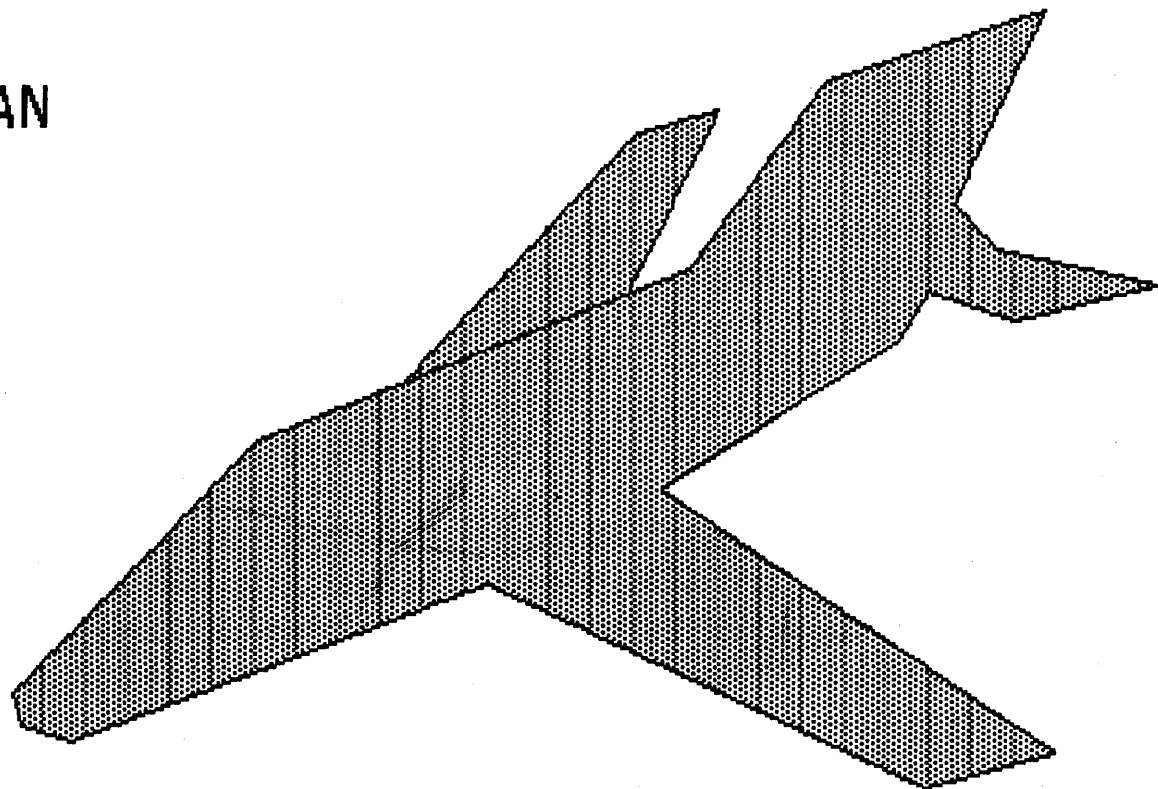


COMMISSION
OF THE EUROPEAN
COMMUNITIES



THE EUROPEAN AEROSPACE INDUSTRY
Trading Position and Figures
1989

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COMMISSION
OF THE EUROPEAN
COMMUNITIES

Directorate-General
Internal Market and Industrial Affairs

III/4100/89-EN (final)
Brussels, 16 February 1989

T H E E U R O P E A N A E R O S P A C E I N D U S T R Y

T R A D I N G P O S I T I O N A N D F I G U R E S

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(Commission Staff Working Paper)

P R E F A C E

We have the pleasure to present you with the 1989 edition of the document

"The European aerospace industry - Trading position and figures".

This document is based on the most relevant statistics available to the Commission of the European Communities on the world aerospace industry.

The Directorate-General for the **INTERNAL MARKET AND INDUSTRIAL AFFAIRS** has been compiling and collating these statistics since 1972.

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CIVIL AIR TRAFFIC

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1. The data referring to the world civil air traffic correspond to scheduled operations of airlines of I.C.A.O. States and are published in the I.C.A.O. Bulletin.
-
2. The data referring to the scheduled operations of A.E.A. member airlines, according to the A.E.A. Annual Report, are broken down between:
 - **domestic traffic.....**: civil air traffic within the national frontiers of the A.E.A. reporting carrier's country of registration
 - **Intra-European traffic....**: international civil air traffic between Europe (including Turkey and USSR up to 55°E), North Africa (Algeria, Morocco and Tunisia) and the Middle East (Bahrain, Cyprus, Egypt, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Saudi Arabia, Sudan, Syria, United Arab Emirates, Yemen and the Democratic Republic of Yemen).
 - **Intercontinental traffic..**: other international civil air traffic
-

WORLD SCHEDULED TRAFFIC (INCLUDING USSR)

	PASSENGERS (BILLIONS)				FREIGHT (MIOS)			
	CARRIED PASSENGERS	REVENUE PASSENGERS / KM	AVAILABLE SEATS-KM	LOAD FACTOR	TONS CARRIED	TONS/KM		
						TOTAL	FREIGHT	MAIL
1975	0.534	697	1,179	59 %	8.7	22,270	87.0 %	13.0 %
1980	0.748	1,089	1,724	63 %	11.1	33,060	88.9 %	11.1 %
1981	0.752	1,119	1,757	64 %	10.9	34,670	89.1 %	10.9 %
1982	0.766	1,142	1,795	64 %	11.6	35,410	89.1 %	10.9 %
1983	0.798	1,190	1,852	64 %	12.3	39,110	89.8 %	10.2 %
1984	0.847	1,277	1,971	65 %	13.4	43,940	90.2 %	9.8 %
1985	0.898	1,366	2,079	66 %	13.7	44,200	90.1 %	9.9 %
1986	0.958	1,451	2,233	65 %	14.7	47,710	90.5 %	9.5 %
1987	1.025	1,586	2,365	67 %	16.0	52,930	91.1 %	8.9 %
1988	1.068	1,689	2,502	68 %	17.5	57,770	91.6 %	8.4 %

ANNUAL GROWTH RATE (IN %)

	PASSENGERS				FREIGHT			
	CARRIED PASSENGERS	REVENUE PASSENGERS / KM	AVAILABLE SEATS-KM		TONS CARRIED	TONS/KM		
						TOTAL	FREIGHT	MAIL
1975	3.7	6.3	6.4	-	0.0	1.7	1.8	0.7
1980	0.8	2.7	7.3	-	0.9	5.2	4.9	7.3
1981	0.5	2.8	1.9	-	1.8	4.9	5.1	3.0
1982	1.9	2.1	2.2	-	6.4	2.1	2.1	2.1
1983	4.2	4.2	3.2	-	6.0	10.4	11.3	3.4
1984	6.1	7.3	6.4	-	8.9	12.3	12.9	7.5
1985	6.0	7.0	5.5	-	2.2	0.6	0.4	2.1
1986	6.7	6.2	7.4	-	7.3	7.9	8.5	3.2
1987	7.0	9.3	5.9	-	8.8	10.9	11.7	3.5
1988	4.2	6.5	5.8	-	9.4	9.1	9.7	3.0

BREAKDOWN OF WORLD SCHEDULED TRAFFIC

REVENUE PASSENGERS/KM (BILLION)

	TOTAL	BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)			
		AEA	USA	USSR	REST OF THE WORLD
1975....	697	16.2	37.6	17.6	28.6
1980....	1,089	14.9	37.6	14.7	32.8
1981....	1,119	15.1	35.4	15.3	34.2
1982....	1,142	14.9	35.8	15.1	34.2
1983....	1,190	14.2	37.3	14.8	33.6
1984....	1,277	14.1	37.6	14.4	34.0
1985....	1,366	14.1	38.9	13.7	33.2
1986....	1,451	13.4	40.2	13.4	33.0
1987....	1,586	13.8	40.8	12.7	32.7

REVENUE PASSENGERS/KM (ANNUAL GROWTH RATE - AS %)

	TOTAL	AEA	USA	USSR	REST OF THE WORLD
1975....	6.3	5.3	0.1	12.7	12.2
1980....	2.7	1.9	0.6	6.4	5.6
1981....	2.8	4.2	3.2	6.9	7.1
1982....	2.1	0.4	3.4	0.5	2.1
1983....	4.2	0.3	8.5	2.4	2.4
1984....	7.3	6.6	7.9	4.0	8.4
1985....	7.0	6.8	10.9	2.3	4.7
1986....	6.2	0.8	9.7	3.6	5.5
1987....	9.3	13.0	10.9	3.4	8.2

ECC - DG III / SOURCE: ICAO AND AEA

AEA AIRLINES TRAFFIC

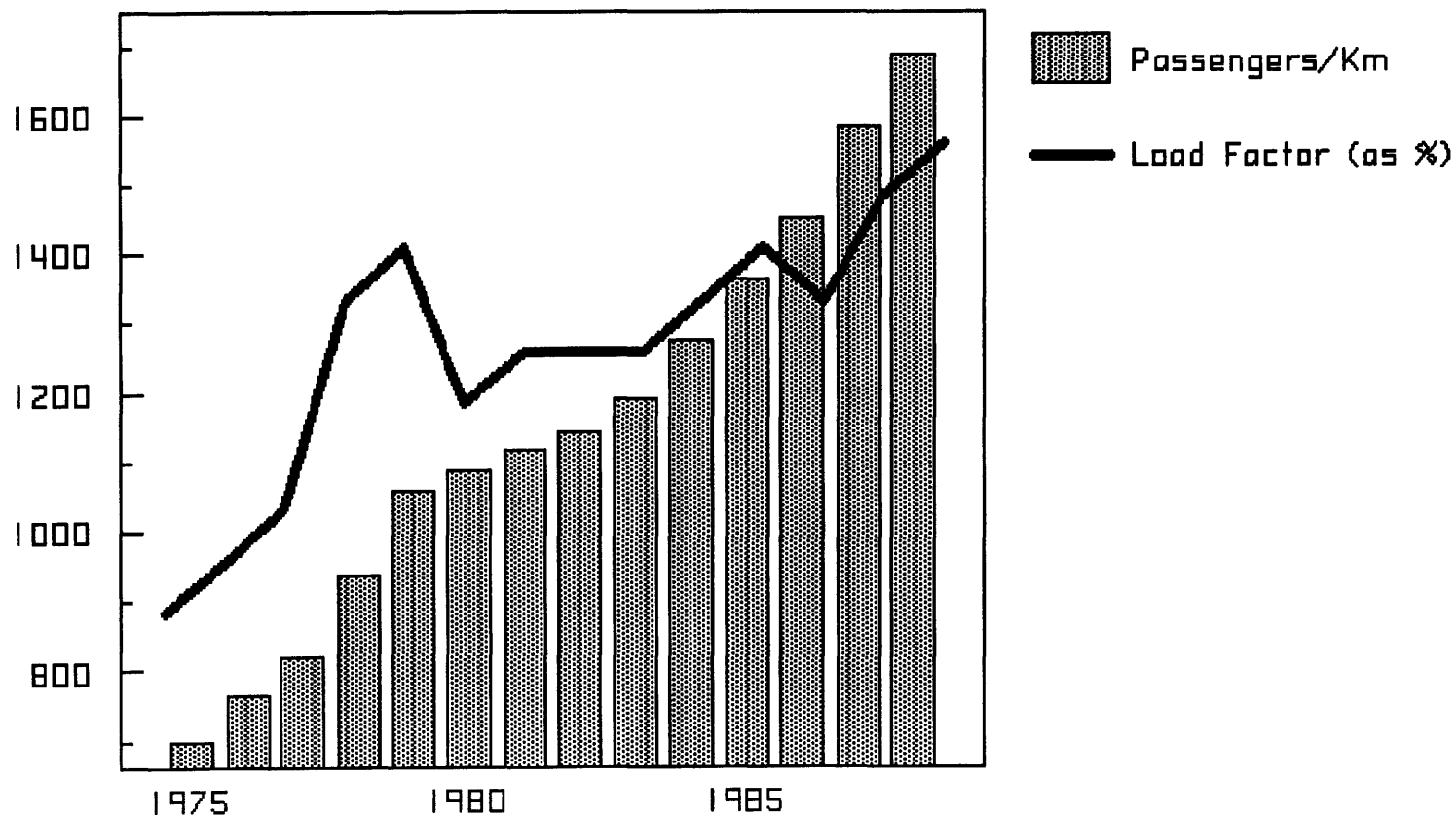
	REVENUE PASSENGERS/KM (BILLION)			AVAILABLE SEATS-KM (BILLION)			LOAD FACTOR (AS %)		
	DOMESTIC	INTRA-EUROPEAN	INTER-CONTINENTAL	DOMESTIC	INTRA-EUROPEAN	INTER-CONTINENTAL	DOMESTIC	INTRA-EUROPEAN	INTER-CONTINENTAL
1970..	-	22.0	44.6	-	41.3	84.5	-	53.3	52.8
1975..	-	34.4	78.7	-	62.6	138.7	-	55.0	56.7
1980..	19.3	48.1	114.2	30.2	86.3	185.1	63.9	55.8	61.7
1981..	19.8	49.4	119.7	29.9	84.9	185.3	66.2	58.2	64.6
1982..	20.7	49.2	120.6	31.3	85.7	185.6	66.3	57.4	64.9
1983..	21.7	49.1	120.1	33.0	85.6	184.2	65.9	57.4	65.2
1984..	22.3	53.4	127.1	32.8	89.5	187.2	67.8	59.6	67.9
1985..	22.9	57.2	135.5	34.0	93.7	199.2	67.2	61.1	68.0
1986..	23.8	57.0	137.3	35.3	96.8	208.3	67.5	58.8	65.9
1987..	26.5	63.6	156.0	37.4	101.0	222.5	70.9	62.9	70.1

ANNUAL GROWTH RATE (%)

	REVENUE PASSENGERS/KM			AVAILABLE SEATS-KM		
	DOMESTIC	INTRA-EUROPEAN	INTER-CONTINENTAL	DOMESTIC	INTRA-EUROPEAN	INTER-CONTINENTAL
1970..						
1975..	-	8.4	4.0	-	5.6	3.7
1980..	-2.3	-3.3	4.3	1.9	2.6	9.4
1981..	2.6	2.7	4.8	-1.0	-1.7	0.1
1982..	4.5	-0.5	0.7	4.4	1.0	0.2
1983..	4.9	-0.2	-0.4	5.5	-0.1	-0.8
1984..	2.4	8.6	5.8	-0.6	4.5	1.7
1985..	2.8	7.3	6.6	3.8	4.8	6.4
1986..	4.2	-0.5	1.3	3.6	3.3	4.5
1987..	11.1	11.6	13.6	5.9	4.3	6.8

WORLD SCHEDULED TRAFFIC

(billion)



ECC - DG III / Source: ICAO

COMMERCIAL AIRCRAFT

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1. The figures relating to the civil jet aircraft orders and deliveries and backlogs (aircraft ordered but not yet delivered) (in units) are provided by AIRBUS INDUSTRIE.

