

**Emission surcharge on landing charges - Classification for turbofan engines**  
**Emissionabhängige Landegebühren - Klassierung der Strahltriebwerke**  
**Taxes d'atterrissage basées sur les émissions gazeuses - Classification des moteurs à réaction**

**Businessjets**

ICAO-UID or Source	Code	Manufacturer	Engine	Remarks	Emission Class
Honeywell	B002	diverse	BJ>16kN	Small jets 16.1 to 26.7 kN, generic	3
FOCA	B001	diverse	BJ-16kN	Small jets up to 16 kN, generic	3
FAEED222	B101	General Electric	CF700-2D		4
FAEED221	B106	General Electric	CJ610-6		2
Williams	B315	Williams International	FJ33-4A	uncertified manufacturer data	5
Williams	B300	Williams International	FJ44-1A	uncertified manufacturer data, SN from B302	5
Williams	B301	Williams International	FJ44-1AP	uncertified manufacturer data	5
Williams	B302	Williams International	FJ44-1C	uncertified manufacturer data	5
Williams	B305	Williams International	FJ44-2A/2C	uncertified manufacturer data	5
Williams	B310	Williams International	FJ44-3A	uncertified manufacturer data, SN from B302	5
1PW035	B071	Pratt & Whitney	JT15D-1	out of prod.	1
1PW036	B072	Pratt & Whitney	JT15D-4	out of prod.	2
1PW037	B073	Pratt & Whitney	JT15D-5	out of prod.	1
1PW038	B074	Pratt & Whitney	JT15D-5C	out of prod.	1
PWC	B081	Pratt & Whitney	PW305	uncertified manufacturer data	5
PWC	B003	Pratt & Whitney	PW530A	uncertified manufacturer data	1
PWC/FOCA	B004	Pratt & Whitney	PW545A	uncertified manufacturer data, PM soot: DLR/FOCA	5
PW	B075	Pratt & Whitney	PW545B	uncertified manufacturer data	5
PWC	B008	Pratt & Whitney	PW615F-A	uncertified manufacturer data	2
FOCA	B010	Pratt & Whitney	PW617F-E	FOCA Small Turbofan FOA	1
Honeywell	B137	Honeywell	TFE731-20	Learjet 45, uncertified manufacturer data	5
1AS001	B051	Honeywell	TFE731-2-2B	out of prod.	5
1AS002	B052	Honeywell	TFE731-3	out of prod.	5
Honeywell	B136	Honeywell	TFE731-40	G 100, uncertified manufacturer data	5
Honeywell	B135	Honeywell	TFE731-40-1C	Falcon 50EX, uncertified manufacturer data	5
Honeywell	B131	Honeywell	TFE731-5	Falcons 20 / 900, uncertified manufacturer data	5
Honeywell	B138	Honeywell	TFE731-50	uncertified manufacturer data	5
Honeywell	B132	Honeywell	TFE731-5A	Falcons 20 / 900, uncertified manufacturer data	5
Honeywell	B133	Honeywell	TFE731-5B	Falcons 20 / 900, uncertified manufacturer data	5
Honeywell	B134	Honeywell	TFE731-60-1C	Dassault 900EX, uncertified manufacturer data	5
Honeywell	B130	Honeywell	TFE738-1-1B	Falcon 2000, uncertified manufacturer data	5

**Jets**

ICAO-UID or Source	Code	Manufacturer	Engine	Remarks	Emission Class
4AL003	J202	Rolls Royce	AE3007A		4
6AL007	J805	Rolls Royce	AE3007A1	Notice AE3007A-076, PAB fuel nozzle, LEC, Type 3	5
6AL006	J804	Rolls Royce	AE3007A1	RR Notice AE3007A-076, Type 2	4
6AL005	J802	Rolls Royce	AE3007A1	RR Notice AE3007A-076, Type 1	4
6AL010	J808	Rolls Royce	AE3007A1/1	Notice AE3007A-076, PAB fuel nozzle, LEC, Type 3	5
6AL008	J806	Rolls Royce	AE3007A1/1	RR Notice AE3007A-076, Type 1	4
6AL009	J807	Rolls Royce	AE3007A1/1	RR Notice AE3007A-076, PAB fuel nozzles, Type 2	4
6AL011	J809	Rolls Royce	AE3007A1/3	RR Notice AE3007A-076, Type 1	4
