



Swiss Confederation

**Emission surcharge on landing charges - Emission Value for turboshaft and piston engines**  
**Emissionabhängige Landegebühren - Emissionswerte der Wellen- und Kolben-Triebwerke**  
**Taxes d'atterrissage basées sur les émissions gazeuses - Valeurs d'émission des turbomoteurs**

**Piston Engines**

Code	Manufacturer	Engine	Power [hp]	Remarks	Engine Emission Value
PF14	Austro Engine	AE300	170	FOCA data	0.1
PF15	Teledyne/Continental	CD-300	300	FOCA data	0.1
PF13	Thielert Aircraft Engines	Centurion 4.0	310	FOCA data	0.2
E001	diverse	Electric Engine			0
P111	Textron Lycoming	IO-320-DIAD	160		0.2
PF03	Textron Lycoming	IO-360-A1B6	200	FOCA data	0.2
P112	Textron Lycoming	IO-360-B	180	Replaced by PF03	0.2
PF12	Textron Lycoming	IO-540-T4A5D	260	FOCA data	0.4
PF01	Teledyne/Continental	IO-550-B	300	FOCA data	0.4
P011	Teledyne/Continental	O-200	100		0.2
P012	Textron Lycoming	O-320	150	Replaced by PF08	0.2
PF08	Textron Lycoming	O-320-E2A	150	FOCA data	0.2
PF02	Textron Lycoming	O-360-A3A	180	FOCA data	0.2
PF11	Textron Lycoming	O-540-J3C5D	235	FOCA data	0.4
P004	diverse	Prop>500hp	1200	piston over 500 PS	0.5
P001	diverse	Prop-200hp	150	piston up to 200 PS	0.2
P002	diverse	Prop-300hp	225	piston 201-300 PS	0.4
P003	diverse	Prop-500hp	350	piston 301-500 PS	0.4
PF09	Rotax	Rotax 582 DCDI	64	FOCA data	0.2
PF06	Rotax	Rotax 912	80	FOCA data	0.1
PF05	Rotax	Rotax 912S	100	FOCA data	0.1
PF04	Rotax	Rotax 914	114	FOCA data	0.1
PF16	Rotax	Rotax 915iS	104	FOCA data	0.1
PF10	Thielert Aircraft Engines	TAE-125-01	135	FOCA data	0.1
P121	Textron Lycoming	TIO-540-J2B2	350		0.4
P131	Teledyne/Continental	TSIO-360C	225		0.4
PF07	Teledyne/Continental	TSIO-520-WB	325	FOCA data	0.4

**Helicopter Engines**

Code	Manufacturer	Engine	Power [shp]	Remarks	Engine Emission Value
HP71	diverse	6V-335	210	FOCA data	0.2
H190	Turbomeca	ARRANO 1A	1219	FOCA data	0.7
H101	Turbomeca	ARRIEL 1A	641	FOCA data	0.2
H102	Turbomeca	ARRIEL 1B	641	FOCA data	0.2
H103	Turbomeca	ARRIEL 1C	660	FOCA data	0.2
H104	Turbomeca	ARRIEL 1C1	700	FOCA data	0.2
H105	Turbomeca	ARRIEL 1C2	763	FOCA data	0.2
H106	Turbomeca	ARRIEL 1D1	732	FOCA data	0.2
H107	Turbomeca	ARRIEL 1D1	712	FOCA data	0.2
H108	Turbomeca	ARRIEL 1E1	738	FOCA data	0.2
H109	Turbomeca	ARRIEL 1E2	738	FOCA data	0.2
H110	Turbomeca	ARRIEL 2B	848	FOCA data	0.2
H111	Turbomeca	ARRIEL 2C	839	FOCA data	0.2
H112	Turbomeca	ARRIEL 2C2	944	FOCA data	0.2
H113	Turbomeca	ARRIEL 2D	952	FOCA data	0.2
H114	Turbomeca	ARRIEL 2S1	856	FOCA data	0.2
H115	Turbomeca	ARRIEL 2S2	897	FOCA data	0.2
H121	Turbomeca	ARRIUS 1A	480	FOCA data	0.2
H122	Turbomeca	ARRIUS 2B1	633	FOCA data	0.2