2. The figures relating to the civil transport aircraft fleet and deliveries are provided by AEROSPATIALE, and cover almost all the civil transport aircraft produced in the western world. The origin of these statistics is the "Etat des flottes commerciales", database on civil transport aircraft of more than 18 seats.

The statistics relate to civil transport aircraft. Therefore, civil transport aircraft used by public authorities are included, while such aircraft may also be included in the statistics relating to military aircraft which are given in chapter 4.

The civil transport aircraft breakdown is carried out using the following criteria:

- aircraft category

- CC short-haul turboprop
- MC short- and medium-haul jet
- LC long-haul jet

- design origin

- Europe
- USA
- rest of the world

The geographical areas are defined as follows:

- EC 12
- Other Europe: Austria, Finland, Gibraltar, Iceland, Malta, Norway, Romania, Sweden, Switzerland and Yugoslavia
- USA
- Rest of the world

For each category of civil transport aircraft, the tables show aircraft in service at 31.12 and aircraft deliveries as follows:

- the number of aircraft,
- the number of seats,
- the present value which is estimated using a linear depreciation on 20 years and the following value per seat (in 1987 \$):
 - \$155,000 for the CC (short-haul turboprops),
 - \$210,000 for the MC (short- and medium-haul jets),
 - \$246,000 for the LC (long-haul jets).

For each category of civil transport aircraft, the following tables are given:

- absolute value,
- geographical breakdown of total aircraft (as % of world total),
- market share of EC 12-built aircraft (as % of total - in each geographical area),
- geographical breakdown of EC 12-built aircraft (as % of total EC 12-built aircraft).

A list of civil transport aircraft and their categories is given in the following pages.

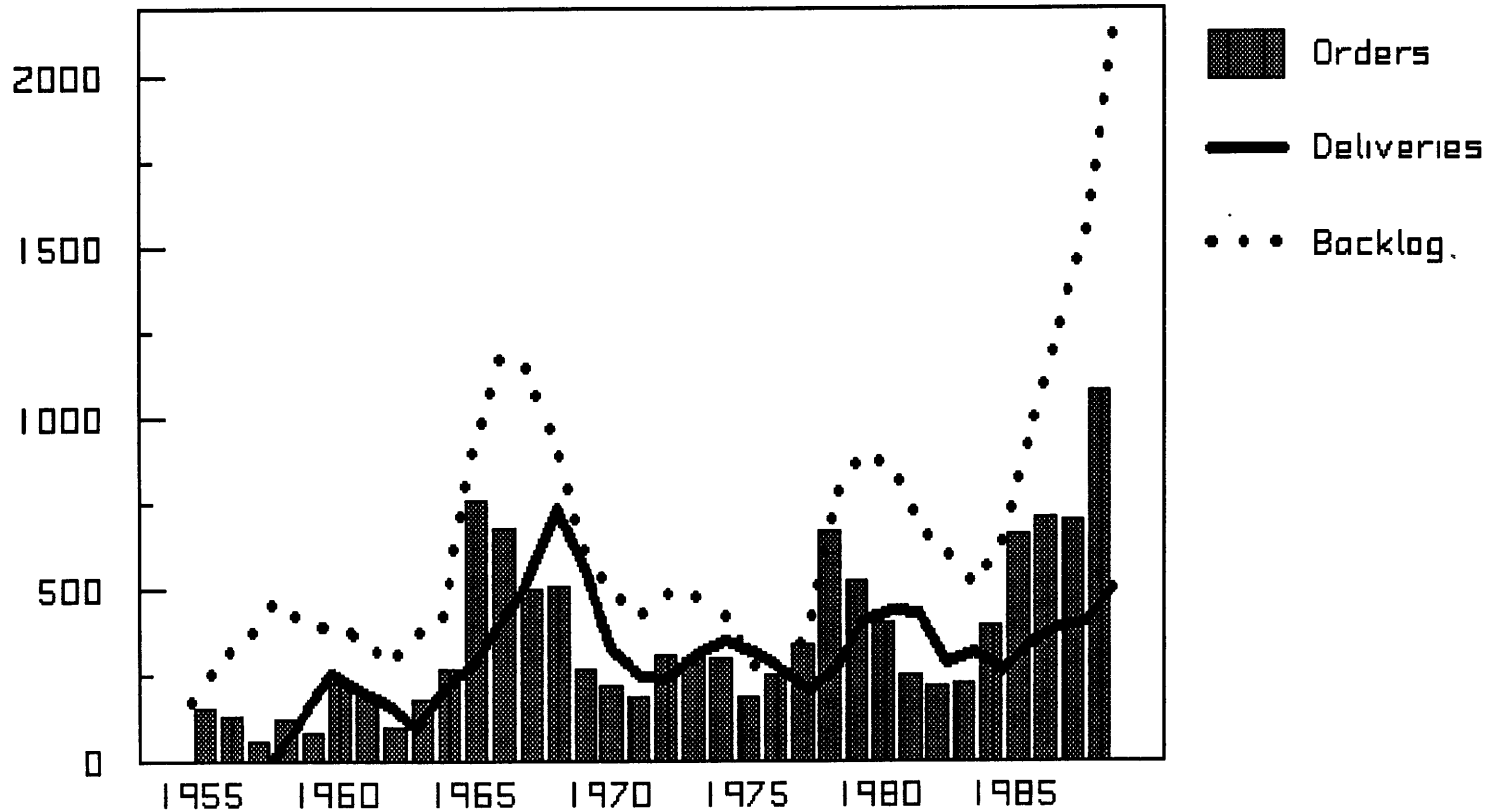
SHORT-HAUL CIVIL TRANSPORT AIRCRAFT			SHORT/MEDIUM-HAUL CIVIL TRANSPORT AIRCRAFT		
MODEL	DESIGN	SEATS	MODEL	DESIGN	SEATS
ARGOSY	EUROPE	80	A 300	EUROPE	260
ATR 42	EUROPE	46	A 310	EUROPE	216
ATR 72	EUROPE	66	A 320	EUROPE	150
BAE ATP	EUROPE	64	A 330	EUROPE	328
BANDEIRANTE	OTHER	17	BAC 111	EUROPE	92
BEECH 1900	USA	19	BAE 146	EUROPE	95
BRASILIA	OTHER	30	BELFAST	EUROPE	200
CASA NC 212	EUROPE	19	BRITANNIA	EUROPE	200
CASA 212	EUROPE	19	B 720	USA	150
CN 235	EUROPE	38	B 727	USA	151
CV 580	USA	51	B 737-300	USA	125
CV 600	USA	51	B 737	USA	115
CV 640	USA	51	B 747-SR	USA	530
DHC-6	OTHER	18	B 757	USA	189
DHC-7	OTHER	50	B 767	USA	211
DHC-8	OTHER	36	CARAVELLE	EUROPE	100
DO 228	EUROPE	19	CL 44	EUROPE	160
FH 227	EUROPE	46	CV 880	USA	120
FH 27	EUROPE	46	CV 990	USA	120
FOKKER 50	EUROPE	50	DC 10-10	USA	259
FOKKER 27	EUROPE	46	DC 10-10 CF	USA	259
HERALD	EUROPE	50	DC 10-15	USA	259
HS 748	EUROPE	46	DC 9	USA	110
JETSTREAM	EUROPE	19	ELECTRA	USA	78
METRO II	USA	19	FOKKER 100	EUROPE	100
METRO III	USA	19	FOKKER 28	EUROPE	76
NORD 262	EUROPE	27	GULFSTREAM	USA	37
SD 330	EUROPE	30	HERCULES	EUROPE	120
SD 360	EUROPE	36	MD 80	USA	144
SF 340	EUROPE	35	MERCURE	EUROPE	150
VFW 614	EUROPE	36	TRANSALL	EUROPE	120
VISCOUNT	EUROPE	69	TRIDENT	EUROPE	118
YS 11A	OTHER	61	TRISTAR L1011-1	USA	288
			TRISTAR L1011-100	USA	288
			VANGUARD	EUROPE	140

LONG-HAUL CIVIL TRANSPORT AIRCRAFT

MODEL	DESIGN	SEATS
A 340	EUROPE	295
B 707	USA	155
B 747 SP	USA	267
B 747 M	USA	440
B 747	USA	407
COMET	EUROPE	80
CONCORDE	EUROPE	100
DC 10-30	USA	259
DC 10-30CF	USA	259
DC 10-30ER	USA	259
DC 10-30F	USA	259
DC 10-40	USA	259
DC 8	USA	190
MD 11	USA	287
TRISTAR L1011-200	USA	250
TRISTAR L1011-50	USA	250
TRISTAR L1011-500	USA	250
VC 10	EUROPE	120
VC 10 SUPER	EUROPE	120

CIVIL JET AIRCRAFT

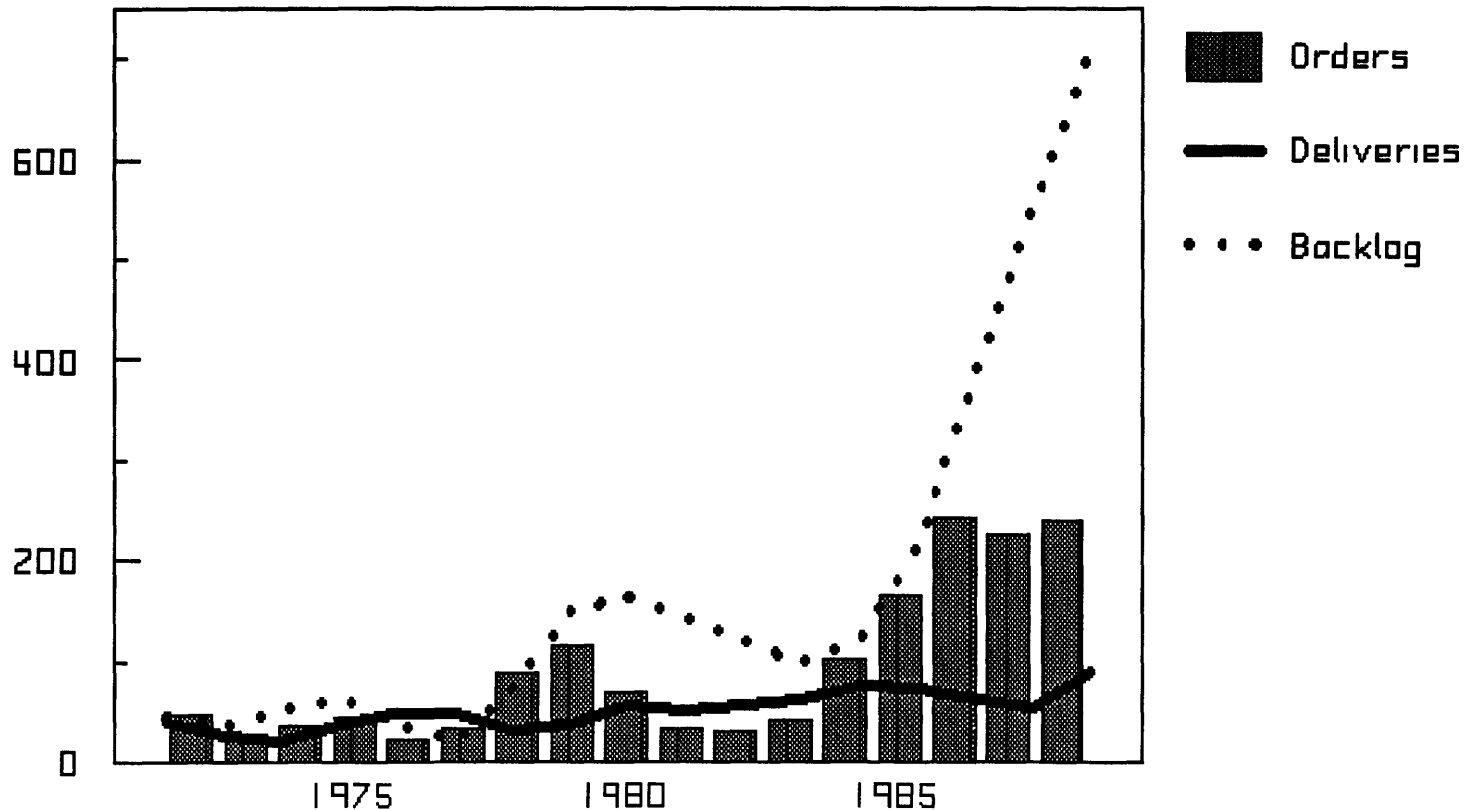
(UNITS)