6AL013	J811	Rolls Royce	AE3007A1/3	Notice AE3007A-076, PAB fuel nozzle, LEC, Type 3	5
6AL012	J810	Rolls Royce	AE3007A1/3	RR Notice AE3007A-076, PAB fuel nozzles, Type 2	4
RR	J801	Rolls Royce	AE3007A1/3		4
6AL020	J818	Rolls Royce	AE3007A1E	Notice AE3007A-076, PAB fuel nozzle, LEC, Type 3	5
6AL016	J814	Rolls Royce	AE3007A1P	Notice AE3007A-076, PAB fuel nozzle, LEC, Type 3	5
6AL015	J813	Rolls Royce	AE3007A1P	RR Notice AE3007A-076, PAB fuel nozzles, Type 2	4
6AL014	J812	Rolls Royce	AE3007A1P	RR Notice AE3007A-076, Type 1	4

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6AL019	J817	Rolls Royce	AE3007A3	Notice AE3007A-076, PAB fuel nozzle, LEC, Type 3	5
6AL018	J816	Rolls Royce	AE3007A3	RR Notice AE3007A-076, PAB fuel nozzles, Type 2	4
6AL017	J815	Rolls Royce	AE3007A3	RR Notice AE3007A-076, Type 1	4
6AL022	J820	Rolls Royce	AE3007C	RR Notice AE3007A-076, PAB fuel nozzles, Type 2	4
8AL025	J819	Rolls Royce	AE3007C	RR Notice AE3007A-076; Type 1	5
8AL025	J800	Rolls Royce	AE3007C	Type 1	5
6AL024	J822	Rolls Royce	AE3007C1	RR Notice AE3007A-076, PAB fuel nozzles, type 2	4
6AL023	J803	Rolls Royce	AE3007C1	RR Notice AE3007A-076, Type 1	5
1TL001	J680	Textron Lycoming	ALF 502L-2	out of prod.	4
1TL002	J681	Textron Lycoming	ALF 502R-3	out of prod.	5
1TL003	J682	Textron Lycoming	ALF 502R-5	out of prod.	5
1TL004	J690	Textron Lycoming	ALF 507		5
8HN001	J910	Honeywell	AS907-1-1A		3
3BR001	J850	BMW Rolls-Royce	BR700-710A1-10	out of prod.	5
4BR008	J858	BMW Rolls-Royce	BR700-710A1-10	20. Oct 96 or later	5
4BR009	J854	BMW Rolls-Royce	BR700-710A2-20	20. Oct 96 or later	5
6BR010	J859	BMW Rolls-Royce	BR700-710-C4-11	For Gulfstream G550, Annular Comb.	5
4BR002	J851	BMW Rolls-Royce	BR700-715A1-30	out of prod.	5
4BR005	J855	BMW Rolls-Royce	BR700-715A1-30	improved fuel injector, 29. Jun 99 or later	5
4BR006	J856	BMW Rolls-Royce	BR700-715B1-30	improved fuel injector, 29. Jun 99 or later	5
4BR003	J852	BMW Rolls-Royce	BR700-715B1-30	out of prod.	4
4BR007	J857	BMW Rolls-Royce	BR700-715C1-30	improved fuel injector, 29. Jun 99 or later	5
4BR004	J853	BMW Rolls-Royce	BR700-715C1-30	out of prod.	4
8GE114	J100	General Electric	CF34-10E2A1	SAC	5
8GE115	J125	General Electric	CF34-10E5	SAC	5
8GE117	J126	General Electric	CF34-10E5A1	SAC	5
8GE116	J127	General Electric	CF34-10E6	SAC	5
8GE118	J128	General Electric	CF34-10E6A1	SAC	5
8GE119	J137	General Electric	CF34-10E7	SAC	5
1GE034	J090	General Electric	CF34-3A	LEC II	5
1GE035	J091	General Electric	CF34-3A1	LEC II	5
5GE084	J098	General Electric	CF34-3B	Engine S/N 807-005	5
5GE083	J092	General Electric	CF34-8C1	Engine S/N 965202	5
6GE096	J097	General Electric	CF34-8C1 Block 1	28. Jan 02 or later, LEC, Engine S/N 193111	5
8GE110	J094	General Electric	CF34-8C5	Engine S/N 193111, LEC	5
8GE107	J138	General Electric	CF34-8C5A1	LEC	5
8GE104	J139	General Electric	CF34-8C5A2	LEC	5
8GE103	J173	General Electric	CF34-8C5A3	LEC	5
8GE112	J174	General Electric	CF34-8C5B1	LEC	5
8GE113	J095	General Electric	CF34-8E2	Engine S/N 193111, LEC	5
8GE111	J175	General Electric	CF34-8E2A1	LEC	5
8GE108	J096	General Electric	CF34-8E5	Engine S/N 193111, LEC	5
8GE105	J093	General Electric	CF34-8E5A1	LEC	5
