Israel



APID 55 - CybAero, Sweden



Scout B100 - Aeroscout, Switzerland



BliCopter - Hei Group, USA



SR 1A - Rotomotion, USA



Fugro - Insitu Inc., USA



MXSight - UAV Services & Systems, Germany



SR1B - Rotomotion, USA



NX110 - Novadem, France



Fish - University of Michigan, USA



R-50 - Yamaha Motors, Japan



RPH1 - Fuji Heavy Industries, Japan



GC101 - GeoCopter, The Netherlands



Copter4 - SurveyCopter, France



Cruiser - ET-Air, Norway

	Country	Producer (s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
137	Pakistan	Integrated Dynamics	Rover	02-Mini		CC	FW	●	100	1	5	5	1
138	Poland	Air Force Institute of Technology	HOB-bit	02-Mini	Electric (x2)	DP, DV	FW	▲●	90	1,5	20	3,5	
139	Poland	Air Force Institute of Technology	unnamed	02-Mini		DP, DV	FW	▲●	90		20	18	
140	Portugal	Faculty of Engineering -University of Porto	ASASF	02-Mini		RV	FW	▲●		0,4			
141	Russian Fed.	A-Level Aerosystems	ZALA 421-01	01-Micro		DP	FW	▲	120	0,75	10	2,5	0,25
142	Russian Fed.	A-Level Aerosystems	ZALA 421-02	03-CR		DP	RW	●	150	6	50	95	
143	Russian Fed.	A-Level Aerosystems	ZALA 421-03	02-Mini		DP	FW	●	95	1	25	12	2
144	Russian Fed.	A-Level Aerosystems	ZALA 421-04 electric	02-Mini		DP	FW	●	130	1	40	7	1
145	Russian Fed.	A-Level Aerosystems	ZALA 421-04 thermic	02-Mini		DP	FW	●	130	3	40	8	1
146	Russian Fed.	A-Level Aerosystems	ZALA 421-06	02-Mini		DP	RW	●	80	3	40		3,5
147	Russian Fed.	A-Level Aerosystems	ZALA 421-08	01-Micro		DP	FW	●	130	1,5	15	1,7	
148	Russian Fed.	A-Level Aerosystems	ZALA 421-09	03-CR		DP	FW	●	130	10	50	70	
149	Russian Fed.	A-Level Aerosystems	ZALA 421-12	01-Micro		DP	FW	●	120	2		4	1
150	Russian Fed.	Irkut	Irkut-10	03-CR		DP	FW	●	120	2,5	70	8,5	1,5
151	Russian Fed.	Irkut	Irkut-20	03-CR		DP	FW	●	180	3	70	20	3
152	Russian Fed.	Irkut	Irkut-2F	02-Mini		DP	FW	●	110	1	10	2,8	0,3
153	Russian Fed.	Irkut	Irkut-2T	02-Mini		DP	FW	●	110	1	10	2,8	0,3
154	Russian Fed.	Irkut	Irkut-2M	02-Mini		DP	FW	●	110	1	15	3	0,3
155	Russian Fed.	Irkut & Aeronautics, Israel (airframe)	Irkut-60	03-CR		DP	FW	●	180	6	70	65	15