H123	Turbomeca	ARRIUS 2F	432	FOCA data	0.2
H124	Turbomeca	ARRIUS 2K	670	FOCA data	0.2
H126	Turbomeca	ARRIUS 2R	505	FOCA data	0.2
H131	Turbomeca	ARTOUSTE IIC	402	FOCA data	0.2
H132	Turbomeca	ARTOUSTE IIIB	563	FOCA data	0.2
H133	Turbomeca	ARTOUSTE IIIB	563	FOCA data	0.2
H141	Turbomeca	Astazou III	644	FOCA data	0.2
H142	Turbomeca	ASTAZOU XI	590	FOCA data	0.2
H504	General Electric	CT7-2E1	1625	FOCA data	0.7
H201	Rolls Royce	DDA250-C18	317	FOCA data	0.2
H202	Rolls Royce	DDA250-C20	420	FOCA data	0.2
H203	Rolls Royce	DDA250-C20	420	FOCA data	0.2
H204	Rolls Royce	DDA250-C20R	450	FOCA data	0.2
H205	Rolls Royce	DDA250-C20R	450	FOCA data	0.2
H206	Rolls Royce	DDA250-C30	650	FOCA data	0.2
H207	Rolls Royce	DDA250-C30	650	FOCA data	0.2
H208	Rolls Royce	DDA250-C40	715	FOCA data	0.2
H506	General Electric	GE CT7-8A	2740	FOCA data	0.7
H505	General Electric	GE-CT7-6	1920	FOCA data	0.7
H211	Rolls Royce	GEM 42-1	1120	FOCA data	0.7
H231	Rolls Royce	GNOME H-1200	1350	FOCA data	0.7
H001	diverse	H < 1000SHP	848	FOCA data	0.2
H002	diverse	H > 1000SHP	1800	FOCA data	0.7
H003	diverse	H > 1000SHP	1877	FOCA data	0.7
HP42	Textron Lycoming	HIO-360	200	FOCA data	0.2
HP44	Textron Lycoming	HIO-540	260	FOCA data	0.4
HP40	Textron Lycoming	HO-320	150	FOCA data	0.2
HP41	Textron Lycoming	HO-360	180	FOCA data	0.2
HP43	Textron Lycoming	HO-540	235	FOCA data	0.4
H307	Honeywell	HTS900-2	761	FOCA data	0.2
H401	diverse	ISOTOW GTD-350	400	FOCA data	0.2
H701	Ivchenko	LO D-136	11400	FOCA data	9.8
H302	Honeywell	LTS-101-700D2	742	FOCA data	0.2
H301	Honeywell	LTS101-750B.1	735	FOCA data	0.2
HF30	Turbomeca	Makila 1A1	1800	FOCA data	0.7
H151	Turbomeca	MTR 390	1450	FOCA data	0.7
H171	Turbomeca	Palouste IV	240	FOCA data	0.2
H010	Pratt & Whitney	PT6B-35H	675	FOCA data	0.2
H011	Pratt & Whitney	PT6B-36A	981	FOCA data	0.2
H012	Pratt & Whitney	PT6B-36B	981	FOCA data	0.2
H013	Pratt & Whitney	PT6B-37	900	FOCA data	0.2
H045	Pratt & Whitney	PT6C-67C	1676	FOCA data	0.7
H014	Pratt & Whitney	PT6T-3	900	FOCA data	0.2
H015	Pratt & Whitney	PT6T-3B	900	FOCA data	0.2
H016	Pratt & Whitney	PT6T-3BE	900	FOCA data	0.2
H017	Pratt & Whitney	PT6T-3D	900	FOCA data	0.2
H018	Pratt & Whitney	PT6T-6	938	FOCA data	0.2
H019	Pratt & Whitney	PW206A	621	FOCA data	0.2
H020	Pratt & Whitney	PW206B	414	FOCA data	0.2
H021	Pratt & Whitney	PW206C	550	FOCA data	0.2
H022	Pratt & Whitney	PW206D	550	FOCA data	0.2
H023	Pratt & Whitney	PW206E	621	FOCA data	0.2
H024	Pratt & Whitney	PW206E	621	FOCA data	0.2
H030	Pratt & Whitney	PW207C	650	FOCA data	0.2
H031	Pratt & Whitney	PW207D	572	FOCA data	0.2
H032	Pratt & Whitney	PW207E	429	FOCA data	0.2
H040	Pratt & Whitney	PW210A	1010	FOCA data	0.7
H801	diverse	PZL-10W	880	FOCA data	0.2
HP50	Rotax	Rotax 582 DCDI Heli	64	FOCA data	0.2
HP81	Rotax	Rotax 582 DCDI Heli	64	FOCA data	0.2
HP51	Rotax	Rotax 912S Heli	100	FOCA data	0.1
HP82	Rotax	Rotax 912S Heli	100	FOCA data	0.2
H221	Rolls Royce	RR 250-C47M	808	FOCA data	0.2
HP62	Rolls Royce	RR RW-133	133	FOCA data	0.2
HP61	Rolls Royce	RR RW-152/D	160	FOCA data	0.2
H222	Rolls Royce	RR T63-A-720	420	FOCA data	0.2
H303	Honeywell	T53 17A-1	1500	FOCA data	0.7
H304	Honeywell	T53-09A	1100	FOCA data	0.7