8GE102	J176	General Electric	CF34-8E5A2	LEC	5
8GE109	J177	General Electric	CF34-8E6	LEC	5
8GE106	J178	General Electric	CF34-8E6A1	LEC	5
3GE067	J129	General Electric	CF6-45A	LEFN combustor, out of prod., taxi mode = idle	5
3GE068	J131	General Electric	CF6-45A2	LEFN combustor, out of prod.; taxi mode = idle	5
1GE005	J130	General Electric	CF6-45A2	out of prod.	2
3GE069	J132	General Electric	CF6-50A	LEFN combustor, out of prod., taxi mode = idle	4
1GE006	J140	General Electric	CF6-50C	out of prod.	2
3GE070	J145	General Electric	CF6-50C	LEFN combustor, out of prod., taxi mode = idle	4
3GE073	J183	General Electric	CF6-50C1	LEFN combustor, out of prod., taxi mode = idle	4
1GE007	J142	General Electric	CF6-50C1	out of prod.	2
1GE007	J143	General Electric	CF6-50C2		2
3GE074	J184	General Electric	CF6-50C2	LEFN combustor, out of prod., taxi mode = idle	4
3GE078	J185	General Electric	CF6-50C2B	LEFN combustor, out of prod., taxi mode = idle	4
1GE008	J141	General Electric	CF6-50C2R	out of prod.	2
3GE072	J186	General Electric	CF6-50C2R	LEFN, 29. Jul 87 or later, out of pr., taxi = idle	4
3GE071	J172	General Electric	CF6-50CA	LEFN, out of prod., taxi mode = idle	4
3GE075	J187	General Electric	CF6-50E, -50E1	=3GE076, LEFN, out of prod., taxi mode = idle	4
3GE077	J188	General Electric	CF6-50E2	LEFN, out of prod., taxi mode = idle	4
1GE009	J144	General Electric	CF6-50E2	out of prod.	2
3GE079	J189	General Electric	CF6-50E2B	LEFN, out of prod., taxi mode = idle	4
1GE001	J101	General Electric	CF6-6D	out of prod.	2
1GE002	J103	General Electric	CF6-6D1A	out of prod.	2
1GE003	J102	General Electric	CF6-6K	out of prod.	2
1GE004	J104	General Electric	CF6-6K2	out of prod.	2
1GE010	J146	General Electric	CF6-80A	out of prod.	3
1GE011	J147	General Electric	CF6-80A1	out of prod.	3
1GE012	J148	General Electric	CF6-80A2	out of prod.	3

ICAO-UID or Source	Code	Manufacturer	Engine	Remarks	Emission Class
1GE013	J149	General Electric	CF6-80A3	out of prod.	3
1GE014	J150	General Electric	CF6-80C2A1	out of prod.	4
2GE036	J151	General Electric	CF6-80C2A1	1862M39 combustor, 17. Jan 95 or later	5
2GE037	J157	General Electric	CF6-80C2A2	1862M39 combustor, S/N 704 /233 or later	5
1GE016	J153	General Electric	CF6-80C2A2	out of prod.	4
2GE038	J158	General Electric	CF6-80C2A3	1862M39 combustor	5
1GE018	J133	General Electric	CF6-80C2A3	standard combustor, out of prod.	3
2GE039	J159	General Electric	CF6-80C2A5	1862M39 combustor	5
1GE020	J134	General Electric	CF6-80C2A5	standard combustor, out of prod.	4
3GE056	J179	General Electric	CF6-80C2A5F	1862M39 combustor	5
1GE021	J156	General Electric	CF6-80C2A8	out of prod.	4
2GE040	J168	General Electric	CF6-80C2A8	1862M39 combustor, 17. Jan 95 or later	5
2GE041	J169	General Electric	CF6-80C2B1	1862M39 combustor, 17. Jan 95 or later	5
1GE022	J160	General Electric	CF6-80C2B1	out of prod.	4
2GE045	J190	General Electric	CF6-80C2B1F	1862M39 combustor	5
1GE024	J164	General Electric	CF6-80C2B1F	out of prod.	4
2GE042	J171	General Electric	CF6-80C2B2	1862M39 combustor, 17. Jan 95 or later	5
1GE025	J161	General Electric	CF6-80C2B2	out of prod.	4
1GE026	J165	General Electric	CF6-80C2B2F	out of prod.	4