156	Russian Fed.	Irkut & Aeronautics, Israel (airframe)	Irkut-200	05-MR		DP	FW	●	210	5	80	200	30
157	Russian Fed.	Irkut & Stemme, Germany (airframe)	Irkut-850	05-MR	OPA	DP	FW	●	270	12	200	860	200
158	Russian Fed.	Radio MMS		02-Mini		DP	RW	●					
159	Russian Fed.	Sukhoi	Zond-1	10-HALE		CC	FW	●	M0,5	18	12000	12000	1500
160	Russian Fed.	Sukhoi	Zond-2	10-HALE		DP	FW	●	M0,6	24	12000	12000	1500
161	Russian Fed.	Sukhoi	Zond-3	09-MALE		DP	FW	●	250	12	2500	2000	500
162	Russian Fed.	Tranzas	Dozor 2	03-CR		DP	FW	●	150	10		38	8
163	Russian Fed.	Tupolev	Berkut	05-MR	With canards	DP	FW	▲●	180	8		180	
164	Serbia	EMA	Nikola Tesla 150	02-Mini	Student project	RV	FW	▲●	70		10	40	
165	Singapore	Cradance	Golden Eagle	02-Mini		DP	FW	●	72	2	10	0,85	0,08
166	Singapore	Singapore Technologies Aerospace	Skyblade II	02-Mini		DP	FW	■	130	1-2	8		
167	Singapore	Singapore Technologies Aerospace	Skyblade IV	02-Mini		DP	FW	■	150	6-12	100	50	12
168	South Africa	ABAT	Posduif	02-Mini		DP	FW	●			60		0,7
169	South Africa	Advanced Technologies & Engineering	Civil Vulture	05-MR		CC	FW	●	120 (CS)	8-9	200	150	35
170	South Africa	Advanced Technologies & Engineering	Kiwit	02-Mini	Electric	DP	FW	■	50 (CS)	1	5	3	
171	South Korea	Korean Aeronautical Research Institute	Durumi	08-LALE		DP	FW	●	130	30	3300	15	2,5
172	South Korea	Korean Aerospace Industries & Daewoo	Arch-50	05-MR		CC	RW	■	150	0,6		300	50
173	Spain	Aerovision	Fulmar	03-CR		DP	FW	●	150	8	50	20	8
174	Spain	Airview	AV-01	02-Mini		CC	FW	●	110	2		6	1,5
175	Spain	Airview	AV-02	02-Mini		CC	FW	●	120	2		8	2
176	Spain	Airview	AV-03	02-Mini		CC	FW	●	130	6		28	8
177	Spain	Aitem	Dedalo	02-Mini		CC, RV	FW	▲■‡					
178	Spain	Aitem	Horus	02-Mini		CC, RV	RW	▲■‡					
179	Spain	Robotnik Automation	X4	02-Mini		DP	RW	●					
180	Spain	UAV Navigation	KUAV	03-CR		DP	FW	■		5	30	30	
181	Sweden	CybAero	APID 55	04-SR		DP	RW	⊗	90	3-6	100	160	55 (incl fuel)
182	Sweden	Saab	Skeldar V-150	04-SR		DP	RW	▲●	130	4	100	200	30
183	Sweden	SmartPlanes	Smart-1	02-Mini	Electric	DP	FW	■	55 (CS)	1		1	
184	Switzerland	Aeromedia	Aerocopter 1	02-Mini		CC	RW	■		0,16		2	
185	Switzerland	Aeromedia	Aerocopter 2	02-Mini		CC	RW	■		0,25		12	
