

Annex 3 Detailed data for estimating CH₄ and N₂O emissions from National and International Aviation

The values of CH₄ and N₂O emissions for each cycle type of aircraft flight (kg fuel / LTO)

National LTO

Source = Eurostat website

Aircraft traffic data by reporting country [avia_tf_acc]

AIRCRAFT/TIME	Fuel consumption		LTO Efs												
	kg fuel/LTO	source	kg CH ₄ / LTO	kg N ₂ O / LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
AIRBUS--A-321 ALL MODELS aircraft	960	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
BOEING--727 ALL MODELS aircraft	1460	2006 IPCC Vol2 Ch3 Table 3.6.9	0.81	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
BOEING--MD-87 aircraft	1010	2006 IPCC Vol2 Ch3 Table 3.6.9	0.19	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
CANADAI--CL-600 REGIONAL JET ALL MODELS aircraft	330	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	2	:	1	29	1	3	1

AIRCRAFT/TIME	Fuel consumption		LTO Efs												
	kg fuel/LTO	source	kg CH4I / LTO	kg N2O/LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
CANADAIR--CL-65 REGIONAL JET ALL MODELS aircraft	330	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
LOCKHEED--L-1011 TRISTAR aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	7.4	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
OTHER AVROLINER aircraft	600	2006 IPCC Vol2 Ch3 Table 3.6.9	0.13	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	26	:	6	:	:	:	:	:	:
OTHERS aircraft						:	719	290	730	515	606	2,004	1,426	458	133
AEROSPATIALE--ATR-72 ALL MODELS aircraft	200	2006 IPCC Vol2 Ch3 Table 3.6.9	0.03	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	1	:	:	:	1	1,597	3,176	2,919	1,871
AIRBUS--A-340 ALL MODELS aircraft	2020	2006 IPCC Vol2 Ch3 Table 3.6.9	0.39	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
BOEING--777 ALL MODELS aircraft	2560	2006 IPCC Vol2 Ch3 Table 3.6.9	0.07	0.3	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
BOEING--MD-80 aircraft	1010	2006 IPCC Vol2 Ch3 Table 3.6.9	0.19	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	5	37	1	:	:	1	2
DORNIER--328 aircraft	280	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	1	:	12	:	:	:	:

AIRCRAFT/TIME	Fuel consumption		LTO Efs												
	kg fuel/LTO	source	kg CH4I / LTO	kg N2O/LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
DOUGLAS--DC-10 ALL MODELS aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.24	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
DOUGLAS--DC-8 ALL MODELS aircraft	1700	2006 IPCC Vol2 Ch3 Table 3.6.9	0.15	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
OTHER ANTONOV aircraft						:	16	:	:	:	:	:	:	:	:
OTHER TUPOLEV aircraft	1890	2006 IPCC Vol2 Ch3 Table 3.6.9	1.32	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
SAAB--340 aircraft	75.1	Emep/EEA GB 2009 Ch1A3a Annex excel file	0	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	3,445	2,004	391	162	:	166	2,832	71	1
AEROSPATIALE--AS-332 aircraft						:	:	:	:	:	:	:	2	:	:
AIRBUS--A-300 ALL MODELS aircraft	1720	2006 IPCC Vol2 Ch3 Table 3.6.9	0.12	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
BOEING--MD-82 aircraft	1010	2006 IPCC Vol2 Ch3 Table 3.6.9	0.19	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	1	:	:	10	42	:	2	:	:
BRITTEN-NORMAN--BN-2 aircraft						:	:	:	:	3	8	194	:	:	:

AIRCRAFT/TIME	Fuel consumption		LTO Efs												
	kg fuel/LTO	source	kg CH4I / LTO	kg N2O/LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
FOKKER--50 aircraft	760	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
TUPOLEV--TU-154 aircraft	1890	2006 IPCC Vol2 Ch3 Table 3.6.9	1.32	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
AIRBUS--A-330 ALL MODELS aircraft	2230	2006 IPCC Vol2 Ch3 Table 3.6.9	0.13	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
BAE-146 ALL MODELS aircraft	570	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	298	495	569	38	72	18	12	7	8
BAE-AVROLINER--RJ-100 aircraft	570	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
BOEING--717 ALL MODELS aircraft	680	2006 IPCC Vol2 Ch3 Table 3.6.9	0.01	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
BOEING--737 ALL MODELS aircraft	870	2006 IPCC Vol2 Ch3 Table 3.6.9	0.45	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	601	929	1,520	2,722	2,368	3,412	4,649	2,469	988
EMBRAER--120 aircraft	310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	8	:
OTHER AEROSPATIALE aircraft	200	2006 IPCC Vol2 Ch3 Table 3.6.9	0.03	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	1,495	659	545	777	26	43	5,924	2,688	3