2GE046	J105	General Electric	CF6-80C2B2F	1862M39 combustor, 17. Jan 95 or later	5
1GE027	J162	General Electric	CF6-80C2B4	out of prod.	4
2GE043	J106	General Electric	CF6-80C2B4	1862M39 combustor, 17. Jan 95 or later	5
1GE028	J166	General Electric	CF6-80C2B4F	out of prod.	4
2GE047	J107	General Electric	CF6-80C2B4F	1862M39 combustor, 17. Jan 95 or later	5
3GE057	J108	General Electric	CF6-80C2B5F	1862M39 combustor	5
1GE029	J163	General Electric	CF6-80C2B6	out of prod.	4
2GE044	J109	General Electric	CF6-80C2B6	1862M39 combustor, 17. Jan 95 or later	5
2GE048	J110	General Electric	CF6-80C2B6F	1862M39 combustor, 17. Jan 95 or later	5
1GE030	J167	General Electric	CF6-80C2B6F	out of prod.	4
2GE054	J111	General Electric	CF6-80C2B7F	out of prod.	4
2GE055	J112	General Electric	CF6-80C2B7F	1862M39 combustor, 17. Jan 95 or later	5
8GE101	J200	General Electric	CF6-80C2B8F	1862M39 combustor	5
3GE058	J113	General Electric	CF6-80C2B8FA	1862M39 combustor	5
2GE049	J114	General Electric	CF6-80C2D1F	1862M39 combustor, 17. Jan 95 or later	5
1GE031	J170	General Electric	CF6-80C2D1F	out of prod.	4
2GE050	J115	General Electric	CF6-80E1A1	1862M39 combustor, 17. Jan 95 or later	5
1GE032	J180	General Electric	CF6-80E1A1		3
1GE033	J181	General Electric	CF6-80E1A2		3
2GE051	J116	General Electric	CF6-80E1A2	1862M39 combustor, 17. Jan 95 or later	5
5GE085	J124	General Electric	CF6-80E1A3	Standard combustor	3
4GE081	J117	General Electric	CF6-80E1A4	Low emissions, 16. Mrz 96 or later	4
4GE080	J182	General Electric	CF6-80E1A4	Standard combustor	3
1CM001	J010	CFM International	CFM56-2A	out of prod.	5
1CM002	J013	CFM International	CFM56-2B-1	out of prod.	5
1CM003	J012	CFM International	CFM56-2-C5	out of prod.	5
1CM004	J020	CFM International	CFM56-3-B1	out of prod., -3C-1 and -3B-2 for B737-300	5
1CM005	J021	CFM International	CFM56-3B-2	out of prod., -3C1 for B737-300 and -400	5
1CM007	J022	CFM International	CFM56-3C-1	out of prod.	5
1CM006	J023	CFM International	CFM56-3C-1 (rerated)	rerated, out of prod., -3-B1 for B737-500	5
1CM008	J030	CFM International	CFM56-5-A1		5
1CM009	J040	CFM International	CFM56-5A3		5
4CM035	J076	CFM International	CFM56-5A4		5
4CM036	J047	CFM International	CFM56-5A5		5
2CM012	J060	CFM International	CFM56-5B1	out of prod.	3
2CM016	J050	CFM International	CFM56-5B1/2	DAC, out of prod.	5
3CM020	J055	CFM International	CFM56-5B1/2P	DAC II	5
8CM052	J058	CFM International	CFM56-5B1/3	Tech Insertion	5
3CM023	J064	CFM International	CFM56-5B1/P		4
2CM013	J061	CFM International	CFM56-5B2	out of prod.	3
2CM017	J051	CFM International	CFM56-5B2/2	DAC, out of prod.	5
4CM037	J078	CFM International	CFM56-5B2/2P	DAC II	5
8CM053	J059	CFM International	CFM56-5B2/3	Tech Insertion	5
3CM024	J065	CFM International	CFM56-5B2/P		3
4CM038	J062	CFM International	CFM56-5B3/2P	DAC II	4
8CM054	J054	CFM International	CFM56-5B3/3	Tech Insertion	5
3CM025	J066	CFM International	CFM56-5B3/P		3
2CM014	J063	CFM International	CFM56-5B4	out of prod.	4
2CM018	J052	CFM International	CFM56-5B4/2	DAC, out of prod.	5
3CM021	J056	CFM International	CFM56-5B4/2P	DAC II	5