186	Switzerland	Aeromedia	AeroStar 1	02-Mini	Electric	CC	FW	■		0,5		1	
187	Switzerland	Aeromedia	AeroStar 2	02-Mini	2x Electric	CC	FW	■		0,5		2	
188	Switzerland	Aeroscout	B2-120	02-Mini		CC	RW	●					20
189	Switzerland	Aeroscout	T5	02-Mini		CC	RW	●				25	10
190	Switzerland	Minizepp	Z10000Pro	02-Mini		CC	LiA	■	75	2-4			4
191	Switzerland	Minizepp	Z13000	02-Mini		CC	LiA	■	60	3-4			13,5
192	Switzerland	Skive Aviation	Skive	02-Mini	Helium	CC	LiA	■	50	3-4			8
193	Switzerland	Swiss UAV	NEO S-300	02-Mini		CC	RW	●●				75	20
194	Taiwan ROC	Aero Flight Technology Enterprises	Mx-1	04-SR		DP	FW	●		5	400		
195	Taiwan ROC	National Cheng Kung University	Swan	02-Mini		RV	FW	▲●	80(CS)	2		12	
196	Turkey	Kale & Baykar Technologies	Bayraktar	02-Mini	2 x Electric	DP	FW	▲●	110	1	20	5	1,5
197	Turkey	METU - Departement of Aerospace Eng	Mini UAV	02-Mini	Electric	DP	FW	▲●	92	1,5	10	4,5	
198	UK	Fanwing	Fanwing	03-CR	Fanwing	DP, DV	FW	▲●	72	10		40	15
199	UK	GFS Projects	GFS-7	02-Mini	Coanda principal	DP	SRW	▲●				5,45	
200	UK	MagSurvey	Prion	02-Mini	Magnetic survey	CC	FW	■	90			30	
201	UK	SkyShips	C1000	03-CR	Electric	CC	LiA	▲●	55	1		30	7
202	UK	SkyShips	Cirrus 840	03-CR	Electric	CC	LiA	▲●					
203	UK	VTOL Technologies	Aerial Police Dog	03-CR		DP	SRW	?	240	1	100	5	1
204	USA	AC Propulsion	So Long	03-CR	Solar powered	RV	FW	▲●	80	?	8	12,5	?
205	USA	Advanced Hybrid Aircraft	Hornet	06-MRE	4 Engines	DP	LiA	■?	150		1100	3400	1134
206	USA	Advanced Hybrid Aircraft	Wasp	05-MR	2 Engines	DP	LiA	■?			160	34	5
207	USA	Advanced Soaring Systems & NASA	Apex	10-HALE	NM (sailplane)	RV	FW	◆		5		272	
208	USA	AeroCam	23F	02-Mini		DP	RW	■		0,5	2	10	3
209	USA	AeroCam	60F	02-Mini		DP	RW	■		0,3	3	20	10
210	USA	AeroVironment	Centelios	10-HALE	Wingspan: 250 ft	RV	FW	●					
211	USA	AeroVironment	Global Observer	10-HALE	Fuel Cells	RV,DP	FW	●		1 Week		4500	450
212	USA	AeroVironment	Global Observer G0-1	10-HALE	Fuel Cells	RV,DP	FW	●				1800	160
213	USA	AeroVironment	Global Observer G0-2	10-HALE	Fuel Cells	RV,DP	FW	●	200	24	2780	4100	450
214	USA	AeroVironment	Helios	10-HALE		RV	FW	▲‡	51	14		825	100