ECC - DG III / Source: AIRBUS

EC-12 DESIGNED CIVIL JET AIRCRAFT

(UNITS)



ECC - DG III / Source: AIRBUS

CIVIL AIRCRAFT ORDERED (UNITS)

	BEFORE 1975	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1975- 1988	GRAND TOTAL
A-300	17	15	1	20	69	64	36	15	3		11	24	7	29	21	315	332
A-310						37	10	4	2	10	12	35	19	27	24	180	180
A-320											51	39	146	58	116	410	410
A-330														12	3	15	15
A-340														68	3	71	71
AIRBUS	17	15	1	20	69	101	46	19	5	10	74	98	172	194	167	991	1,008
BAC 111	215	5	2		5	3					2					17	232
BAE 146								4	4	24	9	16	21	31	40	149	149
TRIDENT	117																117
MERCURE	10									1						1	11
CONCORDE	9					1	3	1								5	14
F. 28	82	22	12	12	13	10	20	10	22	7	9	20	2			159	241
F. 100											8	30	48		32	118	118
VFW 614	2	2	6													8	10
EUROPE	452	44	21	32	87	115	69	34	31	42	102	164	243	225	239	1,448	1,900
B-707	749	4	4	4		1			1							14	763
B-727	1,194	50	113	133	125	98	68	38	11	1						637	1,831
B-737	428	35	39	37	145	74	98	122	72	64	130	282	211	183	344	1,836	2,264
B-747	281	20	14	42	76	75	49	23	14	24	21	38	81	76	49	602	883
B-757					38		64	3	2	26	2	45	13	46	161	400	400
B-767					66	47	13	7	2	16	15	21	23	57	82	349	349
BOEING	2,652	109	170	216	450	295	292	193	102	131	168	386	328	362	636	3,838	6,490
DC-9	823	27	25	28	39	26	6	2								153	976
MD-80				23	27	22	12	16	86	42	110	102	106	78	155	779	779
MD-87											6	4	15	14	28	67	67
DC-10	216	9	16	34	43	34	11	3		2	6	3	5	2	2	170	386
MD-11													11	20	24	55	55
MC DD	1,039	36	41	85	109	82	29	21	86	44	122	109	137	114	209	1,224	2,263
L. 1011	148		14	5	25	33	14	5		5						101	249
TOTAL	4,291	189	246	338	671	525	404	253	219	222	392	659	708	701	1,084	6,611	10,902

ECC - DG 111 / SOURCE: AIRBUS

CIVIL AIRCRAFT ORDERED (UNITS)

MARKET SHARE OF EC 12 BUILT AIRCRAFT (AS % OF WORLD TOTAL)

	ANTE 1975	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1975- 1988	GRAND TOTAL
SHORT/MEDIUM HAUL	15	28	11	13	17	30	20	15	15	22	28	27	40	29	23	25	21
..... NARROW	15	21	10	5	5	6	7	7	13	19	24	20	39	22	21	18	17
..... WIDE	100	100	100	100	51	68	78	73	71	38	61	74	53	54	37	59	60
LONG HAUL	1	0	0	0	0	1	4	3	0	0	0	0	0	41	4	7	4
..... NARROW	1	0	0	0	-	50	100	100	0	-	-	-	-	-	-	26	2
..... WIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	41	4	7	4
TOTAL	11	23	9	9	13	22	17	13	14	19	26	25	34	32	22	22	17
..... NARROW	12	20	10	5	5	6	8	8	13	19	24	20	39	22	21	18	16
..... WIDE	3	34	2	20	25	35	35	33	24	18	35	49	18	47	25	31	24

BREAKDOWN INTO CATEGORIES (AS % OF WORLD TOTAL)

	ANTE 1975	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1975- 1988	GRAND TOTAL
SHORT/MEDIUM HAUL	67	83	80	75	79	73	81	87	93	86	93	94	86	76	93	85	78
..... NARROW	67	75	80	69	58	44	66	77	90	74	83	82	79	58	81	72	70
..... WIDE	0	8	0	6	20	28	15	10	3	12	10	12	7	18	12	13	8
LONG HAUL	33	17	20	25	21	27	19	13	7	14	7	6	14	24	7	15	22
..... NARROW	18	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	7
..... WIDE	15	15	18	24	21	27	18	12	6	14	7	6	14	24	7	15	15
TOTAL	85	77	82	70	58	45	67	77	90	74	83	82	79	58	81	72	77
..... NARROW	15	23	18	30	42	55	33	23	10	26	17	18	21	42	19	28	23

ECC - DG 111 / SOURCE: AIRBUS

CIVIL AIRCRAFT DELIVERED (UNITS)

	BEFORE 1975	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1975- 1988	GRAND TOTAL
A-300	5	9	13	16	16	25	37	37	46	19	19	16	11	10	17	291	296
A-310										17	29	26	19	21	28	140	140
A-320															16	16	16
A-330																	
A-340																	
AIRBUS	5	9	13	16	16	25	37	37	46	36	48	42	30	31	61	447	452
BAC 111	213	2		6	3		3	2	1		1		1			19	232
BAE 146										10	11	18	22	23	22	106	106
TRIDENT	91	6	9	7	4											26	117
MERCURE	10											1				1	11
CONCORDE		1	6	2		1	3	1								14	14
F.28	71	20	17	13	11	12	14	12	10	18	17	13	11	2		170	241
F.100															8	8	8
VFW 614		1	4	5												10	10
EUROPE	390	39	49	49	34	38	57	52	57	64	77	74	64	56	91	801	1,191
B-707	739	7	9	3	3	1			1							24	763
B-727	1,088	91	61	67	118	136	131	94	26	11	8					743	1,831
B-737	389	51	41	25	40	77	92	108	95	82	67	115	141	161	165	1,260	1,649
B-747	247	21	27	20	32	67	73	53	25	23	16	24	35	23	24	463	710
B-757									2	25	18	36	35	40	48	204	204
B-767									20	55	29	25	27	37	53	246	246
BOEING	2,463	170	138	115	193	281	296	255	169	196	138	200	238	261	290	2,940	5,403
DC-9	757	42	50	22	22	39	18	16	10							219	976
MD-80							5	62	34	50	44	71	86	92	107	551	551
MD-87														3	14	17	17
DC-10	169	43	19	14	18	36	40	19	5	4	2		5	3	8	216	385
MD-11																	
MC DD	926	85	69	36	40	75	63	97	49	54	46	71	91	98	129	1,003	1,929
L.1011	97	25	16	11	8	14	24	28	14	6	4	2				152	249
TOTAL	3,876	319	272	211	275	408	440	432	289	320	265	347	393	415	510	4,896	8,772

ECC - DG 111 / SOURCE: AIRBUS

CIVIL AIRCRAFT DELIVERED (UNITS)

MARKET SHARE OF EC 12 BUILT AIRCRAFT (AS % OF WORLD TOTAL)

	ANTE 1975	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1975- 1988	GRAND TOTAL
SHORT/MEDIUM HAUL	15	17	22	29	16	13	18	15	23	22	32	23	18	14	19	20	18
..... NARROW	15	14	16	21	9	5	6	5	6	14	17	13	11	8	12	11	12
..... WIDE	100	100	100	100	100	100	100	100	70	40	62	63	53	46	46	64	64
LONG HAUL	0	1	8	4	0	1	2	1	0	0	0	0	0	0	0	2	1
..... NARROW	0	13	40	40	0	50	100	100	0	-	-	-	-	-	-	37	2
..... WIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	10	12	18	23	12	9	13	12	20	20	29	21	16	13	18	16	14
..... NARROW	11	14	18	22	9	5	8	5	6	14	17	13	11	8	12	11	11
..... WIDE	1	9	17	26	22	18	21	27	42	29	48	45	31	33	35	29	22

BREAKDOWN INTO CATEGORIES (AS % OF WORLD TOTAL)

	ANTE 1975	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1975- 1988	GRAND TOTAL
SHORT/MEDIUM HAUL	68	70	72	76	78	71	68	77	84	90	92	93	90	94	94	82	76
..... NARROW	68	67	67	69	72	65	60	68	62	61	63	73	75	77	75	68	68
..... WIDE	0	3	5	8	6	6	8	9	23	28	29	19	15	16	19	14	8
LONG HAUL	32	30	28	24	22	29	32	23	16	10	8	7	10	6	6	18	24
..... NARROW	19	3	6	2	1	0	1	0	0	0	0	0	0	0	0	1	9
..... WIDE	13	28	23	21	21	29	31	23	15	10	8	7	10	6	6	17	15
TOTAL	87	69	72	71	73	65	60	68	62	61	63	73	75	77	75	69	77
..... NARROW	13	31	28	29	27	35	40	32	38	39	37	27	25	23	25	31	23
..... WIDE																	

ECC - DG III / SOURCE: AIRBUS

CIVIL AIRCRAFT BACKLOG (UNITS)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
A-300	18	6	10	63	102	101	79	36	17	9	17	13	32	36
A-310					37	47	51	53	46	29	38	38	44	40
A-320										51	90	236	294	394
A-330													12	15
A-340													68	71
AIRBUS	18	6	10	63	139	148	130	89	63	89	145	287	450	556
BAC 111	5	7	1	3	6	3	1			1	1			
BAE 146							4	8	22	20	18	17	25	43
TRIDENT	20	11	4											
MERCURE									1	1				
CONCORDE	8	2												
F.28	13	8	7	9	7	13	11	23	12	4	11	2		
F.100										8	38	86	86	110
VFW 614	3	5												
EUROPE	67	39	22	75	152	164	146	120	98	123	213	392	561	709
B-707	7	2	3											
B-727	65	117	183	190	152	89	33	18	8					
B-737	23	21	33	138	135	141	155	132	114	177	344	414	436	615
B-747	33	20	42	86	94	70	40	29	30	35	49	95	148	173
B-757				38	38	102	105	105	106	90	99	77	83	196
B-767				66	113	126	133	115	76	62	58	54	74	103
BOEING	128	160	261	518	532	528	466	399	334	364	550	640	741	1,087
DC-9	51	26	32	49	36	24	10							
MD-80			23	50	72	79	33	85	77	143	174	194	180	228
MD-87										6	10	25	36	50
DC-10	13	10	30	55	53	24	8	3	1	5	8	8	7	1
MD-11												11	31	55
MC DD	64	36	85	154	161	127	51	88	78	154	192	238	254	334
L.1011	26	24	18	35	54	44	21	7	6	2				
TOTAL	285	259	386	782	899	863	684	614	516	643	955	1,270	1,556	2,130

ECC - DG III / SOURCE: AIRBUS

CIVIL AIRCRAFT BACKLOG (UNITS)

MARKET SHARE OF EC 12 BUILT AIRCRAFT (AS % OF WORLD TOTAL)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
SHORT/MEDIUM HAUL	30	18	8	12	22	23	24	21	20	20	24	34	38	35
..... NARROW	23	16	4	3	3	4	5	8	10	17	20	32	36	33
..... WIDE	100	100	100	49	55	54	49	44	45	38	49	49	54	47
LONG HAUL	9	3	0	0	0	0	0	0	0	0	0	0	27	24
..... NARROW	53	50	0	-	-	-	-	-	-	-	-	-	-	-
..... WIDE	0	0	0	0	0	0	0	0	0	0	0	0	27	24
TOTAL	24	15	6	10	17	19	21	20	19	19	22	31	36	33
..... NARROW	25	17	4	3	3	4	5	8	10	17	20	32	36	33
..... WIDE	20	10	10	21	31	36	39	37	36	27	32	23	38	33