8CM055	J085	CFM International	CFM56-5B4/3	Tech Insertion	5

ICAO-UID or Source	Code	Manufacturer	Engine	Remarks	Emission Class
3CM026	J067	CFM International	CFM56-5B4/P		4
8CM056	J086	CFM International	CFM56-5B5/3	Tech Insertion	5
3CM027	J068	CFM International	CFM56-5B5/P		5
2CM019	J053	CFM International	CFM56-5B6/2	DAC, out of prod.	5
3CM022	J057	CFM International	CFM56-5B6/2P	DAC II	5
8CM057	J087	CFM International	CFM56-5B6/3	Tech Insertion	5
3CM028	J069	CFM International	CFM56-5B6/P		5
8CM058	J088	CFM International	CFM56-5B7/3	Tech Insertion	5
6CM044	J077	CFM International	CFM56-5B7/P	Engine S/N 779-194/1	4
8CM059	J089	CFM International	CFM56-5B8/3	Tech Insertion	5
7CM048	J079	CFM International	CFM56-5B8/P	SAC Engine S/N 779-194/1	5
7CM050	J026	CFM International	CFM56-5B9/2P	DAC	5
8CM060	J024	CFM International	CFM56-5B9/3	Tech Insertion	5
7CM049	J025	CFM International	CFM56-5B9/P	SAC Engine S/N 779-194/1	5
1CM010	J041	CFM International	CFM56-5C2		4
7CM045	J027	CFM International	CFM56-5C2/P	SAC Engine S/N 740/105	4
1CM011	J042	CFM International	CFM56-5C3		3
7CM046	J028	CFM International	CFM56-5C3/P	SAC Engine S/N 740-105	4
2CM015	J043	CFM International	CFM56-5C4		3
7CM047	J029	CFM International	CFM56-5C4/P	SAC Engine S/N 740-105	4
3CM029	J070	CFM International	CFM56-7B18		5
8CM061	J044	CFM International	CFM56-7B18/3	Tech Insertion	5
3CM030	J071	CFM International	CFM56-7B20		5
4CM039	J080	CFM International	CFM56-7B20/2	DAC	5
8CM062	J045	CFM International	CFM56-7B20/3	Tech Insertion	5
3CM031	J072	CFM International	CFM56-7B22		5
4CM040	J081	CFM International	CFM56-7B22/2	DAC	5
8CM063	J046	CFM International	CFM56-7B22/3	Tech Insertion	5
3CM032	J073	CFM International	CFM56-7B24		4
4CM041	J082	CFM International	CFM56-7B24/2	DAC	5
8CM064	J048	CFM International	CFM56-7B24/3	Tech Insertion	5
8CM051	J074	CFM International	CFM56-7B26		4
4CM042	J083	CFM International	CFM56-7B26/2	DAC	5
8CM065	J049	CFM International	CFM56-7B26/3	Tech Insertion	5
3CM034	J075	CFM International	CFM56-7B27		4
4CM043	J084	CFM International	CFM56-7B27/2	DAC	5
8CM066	J035	CFM International	CFM56-7B27/3	Tech Insertion	5
FOCA	J357	AO 'Aviadgatel'	D-18T	based on J354	3
1AA001	J750	AO 'Aviadgatel'	D-30-2	out of prod.	1
1AA002	J751	AO 'Aviadgatel'	D-30-KP-2	out of prod.	2
1AA003	J752	AO 'Aviadgatel'	D-30-KU	out of prod.	3
1AA004	J753	AO 'Aviadgatel'	D-30-KU-154	out of prod.	3
1ZM001	J700	ZMKB	D-36	For YK-42	3
7GE097	J205	General Electric	GE90-110B1	SN corrected for aromatics content, DAC	3
7GE098	J206	General Electric	GE90-113B	SN corrected for aromatics content, DAC	3
7GE099	J207	General Electric	GE90-115B	SN corrected for aromatics content, DAC	3
2GE052	J118	General Electric	GE90-76B	DAC I, out of prod., SN TO, CL, AP estimated	3
6GE087	J191	General Electric	GE90-76B	DAC II, 12. Jan 00 or later, Data equal 5GE086	4
3GE062	J119	General Electric	GE90-76B	DAC II, 19. Jun 97 or later, out of prod	4
9GE124	J208	General Electric	GE90-76B	PEC (Performance Enhanced Combustor)	4
3GE063	J121	General Electric	GE90-77B	DAC II, 19. Jun 97 or later, out of prod.	4
3GE059	J120	General Electric	GE90-77B	DAC I, out of prod.	3