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HALE	= High Altitude Long Endurance	DV	= Developmental Vehicle	RW	= Rotary Wing	⊗	= Ordered/Entering service
UCAV	= Unmanned Combat Aerial Vehicle	EW	= Electronic Warfare	SRW	= Shrouded Rotary Wing	◆	= Ordered as test/demo system
STRA	= Stratospheric	Ex	= Expendable	LiA	= Lighter than Air	●	= Development continuing
EXO	= Exo stratospheric	FLW	= Flapping Wing	TB	= Tilt Body	‡	= No longer in production/development
		FW	= Fixed Wing	TR	= Tilt Rotor	■	= Developed & market ready

	Country	Producer (s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
215	USA	AeroVironment	Hiline	10-HALE	Wingspan: 50 ft	RV	FW	●	55	48		325	
216	USA	AeroVironment	Hornet	01-Micro		RV	FW	●					
217	USA	AeroVironment	MicroBat	01-Micro		RV	FLW	●					
218	USA	AeroVironment	Pathfinder Plus	10-HALE	Solar	RV	FW	▲†	57,5 (CS)	Weeks		218	11,3
219	USA	AeroVironment	Wasp	01-Micro		RV	FW	●	60	0,6-1,15	2	0,17	0,015
220	USA	Agrarius (& Advanced Ceramics Research)	HawkEye	02-Mini	Agricultural survey	CC	FW	▲	32-105	6	10	13,6	4,536
221	USA	Airscooter	Airscooter E70	01-Micro		CC	RW	■		0,25		14	2,25
222	USA	Airscooter	Airscooter G70	01-Micro		CC	RW	■	92	0,6		14	4,5
223	USA	Airship Surveillance	L15	05-MR?		DP	LiA	●	111	50			453
224	USA	Arcturus	T-15	02-Mini		DP, DV	FW	●	166	12+		20	4,54
225	USA	Arcturus	T-16	02-Mini		DP, DV	FW	●	147	16		29	8
226	USA	Aurora Flight Sciences	Chiron	06-MRE	OPA	RV	FW	◆	344	24		2200	
227	USA	Aurora Flight Sciences	GoldenEye-100	04-SR		DP, DV	SRW	●	296	4		68	9
228	USA	Aurora Flight Sciences	Marsflyer	13-EXO		RV	FW	●	111	2		108	
229	USA	Aurora Flight Sciences	Orion HALL	10-HALE	Hydrogen pwr'd	RV	FW	●	450	100		3174	181
230	USA	Aurora Flight Sciences	Perseus	10-HALE		RV	FW	■	85-128	24	3000	1000	80-150
234	USA	Aurora Flight Sciences	SkyWatch	09-MALE	Turboprop	RV	FW	●		32		4000	450
235	USA	Aurora Flight Sciences	Theseus	10-HALE	2 Engines	RV	FW	◆	530	32+		3580	
236	USA	Autonomous Airborne Systems	HOVTOL	05-MR		DP, DV	FW	●					
237	USA	Boeing	X-48B	03-CR	3 turbojets	RV	FW	▲●	220(CS)			227	
238	USA	Carolina Airships	Guardian 31	04-SR		DP	LiA	●	48	3	22	37,5	6,35
239	USA	Carolina Airships	Guardian 34	04-SR		DP	LiA	●	48	3	22	56	11,3
240	USA	Charles Stark Draper Laboratory	NAV	01-Micro	Nano	RV	RW	●		0,3		0,010	0,002
241	USA	Charles Stark Draper Laboratory	SARD	02-Mini		RV	RW	●		0,3		15,7	
242	USA	CIRPAS	Pelican (Cesna-based)	05-MR	OPA	RV	FW	▲	167 (CS)	24		2086	150
243	USA	Continental Controls and Design	LOCUST MAV	01-Micro	Electric	RV	FW	▲●	62 (CS)		5	0,57	
244	USA	Coptervision	CVG 2002	02-Mini		CC	RW	▲	123	0,5		23	
245	USA	Cyber Defense Systems	Cyberscout	02-Mini		DP	FW	▲	185	1	180	31,5	
246	USA	Dara Aviation	D-1 Heavy Payload	05-MR	Twin Wing	DP	FW	●	126	2	200	35	13
247	USA	Dara Aviation	D-1 Long Mission	06-MRE	Twin Wing	DP	FW	●	146	15	1500	35	4
248	USA	Dara Aviation	D-1 Short Mission	05-MR	Twin Wing	DP	FW	●	120	1,5	100	28,5	4
249	USA	Draganfly (RCToys)	DF-SAVS	02-Mini	Electric	CC	RW	▲					
250	USA	Draganfly (RCToys)	DF-TSU	02-Mini	Electric	CC	RW	▲					
251	USA	Draganfly (RCToys)	DX-PRO	02-Mini	Electric	CC	RW	▲					