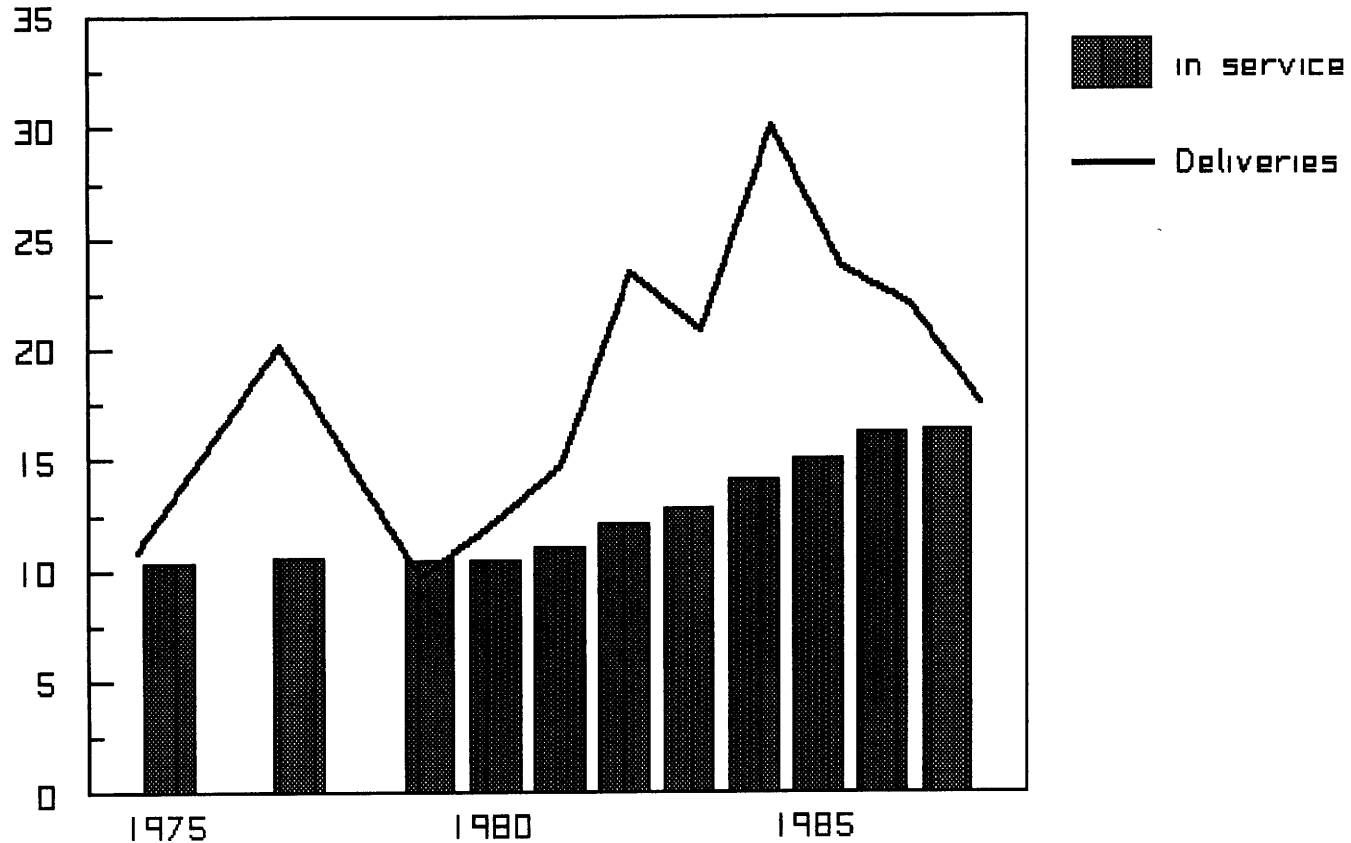
BREAKDOWN INTO CATEGORIES (AS % OF WORLD TOTAL)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
SHORT/MEDIUM HAUL	69	78	76	77	78	84	90	94	93	93	94	91	84	86
..... NARROW	63	75	73	61	50	52	51	60	66	78	82	83	73	77
..... WIDE	6	2	3	16	28	32	38	33	27	16	12	8	10	9
LONG HAUL	31	22	24	23	22	16	10	6	7	7	6	9	16	14
..... NARROW	5	2	1	0	0	0	0	0	0	0	0	0	0	0
..... WIDE	25	21	23	23	22	16	10	6	7	7	6	9	16	14
TOTAL	68	77	74	61	50	52	51	60	66	78	82	83	73	77
..... NARROW	32	23	26	39	50	48	49	40	34	22	18	17	27	23
..... WIDE														

ECC - DG III / SOURCE: AIRBUS

CIVIL AIRCRAFT (value)

EC-12 Market Share

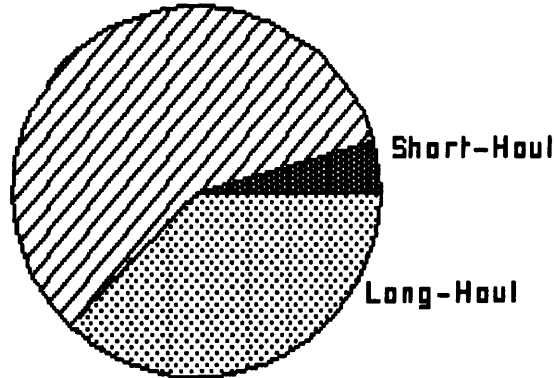


ECC - DG III / Source: AEROSPATIALE

CIVIL AIRCRAFT ORDERS

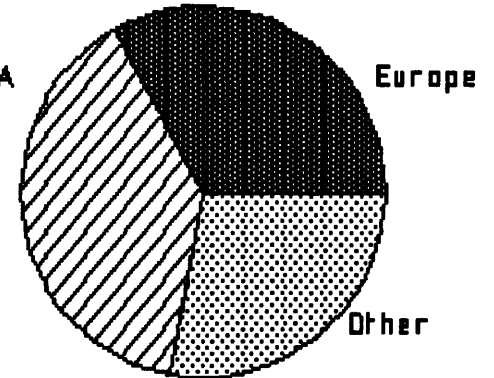
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Medium-Haul



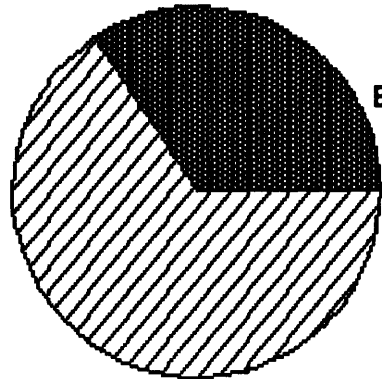
BREAKDOWN BY TYPE

USA



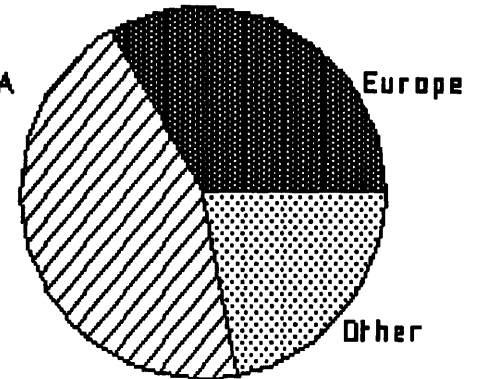
BREAKDOWN BY AREA

EC-12



EC-12 MARKET SHARE

USA



EC-12 MARKETS

TOTAL AIRCRAFT ORDERS

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	348	96	883	528	1,855
1987.....	498	112	945	575	2,130

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	520.0	112.0	1,159.0	722.0	2,515.0
1987.....	891.0	148.0	1,285.0	888.0	3,212.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	1,145.2	225.5	2,466.3	1,591.6	5,427.5
1987.....	1,750.6	270.5	2,380.7	1,693.9	6,099.1

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT ORDERS : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	18.8	5.2	47.6	28.5
1987.....	23.4	5.3	44.4	27.0

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	20.7	4.5	46.1	28.7
1987.....	27.7	4.6	40.0	27.6

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	21.1	4.2	45.4	29.3
1987.....	28.7	4.4	39.0	27.8

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT ORDERS : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	44.3	44.8	30.6	38.4	36.1
1987.....	43.8	47.3	41.1	45.7	43.3

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	32.1	32.1	27.3	24.2	27.6
1987.....	36.3	33.1	39.6	30.0	35.7

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	29.1	29.6	26.8	21.5	25.9
1987.....	35.0	31.0	39.2	27.2	34.3

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT ORDERS : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	23.0	6.4	40.3	30.3
1987.....	23.6	5.7	42.1	28.5

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	24.0	5.2	45.5	25.2
1987.....	28.2	4.3	44.4	23.2

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	23.7	4.8	47.1	24.4
1987.....	29.3	4.0	44.7	22.0

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT ORDERS : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	78	24	116	231	449
1987.....	84	23	185	217	509

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	30.0	11.0	39.0	84.0	164.0
1987.....	33.0	11.0	67.0	85.0	196.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	47.9	17.0	58.5	132.0	254.3
1987.....	45.4	13.1	89.9	115.2	264.4

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT ORDERS : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	17.4	5.3	25.8	51.4
1987.....	16.5	4.5	36.3	42.6

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	18.3	6.7	23.8	51.2
1987.....	16.8	5.6	34.2	43.4

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	18.8	6.7	23.0	51.9
1987.....	17.2	5.0	34.0	43.6

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT ORDERS : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	83.3	100.0	42.2	54.5	58.8
1987.....	76.2	95.7	44.9	69.6	62.9

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	90.0	100.0	48.7	58.3	64.6
1987.....	84.8	90.9	52.2	74.1	69.4

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	88.9	100.0	49.1	58.1	64.9
1987.....	82.7	100.0	52.4	74.2	69.3

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT ORDERS : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	24.6	9.1	18.6	47.7
1987.....	20.0	6.9	25.9	47.2

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	25.5	10.4	17.9	46.2
1987.....	20.6	7.4	25.7	46.3

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	25.8	10.3	17.4	46.5
1987.....	20.5	7.1	25.7	46.7

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT ORDERS : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	224	69	749	215	1,257
1987.....	285	77	695	264	1,321

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	314.0	95.0	1,051.0	348.0	1,809.0
1987.....	411.0	102.0	1,005.0	434.0	1,952.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	662.5	199.1	2,234.3	736.6	3,832.6
1987.....	746.1	185.9	1,836.1	790.6	3,560.5

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT ORDERS : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	17.8	5.5	59.6	17.1
1987.....	21.6	5.8	52.6	20.0

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	17.4	5.3	58.1	19.2
1987.....	21.1	5.2	51.5	22.2

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	17.3	5.2	58.3	19.2
1987.....	21.0	5.2	51.6	22.2

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN EGUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT ORDERS : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	39.7	24.6	29.5	35.8	32.1
1987.....	38.9	40.3	41.0	40.5	40.4

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	44.6	24.2	28.3	36.2	32.4
1987.....	40.9	38.2	41.3	43.3	41.5

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	43.9	25.0	28.3	36.1	32.3
1987.....	40.6	38.0	41.4	43.4	41.5

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT ORDERS : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	22.0	4.2	54.7	19.1
1987.....	20.8	5.8	53.4	20.0

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	23.9	3.9	50.6	21.5
1987.....	20.7	4.8	51.2	23.2

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	23.4	4.0	51.1	21.5
1987.....	20.5	4.8	51.4	23.2

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT ORDERS : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	46	3	18	82	149
1987.....	129	12	65	94	300

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	176.0	6.0	69.0	290.0	542.0
1987.....	447.0	35.0	213.0	369.0	1,064.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	434.8	9.3	173.5	723.0	1,340.6
1987.....	959.1	71.6	454.7	788.0	2,274.2

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT ORDERS : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	30.9	2.0	12.1	55.0
1987.....	43.0	4.0	21.7	31.3

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	32.5	1.1	12.7	53.5
1987.....	42.0	3.3	20.0	34.7

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	32.4	0.7	12.9	53.9
1987.....	42.2	3.1	20.0	34.7

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT ORDERS : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	0.0	66.7	0.0	0.0	1.3
1987.....	33.3	0.0	30.8	5.3	22.7

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	0.0	33.3	0.0	0.0	0.4
1987.....	28.4	0.0	27.7	4.1	18.9

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1986.....	0.0	0.0	0.0	0.0	0.0
1987.....	28.4	0.0	27.8	4.0	18.9

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT ORDERS : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	0.0	100.0	0.0	0.0
1987.....	63.2	0.0	29.4	7.4

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	0.0	100.0	0.0	0.0
1987.....	63.2	0.0	29.4	7.5

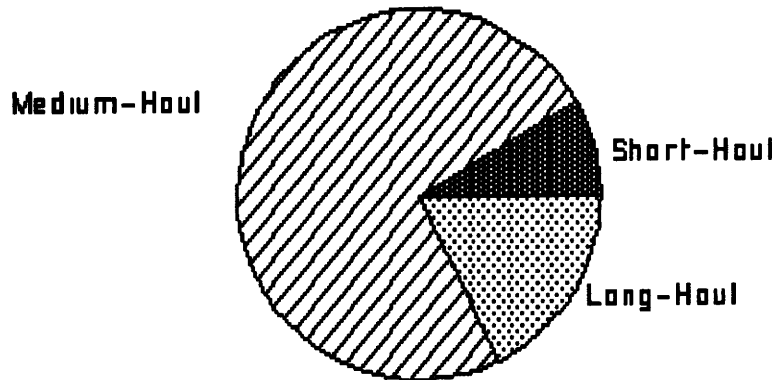
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	EC 12	OTHER EUROPE	USA	OTHER WORLD
1986.....	0.0	0.0	0.0	0.0
1987.....	63.3	0.0	29.4	7.3

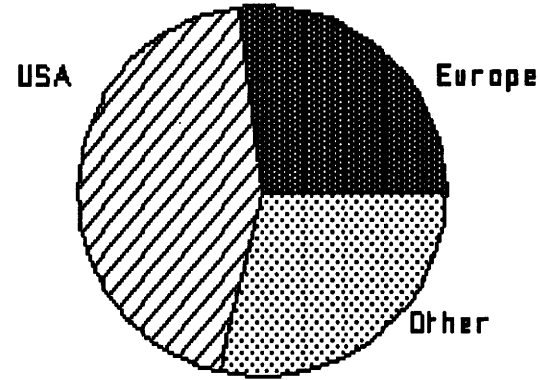
ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