6GE088	J123	General Electric	GE90-77B	DAC II, 12. Jan 00 or later	4
9GE125	J209	General Electric	GE90-77B	PEC (Performance Enhanced Combustor)	4
2GE053	J122	General Electric	GE90-85B	DAC I, out of prod., SN TO, CL, AP estimated	3
6GE089	J193	General Electric	GE90-85B	DAC II, 12. Jan 00 or later	3
9GE126	J260	General Electric	GE90-85B	PEC (Performance Enhanced Combustor)	3
3GE064	J192	General Electric	GE90-85B	DAC II, 19. Jun 97 or later, out of prod.	3
3GE065	J195	General Electric	GE90-90B	DAC II, 19. Jun 97 or later, out of prod.	3
6GE090	J198	General Electric	GE90-90B	DAC II, 12. Jan 00 or later	3
9GE127	J261	General Electric	GE90-90B	PEC (Performance Enhanced Combustor)	3
3GE060	J194	General Electric	GE90-90B	DAC I, out of prod.	3
3GE066	J197	General Electric	GE90-92B	DAC II, 19. Jun 97 or later, SN around 0	3
3GE061	J196	General Electric	GE90-92B	DAC I, out of prod.	3
9GE128	J262	General Electric	GE90-94B	PEC (Performance Enhanced Combustor)	3
8GE100	J199	General Electric	GE90-94B	DAC II, 12. Jan 00 or later	3
9EA001	J250	Engine Alliance	GP7270		4
1PW001	J300	Pratt & Whitney	JT3D-3B	out of prod.	1
1PW002	J301	Pratt & Whitney	JT3D-7	out of prod., 14-57D combustor, with 14-7 SN=18	1
1PW002	J302	Pratt & Whitney	JT3D-7A	out of prod.	1
1PW008	J315	Pratt & Whitney	JT8D-11	out of prod.	2

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1PW010	J316	Pratt & Whitney	JT8D-15	1.1.1984 or later, out of prod.	3
1PW009	J341	Pratt & Whitney	JT8D-15	Smoke fix, out of prod. Jun 80	2
1PW011	J317	Pratt & Whitney	JT8D-15A	out of prod.	3
1PW013	J318	Pratt & Whitney	JT8D-17	1.1.1984 or later, out of prod.	3
1PW012	J342	Pratt & Whitney	JT8D-17	Smoke fix, out of prod. Jun 80	2
1PW014	J319	Pratt & Whitney	JT8D-17A	out of prod.	3
1PW015	J321	Pratt & Whitney	JT8D-17AR	out of prod.	3
1PW016	J320	Pratt & Whitney	JT8D-17R	out of prod.	3
1PW017	J330	Pratt & Whitney	JT8D-209	out of prod.	3
4PW068	J343	Pratt & Whitney	JT8D-217	E-Kit 5/1999 or later, out of prod.	5
1PW018	J331	Pratt & Whitney	JT8D-217	out of prod.	3
4PW069	J344	Pratt & Whitney	JT8D-217A	E-Kit 5/1999 or later, out of prod.	5
1PW018	J332	Pratt & Whitney	JT8D-217A	out of prod.	3
1PW018	J333	Pratt & Whitney	JT8D-217C	out of prod.	3
4PW070	J345	Pratt & Whitney	JT8D-217C	E-Kit 5/1999 or later	5
4PW071	J346	Pratt & Whitney	JT8D-219	E-Kit 5/1999 or later, out of prod.	5
1PW019	J334	Pratt & Whitney	JT8D-219	46-16B combustor	3
8PW085	J347	Pratt & Whitney	JT8D-7 series	Emission reduction, out of prod.	3
1PW004	J311	Pratt & Whitney	JT8D-7A	out of prod.	2
1PW004	J312	Pratt & Whitney	JT8D-7B	out of prod.	2
1PW007	J313	Pratt & Whitney	JT8D-9	1/1984 or later, out of prod.	3
1PW006	J348	Pratt & Whitney	JT8D-9 series	Smoke fix, out of prod.	2
1PW007	J314	Pratt & Whitney	JT8D-9A		3
8PW088	J370	Pratt & Whitney	JT9D-20	out of prod.	1
1PW032	J371	Pratt & Whitney	JT9D-20J	out of prod.	1
1PW033	J354	Pratt & Whitney	JT9D-59A	out of prod., also for An-124 (D-18T)	3
8PW086	J350	Pratt & Whitney	JT9D-7	out of prod.	1
1PW034	J355	Pratt & Whitney	JT9D-70A	out of prod.	3
8PW087	J351	Pratt & Whitney	JT9D-7A	out of prod.	1
1PW023	J356	Pratt & Whitney	JT9D-7F	Mod VI combustor, 1980 or later, out of prod.	1
