

UAS Engines

	Country	Producer	Model	Type	Weight	Power (kW) Thrust (kN)	Used on UAS Designation	UAS Producer
01	Austria	Diamond Engines	IAE 50R		30,8	40,4 kW	Camcopter S-100	Schiebel, Austria
02	Austria	Rotax	Rotax 503	two-stroke	33,2	37 kW	SIVA	INTA, Spain
03	Austria	Rotax	Rotax 582	two-stroke	36	48 kW	Gnat 750	GA-ASI, USA
04	Austria	Rotax	Rotax 912 A/F/UL	four-stroke	57,1	58 kW		
05	Austria	Rotax	Rotax 912 S/ULS	four-stroke		73 kW		
06	Austria	Rotax	Rotax 914	four-stroke	71,7	73 kW	SnowGoose Predator A	MMIST, Canada
07	Austria	Rotax	Rotax 914F	four-stroke	64	84,5 kW	Hermes 1500 Herti-1A	GA-ASI, USA Elbit Systems, Israel BAE Systems, UK
08	Australia	Air Affairs Australia	Jet Engine	turbojet				
09	Australia	Jabiru						
10	Canada	Conception GLC	PulsRam	ramjet				
11	Canada	Pratt & Whitney	F100-PW-220U	turbofan	1683	75,6 kN	X-47B	Northrop Grumman, USA
12	Canada	Pratt & Whitney	JT15D-5C	turbofan	302	14 kN	X-47A	Northrop Grumman, USA
13	Canada	Pratt & Whitney	PT6A-67	turboprop	237	895 kW	Eitan	IAI, Israel
14	Canada	Pratt & Whitney	PW200/55	turboprop	110	478 kW	EagleEye	Bell Helicopter, USA
15	Canada	Pratt & Whitney	PW545A	turbofan	374	17 kN		
16	Canada	Pratt & Whitney	PW545B	turbofan			Predator C	
17	Canada	Pratt & Whitney	PW800	turbofan		44,5 - 89 kN		
18	Canada	Pratt & Whitney	PW207D	turboshaft			A160	Boeing, USA
19	China (PR)	BUAA	WP11	turbojet	191	8 kN		
20	China (PR)	China Gas Turbine Est.	CGTE WS 500	turbojet		5 kN		
21	China (PR)	LM	WP6 (modified)	turbojet	725	22-24 kN		
22	China (PR)	NRIST	350F	two-stroke	16,5	18,6 kW	W-50	NRIST, China
23	China (PR)	NRIST	40F	two-stroke	2	2,2 kW	I-Z	NRIST, China
24	China (PR)	Xian	H3H	two-stroke	10,5	20,5 kW		
25	China (PR)	Xian	HS-350	two-stroke	13,5	14,9 kW		
26	China (PR)	Xian	HS-510G	two-stroke	18	27 kW	ASN-104, ASN105B	Xi'An ASN, China
27	China (PR)	Xian	HS-700	two-stroke	24	38 kW		
28	China (PR)	Yuhe	YH-280	two-stroke		11 kW		
29	China (PR)	Yuhe	YH-350	two-stroke	14	14,7 kW		
30	Czech Rep.	Model Motors	AXI series	electr. (brushless)				
31	Czech Rep.	PBS Velka Bites	TJ 100A	turbojet	20,6	1 kN		
32	Czech Rep.	ZDZ Modelmotor	ZDZ 40ER series	two-stroke				
33	France	Microturbo	TRI 60-5	turbojet	65	4,4 kN	Sky-X	Alenia Aeronautica, Italy
34	France	Microturbo	TRS 18-1	turbojet	18	1,6 kN	Mirach 100/5	Selex Galileo, Italy
35	France	Microturbo	TR-3	turbojet	3	0,33 - 6 kN		for Decoys and Targets
36	France	Roxel	booster rockets series	booster	13-33			
37	Germany	3W Modelmotoren	3W-24i	two-stroke	1,34	1,75 kW		
38	Germany	3W Modelmotoren	3W-42i	two-stroke	1,85	3 kW	MAV	Honeywell, USA
39	Germany	3W Modelmotoren	3W-684i	two-stroke	16	44 kW		
40	Germany	Gobler-Hirth Motoren	2700 series	two-stroke	31	29,4 kW		
41	Germany	Gobler-Hirth Motoren	3202, 3203, 3502, 3503 , 3701	two-stroke				
42	Germany	Gobler-Hirth Motoren	3503 HF	heavy fuel	30	45 kW		