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AIRCRAFT/TIME	Fuel consumption		LTO Efs												
	kg fuel/LTO	source	kg CH ₄ / LTO	kg N ₂ O / LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
BOEING--MD-11 aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.24	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
OTHER EMBRAER aircraft	310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	3	:	:	:	:	:	:	1	:
OTHER LOCKHEED aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	7.4	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	1	:	:	:	:	:	:	:	2
UNKNOWN aircraft						:	76	:	186	229	16	49	48	15	14
Total aircraft						:	20,056	21,417	21,261	24,700	26,330	31,924	34,085	23,191	15,603
Total fuel consumption LTO-national		t fuel					21,102	18,705	16,140	21,210	19,960	26,094	33,322	16,262	4,814
Total CH ₄ emissions LTO-national		Gg CH ₄					0.002	0.002	0.003	0.004	0.003	0.004	0.006	0.003	0.001
Total N ₂ O emissions LTO-national		Gg N ₂ O					0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.001
IEF CH ₄ LTO-national		kg CH ₄ /t fuel					0.112	0.128	0.158	0.176	0.167	0.172	0.179	0.194	0.209
IEF N ₂ O LTO-national		kg N ₂ O/t fuel					0.096	0.097	0.103	0.103	0.104	0.106	0.104	0.107	0.115

The values of CH₄ and N₂O emissions for each cycle type of aircraft flight (kg fuel / LTO)

International LTO

Source = Eurostat website

Aircraft traffic data by reporting country [avia_tf_acc]

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AIRCRAFT/TIME	Fuel consum ption		LTO Efs			Source = Eurostat website									
	kg fuel/ LTO	source	kg CH4/ LTO	kg N2O/ LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MODELS aircraft															
LOCKHEED--L-1011 TRISTAR aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	7.4	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
OTHER AVROLINER aircraft	600	2006 IPCC Vol2 Ch3 Table 3.6.9	0.13	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	62	3	101	:	:	1	363	:	:
OTHERS aircraft						:	5,224	2,040	2,915	3,707	5,067	7,946	7,345	6,452	3,557
AEROSPATIALE--ATR-72 ALL MODELS aircraft	200	2006 IPCC Vol2 Ch3 Table 3.6.9	0.03	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	149	336	655	657	977	1,256	2,356	3,148	1,187
AIRBUS--A-340 ALL MODELS aircraft	2020	2006 IPCC Vol2 Ch3 Table 3.6.9	0.39	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	8	:	2	:	4	4	:
BOEING--777 ALL MODELS aircraft	2560	2006 IPCC Vol2 Ch3 Table 3.6.9	0.07	0.3	2006 IPCC Vol2 Ch3 Table 3.6.9	:	58	64	40	23	26	2	3	:	:
BOEING--MD-80 aircraft	1010	2006 IPCC Vol2 Ch3 Table 3.6.9	0.19	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	3,557	3,353	7,233	7,102	3,366	387	542	502	150
DORNIER--328 aircraft	280	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	10	:	5	4	31	6	16	11	37
DOUGLAS--DC-10 ALL MODELS aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.24	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	8	:	9	:	:	:

