



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	Turbodiesel, data based on PF10	0.1
PF13	Thielert Aircraft Engines	Centurion 4.0	310	Turbodiesel, data based on PF10	0.2
P111	Textron Lycoming	IO-320-DIAD	160		0.2
PF03	Textron Lycoming	IO-360-A1B6	200		0.2
PF12	Textron Lycoming	IO-540-T4A5D	260		0.4
PF01	Teledyne/Continental	IO-550-B	300		0.4
P011	Teledyne/Continental	O-200	100		0.2
PF08	Textron Lycoming	O-320-E2A	150	In flight measurement	0.2
PF02	Textron Lycoming	O-360-A3A	180		0.2
PF11	Textron Lycoming	O-540-J3C5D	235		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		0.2
PF06	Rotax	Rotax 912	80		0.1
PF05	Rotax	Rotax 912S	100		0.1
PF04	Rotax	Rotax 914	114		0.1
PF10	Thielert Aircraft Engines	TAE-125-01	135	Turbodiesel	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		0.4

Helicopter Engines

Code	Manufacturer	Engine	Power [shp]	Remarks	Engine Emission Value
H002	diverse	H>1000hp	1877	Turboshaft over 1000 SHP	0.7
H001	diverse	H-1000hp	580	Turboshaft up to 1000 SHP	0.2
HF42	Textron Lycoming	HIO-360	200		0.2
HF44	Textron Lycoming	HIO-540	260		0.4
HF40	Textron Lycoming	HO-320	150		0.2
HF41	Textron Lycoming	HO-360	180		0.2
HF43	Textron Lycoming	HO-540	235		0.4
HF30	Turbomeca	Makila 1A1	1800	Turboshaft	0.7
H010	Pratt & Whitney	PT6B-35H	675	Turboshaft	0.2
H011	Pratt & Whitney	PT6B-36A	981	Turboshaft	0.2
H012	Pratt & Whitney	PT6B-36B	981	Turboshaft	0.2
H013	Pratt & Whitney	PT6B-37	900	Turboshaft	0.2
H014	Pratt & Whitney	PT6T-3	900	Turboshaft	0.2
H015	Pratt & Whitney	PT6T-3B	900	Turboshaft	0.2
H016	Pratt & Whitney	PT6T-3BE	900	Turboshaft	0.2
H017	Pratt & Whitney	PT6T-3D	900	Turboshaft	0.2
H018	Pratt & Whitney	PT6T-6	938	Turboshaft	0.2
H019	Pratt & Whitney	PW206A	621	Turboshaft	0.2
H020	Pratt & Whitney	PW206B	414	Turboshaft	0.2
H021	Pratt & Whitney	PW206C	550	Turboshaft	0.2
H022	Pratt & Whitney	PW206D	550	Turboshaft	0.2
H023	Pratt & Whitney	PW206E	621	Turboshaft	0.2
HF50	Rotax	Rotax 582 DCDI Heli	64		0.2
HF51	Rotax	Rotax 912S Heli	100		0.1

Code	Manufacturer	Engine	Power [hp]	Remarks	Engine Emission Value
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Turboprop Engines

T401	Allison	501 D13	3750		0.6
T150	Allison	501D22A	4508	Mil-Transporter like C-130	1.1
T201	Allison	AE2100A	3738		0.8
T600	Ivchenko	AI-24VT	2820		0.1
T051	General Electric	CT7-5A2	1735		0.4
T053	General Electric	CT7-9B	1750		0.4
T999	diverse	diverse	2000		0.8
T701	Pratt & Whitney	PT6A-11	500		0.1
T702	Pratt & Whitney	PT6A-110	475		0.1
T703	Pratt & Whitney	PT6A-112	500		0.1
T704	Pratt & Whitney	PT6A-114	600		0.1
T705	Pratt & Whitney	PT6A-114A	675		0.1
T708	Pratt & Whitney	PT6A-121	615		0.1
T710	Pratt & Whitney	PT6A-135A	750		0.1
T712	Pratt & Whitney	PT6A-15AG	680		0.1
T714	Pratt & Whitney	PT6A-20	550		0.1
T716	Pratt & Whitney	PT6A-21	550		0.1
T718	Pratt & Whitney	PT6A-25C	750		0.2
T011	Pratt & Whitney	PT6A-27	680		0.1
T720	Pratt & Whitney	PT6A-34	750		0.1
T722	Pratt & Whitney	PT6A-38	750		0.1
T724	Pratt & Whitney	PT6A-40	700		0.1
T726	Pratt & Whitney	PT6A-41	850		0.2
T728	Pratt & Whitney	PT6A-42	850		0.2
T730	Pratt & Whitney	PT6A-45A	1119		0.2
T731	Pratt & Whitney	PT6A-45AG	1141		0.2
T732	Pratt & Whitney	PT6A-45B	1141		0.2
T733	Pratt & Whitney	PT6A-45R	1197		0.2
T735	Pratt & Whitney	PT6A-50	1120		0.2
T737	Pratt & Whitney	PT6A-60	1050		0.2
T738	Pratt & Whitney	PT6A-60A	1050		0.2
T739	Pratt & Whitney	PT6A-60AG	1050		0.2
T741	Pratt & Whitney	PT6A-61	849		0.1
T743	Pratt & Whitney	PT6A-62	950		0.2
T745	Pratt & Whitney	PT6A-64	700		0.1
T747	Pratt & Whitney	PT6A-65AG	1300		0.2
T748	Pratt & Whitney	PT6A-65AR	1424		0.2
T749	Pratt & Whitney	PT6A-65B	1100		0.2
T750	Pratt & Whitney	PT6A-65R	1376		0.2
T752	Pratt & Whitney	PT6A-66	850		0.1
T754	Pratt & Whitney	PT6A-67	1200		0.2
T755	Pratt & Whitney	PT6A-67A	1200		0.2
T756	Pratt & Whitney	PT6A-67AF	1424		0.2
T757	Pratt & Whitney	PT6A-67AG	1350		0.2
T758	Pratt & Whitney	PT6A-67B	1200		0.2
T759	Pratt & Whitney	PT6A-67CF	1650		0.3
T760	Pratt & Whitney	PT6A-67D	1278		0.2
T761	Pratt & Whitney	PT6A-67R	1424		0.2
T763	Pratt & Whitney	PT6A-68	1100		0.2
T765	Pratt & Whitney	PW118	1800		0.5
T766	Pratt & Whitney	PW118A	1800		0.6
T767	Pratt & Whitney	PW118B	1800		0.6
T769	Pratt & Whitney	PW119B	2180		0.8
T770	Pratt & Whitney	PW119C	2180		0.8
T031	Pratt & Whitney	PW120	2000		0.8
T032	Pratt & Whitney	PW120A	2000		0.8
T775	Pratt & Whitney	PW121	2150		0.6
T776	Pratt & Whitney	PW121A	2200		0.7
T778	Pratt & Whitney	PW123	2380		0.8
T779	Pratt & Whitney	PW123B	2500		0.8
T780	Pratt & Whitney	PW123C	2150		0.8
T781	Pratt & Whitney	PW123D	2150		0.8
T782	Pratt & Whitney	PW123E	2380		0.8