43	Germany	Gobler-Hirth Motoren	4101	two-stroke	2,9	4 kW		
44	Germany	Gobler-Hirth Motoren	4102	two-stroke	2,5	6 kW		
45	Germany	Gobler-Hirth Motoren	65 cc	heavy fuel	5,9	4 kW		
46	Germany	Gobler-Hirth Motoren	F 23	two-stroke	24	29 kW		
47	Germany	Gobler-Hirth Motoren	F 30	two-stroke	42	75 kW		
48	Germany	Gobler-Hirth Motoren	F 31	two-stroke	26,5	31,5 kW	Ranger	RUAG Aerospace, Switzerl.
49	Germany	Gobler-Hirth Motoren	F 33	two-stroke	12,7	29 kW	Inspektor	SIS, Ukraine
50	Germany	Gobler-Hirth Motoren	F 36	two-stroke	9,4	11 kW		
51	Germany	Gobler-Hirth Motoren	F 41	two-stroke	2,6	8,9 kW		
52	Germany	Gobler-Hirth Motoren	H 30	two-stroke	42	75 kW		
53	Germany	Gobler-Hirth Motoren	H 32	two-stroke	31	47,8 kW		
54	Germany	Gobler-Hirth Motoren	H 37	two-stroke	45	66,6 kW		
55	Germany	Gobler-Hirth Motoren	S 1200	heavy fuel	4,5	10 kW		
56	Germany	Gobler-Hirth Motoren	S 1204	heavy fuel	22	32 kW		
57	Germany	JetCat	P160 SE	turbojet	1,3	1,63 kN		
58	Germany	JetCat	P200	turbojet	2,3	0,22 kN		
59	Germany	Limbach Flugmotoren	L 2000 EB, L 2400 EB	four-stroke	76,5/82	59 kW		
60	Germany	Limbach Flugmotoren	L 2400	four-stroke	86	96 kW		
61	Germany	Limbach Flugmotoren	L 2400 DFI/EFI	four-stroke	76	74 kW		
62	Germany	Limbach Flugmotoren	L 2400 DT/ET	four-stroke	86	96 kW		
63	Germany	Limbach Flugmotoren	L 275 E	two-stroke	7,7	18 kW		
64	Germany	Limbach Flugmotoren	L 550 E	two-stroke	16	37 kW	Seeker II	Denel Aero., S. Africa
65	Germany	Rolls-Royce Deutschland	T117	turbojet	24,2	1 kN		
66	Germany	Schrick	SR350i			32 kW		
67	Germany	Thielert Aircraft Engines	Centurion 1.7	four-strokes	134	99 kW	VSR-700 Orka Opale Sky Warrior	Vertivision, France EADS, France Rheinmetall DE GA-ASI, USA
68	Germany	Thielert Aircraft Engines	Centurion 2.0	four-strokes	149,8	99 kW		
69	Germany	Thielert Aircraft Engines	Centurion 4.0	four-strokes	275	257 kW		
70	India	HAL	PTAE 7	turbojet	65	3,7 kN		
71	Iran	AIO	Tolloue 4	turbojet	54,7	3,63 kN		
72	Iran	AIO	Tolloue 5	turbojet		4,4 kN		
73	Israel	Bental Motion Systems	B-013	electr. (brushless)	0,056	60 W	Mosquito	IAI, Israel
74	Israel	Bental Motion Systems	B-020	elec. (brushless)	0,460			
75	Israel	Bental Motion Systems	B-047-17	electric	1,4			
76	Israel	Bental Motion Systems	unnamed	Hybrid	0,450	1,3 kW		
77	Israel	IMI	Harpy booster	booster	7,3	8 kN		
78	Italy	Zanzoretta Technologies	998			60 kW		
79	Italy	Zanzoretta Technologies	498ia	two-stroke	18,6	29 kW	Aerostar Vulture	Aeronautics, Israel ATE, South Africa
80	Japan	Mitsubishi	TJM-3	turbojet	46,5	1,96 kN		
81	Japan	Sophia	J-850	turbojet				
82	Japan	Yamaha Motors	L 50	two-stroke		15,4 kW	RMAX	Yamaha Motors, Japan
83	Netherlands	AMT Netherlands	Olympus HP	turbojet				
84	Netherlands	AMT Netherlands	Titan	turbojet	4,57	0,393 kN		
85	Russian Fed.	ENICS	K and M series	pulsejet				

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86	Russian Fed	Granit	MD 120	turbojet	35	1,18 kN		