CIVIL AIRCRAFT DELIVERIES

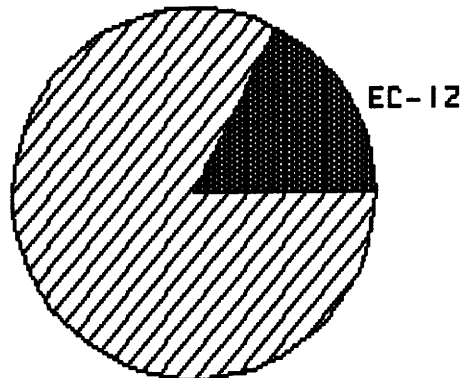
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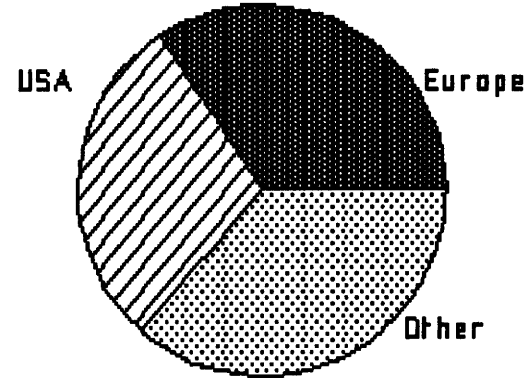
BREAKDOWN BY TYPE



BREAKDOWN BY AREA



EC-12 MARKET SHARE



EC 12 MARKETS

TOTAL AIRCRAFT DELIVERIES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	104	25	113	243	485
1980.....	159	26	277	275	737
1981.....	139	41	246	284	710
1982.....	73	16	198	226	513
1983.....	88	23	240	170	521
1984.....	81	18	275	158	532
1985.....	86	35	373	174	668
1986.....	81	54	383	172	690
1987.....	159	40	400	174	773

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	133.0	42.0	184.0	280.0	637.0
1980.....	244.0	30.0	323.0	440.0	1,036.0
1981.....	207.0	48.0	251.0	412.0	918.0
1982.....	93.0	15.0	222.0	330.0	659.0
1983.....	123.0	39.0	264.0	226.0	652.0
1984.....	100.0	12.0	231.0	224.0	570.0
1985.....	118.0	36.0	320.0	261.0	734.0
1986.....	114.0	58.0	345.0	274.0	792.0
1987.....	191.0	41.0	391.0	238.0	862.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	235.7	78.7	313.7	482.7	1,111.8
1980.....	392.6	46.3	494.2	707.9	1,640.2
1981.....	406.1	92.4	464.3	816.6	1,781.3
1982.....	206.3	35.1	461.6	720.7	1,423.8
1983.....	298.0	96.6	609.5	545.9	1,551.3
1984.....	264.3	28.8	598.9	609.0	1,501.1
1985.....	333.6	95.9	838.6	743.6	2,010.3
1986.....	253.6	121.4	714.2	605.3	1,694.6
1987.....	346.5	75.1	695.5	448.6	1,565.6

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT DELIVERIES : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	21.4	5.2	23.3	50.1
1980.....	21.6	3.5	37.6	37.3
1981.....	19.6	5.8	34.6	40.0
1982.....	14.2	3.1	38.6	44.1
1983.....	16.9	4.4	46.1	32.6
1984.....	15.2	3.4	51.7	29.7
1985.....	12.9	5.2	55.8	26.0
1986.....	11.7	7.8	55.5	24.9
1987.....	20.6	5.2	51.7	22.5

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	20.9	6.6	28.9	44.0
1980.....	23.6	2.9	31.2	42.5
1981.....	22.5	5.2	27.3	44.9
1982.....	14.1	2.3	33.7	50.1
1983.....	18.9	6.0	40.5	34.7
1984.....	17.5	2.1	40.5	39.3
1985.....	16.1	4.9	43.6	35.6
1986.....	14.4	7.3	43.6	34.6
1987.....	22.2	4.8	45.4	27.6

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	21.2	7.1	28.2	43.4
1980.....	23.9	2.8	30.1	43.2
1981.....	22.8	5.2	26.1	45.8
1982.....	14.5	2.5	32.4	50.6
1983.....	19.2	6.2	39.3	35.2
1984.....	17.6	1.9	39.9	40.6
1985.....	16.6	4.8	41.7	37.0
1986.....	15.0	7.2	42.1	35.7
1987.....	22.1	4.8	44.4	28.7

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT DELIVERIES : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	52.9	0.0	1.8	23.9	23.7
1980.....	16.4	30.8	15.2	17.8	17.0
1981.....	21.6	14.6	12.2	28.9	20.8
1982.....	43.8	18.8	8.6	35.8	25.9
1983.....	40.9	30.4	19.2	54.7	34.9
1984.....	53.1	72.2	22.2	56.3	38.7
1985.....	33.7	51.4	37.5	34.5	37.0
1986.....	38.3	51.9	34.2	34.3	36.1
1987.....	38.4	40.0	27.5	33.9	31.8

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	26.3	0.0	0.5	15.0	12.1
1980.....	18.0	33.3	8.4	13.0	13.2
1981.....	21.7	8.3	9.6	18.0	16.1
1982.....	35.5	13.3	8.1	33.0	24.6
1983.....	28.5	25.6	11.0	31.9	22.5
1984.....	45.0	50.0	14.7	42.4	31.8
1985.....	21.2	36.1	25.9	26.1	25.7
1986.....	17.5	44.8	20.0	27.4	24.0
1987.....	26.2	17.1	13.0	24.4	19.3

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	23.3	0.0	0.3	13.6	10.9
1980.....	16.9	30.0	7.3	11.7	12.1
1981.....	20.2	8.3	9.2	16.0	14.8
1982.....	33.0	15.6	7.6	31.2	23.5
1983.....	26.4	25.0	10.4	29.1	21.0
1984.....	42.9	43.3	13.6	40.3	30.2
1985.....	19.1	34.1	24.3	24.1	23.8
1986.....	15.1	43.0	18.2	25.4	22.1
1987.....	23.9	15.1	11.7	22.2	17.6

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT DELIVERIES : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	47.8	0.0	1.7	50.4
1980.....	20.8	6.4	33.6	39.2
1981.....	20.3	4.1	20.3	55.4
1982.....	24.1	2.3	12.8	60.9
1983.....	19.8	3.8	25.3	51.1
1984.....	20.9	6.3	29.6	43.2
1985.....	11.7	7.3	56.7	24.3
1986.....	12.4	11.2	52.6	23.7
1987.....	24.8	6.5	44.7	24.0

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	45.5	0.0	1.3	54.5
1980.....	32.1	7.3	19.7	41.6
1981.....	30.4	2.7	16.2	50.0
1982.....	20.4	1.2	11.1	67.3
1983.....	23.8	6.8	19.7	49.0
1984.....	24.9	3.3	18.8	52.5
1985.....	13.2	6.9	43.9	36.0
1986.....	10.5	13.7	36.3	39.5
1987.....	30.1	4.2	30.7	34.9

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	45.3	0.0	0.7	54.0
1980.....	33.4	7.0	18.1	41.6
1981.....	31.1	2.9	16.1	49.5
1982.....	20.4	1.6	10.5	67.4
1983.....	24.2	7.4	19.5	48.9
1984.....	25.1	2.8	18.0	54.2
1985.....	13.3	6.8	42.5	37.4
1986.....	10.2	14.0	34.7	41.1
1987.....	30.2	4.1	29.5	36.2

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT DELIVERIES : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	43	0	15	92	150
1980.....	38	10	108	102	258
1981.....	35	13	105	103	256
1982.....	29	6	68	79	182
1983.....	22	7	90	66	185
1984.....	28	13	135	59	235
1985.....	22	15	187	57	281
1986.....	31	17	187	47	282
1987.....	60	14	173	73	320

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	10.0	0.0	4.0	24.0	37.0
1980.....	8.0	2.0	27.0	23.0	61.0
1981.....	11.0	2.0	26.0	27.0	66.0
1982.....	7.0	1.0	17.0	23.0	49.0
1983.....	5.0	4.0	21.0	19.0	48.0
1984.....	8.0	4.0	29.0	17.0	60.0
1985.....	6.0	4.0	50.0	18.0	78.0
1986.....	11.0	6.0	53.0	15.0	86.0
1987.....	21.0	5.0	48.0	23.0	98.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	11.8	0.0	3.6	29.0	46.2
1980.....	8.9	2.4	29.0	26.6	66.2
1981.....	14.1	4.0	35.2	37.2	91.6
1982.....	11.5	1.1	26.4	35.5	75.7
1983.....	10.1	5.0	36.6	31.5	84.5
1984.....	17.1	7.1	58.4	34.2	116.7
1985.....	13.2	10.3	98.6	33.9	156.0
1986.....	16.0	10.6	81.9	23.4	133.0
1987.....	27.1	7.0	64.6	33.2	130.9

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT DELIVERIES : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	28.7	0.0	10.0	61.3
1980.....	14.7	3.9	41.9	39.5
1981.....	13.7	5.1	41.0	40.2
1982.....	15.9	3.3	37.4	43.4
1983.....	11.9	3.8	48.6	35.7
1984.....	11.9	5.5	57.4	25.1
1985.....	7.8	5.3	66.5	20.3
1986.....	11.0	6.0	66.3	16.7
1987.....	18.8	4.4	54.1	22.8

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	27.0	0.0	10.8	64.9
1980.....	13.1	3.3	44.3	37.7
1981.....	16.7	3.0	39.4	40.9
1982.....	14.3	2.0	34.7	46.9
1983.....	10.4	8.3	43.8	39.6
1984.....	13.3	6.7	48.3	28.3
1985.....	7.7	5.1	64.1	23.1
1986.....	12.8	7.0	61.6	17.4
1987.....	21.4	5.1	49.0	23.5

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	25.5	0.0	7.8	62.7
1980.....	13.4	3.7	43.9	40.2
1981.....	15.4	4.4	38.5	40.7
1982.....	15.2	1.5	34.8	47.0
1983.....	11.9	6.0	43.3	37.3
1984.....	14.6	6.1	50.0	29.3
1985.....	8.5	6.6	63.2	21.7
1986.....	12.0	8.0	61.6	17.6
1987.....	20.7	5.3	49.3	25.3

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT DELIVERIES : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	95.3	-	13.3	33.7	49.3
1980.....	15.8	40.0	29.6	24.5	26.0
1981.....	40.0	23.1	19.0	52.4	35.5
1982.....	58.6	0.0	14.7	49.4	36.3
1983.....	90.9	28.6	40.0	87.9	62.7
1984.....	92.9	84.6	34.1	74.6	54.0
1985.....	86.4	93.3	55.1	52.6	59.1
1986.....	77.4	88.2	51.3	48.9	56.0
1987.....	73.3	85.7	53.2	45.2	56.6

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	100.0	-	25.0	54.2	62.2
1980.....	25.0	50.0	37.0	30.4	32.8
1981.....	45.5	0.0	19.2	59.3	40.9
1982.....	57.1	0.0	17.6	56.5	42.9
1983.....	100.0	25.0	47.6	89.5	68.8
1984.....	100.0	75.0	44.8	64.7	60.0
1985.....	100.0	100.0	62.0	55.6	65.4
1986.....	81.8	100.0	54.7	53.3	60.5
1987.....	76.2	80.0	56.3	47.8	59.2

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	100.0	-	25.0	56.3	62.7
1980.....	27.3	33.3	36.1	30.3	32.9
1981.....	50.0	0.0	20.0	59.5	40.7
1982.....	60.0	0.0	17.4	58.1	42.4
1983.....	87.5	25.0	48.3	92.0	68.7
1984.....	91.7	80.0	43.9	66.7	59.8
1985.....	88.9	85.7	62.7	56.5	65.1
1986.....	86.7	90.0	55.8	50.0	60.8
1987.....	77.4	87.5	56.8	44.7	60.0

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT DELIVERIES : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	55.4	0.0	2.7	41.9
1980.....	9.0	6.0	47.8	37.3
1981.....	15.4	3.3	22.0	59.3
1982.....	25.8	0.0	15.2	59.1
1983.....	17.2	1.7	31.0	50.0
1984.....	20.5	8.7	36.2	34.6
1985.....	11.4	8.4	62.0	18.1
1986.....	15.2	9.5	60.8	14.6
1987.....	24.3	6.6	50.8	18.2

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	43.5	0.0	4.3	56.5
1980.....	10.0	5.0	50.0	35.0
1981.....	18.5	0.0	18.5	59.3
1982.....	19.0	0.0	14.3	61.9
1983.....	15.2	3.0	30.3	51.5
1984.....	22.2	8.3	36.1	30.6
1985.....	11.8	7.8	60.8	19.6
1986.....	17.3	11.5	55.8	15.4
1987.....	27.6	6.9	46.6	19.0

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	40.6	0.0	3.1	56.3
1980.....	11.1	3.7	48.1	37.0
1981.....	18.9	0.0	18.9	59.5
1982.....	21.4	0.0	14.3	64.3
1983.....	15.2	2.2	30.4	50.0
1984.....	22.4	8.2	36.7	32.7
1985.....	11.6	8.7	60.9	18.8
1986.....	17.1	11.8	56.6	14.5
1987.....	26.7	7.8	46.7	18.9

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT DELIVERIES : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	41	16	91	125	273
1980.....	85	14	141	109	349
1981.....	83	25	132	128	368
1982.....	36	8	130	122	296
1983.....	57	12	149	87	305
1984.....	49	5	137	85	276
1985.....	56	20	185	94	355
1986.....	39	37	185	101	362
1987.....	92	25	222	80	419