1PW022	J352	Pratt & Whitney	JT9D-7F	Mod V combustor, out of prod.	1
1PW024	J369	Pratt & Whitney	JT9D-7J	out of prod.	1
1PW025	J353	Pratt & Whitney	JT9D-7Q	out of prod.	3
1PW026	J361	Pratt & Whitney	JT9D-7R4D	out of prod.	3
1PW027	J363	Pratt & Whitney	JT9D-7R4E	out of prod.	3
1PW028	J364	Pratt & Whitney	JT9D-7R4E1 (H)	out of prod.	3
1PW029	J366	Pratt & Whitney	JT9D-7R4G2	out of prod.	3
1PW030	J367	Pratt & Whitney	JT9D-7R4H1	out of prod.	3
PW	J368	Pratt & Whitney	JT9D-7R4H2		3
FOCA	J792	Kuznetsov	KUS-N-8-211	HC Taxi from J791	1
FOCA	J790	Kuznetsov	KUS-NK-8-4	HC taxi estimated	1
FOCA	J791	Kuznetsov	KUS-NK-8-6		1
1RR001	J660	Rolls Royce	M45H-01	out of prod.	1
FAEED179	J011	diverse	Miljets>100kN		3
FAEED170	J014	diverse	Miljets-100kN		3
1KK001	J713	KKBM	NK-8-2U	out of prod.	1
1KK002	J714	KKBM	NK-8-2U	14. Jun 90 or later	1
1KK003	J710	KKBM	NK-86	out of prod.	1
1KK004	J712	KKBM	NK-86A	out of prod.	2
1KK005	J711	KKBM	NK-86MA		5
1AA005	J780	AO 'Aviadgatel'	PS-90A	out of prod.	3
4PW072	J431	Pratt & Whitney	PW2037		4
4PW073	J432	Pratt & Whitney	PW2040		4
PW	J402	Pratt & Whitney	PW2041		3
7PW077	J306	Pratt & Whitney	PW306A	Annular combustor	3
7PW078	J303	Pratt & Whitney	PW306B	Annular combustor	3
8PW091	J307	Pratt & Whitney	PW307A	Talon II, revised 8PW090	5
7PW079	J304	Pratt & Whitney	PW308A	Annular combustor	4
7PW080	J305	Pratt & Whitney	PW308C	Annular combustor	4
1PW042	J410	Pratt & Whitney	PW4056	reduced em., out of prod.	4
1PW043	J412	Pratt & Whitney	PW4060	reduced em., out of prod.	4
2PW060	J415	Pratt & Whitney	PW4074		4
3PW063	J434	Pratt & Whitney	PW4074D	out of prod.	3
2PW061	J416	Pratt & Whitney	PW4077		4
3PW064	J435	Pratt & Whitney	PW4077D		3
8PW089	J418	Pratt & Whitney	PW4084		3
3PW065	J436	Pratt & Whitney	PW4084D		3
3PW066	J437	Pratt & Whitney	PW4090		2
5PW076	J419	Pratt & Whitney	PW4098		3
1PW045	J420	Pratt & Whitney	PW4152	out of prod.	5
1PW047	J422	Pratt & Whitney	PW4156	out of prod.	4

ICAO-UID or Source	Code	Manufacturer	Engine	Remarks	Emission Class
1PW048	J424	Pratt & Whitney	PW4158	out of prod.	4
7PW081	J423	Pratt & Whitney	PW4164	Talon II combustor	5
1PW049	J425	Pratt & Whitney	PW4164	Floatwall	3
9PW092	J470	Pratt & Whitney	PW4164-1D	Talon IIB Combustor	5
5PW075	J427	Pratt & Whitney	PW4168	Talon II	5
1PW050	J426	Pratt & Whitney	PW4168	Floatwall	3
9PW093	J471	Pratt & Whitney	PW4168-1D	Talon IIB Combustor	5
7PW082	J421	Pratt & Whitney	PW4168A	Talon II combustor	5
4PW067	J428	Pratt & Whitney	PW4168A	Floatwall	3
9PW094	J472	Pratt & Whitney	PW4168A-1D	Talon IIB Combustor	5
9PW095	J473	Pratt & Whitney	PW4170	Talon IIB Combustor	4
1PW051	J430	Pratt & Whitney	PW4256	out of prod.	4
1PW052	J440	Pratt & Whitney	PW4460	out of prod.	4
1PW053	J450	Pratt & Whitney	PW4x50	Phase 3, out of prod.	4
1PW054	J451	Pratt & Whitney	PW4x52	Phase 3 combustor	4
1PW055	J452	Pratt & Whitney	PW4x56	Phase 3 combustor	4
1PW056	J453	Pratt & Whitney	PW4x58	Phase 3	4
5PW074	J429	Pratt & Whitney	PW4x58	Talon II	5
1PW057	J454	Pratt & Whitney	PW4x60	Phase 3 combustor	4
1PW059	J456	Pratt & Whitney	PW4x62	Phase 3, 19. Jan 93 or later	3
1PW058	J441	Pratt & Whitney	PW4x62	out of prod.	4