87	Russian Fed	Klimov	TR3-117	turbojet		6,28 kN	Tu-143 Reis Tu-243 Reis-D	Tupolev, Russia Tupolev, Russia
88	Russian Fed	Samara	P-032 and P-037	two-stroke	13	26 kW		
89	Russian Fed	Soyuz	R11F2S-300	turbojet	1 126	38,24 kN		
90	Russian Fed	Soyuz	R-9A-300	turbojet		19,6 kN	Tu-141Strizh	Tupolev, Russia
91	South Africa	Baird Micro Turbines	BMT 120-KS	turbojet	1,4	0,150 kN		
92	Spain	Artes Jet	AJ-307	turbojet	5,5	0,344 kN		
93	Spain	Artes Jet	JG-100	turbojet	1,26	0,15 kN		
94	Taiwan	Thunder Tiger	P-15	turbojet	1,8	0,5 kN		
95	Turkey	Turkish Engines Ind & Turkish Aerospace	TEI-TP-1X	turboprop			Turna	Turkish Aerospace Ind.
96	UAE	Adv. Target Systems	AD 1000	two-stroke		79 kW		
97	UAE	Adv. Target Systems	AD 500	two-stroke		26 kW		
98	UAE	Adv. Target Systems	ME998	two-stroke		104 kW		
99	UAE	AES	AE 626	two-stroke	17	33,6 kW		
100	UK	ATG	MT700 Sampson	four-stroke	25	37 kW		
101	UK	Lucas	CT 3201	turbojet	18,6	0,5 kN		
102	UK	Cosworth	Phase 1 UE-UAV	heavy fuel			Tier II UAV Crecerelle	US Navy, USA Sagem, France
103	UK	Meggitt Defense Sys.	MDS 342 Hurricane	two-stroke	7,5	18,6 kW	Ababil	Iran Aircraft Manufact.
104	UK	Meggitt Defense Sys.	MDS 520 Tempest	two-stroke	14,7	37 kW		
105	UK	Meggitt Defense Sys.	MDS Whirlwind	rotary	13,7	37 kW		
106	UK	Meggitt Defense Sys.	P100 and WAE 170	two-stroke				
107	UK	Powerplant Developments	Gemini 100	two-stroke	75			
108	UK	QinetiQ	Microjet	jet	0,2			
109	UK	RCV Engines	25cc	four-stroke				
110	UK	RCV Engines	35cc	four-stroke		2,54 kW		
111	UK	Rolls-Royce	Adour 951	turbofan	610	28,9 kN	Taranis	BAE Systems, UK
112	USA	Rolls-Royce	AE3007H	turbofan	746	42 kN	Global Hawk	Northrop Grumman, USA
113	UK	Rolls-Royce	Model 250	turboprop			Mantis	BAE Systems, UK
114	USA	Rolls-Royce	250-C20B	turboshaft	71,7	313 kW	EagleEye FireScout	Bell Helicopter, USA Northrop Grumman, USA
115	USA	Rolls-Royce	F137-AD-100	turbojet	717	36,9 kW		
116	UK	Rolls-Royce	Viper 11 Mk 200	turbojet	284	11 kN		
117	UK	UEL	AR 612	rotary	39	89 kW		
118	UK	UEL	AR 682	rotary	51	55 kW	Searcher II	IAI-Malat, Israel
119	UK	UEL	AR 682R	rotary	56,5	67 kW		
120	UK	UEL	AR 731	rotary	9,9	28 kW	Harpy, Shadow 400	IAI-Malat, Israel AAI Corp, USA
121	UK	UEL	AR 741	rotary	10,7	28 kW	Sojka III Nearchos Shadow 200	VTUL a PVO, CzechRep. EADS -3 Sigma, Greece AAI Corp, USA
122	UK	UEL	AR 761	rotary	19,2			
123	UK	UEL	AR 801	rotary	24,4	46 kW		
124	UK	UEL	AR 801R	rotary	29,5	39 kW	Nishant Vantage	ADE Bangalore, India CybAero, Sweden
125	UK	UEL	AR902(W)	rotary	40	49 kW	Hermes 450	Elbit Systems, Israel
126	UK	UEL	R 2000					
127	UK	UTSL	UTS 320	two-stroke	10,5	18,6 kW		
128	UK	Wilksch	WAM-120	two-stroke	127,2	89 kW		
129	UK	Wilksch	WAM-160	two-stroke	153	119 kW		
130	USA	AAI Corp	AHF-12	rotary	13,6	16,4 kW		
131	USA	AAI Corp	LHF-18T	rotary	33,6	37 kW		
132	USA	Agilis Engineering	TF1000	turbofan	129,3	4,45 kN		
133	USA	Agilis Engineering	TJ400	turbojet	61,7	1,8 kN		
134	USA	Agilis Engineering	TJ60/75/80	turbojet				
135	USA	Alturair	A650	rotary	66	74,6 kW		
136	USA	Alturdyne	T62 derivatives	turboprop	56	186 kW		
137	USA	DeltaHawk Engines	DH160V4	four-stroke	147	120 kW		
138	USA	DeltaHawk Engines	DH200V4	four-stroke	147	149 kW		
139	USA	Desert Aircraft	DA-100	two-stroke	2,63	7,3 kW		