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	65.0	19.0	157.0	178.0	418.0
1980.....	122.0	23.0	216.0	196.0	556.0
1981.....	121.0	35.0	202.0	210.0	568.0
1982.....	54.0	9.0	205.0	220.0	486.0
1983.....	89.0	18.0	239.0	142.0	489.0
1984.....	83.0	8.0	191.0	155.0	438.0
1985.....	86.0	32.0	267.0	153.0	538.0
1986.....	56.0	52.0	259.0	165.0	532.0
1987.....	140.0	32.0	324.0	137.0	633.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	108.8	32.8	265.1	298.8	705.5
1980.....	183.1	34.6	324.7	293.2	835.7
1981.....	227.4	64.3	378.1	394.4	1,064.3
1982.....	114.8	20.8	435.3	467.0	1,037.8
1983.....	208.2	44.5	562.1	334.6	1,148.2
1984.....	218.6	21.7	506.5	411.4	1,159.7
1985.....	235.9	85.6	731.5	421.2	1,474.2
1986.....	119.9	110.7	549.7	348.5	1,128.8
1987.....	254.8	59.3	590.8	247.8	1,153.7

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT DELIVERIES : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	15.0	5.9	33.3	45.8
1980.....	24.4	4.0	40.4	31.2
1981.....	22.6	6.8	35.9	34.8
1982.....	12.2	2.7	43.9	41.2
1983.....	18.7	3.9	48.9	28.5
1984.....	17.8	1.8	49.6	30.8
1985.....	15.8	5.6	52.1	26.5
1986.....	10.8	10.2	51.1	27.9
1987.....	22.0	6.0	53.0	19.1

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	15.6	4.5	37.6	42.6
1980.....	21.9	4.1	38.8	35.3
1981.....	21.3	6.2	35.6	37.0
1982.....	11.1	1.9	42.2	45.3
1983.....	18.2	3.7	48.9	29.0
1984.....	18.9	1.8	43.6	35.4
1985.....	16.0	5.9	49.6	28.4
1986.....	10.5	9.8	48.7	31.0
1987.....	22.1	5.1	51.2	21.6

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	15.4	4.7	37.6	42.4
1980.....	21.9	4.1	38.9	35.1
1981.....	21.4	6.0	35.5	37.1
1982.....	11.1	2.0	41.9	45.0
1983.....	18.1	3.9	49.0	29.1
1984.....	18.9	1.9	43.7	35.5
1985.....	16.0	5.8	49.6	28.6
1986.....	10.6	9.8	48.7	30.9
1987.....	22.1	5.1	51.2	21.5

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT DELIVERIES : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	29.3	0.0	0.0	21.6	14.3
1980.....	21.2	28.6	7.1	22.0	16.0
1981.....	19.3	12.0	7.6	21.9	15.5
1982.....	41.7	37.5	5.4	34.4	22.6
1983.....	28.1	41.7	6.7	40.2	21.6
1984.....	34.7	40.0	10.9	52.9	28.6
1985.....	17.9	20.0	20.0	31.9	22.8
1986.....	17.9	35.1	18.9	35.6	25.1
1987.....	18.5	16.0	8.1	32.5	15.5

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	35.4	0.0	0.0	16.3	12.4
1980.....	32.8	39.1	7.9	25.5	20.7
1981.....	33.1	11.4	9.4	27.6	21.3
1982.....	53.7	22.2	7.3	43.6	29.0
1983.....	33.7	50.0	7.9	38.7	23.3
1984.....	44.6	37.5	11.0	54.2	33.1
1985.....	22.1	28.1	19.5	37.9	25.7
1986.....	19.6	38.5	15.4	40.6	25.9
1987.....	24.3	9.4	7.4	34.3	17.1

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	35.7	0.0	0.0	16.5	12.5
1980.....	32.8	37.8	7.8	25.5	20.7
1981.....	32.9	11.9	9.4	27.5	21.3
1982.....	53.3	26.3	7.0	43.8	29.1
1983.....	33.5	51.4	8.1	38.8	23.3
1984.....	44.7	31.2	11.0	54.1	33.0
1985.....	22.0	27.9	19.4	38.0	25.6
1986.....	20.3	38.5	15.3	40.8	26.0
1987.....	24.3	8.8	7.5	34.2	17.0

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT DELIVERIES : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	30.8	0.0	0.0	69.2
1980.....	32.1	7.1	17.9	42.9
1981.....	28.1	5.3	17.5	49.1
1982.....	22.4	4.5	10.4	62.7
1983.....	24.2	7.6	15.2	53.0
1984.....	21.5	2.5	19.0	57.0
1985.....	12.3	4.9	45.7	37.0
1986.....	7.7	14.3	38.5	39.6
1987.....	26.2	6.2	27.7	40.0

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	44.2	0.0	0.0	55.8
1980.....	34.8	7.8	14.8	43.5
1981.....	33.1	3.3	15.7	47.9
1982.....	20.6	1.4	10.6	68.1
1983.....	26.3	7.9	16.7	48.2
1984.....	25.5	2.1	14.5	57.9
1985.....	13.8	6.5	37.7	42.0
1986.....	8.0	14.5	29.0	48.6
1987.....	31.5	2.8	22.2	43.5

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	44.1	0.0	0.0	55.9
1980.....	34.7	7.6	14.7	43.1
1981.....	33.1	3.4	15.7	47.9
1982.....	20.3	1.8	10.1	67.8
1983.....	26.1	8.6	17.1	48.6
1984.....	25.5	1.8	14.5	58.2
1985.....	13.8	6.3	37.5	42.4
1986.....	8.3	14.5	28.7	48.4
1987.....	31.6	2.7	22.7	43.1

EC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT DELIVERIES : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	20	9	7	26	62
1980.....	36	2	28	64	130
1981.....	21	3	9	53	86
1982.....	8	2	0	25	35
1983.....	9	4	1	17	31
1984.....	4	0	3	14	21
1985.....	8	0	1	23	32
1986.....	11	0	11	24	46
1987.....	7	1	5	21	34

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	58.0	23.0	23.0	78.0	182.0
1980.....	114.0	5.0	80.0	221.0	419.0
1981.....	75.0	11.0	23.0	175.0	284.0
1982.....	32.0	5.0	0.0	87.0	124.0
1983.....	29.0	17.0	4.0	65.0	115.0
1984.....	9.0	0.0	11.0	52.0	72.0
1985.....	26.0	0.0	3.0	90.0	118.0
1986.....	47.0	0.0	33.0	94.0	174.0
1987.....	30.0	4.0	19.0	78.0	131.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	115.1	45.9	45.0	155.0	360.2
1980.....	200.6	9.3	140.4	388.1	738.4
1981.....	164.5	24.1	51.0	384.9	625.5
1982.....	80.0	13.2	0.0	218.2	310.3
1983.....	79.6	47.1	10.9	179.8	318.6
1984.....	28.6	0.0	34.0	163.4	224.7
1985.....	84.5	0.0	8.4	288.6	380.1
1986.....	117.7	0.0	82.6	233.4	432.8
1987.....	64.6	8.7	40.1	167.6	281.0

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT DELIVERIES : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	32.3	14.5	11.3	41.9
1980.....	27.7	1.5	21.5	49.2
1981.....	24.4	3.5	10.5	61.6
1982.....	22.9	5.7	0.0	71.4
1983.....	29.0	12.9	3.2	54.8
1984.....	19.0	0.0	14.3	66.7
1985.....	25.0	0.0	3.1	71.9
1986.....	23.9	0.0	23.9	52.2
1987.....	20.6	2.9	14.7	61.8

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	31.9	12.6	12.6	42.9
1980.....	27.2	1.2	19.1	52.7
1981.....	26.4	3.9	8.1	61.6
1982.....	25.8	4.0	0.0	70.2
1983.....	25.2	14.8	3.5	56.5
1984.....	12.5	0.0	15.3	72.2
1985.....	22.0	0.0	2.5	76.3
1986.....	27.0	0.0	19.0	54.0
1987.....	22.9	3.1	14.5	59.5

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	32.0	12.7	12.5	43.0
1980.....	27.2	1.3	19.0	52.6
1981.....	26.3	3.8	8.2	61.5
1982.....	25.8	4.2	0.0	70.3
1983.....	25.0	14.8	3.4	56.4
1984.....	12.7	0.0	15.2	72.7
1985.....	22.2	0.0	2.2	75.9
1986.....	27.2	0.0	19.1	53.9
1987.....	23.0	3.1	14.3	59.6

EC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT DELIVERIES : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	10.0	0.0	0.0	0.0	3.2
1980.....	5.6	0.0	0.0	0.0	1.5
1981.....	0.0	0.0	0.0	0.0	0.0
1982.....	0.0	0.0	-	0.0	0.0
1983.....	0.0	0.0	0.0	0.0	0.0
1984.....	0.0	-	0.0	0.0	0.0
1985.....	0.0	-	0.0	0.0	0.0
1986.....	0.0	-	0.0	0.0	0.0
1987.....	0.0	0.0	0.0	0.0	0.0

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	3.4	0.0	0.0	0.0	1.1
1980.....	1.8	0.0	0.0	0.0	0.5
1981.....	0.0	0.0	0.0	0.0	0.0
1982.....	0.0	0.0	-	0.0	0.0
1983.....	0.0	0.0	0.0	0.0	0.0
1984.....	0.0	-	0.0	0.0	0.0
1985.....	0.0	-	0.0	0.0	0.0
1986.....	0.0	-	0.0	0.0	0.0
1987.....	0.0	0.0	0.0	0.0	0.0

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	3.8	0.0	0.0	0.0	1.2
1980.....	1.9	0.0	0.0	0.0	0.5
1981.....	0.0	0.0	0.0	0.0	0.0
1982.....	0.0	0.0	-	0.0	0.0
1983.....	0.0	0.0	0.0	0.0	0.0
1984.....	0.0	-	0.0	0.0	0.0
1985.....	0.0	-	0.0	0.0	0.0
1986.....	0.0	-	0.0	0.0	0.0
1987.....	0.0	0.0	0.0	0.0	0.0

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT DELIVERIES : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	100.0	0.0	0.0	0.0
1980.....	100.0	0.0	0.0	0.0
1981.....	0.0	0.0	0.0	0.0
1982.....	0.0	0.0	0.0	0.0
1983.....	0.0	0.0	0.0	0.0
1984.....	0.0	0.0	0.0	0.0
1985.....	0.0	0.0	0.0	0.0
1986.....	0.0	0.0	0.0	0.0
1987.....	0.0	0.0	0.0	0.0

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	100.0	0.0	0.0	0.0
1980.....	100.0	0.0	0.0	0.0
1981.....	0.0	0.0	0.0	0.0
1982.....	0.0	0.0	0.0	0.0
1983.....	0.0	0.0	0.0	0.0
1984.....	0.0	0.0	0.0	0.0
1985.....	0.0	0.0	0.0	0.0
1986.....	0.0	0.0	0.0	0.0
1987.....	0.0	0.0	0.0	0.0

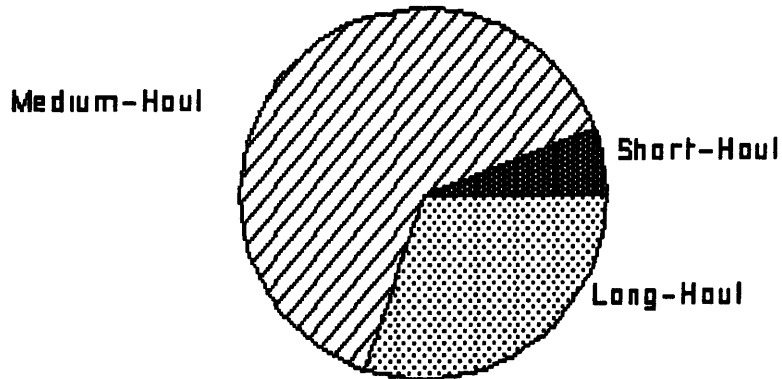
VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	100.0	0.0	0.0	0.0
1980.....	100.0	0.0	0.0	0.0
1981.....	0.0	0.0	0.0	0.0
1982.....	0.0	0.0	0.0	0.0
1983.....	0.0	0.0	0.0	0.0
1984.....	0.0	0.0	0.0	0.0
1985.....	0.0	0.0	0.0	0.0
1986.....	0.0	0.0	0.0	0.0
1987.....	0.0	0.0	0.0	0.0

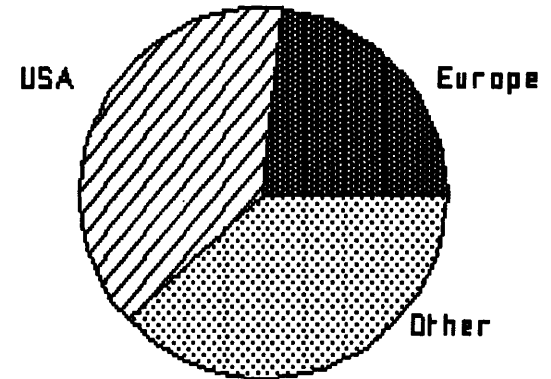
ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

CIVIL AIRCRAFT IN SERVICE

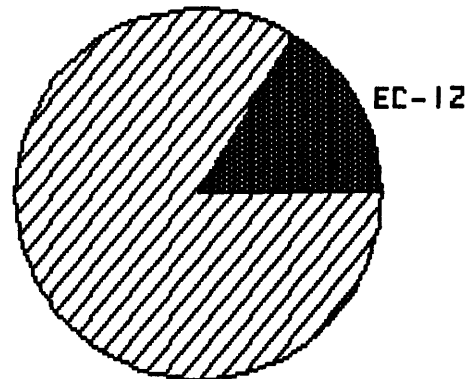
(value - end 1987)