H305	Honeywell	T55-GA-714A	4800	FOCA data	0.7
H901	diverse	T62T	130	FOCA data	0.2
H502	General Electric	T64-GE-416	4380	FOCA data	0.7
H501	General Electric	T64-GE-7	3925	FOCA data	0.7
H503	General Electric	T700-GE-401	1800	FOCA data	0.7
H161	Turbomeca	TM 333-2B2	1219	FOCA data	0.7
H181	Turbomeca	Turmo IV	1261	FOCA data	0.7
H402	diverse	TV2-117 (two engines)	1500	FOCA data	0.7
H403	diverse	TV3-117 VMA (two eng	2200	FOCA data	0.7

### Turboprop Engines

Code	Manufacturer	Engine	Power [shp]	Remarks	Engine Emission Value
T401	Allison	501 D13	3750	FOI/FOCA data	0.6
T150	Allison	501 D22A	4508	FOI/FOCA data	1.1
T201	Allison	AE2100A	3738	FOI/FOCA data	0.8
T600	Ivchenko	AI-24VT	2820	FOI/FOCA data	0.1
T051	General Electric	CT7-5A2	1735	FOI/FOCA data	0.4
T053	General Electric	CT7-9B	1750	FOI/FOCA data	0.4
T701	Pratt & Whitney	PT6A-11	500	FOI/FOCA data	0.1
T702	Pratt & Whitney	PT6A-110	475	FOI/FOCA data	0.1
T703	Pratt & Whitney	PT6A-112	500	FOI/FOCA data	0.1
T704	Pratt & Whitney	PT6A-114	680	FOI/FOCA data	0.1
T705	Pratt & Whitney	PT6A-114A	675	FOI/FOCA data	0.1
T708	Pratt & Whitney	PT6A-121	615	FOI/FOCA data	0.1
T710	Pratt & Whitney	PT6A-135A	750	FOI/FOCA data	0.1
T764	Pratt & Whitney	PT6A-140	1075	FOI/FOCA data	0.3
T712	Pratt & Whitney	PT6A-15AG	680	FOI/FOCA data	0.1
T714	Pratt & Whitney	PT6A-20	550	FOI/FOCA data	0.1
T716	Pratt & Whitney	PT6A-21	550	FOI/FOCA data	0.1
T717	Pratt & Whitney	PT6A-25A	550	FOI/FOCA data	0.1
T718	Pratt & Whitney	PT6A-25C	750	FOI/FOCA data	0.2
T011	Pratt & Whitney	PT6A-27	680	FOI/FOCA data	0.1
T012	Pratt & Whitney	PT6A-28	680	FOI/FOCA data	0.2
T720	Pratt & Whitney	PT6A-34	750	FOI/FOCA data	0.1
T722	Pratt & Whitney	PT6A-38	750	FOI/FOCA data	0.1
T724	Pratt & Whitney	PT6A-40	700	FOI/FOCA data	0.1
T726	Pratt & Whitney	PT6A-41	850	FOI/FOCA data	0.2
T728	Pratt & Whitney	PT6A-42	850	FOI/FOCA data	0.2
T730	Pratt & Whitney	PT6A-45A	1119	FOI/FOCA data	0.2
T731	Pratt & Whitney	PT6A-45AG	1141	FOI/FOCA data	0.2
T732	Pratt & Whitney	PT6A-45B	1141	FOI/FOCA data	0.2
T733	Pratt & Whitney	PT6A-45R	1197	FOI/FOCA data	0.2
T735	Pratt & Whitney	PT6A-50PT6A-50	1120	FOI/FOCA data	0.2
T736	Pratt & Whitney	PT6A-52	850	FOI/FOCA data	0.2
T737	Pratt & Whitney	PT6A-60	1050	FOI/FOCA data	0.2
T738	Pratt & Whitney	PT6A-60A	1050	FOI/FOCA data	0.2
T739	Pratt & Whitney	PT6A-60AG	1050	FOI/FOCA data	0.2
T741	Pratt & Whitney	PT6A-61	849	FOI/FOCA data	0.1
T743	Pratt & Whitney	PT6A-62	950	FOI/FOCA data	0.2
T745	Pratt & Whitney	PT6A-64	700	FOI/FOCA data	0.1
T747	Pratt & Whitney	PT6A-65AG	1300	FOI/FOCA data	0.2
T748	Pratt & Whitney	PT6A-65AR	1424	FOI/FOCA data	0.2
T749	Pratt & Whitney	PT6A-65B	1100	FOI/FOCA data	0.2
T750	Pratt & Whitney	PT6A-65R	1376	FOI/FOCA data	0.2
T752	Pratt & Whitney	PT6A-66	850	FOI/FOCA data	0.1
T754	Pratt & Whitney	PT6A-67	1200	FOI/FOCA data	0.2
T755	Pratt & Whitney	PT6A-67A	1200	FOI/FOCA data	0.2
T756	Pratt & Whitney	PT6A-67AF	1424	FOI/FOCA data	0.2
T757	Pratt & Whitney	PT6A-67AG	1350	FOI/FOCA data	0.2
T758	Pratt & Whitney	PT6A-67B	1200	FOI/FOCA data	0.2
T759	Pratt & Whitney	PT6A-67CF	1650	FOI/FOCA data	0.3
T760	Pratt & Whitney	PT6A-67D	1278	FOI/FOCA data	0.2
T761	Pratt & Whitney	PT6A-67R	1424	FOI/FOCA data	0.2
T763	Pratt & Whitney	PT6A-68	1100	FOI/FOCA data	0.2