7PW083	J460	Pratt & Whitney	PW6122A	Talon II comb., Dec. 2003 or later	5
7PW084	J461	Pratt & Whitney	PW6124A	Talon II comb., Dec 2003 or later	5
1RR002	J501	Rolls Royce	RB211-22B	Package 1 comb., out of prod.	1
1RR005	J510	Rolls Royce	RB211-524B	Phase 2, out of prod., SN from 1RR004	2
1RR005	J511	Rolls Royce	RB211-524B2	Phase 2	2
1RR005	J512	Rolls Royce	RB211-524B3		2
1RR005	J513	Rolls Royce	RB211-524B4		2
1RR006	J514	Rolls Royce	RB211-524C2	out of prod.	1
1RR008	J503	Rolls Royce	RB211-524D4	Phase 2, out of prod.	2
1RR010	J516	Rolls Royce	RB211-524G	out of prod.	2
4RR036	J505	Rolls Royce	RB211-524G-T		4
1RR011	J517	Rolls Royce	RB211-524H	out of prod.	2
4RR037	J506	Rolls Royce	RB211-524H-T		4
1RR012	J520	Rolls Royce	RB211-535C	out of prod.	3
5RR038	J522	Rolls Royce	RB211-535E4	Phase 5, Mai 99 or later	5
3RR028	J508	Rolls Royce	RB211-535E4	out of prod. Mai 99	3
5RR039	J523	Rolls Royce	RB211-535E4B	Phase 5, Mai 99 or later	5
3RR034	J509	Rolls Royce	RB211-535E4B	out of prod.	3
4RR035	J553	Rolls Royce	SPEY 555	Transply IIF, out of prod.	3
1RR016	J550	Rolls Royce	SPEY MK511	Transply IIIH, out of prod.	2
8RR043	J554	Rolls Royce	SPEY Mk511	out of prod. Aug. 85	1
1RR016	J551	Rolls Royce	SPEY MK511-8	Transply IIIH, out of prod.	2
1RR017	J555	Rolls Royce	SPEY Mk555	out of prod.	1
1RR018	J552	Rolls Royce	SPEY MK555	Transply II, Nov. 84 or later	3
6RR042	J653	BMW Rolls-Royce	TAY 611-8C	22. Jan 02 or later, Transply IIJ	5
3RR031	J560	Rolls Royce	TAY 650	Pedhead combustor	5
3RR033	J562	Rolls Royce	TAY 651	Transply, out of prod.	4
3RR032	J561	Rolls Royce	TAY 651	Pedhead combustor, Jun. 97 or later	5
1RR019	J650	Rolls Royce	TAY MK611-8		4
1RR020	J651	Rolls Royce	TAY MK620-15	out of prod. Oct. 89	4
1RR021	J652	Rolls Royce	TAY MK650-15	out of prod.	4
RR	J666	Rolls Royce	TRENT 500	Manufacturer data, not certified	4
8RR044	J668	Rolls Royce	Trent 553-61	Phase 5 tiled combustor, 2005 or later	4
8RR045	J669	Rolls Royce	Trent 556-61	Phase 5 tiled combustor, higher thrust	3
6RR041	J667	Rolls Royce	TRENT 556-61	out of prod. 2004	3
3RR029	J570	Rolls Royce	TRENT 768	ITC	4
3RR030	J673	Rolls Royce	TRENT 772	ITC	4
2RR024	J674	Rolls Royce	TRENT 875		4
2RR025	J675	Rolls Royce	TRENT 877		4
2RR026	J676	Rolls Royce	TRENT 884		4
2RR027	J677	Rolls Royce	TRENT 890		3
2RR027	J678	Rolls Royce	TRENT 892		3
5RR040	J679	Rolls Royce	TRENT 895		3
8RR046	J670	Rolls Royce	Trent 970-84	Phase 5 tiled	4
9RR047	J665	Rolls Royce	Trent 992-84	Phase5 Tiled Combustor	4
2CM015	J999	diverse	unknown	Adapted from 2CM015	3
1A001	J210	Intl Aero Engines	V2500-A1	out of prod.	3
3A006	J212	Intl Aero Engines	V2522-A5		5
3A007	J214	Intl Aero Engines	V2524-A5		5
3A007	J213	Intl Aero Engines	V2524-A5	Increased thrust	5

<b>ICAO-UID or Source</b>	<b>Code</b>	<b>Manufacturer</b>	<b>Engine</b>	<b>Remarks</b>	<b>Emission Class</b>
11A002	J215	Intl Aero Engines	V2525-D5		5
11A003	J220	Intl Aero Engines	V2527-A5		5
81A010	J217	Intl Aero Engines	V2527E-A5		5
81A09	J216	Intl Aero Engines	V2527M-A5		5
11A004	J225	Intl Aero Engines	V2528-D5		4
11A005	J230	Intl Aero Engines	V2530-A5		4
31A008	J235	Intl Aero Engines	V2533-A5		3