AIRCRAFT/TIME	Fuel consum ption		LTO Efs			Source = Eurostat website									
	kg fuel/ LTO	source	kg CH4/ LTO	kg N2O/ LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
DOUGLAS--DC-8 ALL MODELS aircraft	1700	2006 IPCC Vol2 Ch3 Table 3.6.9	0.15	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	1
OTHER ANTONOV aircraft						:	611	536	566	78	:	5	:	36	:
OTHER TUPOLEV aircraft	1890	2006 IPCC Vol2 Ch3 Table 3.6.9	1.32	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	38	8	:	:	4	:	:	:	:
SAAB--340 aircraft	75.1	Emep/EEA GB 2009 Ch1A3a Annex excel file	0	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	6,107	4,900	2,481	2,374	8	104	604	513	744
AEROSPATIALE- -AS-332 aircraft						:	:	:	:	2	:	:	7	:	:
AIRBUS--A-300 ALL MODELS aircraft	1720	2006 IPCC Vol2 Ch3 Table 3.6.9	0.12	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	8	3	2	:	4	:	:	:	:
BOEING--MD-82 aircraft	1010	2006 IPCC Vol2 Ch3 Table 3.6.9	0.19	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	28	22	7	1,371	566	310	410	2	:
BRITTEN- NORMAN--BN-2 aircraft						:	3	:	:	3	:	:	:	:	:
FOKKER--50 aircraft	760	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	2	3	:	:	:	4	:

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AIRCRAFT/TIME	Fuel consum ption		LTO Efs			Source = Eurostat website									
	kg fuel/ LTO	source	kg CH4/ LTO	kg N2O/ LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
OTHER DE HAVILLAND aircraft	200	2006 IPCC Vol2 Ch3 Table 3.6.9	0	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	10	:	12	21	4	862	476	56	:
OTHER DORNIER aircraft	280	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	5	:	4	3	18	65	4	3	15
OTHER SAAB aircraft	153	Emep/EEA GB 2009 Ch1A3a Annex excel file	0.03	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	2	:	:	:	:	:	352	146	:
AIRBUS--A-310 ALL MODELS aircraft	1510	2006 IPCC Vol2 Ch3 Table 3.6.9	0.63	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	17	:	20	1,180	2,802	95	794	751	427
BAE- AVROLINER--RJ- 85 aircraft	600	2006 IPCC Vol2 Ch3 Table 3.6.9	0.13	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	13	521	834	38	60	78	25	30	:
BOEING--MD-81 aircraft	1010	2006 IPCC Vol2 Ch3 Table 3.6.9	0.19	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	1,334	1,394	26	1,667	31	52	:	8	:
BOEING--MD-83 aircraft	1010	2006 IPCC Vol2 Ch3 Table 3.6.9	0.19	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	78	4	15	67	190	296	470	159	:
BOEING--MD-88 aircraft	1010	2006 IPCC Vol2 Ch3 Table 3.6.9	0.19	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
EMBRAER--135 aircraft	310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	7	:	2	2	26	16	14	11	3

AIRCRAFT/TIME	Fuel consum ption		LTO Efs			Source = Eurostat website									
	kg fuel/ LTO	source	kg CH4/ LTO	kg N2O/ LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
FOKKER--100 aircraft	760	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	124	1,647	3,368	4,075	3,708	4,060	2,196	2,205	3,344
FOKKER--70 aircraft	760	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	2,365	1,796	2,485	2,116	2,723	1,973	1,692	2,452	743
OTHER FOKKER aircraft	760	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	71	215	183	26	8	117	3	:
TUPOLEV--TU- 134 aircraft	930	2006 IPCC Vol2 Ch3 Table 3.6.9	1.8	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	:	:	:
AEROSPATIALE- -ATR-42 ALL MODELS aircraft	200	2006 IPCC Vol2 Ch3 Table 3.6.9	0.03	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	5,783	7,379	8,329	5,701	5,220	5,622	3,514	3,393	5,088
AIRBUS--A-319 ALL MODELS aircraft	730	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	2,411	5,487	7,475	7,251	9,459	9,756	13,080	8,116	5,839
ANTONOV--AN- 32 aircraft	138	Emep/EEA GB 2009 Ch1A3a Annex excel file	0.03	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	:	:	:	2	:	:
BOEING--747 ALL MODELS aircraft	3510	2006 IPCC Vol2 Ch3 Table 3.6.9	0.27	0.4	2006 IPCC Vol2 Ch3 Table 3.6.9	:	39	12	1	4	4	7	4	2	20
DE HAVILLAND CANADA DASH 8 ALL MODELS	200	2006 IPCC Vol2 Ch3 Table 3.6.9	0	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	639	1,084	1,766	1,763	1,575	1,520	2,269	2,962	2,437