T765	Pratt & Whitney	PW118	1800	FOI/FOCA data	0.5
T766	Pratt & Whitney	PW118A	1800	FOI/FOCA data	0.6
T767	Pratt & Whitney	PW118B	1800	FOI/FOCA data	0.6
T769	Pratt & Whitney	PW119B	2180	FOI/FOCA data	0.8
T770	Pratt & Whitney	PW119C	2180	FOI/FOCA data	0.8
T031	Pratt & Whitney	PW120	2000	FOI/FOCA data	0.8
T032	Pratt & Whitney	PW120A	2000	FOI/FOCA data	0.8
T775	Pratt & Whitney	PW121	2150	FOI/FOCA data	0.6
T776	Pratt & Whitney	PW121A	2200	FOI/FOCA data	0.7
T778	Pratt & Whitney	PW123	2380	FOI/FOCA data	0.8
T779	Pratt & Whitney	PW123B	2500	FOI/FOCA data	0.8
T780	Pratt & Whitney	PW123C	2150	FOI/FOCA data	0.8
T781	Pratt & Whitney	PW123D	2150	FOI/FOCA data	0.8
T782	Pratt & Whitney	PW123E	2380	FOI/FOCA data	0.8
T034	Pratt & Whitney	PW124B	2400	FOI/FOCA data	1.2
T033	Pratt & Whitney	PW125B	2500	FOI/FOCA data	1.1
T788	Pratt & Whitney	PW126A	2662	FOI/FOCA data	0.9
T790	Pratt & Whitney	PW127	2750	FOI/FOCA data	0.9
T791	Pratt & Whitney	PW127B	2750	FOI/FOCA data	0.9
T792	Pratt & Whitney	PW127C	2750	FOI/FOCA data	0.9
T793	Pratt & Whitney	PW127D	2750	FOI/FOCA data	0.9
T794	Pratt & Whitney	PW127E	2400	FOI/FOCA data	0.9
T795	Pratt & Whitney	PW127F	2750	FOI/FOCA data	0.9
T796	Pratt & Whitney	PW127G	2920	FOI/FOCA data	1.0
T798	Pratt & Whitney	PW150A	5071	FOI/FOCA data	1.6
T800	Rolls Royce	RR DART 514	2140	FOI/FOCA data	0.1
T111	Rolls Royce	RR DART 514-7	2048	FOI/FOCA data	0.2
T113	Rolls Royce	RR DART 528-7E	2048	FOI/FOCA data	0.2
T114	Rolls Royce	RR DART 535-7R	2048	FOI/FOCA data	0.2
T120	Rolls Royce	RR DART 542-4	3060	FOI/FOCA data	0.3
T802	Rolls Royce	RR DART 552	2140	FOI/FOCA data	0.1
T125	Rolls Royce	RR DART 552-7R	2048	FOI/FOCA data	0.2
T102	Rolls Royce	RR DART RDa10	3060	FOI/FOCA data	0.3
T101	Rolls Royce	RR DART RDa7	2048	FOI/FOCA data	0.2
T404	Allison	T56-A-14	4508	FOI/FOCA data	0.7