140	USA	Desert Aircraft	DA-150	two-stroke	3,6	12,3 kW	Brumby Kingfisher Cobra	BAE Systems, UK BAE Systems, UK Raytheon, USA
141	USA	Desert Aircraft	DA-50-R	two-stroke	1,4	3,7 kW		
142	USA	D-Star Engineering	0,025 HP	two-stroke		20 W		
143	USA	D-Star Engineering	0,1 HP	two-stroke		75 W		
144	USA	D-Star Engineering	1,5 HP	four-stroke		1 kW		
145	USA	D-Star Engineering	3 HP	two-stroke		2,2 kW		
146	USA	D-Star Engineering	6,6 HP	heavy fuel		4,9 kW		
147	USA	Florida Turbine Techno.	FTA30	turbofan		0,164 kN		
148	USA	Hamilton Sundstrand	TJ-50	turbofan	6,3	0,25 kN	MALD	Northrop Grumman, USA
149	USA	Hamilton Sundstrand	TJ-30, TJ-90/120, TJ-150	turbojet				
150	USA	Herbrandson	433	two-stroke	13,9	28,3 KW		
151	USA	Herbrandson	580	two-stroke	16,5	27 kW		
152	USA	Herbrandson	Dyad 290	two-stroke	7,7	19 kW		
153	USA	Herbrandson	Dyad 290B	two-stroke	10,2	19 kW		
154	USA	Herbrandson	Dyad 370	two-stroke	9,7	23,9 kW		
155	USA	Honeywell	TPE 331-10T	turboprop		708 kW	Predator B Altair Mariner K-Max Burro	GA-ASI, USA GA-ASI, USA GA-ASI, USA Kaman Aerospace, USA
156	USA	Honeywell	T5317A-1	turboshaft	248	1119 kW		
157	USA	Locust	L series	turbojet				
158	USA	M-Dot	Midge	turbojet	0,085			
159	USA	M-Dot	TPR 80-1	turboprop	16,3	70,8 kW		
160	USA	NSWC	JATOS	booster				
161	USA	Quadra-Aerrow	A150B	two-stroke	4,3	12 kW		
162	USA	Quadra-Aerrow	A200B	two-stroke	5,1	15 kW		
163	USA	Quadra-Aerrow	A200RSS	two-stroke	4,8	20 kW		
164	USA	Quadra-Aerrow	A400S	two-stroke	18,1	28 kW		
165	USA	Quadra-Aerrow	Q1000B	two-stroke	2,7	7 kW		
166	USA	Quadra-Aerrow	Q400		2,06			
167	USA	Quadra-Aerrow	Q52 M & B		2,3			
168	USA	Quadra-Aerrow	Q65 M		2,4			
169	USA	RPI	Model 2013R	rotary				
170	USA	SwRI	HFE			18, kW		
171	USA	Technical Directions Inc.	TDI-J45	turbojet	3,5	0,133	LOCAAS	Lockheed Martin, USA
172	USA	Technical Directions Inc.	TDI-J5	turbojet	3,5	0,245		

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173	USA	Technical Directions Inc.	TDI-J7	turbojet	7,4	0,445 kN		
174	USA	Teledyne Continental	F408-CA-400	turbofan	65	4,48 kW	Eagle ARV	CTRM, Malaysia
175	USA	Teledyne Continental	IO-240-B7B	four-stroke	92	92 kW		
176	USA	Teledyne Continental	J402-CA-702	turbojet	62,6	4,2 kN		
177	USA	Teledyne Continental	J69-T-41B	turbojet	158	8,54 kN	ITALD	IMI Israel
178	USA	Teledyne Continental	J700-CA-400	turbojet	17	0,79 kN		
179	USA	Textron Lycoming	O-320	four-stroke	120	119 kW	Inventeus E	Lew Aerospace, USA
180	USA	ThinGap	TG 2300	electric (brushless)	1	0,266 kW		
181	USA	UPCO	booster rockets series	booster			X-36	Boeing, USA
182	USA	Williams International	F129	turbofan				
183	USA	Williams International	FJ22/F112	turbofan			Proteus Polecat	Scaled Composites, USA Lockheed Martin, USA
184	USA	Williams International	FJ44-1A	turbofan	205	8,45 kN		
185	USA	Williams International	FJ44-2A	turbofan	231	10,23 kN	Proteus Polecat	Scaled Composites, USA Lockheed Martin, USA
186	USA	Williams International	FJ44-3E	turbofan		13,34 kN		
187	USA	Williams International	WR24/J400	turbojet	13,6	0,54 kN		
188	USA	Williams International	WR34/WTS34	turboshaft				
189	USA	Williams International	WTS117	turboprop	32,7	93,2 kW		
190	USA	Xcelero	unnamed	tubofan				
191	USA	XRDi	unnamed	heavy fuel			KB4	Swift Engineering