252	USA	Draganfly (RCToys)	Tango	02-Mini	Electric	CC	FW	▲	100	1		2,3	1,7
253	USA	Dragonfly Pictures	DP-4X Mule	05-MR		CC, DV	RW	■	170	5	56	95	13,6
254	USA	Dragonfly Pictures	DP-4XT	05-MR		CC, DV	RW	■		9,4		16	
255	USA	Dragonfly Pictures	DP-5	04-SR		CC, DV	RW	■		2,5	170	16	
256	USA	Dragonfly Pictures	DP-5T	03-CR		CC, DV	RW	■		1	80	68	
257	USA	Dragonfly Pictures	DP-5X Wasp	04-SR		CC, DV	RW	◆	219	6	75	322	45
258	USA	Dragonfly Pictures	DP-5XT Gator	05-MR		CC, DV	RW	◆	300	6,5	75	718	97
259	USA	Flight Systems	Tracker UAV	02-Mini	Electric	DP	FW	▲●	98	1,5	16	6,75	0,9
260	USA	General Atomics Aeronautical Systems	Altair	10-HALE		RV	FW	▲	400	30	9580	3266	299 Int
261	USA	General Atomics Aeronautical Systems	Altus	10-HALE		RV	FW	▲	120 (CS)	24+	5500	975	150
262	USA	General Atomics Aeronautical Systems	Ikhana	10-HALE	(Predator B)	RV	FW	▲	400 (CS)	30			900
263	USA	Georgia Tech Research Institute	MarsFlyer	13-EXO		RV	FW	●					
264	USA	Georgia Tech Research Institute	UAV	02-Mini	Fuel Cells	RV	FW	▲●					
265	USA	HEI Group	Blicopter	02-Mini	Fuel cell or gas	CC	LiA	▲●		10			5
266	USA	Insitu	GeoRanger	04-SR		CC	FW	●	130	15		19	7
267	USA	Insitu	SeaScan	04-SR		DP	FW	■	130	15	100	18	6 (incl. fuel)
268	USA	Insitu & Boeing	ScanEagle	04-SR		DP	FW	▲	126	15	100	18	3,2
269	USA	IntelliTech MicroSystems	Vector P	05-MR		RV	FW	▲	185	4	60	34	4,5
270	USA	Iron Bay	XTM	05-MR		DP	FW	▲●					
271	USA	Iron Bay	Fatboy	03-CR	Cargo delivery	RV	RW	▲●					
272	USA	Iron Bay	Knighthawk	05-MR	Front & rear eng	RV	FW	◆					
273	USA	Iron Bay	Sabre	02-Mini	Foam airframe	RV	FW	▲●					
274	USA	ISL Inc. Bosch Aerospace	Lears IV	08-LALE		DP, DV	FW	▲●	203	30	150	54,5	27,3
275	USA	ISL Inc. Bosch Aerospace	SASS LITE	05-MR		DP	LiA	▲●	70	12-24	100	770	225
276	USA	ISL Inc. Bosch Aerospace	WASP	02-Mini	Anhedral wing	DP	Prf	▲●	73	1		10	
277	USA	Kaman Aerospace & Lockheed Martin	K-Max Burro	05-MR	OPA	DP	RW	●	185		150	5443	2721
278	USA	Kuchera Defence	Falcon	02-Mini		DP	RW	◆					
279	USA	L3 - BAI Aerosystems	Javelin	02-Mini		DP	FW	▲	105	2	8	6,8	1,45
280	USA	L3 - Geneva Aerospace	Dakota	05-MR		RV	FW	▲	185	4,5	315	108	36
281	USA	Lew Aerospace Inc	Inventus E	02-Mini		DP	FW	■	157	2	166	2,7	
282	USA	Lew Aerospace Inc	Inventus S-1	03-CR		DP	FW	●	220	30	3700	22,7	22-34
283	USA	Nascent Technology	AHMMH-1 XS	02-Mini		RV	RW	■		3		8	1
284	USA	Naval Research Lab.	AME	03-CR	Testbed	RV	FW	▲●					
285	USA	Naval Research Lab.	Ghost/Dakota	03-CR	Testbed	RV	FW	▲●	185	2		81	
286	USA	Naval Research Lab.	Mares	04-SR		RV	FW	▲●					
287	USA	Naval Research Lab.	NDM-1/2/3	03-CR		RV	FW	▲●					
288	USA	Neany (Titan Aircraft airframe)	Arrow	05-MR	OPA	RV	FW	●	245			450	
289	USA	Neural Robotic Industries	AutoCopter	02-Mini		CC	RW	▲		0,8	37	22,7	6,8
290	USA	Octatron	SkySeer	02-Mini		DP	FW	◆	37	0,75		1,5	
291	USA	Oregon Iron Works	Sea Scout	04-SR	Seaplane	DP, DV	FW	▲●		4		135	
292	USA	Orion Aviation	Model 706 Seabat	05-MR		DP	RW	●				91	
293	USA	Procerus Technology	Unicorne 1	02-Mini	Electric	DP	FW	■	98	2		3,1	
294	USA	Procerus Technology	Unicorne 2	02-Mini	Electric	DP	FW	■	70	1		1,8	
295	USA	Procerus Technology	Unicorne 3	02-Mini	Electric	DP	FW	■	70	1		1,35	