T405	Allison	T56-A-15	4908	FOI/FOCA data	0.7
T002	diverse	TP>1000hp	1735	FOI/FOCA data	0.3
T001	diverse	TP-1000hp	680	FOI/FOCA data	0.1
T500	diverse	TP400-D6	11000	FOI/FOCA data	2.4
T300	AlliedSignal/Garrett	TPE331-1	705	FOI/FOCA data	0.1
T301	AlliedSignal/Garrett	TPE331-10A	984	FOI/FOCA data	0.2
T302	AlliedSignal/Garrett	TPE331-10G	984	FOI/FOCA data	0.2
T303	AlliedSignal/Garrett	TPE331-10GT	984	FOI/FOCA data	0.2
T304	AlliedSignal/Garrett	TPE331-10N	984	FOI/FOCA data	0.2
T305	AlliedSignal/Garrett	TPE331-10R	984	FOI/FOCA data	0.2
T306	AlliedSignal/Garrett	TPE331-10U	984	FOI/FOCA data	0.2
T307	AlliedSignal/Garrett	TPE331-10UA	904	FOI/FOCA data	0.2
T308	AlliedSignal/Garrett	TPE331-10UG	984	FOI/FOCA data	0.2
T309	AlliedSignal/Garrett	TPE331-10UK	1045	FOI/FOCA data	0.2
T310	AlliedSignal/Garrett	TPE331-11U-601G	1000	FOI/FOCA data	0.2
T312	AlliedSignal/Garrett	TPE331-12B	1151	FOI/FOCA data	0.3
T314	AlliedSignal/Garrett	TPE331-12UA	1151	FOI/FOCA data	0.3
T315	AlliedSignal/Garrett	TPE331-12UHR	1151	FOI/FOCA data	0.3
T317	AlliedSignal/Garrett	TPE331-14B	1312	FOI/FOCA data	0.3
T318	AlliedSignal/Garrett	TPE331-14GR	1723	FOI/FOCA data	0.3
T320	AlliedSignal/Garrett	TPE331-15AW	1712	FOI/FOCA data	0.3
T322	AlliedSignal/Garrett	TPE331-1UA	705	FOI/FOCA data	0.1
T070	AlliedSignal/Garrett	TPE331-2	715	FOI/FOCA data	0.2
T323	AlliedSignal/Garrett	TPE331-2UA	755	FOI/FOCA data	0.2
T071	AlliedSignal/Garrett	TPE331-3	840	FOI/FOCA data	0.2
T324	AlliedSignal/Garrett	TPE331-3U	904	FOI/FOCA data	0.2
T325	AlliedSignal/Garrett	TPE331-3W	904	FOI/FOCA data	0.2
T326	AlliedSignal/Garrett	TPE331-5A	834	FOI/FOCA data	0.2
T327	AlliedSignal/Garrett	TPE331-5B	834	FOI/FOCA data	0.2
T328	AlliedSignal/Garrett	TPE331-6	808	FOI/FOCA data	0.2
T999	diverse	Turboprop diverse larg	2000	FOI/FOCA data	0.8
T140	Rolls Royce	TYNE	5400	FOI/FOCA data	0.9