

Environmental Indicators Table

Aircraft Operations	Units	2009*†	2008 *	2007*	2006	2005	2004	2003	2002	2001	2000	1999	1998
ATK	million	22,249	24,410	23,077	19,684	17,751	15,794	13,355	12,820	11,827	11,630	10,867	10,857
RTK	million	16,775	17,499	16,680	14,452	12,813	11,459	9,371	9,522	8,201	8,650	7,768	7,213
RPK	million	89,440	90,975	81,801	72,939	65,110	57,283	42,774	49,041	44,792	47,153	41,502	40,679

All Flights

Fuel Consumption	thousand tonnes	4,397	4,569	4,371	3,596	3,325	3,077	2,590	2,583	2,431	2,429	2,263	2,343
Fuel Efficiency	grammes/ATK	198	187	189	183	187	195	194	201	206	209	208	216
	improvement since 1998 %	8.4%	13.3%	12.2%	15.3%	13.2%	9.7%	10.1%	6.6%	4.8%	3.2%	3.5%	0.0%
	grammes/RTK	262	261	262	249	260	269	276	271	296	281	291	325
	improvement since 1998 %	19.3%	19.6%	19.3%	23.4%	20.1%	17.3%	14.9%	16.5%	8.7%	13.6%	10.3%	0.0%
Global CO ₂ emissions	thousand tonnes in CO ₂ e ⁽¹⁾	13,852	14,393	13,769	11,327	10,474	9,693	8,159	8,136	7,658	7,651	7,128	7,380
	grammes/ATK	623	590	597	575	590	614	611	635	647	658	656	680
	improvement since 1998 %	8.4%	13.3%	12.2%	15.3%	13.2%	9.7%	10.1%	6.6%	4.8%	3.2%	3.5%	0.0%
	grammes/RTK	826	823	825	784	817	846	871	854	934	885	918	1,023
	improvement since 1998 %	19.3%	19.6%	19.3%	23.4%	20.1%	17.3%	14.9%	16.5%	8.7%	13.6%	10.3%	0.0%
Global NOx emissions	tonnes	65,358	70,546	55,951	52,542	48,566	45,271	38,537	39,213	36,402	38,061	37,800	40,294
	grammes/ATK	3	3	2	3	3	3	3	3	3	3	3	4
	improvement since 1998 %	20.8%	22.1%	34.7%	28.1%	26.3%	22.8%	22.2%	17.6%	17.1%	11.8%	6.3%	0.0%
	grammes/RTK	4	4	3	4	4	4	4	4	4	4	5	6
	improvement since 1998 %	30.3%	27.8%	40%	34.9%	32.1%	29.3%	26.4%	26.3%	20.5%	21.2%	12.9%	0.0%
Global CO emissions	tonnes	11,422	13,436	13,077	10,959	10,190	10,056	8,873	8,268	8,062	8,751	9,827	13,982
Global HC emissions	tonnes	1,344	2,107	2,271	2,233	2,171	2,228	2,112	1,885	2,090	2,560	3,401	5,736

Passenger Flights Only

Fuel Consumption	thousand tonnes	3,476	3,627	3,217	2,825	2,646	2,404	1,953	2,074	2,050	2,068	1,953	2,007
	share of total fuel consumption %	79.0%	79.4%	73.6%	78.6%	79.6%	78.1%	75.4%	80.3%	84.3%	85.1%	86.3%	85.7%
Fuel Efficiency	grammes/RPK	39	40	39	39	41	42	46	42	46	44	47	49
	Improvement since 1998 %	21.2%	19.2%	20.3%	21.5%	17.6%	14.9%	7.5%	14.3%	7.2%	11.1%	4.6%	0.0%

(*) incorporates KA (†) Fuel consumption includes testing, training, and wet-lease flights (1) GWP of CO₂ is 1; assumes that all other GHG gases are negligible as these impacts still uncertain. This year, we have aligned the data in our Annual Report and our public reporting requirements. 1 tonne of fuel = 3.15 tonne of CO₂

Indicators	Units	2009	Indicators	Units	2009	Indicators	Units	2009
Power/Fuel			Paper & Cardboard			Disposed Materials [†]		
Electricity Consumption [†]	mWh	92,860,956	Paper consumed in offices	tonnes	1,579	Office waste disposed of	tonnes	2,079
Ground based activities fuel consumption [†]	litre		Paper & cardboard recycled ⁽¹⁾	tonnes	2,025	Food waste disposed of	tonnes	193
Mobile Combustion – Diesel		9,818	Printer Cartridges			This year, due to change in the scope of reporting, the 2009 data is not directly comparable to those of previous years.		
Mobile Combustion – Unleaded Petrol		677	Printer cartridges purchased	no.	4,874	Data covers our operations in Hong Kong (including 100% owned Hong Kong-based subsidiaries) and six outlets – Amsterdam, Bahrain, Frankfurt, Manila, Rome, and Tokyo.		
Stationary Combustion – Diesel		19,856	Printer cartridges refilled	no.	621	† Covers Hong Kong only * Covers Vogue Laundry only		
Purchased Towngas [†]	unit	119,870	Printer cartridges recycled	pcs	2,786	(1) CPCS receives significant amount of cardboard from its suppliers		
Fuel dumped due to operational reqs	tonnes	507	Refrigerants containing HFCs ⁽²⁾	kg	n/r	(2) We are unable to provide an auditable number this year. We will report on this in future reports.		
% of fuel dumped	%	0.01%	Recycled/Reused Materials			(3) Dragonair started inflight recycling on 1 August 2009		
Water			Aluminium cans recycled ⁽³⁾	kg	31,570			
Seawater consumption	m ³	8,057,000	Plastic recycled	kg	33,347			
Potable water consumption	m ³	823,928	Metal waste recycled	kg	613			
Maintenance water consumption	m ³	152,675	Waste lubrication oil recycled	litre	11,024			
			Hangers used*	no.	2,323,476			