AIRCRAFT/TIME	Fuel consum ption		LTO Efs			Source = Eurostat website									
	kg fuel/ LTO	source	kg CH4/ LTO	kg N2O/ LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
aircraft															
EMBRAER--145 aircraft	310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	552	1,838	6,172	4,638	367	785	944	84	105
OTHER AIRBUS aircraft	1333.75	average of Airbus aircrafts listed here	0.20	0.15	average of Airbus aircrafts listed here	:	124	152	90	164	180	112	44	10	12
SAAB--2000 aircraft	153	Emep/EEA GB 2009 Ch1A3a Annex excel file	0.03	0.02	2006 IPCC Vol2 Ch3 Table 3.6.9	:	4,454	6,241	10,424	10,824	12,151	10,405	9,007	5,445	2,882
BOEING--MD-90 aircraft	870	2006 IPCC Vol2 Ch3 Table 3.6.9	0.01	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	18	:	:	:	2	:	:	:	:
DOUGLAS--DC-9 ALL MODELS aircraft	840	2006 IPCC Vol2 Ch3 Table 3.6.9	0.46	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	2	:	4	29	:	:	22	:	:
EMBRAER--170 aircraft	310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	148	460	870	715	767	422	1,284	843	542
OTHER BAE aircraft	570	2006 IPCC Vol2 Ch3 Table 3.6.9	0.14	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	240	3	823	1,108	894	758	108	154	13

AIRCRAFT/TIME	Fuel consumption		LTO Efs			Source = Eurostat website									
	kg fuel/ LTO	source	kg CH4/ LTO	kg N2O/ LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
OTHER BOEING aircraft	1435.33	average of Boeing aircrafts listed here	0.21	0.15	average of Boeing aircrafts listed here	:	7	34	32	37	46	37	18	:	:
OTHER CANADAI R aircraft	330	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	593	547	927	784	565	391	108	57	7
OTHER DOUGLAS aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.24	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	1	:	:	:	:	:	:	:	:
AIRBUS--A-318 ALL MODELS aircraft	730	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	617	1,642	8,205	12,125	11,126	12,077	8,520	4,657
AIRBUS--A-320 ALL MODELS aircraft	770	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	7,676	4,742	6,105	12,724	22,094	26,508	27,128	28,618	24,704
BOEING--757 ALL MODELS aircraft	1460	2006 IPCC Vol2 Ch3 Table 3.6.9	0.01	0.1	2006 IPCC Vol2 Ch3 Table 3.6.9	:	445	385	417	493	703	673	614	926	524
BOEING--767 ALL MODELS aircraft	1750	2006 IPCC Vol2 Ch3 Table 3.6.9	0.1	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	230	352	361	1,080	1,481	721	700	467	42
BOEING--MD-11 aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.24	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	:	:	:	4	:	:	:	:	:
OTHER EMBRAER aircraft	310	2006 IPCC Vol2 Ch3 Table 3.6.9	0.06	0.03	2006 IPCC Vol2 Ch3 Table 3.6.9	:	625	874	409	616	88	357	1,240	1,772	1,642

AIRCRAFT/TIME	Fuel consumption		LTO Efs			Source = Eurostat website									
	kg fuel/LTO	source	kg CH4/LTO	kg N2O/LTO	source	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
OTHER LOCKHEED aircraft	2310	2006 IPCC Vol2 Ch3 Table 3.6.9	7.4	0.2	2006 IPCC Vol2 Ch3 Table 3.6.9	:	4	3	:	1	:	:	:	:	:
UNKNOWN aircraft						:	2,894	3,294	4,267	5,424	4,811	4,290	2,015	2,241	3,436
Total aircraft						:	89,200	100,038	126,421	140,290	150,142	151,642	152,027	129,440	100,081
Total fuel consumption LTO-international		t fuel					149,085	175,438	201,982	201,615	203,952	220,469	224,197	177,197	64,091
Total CH4 emissions LTO-international		Gg CH4					0.031	0.059	0.076	0.075	0.092	0.096	0.120	0.080	0.018
Total N2O emissions LTO-international		Gg N2O					0.017	0.019	0.022	0.022	0.022	0.024	0.025	0.020	0.008
IEF CH4 LTO-national		kg CH4/t fuel					0.211	0.335	0.374	0.374	0.450	0.435	0.534	0.453	0.274
IEF N2O LTO-national		kg N2O/t fuel					0.111	0.111	0.111	0.111	0.110	0.111	0.110	0.110	0.121