- |      |                                  |      |                                      |      |                               |       |                                       |
|------|----------------------------------|------|--------------------------------------|------|-------------------------------|-------|---------------------------------------|
| CR   | = Close Range                    | AirL | = Air-Launched                       | M    | = Military                    | TW    | = Tilt Wing                           |
| SR   | = Short Range                    | B/C  | = Bacteriological & chemical sensing | NM   | = Not Motorised               | UCAR  | = Unmanned Combat Aerial Rotorcraft   |
| MR   | = Medium Range                   | CC   | = Civil/Commercial                   | OFF  | = Offensive                   | VSTOL | = Very Short Take-Off & Landing       |
| MRE  | = Medium Range Endurance         | CL   | = Container Launched                 | OPA  | = Optionally Piloted Aircraft | VTOL  | = Vertical Take-Off & Landing         |
| LADP | = Low Altitude Deep Penetration  | CRW  | = Canard Rotary Wing                 | Prf  | = Parafoil                    |       |                                       |
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| HALE | = High Altitude Long Endurance   | DV   | = Developmental Vehicle              | RW   | = Rotary Wing                 | ⊕     | = Ordered/Entering service            |
| UCAV | = Unmanned Combat Aerial Vehicle | EW   | = Electronic Warfare                 | SRW  | = Shrouded Rotary Wing        | ◆     | = Ordered as test/demo system         |
| STRA | = Stratospheric                  | Ex   | = Expendable                         | LiA  | = Lighter than Air            | ●     | = Development continuing              |
| EXO  | = Exo stratospheric              | FLW  | = Flapping Wing                      | TB   | = Tilt Body                   | †     | = No longer in production/development |
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296	USA	Raytheon Missile Systems	Cobra	03-CR	COA (2006)	RV	FW	▲●	150	3		45	11
297	USA	Rotomotion	SR 20	02-Mini		CC	RW	▲	50	0,2-0,4	0,8		4,5
298	USA	Rotomotion	SR 100	02-Mini		CC	RW	▲	50	0,45	0,8		8
299	USA	Rotomotion	SR 200	02-Mini		CC	RW	■	80	4	0,8		22,7
300	USA	SAIC	Vigilante 496	05-MR	OPA	DP	RW	●	139	5	278	500	136
301	USA	Scaled Composites	Proteus	10-HALE	OPA	RV	FW	●	500	14		5670	900
302	USA	Tactronix-Tactical Airspace Group (TAG)	TAG-M2600	03-CR		DP, DV	RW	●	200	2		654	250
303	USA	Thorpe Seeop Corp.	P10	?		DP	FW	■					22,68
304	USA	Thorpe Seeop Corp.	P10A	04-SR		DP	FW	■					22,68
305	USA	Thorpe Seeop Corp.	P10B	04-SR		DP	FW	■					22,68-45
306	USA	Thorpe Seeop Corp.	P40	04-SR		DP	FW	■					22,68
307	USA	Thorpe Seeop Corp.	P7108	04-SR	Trainer	DP	FW	■					4,5
308	USA	Thorpe Seeop Corp.	TS1000	04-SR		DP	FW	■					31,75
309	USA	Thorpe Seeop Corp.	TS2000	05-MR		DP	FW	■				550	181
310	USA	Trek Aerospace	DragonFly	?		DP	TR	●	380	3		485	204
311	USA	University of Florida	SUAV	01-Micro		RV	FW	▲	80(CS)	2	5		
312	USA	University of Kansas	Meridian	?		RV	FW	●			13		489
313	USA	Victory Systems	Mini-UAV	01-Micro		DP	FW	●	55	1	9		0,45

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