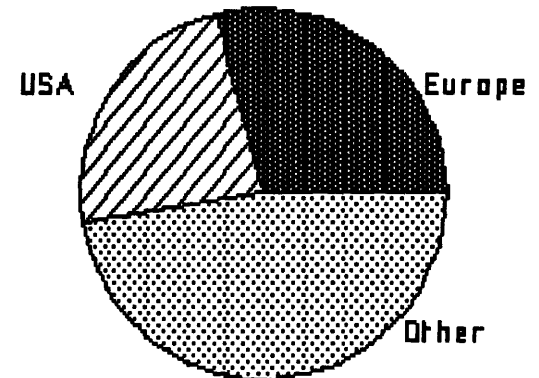
BREAKDOWN BY TYPE



BREAKDOWN BY AREA



EC-12 MARKET SHARE



EC-12 MARKETS

TOTAL AIRCRAFT IN SERVICE (AT 31.12)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	1,411	280	2,809	2,465	6,965
1980.....	1,606	369	3,367	3,399	8,741
1981.....	1,598	390	3,487	3,604	9,079
1982.....	1,624	388	3,641	3,707	9,360
1983.....	1,646	396	3,975	3,753	9,770
1984.....	1,658	412	4,251	3,794	10,115
1985.....	1,697	451	4,601	3,907	10,656
1986.....	1,799	496	4,895	4,051	11,241
1987.....	1,908	549	5,306	4,342	12,105

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	1,813.0	347.0	4,061.0	2,691.0	8,915.0
1980.....	2,112.0	421.0	4,697.0	4,028.0	11,262.0
1981.....	2,100.0	445.0	4,801.0	4,347.0	11,692.0
1982.....	2,116.0	427.0	4,921.0	4,525.0	11,989.0
1983.....	2,144.0	452.0	5,312.0	4,638.0	12,545.0
1984.....	2,171.0	456.0	5,561.0	4,746.0	12,934.0
1985.....	2,250.0	498.0	5,923.0	4,868.0	13,538.0
1986.....	2,415.0	534.0	6,142.0	5,084.0	14,175.0
1987.....	2,576.0	583.0	6,607.0	5,328.0	15,093.0

CONSTANT VALUE (1987-ECU 10 M10) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	2,096.8	454.2	4,738.9	3,177.2	10,467.2
1980.....	2,036.3	394.1	4,039.9	3,945.7	10,414.5
1981.....	2,603.9	528.2	4,977.1	5,249.7	13,357.8
1982.....	2,859.7	539.5	5,412.6	6,090.2	14,901.9
1983.....	3,057.7	621.5	6,203.0	6,605.1	16,488.5
1984.....	3,340.8	678.3	6,990.0	7,292.2	18,305.4
1985.....	3,469.5	739.6	7,341.5	7,455.0	19,006.9
1986.....	2,761.6	607.2	5,679.0	5,813.2	14,864.1
1987.....	2,496.7	557.6	5,078.1	5,000.4	13,132.0

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT IN SERVICE (AT 31.12) : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	20.3	4.0	40.3	35.4
1980.....	18.4	4.2	38.5	38.9
1981.....	17.6	4.3	38.4	39.7
1982.....	17.4	4.1	38.9	39.6
1983.....	16.8	4.1	40.7	38.4
1984.....	16.4	4.1	42.0	37.5
1985.....	15.9	4.2	43.2	36.7
1986.....	16.0	4.4	43.5	36.0
1987.....	15.8	4.5	43.8	35.9

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	20.3	3.9	45.6	30.2
1980.....	18.8	3.7	41.7	35.8
1981.....	18.0	3.8	41.1	37.2
1982.....	17.6	3.6	41.0	37.7
1983.....	17.1	3.6	42.3	37.0
1984.....	16.8	3.5	43.0	36.7
1985.....	16.6	3.7	43.8	36.0
1986.....	17.0	3.8	43.3	35.9
1987.....	17.1	3.9	43.8	35.3

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	20.0	4.3	45.3	30.4
1980.....	19.6	3.8	38.8	37.9
1981.....	19.5	4.0	37.3	39.3
1982.....	19.2	3.6	36.3	40.9
1983.....	18.5	3.8	37.6	40.1
1984.....	18.3	3.7	38.2	39.8
1985.....	18.3	3.9	38.6	39.2
1986.....	18.6	4.1	38.2	39.1
1987.....	19.0	4.2	38.7	38.1

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT IN SERVICE (AT 31.12) : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	49.7	18.9	6.7	33.8	25.5
1980.....	44.3	19.8	7.2	28.0	22.6
1981.....	44.2	20.5	7.5	27.7	22.5
1982.....	43.7	19.1	8.5	28.3	22.9
1983.....	44.4	20.2	8.7	29.2	23.1
1984.....	45.7	24.0	10.0	29.9	23.9
1985.....	44.5	26.8	12.1	30.3	24.6
1986.....	43.2	29.8	13.2	30.6	25.0
1987.....	40.8	30.4	13.9	31.4	25.2

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	32.8	12.4	2.8	20.4	14.6
1980.....	27.5	13.1	3.6	16.7	13.1
1981.....	27.8	13.5	4.1	16.5	13.3
1982.....	27.4	11.5	4.7	17.9	13.9
1983.....	27.5	13.9	4.7	18.4	14.0
1984.....	28.8	15.8	5.3	19.2	14.7
1985.....	27.6	18.1	6.4	19.6	15.1
1986.....	26.5	19.3	7.2	20.4	15.7
1987.....	26.0	18.9	7.2	20.6	15.6

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	24.8	8.6	1.6	14.0	10.3
1980.....	20.9	12.0	3.1	12.6	10.5
1981.....	21.1	11.7	3.7	13.0	11.0
1982.....	21.4	8.8	4.2	15.2	12.1
1983.....	21.5	13.2	4.6	16.5	12.8
1984.....	23.1	14.3	5.6	18.0	14.1
1985.....	22.2	17.6	7.8	18.7	15.1
1986.....	21.3	19.9	9.5	20.0	16.2
1987.....	20.7	19.2	9.9	20.3	16.3

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

TOTAL AIRCRAFT IN SERVICE (AT 31.12) : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	39.5	3.0	10.5	47.0
1980.....	35.9	3.7	12.2	48.1
1981.....	34.5	3.9	12.8	48.8
1982.....	33.2	3.5	14.4	49.0
1983.....	32.5	3.6	15.4	48.6
1984.....	31.4	4.1	17.5	47.0
1985.....	28.8	4.6	21.3	45.2
1986.....	27.6	5.3	23.0	44.1
1987.....	25.5	5.5	24.2	44.7

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	45.8	3.3	8.7	42.2
1980.....	39.3	3.7	11.4	45.5
1981.....	37.5	3.9	12.7	46.0
1982.....	34.8	2.9	13.8	48.6
1983.....	33.5	3.6	14.3	48.6
1984.....	32.9	3.8	15.5	47.8
1985.....	30.4	4.4	18.5	46.7
1986.....	28.9	4.6	19.9	46.7
1987.....	28.5	4.7	20.3	46.6

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	48.1	3.6	7.1	41.0
1980.....	38.9	4.3	11.5	45.4
1981.....	37.2	4.2	12.3	46.4
1982.....	33.7	2.6	12.4	51.3
1983.....	31.1	3.9	13.6	51.5
1984.....	30.0	3.8	15.1	51.1
1985.....	26.9	4.5	20.0	48.6
1986.....	24.4	5.0	22.3	48.2
1987.....	24.2	5.0	23.4	47.4

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT IN SERVICE (AT 31.12) : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	313	35	425	1,000	1,773
1980.....	467	73	648	1,358	2,546
1981.....	490	89	711	1,426	2,716
1982.....	516	91	793	1,470	2,870
1983.....	531	99	890	1,477	2,997
1984.....	529	119	997	1,490	3,135
1985.....	550	132	1,132	1,553	3,367
1986.....	579	157	1,302	1,618	3,656
1987.....	594	182	1,455	1,804	4,035

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	129.0	11.0	166.0	404.0	713.0
1980.....	164.0	19.0	210.0	469.0	865.0
1981.....	167.0	25.0	228.0	482.0	902.0
1982.....	172.0	26.0	252.0	488.0	938.0
1983.....	176.0	29.0	272.0	484.0	962.0
1984.....	177.0	36.0	292.0	488.0	993.0
1985.....	181.0	41.0	331.0	507.0	1,060.0
1986.....	193.0	50.0	390.0	530.0	1,162.0
1987.....	204.0	58.0	425.0	571.0	1,258.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	78.8	8.1	112.3	284.2	484.3
1980.....	77.4	10.5	117.0	250.9	455.8
1981.....	98.6	17.1	157.0	316.9	590.6
1982.....	110.1	20.6	194.9	358.9	683.3
1983.....	117.3	24.0	230.9	376.0	749.5
1984.....	128.1	31.3	287.6	407.2	855.6
1985.....	129.5	39.7	347.4	418.0	934.7
1986.....	106.4	41.5	311.8	315.0	776.8
1987.....	106.5	42.8	301.1	289.7	739.2

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT IN SERVICE (AT 31.12) : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	17.7	2.0	24.0	56.4
1980.....	18.3	2.9	25.5	53.3
1981.....	18.0	3.3	26.2	52.5
1982.....	18.0	3.2	27.6	51.2
1983.....	17.7	3.3	29.7	49.3
1984.....	16.9	3.8	31.8	47.5
1985.....	16.3	3.9	33.6	46.1
1986.....	15.8	4.3	35.6	44.3
1987.....	14.7	4.5	36.1	44.7

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	18.1	1.5	23.3	56.7
1980.....	19.0	2.2	24.3	54.2
1981.....	18.5	2.8	25.3	53.4
1982.....	18.3	2.8	26.9	52.0
1983.....	18.3	3.0	28.3	50.3
1984.....	17.8	3.6	29.4	49.1
1985.....	17.1	3.9	31.2	47.8
1986.....	16.6	4.3	33.6	45.6
1987.....	16.2	4.6	33.8	45.4

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	16.3	1.7	23.2	58.7
1980.....	17.0	2.3	25.7	55.0
1981.....	16.7	2.9	26.6	53.7
1982.....	16.1	3.0	28.5	52.5
1983.....	15.7	3.2	30.8	50.2
1984.....	15.0	3.7	33.6	47.6
1985.....	13.9	4.3	37.2	44.7
1986.....	13.7	5.3	40.1	40.5
1987.....	14.4	5.8	40.7	39.2

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT IN SERVICE (AT 31.12) : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	91.4	48.6	29.9	58.4	57.2
1980.....	80.5	37.0	24.8	47.8	47.6
1981.....	78.2	38.2	23.5	47.6	46.5
1982.....	77.7	34.1	25.6	46.9	46.1
1983.....	79.1	33.3	25.8	48.3	46.6
1984.....	81.7	42.9	28.0	49.5	47.8
1985.....	80.0	49.2	32.7	49.7	48.9
1986.....	78.6	55.4	32.6	48.8	48.0
1987.....	73.2	59.3	34.8	49.2	48.0

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	93.8	72.7	34.9	70.5	66.3
1980.....	87.8	52.6	29.5	63.3	59.4
1981.....	85.6	52.0	28.5	62.4	57.9
1982.....	85.5	46.2	31.7	61.7	57.5
1983.....	85.8	44.8	30.5	62.4	57.2
1984.....	87.6	52.8	33.6	62.7	58.2
1985.....	86.2	61.0	37.8	62.7	58.9
1986.....	83.9	64.0	36.4	60.9	56.6
1987.....	79.9	69.0	38.6	59.9	56.3

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	90.8	55.6	23.4	62.1	57.9
1980.....	76.0	38.5	24.1	52.4	48.8
1981.....	72.4	29.4	21.8	53.3	47.4
1982.....	71.9	22.2	23.5	53.4	46.8
1983.....	73.1	21.1	27.3	55.7	48.5
1984.....	75.6	36.4	31.7	56.3	50.2
1985.....	73.9	51.9	40.7	56.0	52.4
1986.....	75.0	59.0	43.7	55.7	53.6
1987.....	71.3	67.3	47.2	55.1	54.9

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

SHORT HAUL AIRCRAFT IN SERVICE (AT 31.12) : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	28.2	1.7	12.5	57.6
1980.....	31.0	2.2	13.3	53.5
1981.....	30.3	2.7	13.2	53.8
1982.....	30.3	2.3	15.3	52.0
1983.....	30.1	2.4	16.5	51.1
1984.....	28.8	3.4	18.6	49.2
1985.....	26.7	3.9	22.5	46.9
1986.....	25.9	5.0	24.1	45.0
1987.....	22.4	5.6	26.2	45.8

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	25.6	1.7	12.3	60.3
1980.....	28.0	1.9	12.1	57.8
1981.....	27.4	2.5	12.5	57.7
1982.....	27.3	2.2	14.8	55.8
1983.....	27.5	2.4	15.1	54.9
1984.....	26.8	3.3	17.0	52.9
1985.....	25.0	4.0	20.0	51.0
1986.....	24.6	4.9	21.6	49.1
1987.....	23.0	5.6	23.2	48.3

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	25.5	1.6	9.4	62.9
1980.....	26.4	1.8	12.7	59.1
1981.....	25.5	1.8	12.2	60.4
1982.....	24.7	1.4	14.3	59.9
1983.....	23.6	1.4	17.4	57.6
1984.....	22.5	2.6	21.2	53.3
1985.....	19.5	4.2	28.8	47.7
1986.....	19.2	5.9	32.7	42.2
1987.....	18.7	7.1	35.1	39.4