Code	Manufacturer	Engine	Power [hp]	Remarks	Engine Emission Value
T034	Pratt & Whitney	PW124B	2400		1.2
T033	Pratt & Whitney	PW125B	2500		1.1
T788	Pratt & Whitney	PW126A	2662		0.9
T790	Pratt & Whitney	PW127	2750		0.9
T791	Pratt & Whitney	PW127B	2750		0.9
T792	Pratt & Whitney	PW127C	2750		0.9
T793	Pratt & Whitney	PW127D	2750		0.9
T794	Pratt & Whitney	PW127E	2400		0.9
T795	Pratt & Whitney	PW127F	2750		0.9
T796	Pratt & Whitney	PW127G	2920		1.0
T798	Pratt & Whitney	PW150A	5071		1.6
T800	Rolls Royce	RR DART 514	2140		0.1
T111	Rolls Royce	RR DART 514-7	2048		0.2
T113	Rolls Royce	RR DART 528-7E	2048		0.2
T114	Rolls Royce	RR DART 535-7R	2048		0.2
T120	Rolls Royce	RR DART 542-4	3060		0.3
T802	Rolls Royce	RR DART 552	2140		0.1
T125	Rolls Royce	RR DART 552-7R	2048		0.2
T102	Rolls Royce	RR DART RDa10	3060		0.3
T101	Rolls Royce	RR DART RDa7	2048		0.2
T404	Allison	T56-A-14	4508		0.7
T405	Allison	T56-A-15	4908		0.7
T002	diverse	TP>1000hp	1735		0.3
T001	diverse	TP-1000hp	680	Data from PT6A-27	0.1
T300	AlliedSignal/Garrett	TPE331-1	705		0.1
T301	AlliedSignal/Garrett	TPE331-10A	984		0.2
T302	AlliedSignal/Garrett	TPE331-10G	984		0.2
T303	AlliedSignal/Garrett	TPE331-10GT	984		0.2
T304	AlliedSignal/Garrett	TPE331-10N	984		0.2
T305	AlliedSignal/Garrett	TPE331-10R	984		0.2
T306	AlliedSignal/Garrett	TPE331-10U	984		0.2
T307	AlliedSignal/Garrett	TPE331-10UA	904		0.2
T308	AlliedSignal/Garrett	TPE331-10UG	984		0.2
T309	AlliedSignal/Garrett	TPE331-10UK	1045		0.2
T310	AlliedSignal/Garrett	TPE331-11U-601G	1000		0.2
T312	AlliedSignal/Garrett	TPE331-12B	1151		0.3
T314	AlliedSignal/Garrett	TPE331-12UA	1151		0.3
T315	AlliedSignal/Garrett	TPE331-12UHR	1151		0.3
T317	AlliedSignal/Garrett	TPE331-14B	1312		0.3
T318	AlliedSignal/Garrett	TPE331-14GR	1723		0.3
T320	AlliedSignal/Garrett	TPE331-15AW	1712		0.3
T322	AlliedSignal/Garrett	TPE331-1UA	705		0.1
T070	AlliedSignal/Garrett	TPE331-2	715		0.2
T323	AlliedSignal/Garrett	TPE331-2UA	755		0.2
T071	AlliedSignal/Garrett	TPE331-3	840		0.2
T324	AlliedSignal/Garrett	TPE331-3U	904		0.2
T325	AlliedSignal/Garrett	TPE331-3W	904		0.2
T326	AlliedSignal/Garrett	TPE331-5A	834		0.2
T327	AlliedSignal/Garrett	TPE331-5B	834		0.2
T328	AlliedSignal/Garrett	TPE331-6	808		0.2
T140	Rolls Royce	TYNE	5400		0.9