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT IN SERVICE (AT 31.12) : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	727	185	1,731	957	3,600
1980.....	779	234	2,182	1,356	4,551
1981.....	785	241	2,300	1,444	4,770
1982.....	798	239	2,391	1,507	4,935
1983.....	813	235	2,625	1,540	5,213
1984.....	840	231	2,808	1,558	5,437
1985.....	847	251	3,020	1,613	5,731
1986.....	903	271	3,144	1,676	5,994
1987.....	988	299	3,368	1,765	6,420

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	906.0	205.0	2,509.0	1,219.0	4,839.0
1980.....	1,040.0	261.0	3,197.0	1,879.0	6,378.0
1981.....	1,061.0	277.0	3,370.0	2,035.0	6,743.0
1982.....	1,082.0	268.0	3,508.0	2,170.0	7,028.0
1983.....	1,109.0	273.0	3,844.0	2,251.0	7,476.0
1984.....	1,159.0	271.0	4,079.0	2,317.0	7,827.0
1985.....	1,189.0	299.0	4,388.0	2,406.0	8,281.0
1986.....	1,272.0	325.0	4,555.0	2,530.0	8,683.0
1987.....	1,390.0	365.0	4,900.0	2,675.0	9,331.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	990.4	249.5	2,925.5	1,464.5	5,629.0
1980.....	931.1	237.0	2,772.6	1,806.8	5,746.0
1981.....	1,239.0	323.4	3,529.7	2,416.5	7,506.7
1982.....	1,392.2	334.6	3,944.6	2,909.0	8,581.5
1983.....	1,534.5	373.1	4,586.7	3,236.3	9,729.5
1984.....	1,751.7	403.3	5,257.9	3,661.0	11,075.2
1985.....	1,822.4	460.5	5,648.3	3,818.9	11,750.2
1986.....	1,448.9	394.2	4,404.6	3,033.9	9,282.7
1987.....	1,376.2	375.3	4,031.8	2,623.3	8,406.5

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT IN SERVICE (AT 31.12) : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	20.2	5.1	48.1	26.6
1980.....	17.1	5.1	47.9	29.8
1981.....	16.5	5.1	48.2	30.3
1982.....	16.2	4.8	48.4	30.5
1983.....	15.6	4.5	50.4	29.5
1984.....	15.4	4.2	51.6	28.7
1985.....	14.8	4.4	52.7	28.1
1986.....	15.1	4.5	52.5	28.0
1987.....	15.4	4.7	52.5	27.5

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	18.7	4.2	51.8	25.2
1980.....	16.3	4.1	50.1	29.5
1981.....	15.7	4.1	50.0	30.2
1982.....	15.4	3.8	49.9	30.9
1983.....	14.8	3.7	51.4	30.1
1984.....	14.8	3.5	52.1	29.6
1985.....	14.4	3.6	53.0	29.1
1986.....	14.6	3.7	52.5	29.1
1987.....	14.9	3.9	52.5	28.7

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	17.6	4.4	52.0	26.0
1980.....	16.2	4.1	48.3	31.4
1981.....	16.5	4.3	47.0	32.2
1982.....	16.2	3.9	46.0	33.9
1983.....	15.8	3.8	47.1	33.3
1984.....	15.8	3.6	47.5	33.1
1985.....	15.5	3.9	48.1	32.5
1986.....	15.6	4.2	47.4	32.7
1987.....	16.4	4.5	48.0	31.2

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT IN SERVICE (AT 31.12) : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	49.4	19.5	3.5	24.5	19.1
1980.....	38.4	19.7	3.7	22.1	16.0
1981.....	36.7	19.1	4.1	21.9	15.6
1982.....	34.6	18.0	4.4	23.7	15.8
1983.....	34.4	20.0	4.5	24.6	15.8
1984.....	34.6	20.8	5.1	25.5	16.2
1985.....	33.2	22.3	6.2	25.4	16.3
1986.....	32.0	22.5	7.1	26.8	17.1
1987.....	31.1	19.7	6.9	26.9	16.7

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	45.9	17.1	2.2	20.1	15.5
1980.....	38.2	17.2	3.3	19.7	14.4
1981.....	37.9	17.0	3.9	20.3	14.7
1982.....	36.7	13.8	4.3	23.4	15.5
1983.....	36.5	18.3	4.4	24.4	15.7
1984.....	37.3	19.6	4.8	25.9	16.4
1985.....	36.0	21.7	5.8	26.4	16.7
1986.....	34.7	21.8	6.6	28.1	17.5
1987.....	33.5	19.2	6.4	28.1	17.2

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	39.7	13.8	1.7	17.1	12.9
1980.....	35.6	18.2	3.5	20.2	14.6
1981.....	35.3	17.5	4.2	21.3	15.4
1982.....	35.6	12.7	4.5	25.3	16.9
1983.....	35.1	20.6	4.9	27.2	17.7
1984.....	36.9	21.2	5.7	29.7	19.1
1985.....	35.4	23.8	7.6	30.3	19.9
1986.....	33.8	24.5	9.1	32.5	21.3
1987.....	31.0	20.9	8.9	32.6	20.5

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

MEDIUM HAUL AIRCRAFT IN SERVICE (AT 31.12) : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	52.1	5.2	8.7	34.0
1980.....	41.2	6.3	11.2	41.3
1981.....	38.7	6.2	12.8	42.4
1982.....	35.3	5.5	13.4	45.7
1983.....	34.0	5.7	14.2	46.1
1984.....	33.1	5.5	16.4	45.1
1985.....	30.1	6.0	20.1	43.8
1986.....	28.3	6.0	21.9	43.9
1987.....	28.6	5.5	21.6	44.2

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	55.4	4.7	7.3	32.6
1980.....	43.2	4.9	11.6	40.3
1981.....	40.4	4.7	13.3	41.5
1982.....	36.4	3.4	13.7	46.5
1983.....	34.5	4.3	14.3	46.9
1984.....	33.7	4.1	15.4	46.8
1985.....	31.0	4.7	18.4	46.0
1986.....	29.0	4.7	19.6	46.7
1987.....	29.1	4.4	19.6	46.9

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	53.9	4.7	7.0	34.4
1980.....	39.6	5.1	11.7	43.7
1981.....	37.8	4.9	12.8	44.6
1982.....	34.1	2.9	12.3	50.7
1983.....	31.4	4.5	13.0	51.2
1984.....	30.5	4.0	14.0	51.3
1985.....	27.6	4.7	18.4	49.4
1986.....	24.8	4.9	20.4	49.9
1987.....	24.8	4.6	20.9	49.7

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT IN SERVICE (AT 31.12) : ABSOLUTE FIGURES

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	371	60	653	508	1,592
1980.....	360	62	537	685	1,644
1981.....	323	60	476	734	1,593
1982.....	310	58	457	730	1,555
1983.....	302	62	460	736	1,560
1984.....	289	62	446	746	1,543
1985.....	300	68	449	741	1,558
1986.....	317	68	449	757	1,591
1987.....	326	68	483	773	1,650

SEATS (X 100)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	778.0	131.0	1,386.0	1,068.0	3,363.0
1980.....	908.0	141.0	1,290.0	1,680.0	4,019.0
1981.....	872.0	143.0	1,203.0	1,830.0	4,047.0
1982.....	862.0	133.0	1,161.0	1,867.0	4,023.0
1983.....	859.0	150.0	1,196.0	1,903.0	4,107.0
1984.....	835.0	149.0	1,190.0	1,941.0	4,114.0
1985.....	880.0	158.0	1,204.0	1,955.0	4,197.0
1986.....	950.0	159.0	1,197.0	2,024.0	4,330.0
1987.....	982.0	160.0	1,282.0	2,082.0	4,504.0

CONSTANT VALUE (1987-ECU 10 MIO) (*)

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	1,027.7	196.5	1,701.2	1,428.5	4,353.9
1980.....	1,027.7	146.6	1,150.4	1,888.0	4,212.7
1981.....	1,266.3	187.6	1,290.4	2,516.2	5,260.5
1982.....	1,357.5	184.2	1,273.0	2,822.4	5,637.1
1983.....	1,405.9	224.5	1,385.3	2,992.7	6,009.6
1984.....	1,460.9	243.7	1,444.6	3,224.1	6,374.6
1985.....	1,517.5	239.3	1,345.8	3,218.1	6,322.1
1986.....	1,206.3	171.4	962.6	2,464.3	4,804.7
1987.....	1,014.1	139.6	745.3	2,087.4	3,986.4

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT IN SERVICE (AT 31.12) : GEOGRAPHICAL BREAKDOWN (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	23.3	3.8	41.0	31.9
1980.....	21.9	3.8	32.7	41.7
1981.....	20.3	3.8	29.9	46.1
1982.....	19.9	3.7	29.4	46.9
1983.....	19.4	4.0	29.5	47.2
1984.....	18.7	4.0	28.9	48.3
1985.....	19.3	4.4	28.8	47.6
1986.....	19.9	4.3	28.2	47.6
1987.....	19.8	4.1	29.3	46.8

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	23.1	3.9	41.2	31.8
1980.....	22.6	3.5	32.1	41.8
1981.....	21.5	3.5	29.7	45.2
1982.....	21.4	3.3	28.9	46.4
1983.....	20.9	3.7	29.1	46.3
1984.....	20.3	3.6	28.9	47.2
1985.....	21.0	3.8	28.7	46.6
1986.....	21.9	3.7	27.6	46.7
1987.....	21.8	3.6	28.5	46.2

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	23.6	4.5	39.1	32.8
1980.....	24.4	3.5	27.3	44.8
1981.....	24.1	3.6	24.5	47.8
1982.....	24.1	3.3	22.6	50.1
1983.....	23.4	3.7	23.1	49.8
1984.....	22.9	3.8	22.7	50.6
1985.....	24.0	3.8	21.3	50.9
1986.....	25.1	3.6	20.0	51.3
1987.....	25.4	3.5	18.7	52.4

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT IN SERVICE (AT 31.12) : EC 12 MARKET SHARE (AS % OF TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	15.1	0.0	0.0	3.1	4.5
1980.....	10.0	0.0	0.0	0.4	2.4
1981.....	10.8	0.0	0.0	0.3	2.3
1982.....	10.6	0.0	0.0	0.3	2.3
1983.....	10.3	0.0	0.0	0.3	2.1
1984.....	12.1	0.0	0.0	0.3	2.4
1985.....	11.3	0.0	0.0	0.3	2.3
1986.....	10.7	0.0	0.0	0.3	2.3
1987.....	11.3	0.0	0.0	0.3	2.4

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	7.5	0.0	0.0	1.7	2.3
1980.....	4.3	0.0	0.0	0.2	1.0
1981.....	4.4	0.0	0.0	0.1	1.0
1982.....	4.2	0.0	0.0	0.1	0.9
1983.....	4.0	0.0	0.0	0.1	0.9
1984.....	4.7	0.0	0.0	0.1	1.0
1985.....	4.2	0.0	0.0	0.1	0.9
1986.....	3.9	0.0	0.0	0.1	0.9
1987.....	4.2	0.0	0.0	0.1	0.9

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD	TOTAL
1975.....	5.5	0.0	0.0	1.2	1.7
1980.....	3.5	0.0	0.0	0.0	0.9
1981.....	3.1	0.0	0.0	0.0	0.7
1982.....	2.7	0.0	0.0	0.0	0.6
1983.....	2.2	0.0	0.0	0.0	0.5
1984.....	2.1	0.0	0.0	0.0	0.5
1985.....	1.9	0.0	0.0	0.0	0.4
1986.....	1.5	0.0	0.0	0.0	0.4
1987.....	1.5	0.0	0.0	0.0	0.4

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

LONG HAUL AIRCRAFT IN SERVICE (AT 31.12) : BREAKDOWN OF EC 12 BUILT AIRCRAFT (AS % DU TOTAL)

UNITS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	77.8	0.0	0.0	22.2
1980.....	92.3	0.0	0.0	7.7
1981.....	94.6	0.0	0.0	5.4
1982.....	94.3	0.0	0.0	5.7
1983.....	93.9	0.0	0.0	6.1
1984.....	94.6	0.0	0.0	5.4
1985.....	94.4	0.0	0.0	5.6
1986.....	94.4	0.0	0.0	5.6
1987.....	94.9	0.0	0.0	5.1

SEATS

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	76.3	0.0	0.0	23.7
1980.....	92.9	0.0	0.0	7.1
1981.....	95.0	0.0	0.0	5.0
1982.....	94.7	0.0	0.0	5.3
1983.....	94.4	0.0	0.0	5.6
1984.....	97.5	0.0	0.0	5.0
1985.....	94.9	0.0	0.0	5.1
1986.....	94.9	0.0	0.0	5.1
1987.....	97.6	0.0	0.0	4.8

VALUE

	EC 12	OTHER EUROPE	USA	OTHER WORLD
1975.....	76.5	0.0	0.0	23.5
1980.....	97.9	0.0	0.0	2.1
1981.....	100.0	0.0	0.0	0.0
1982.....	100.0	0.0	0.0	0.0
1983.....	100.0	0.0	0.0	0.0
1984.....	100.0	0.0	0.0	0.0
1985.....	100.0	0.0	0.0	0.0
1986.....	100.0	0.0	0.0	0.0
1987.....	100.0	0.0	0.0	0.0

ECC - DG III / SOURCE: AEROSPATIALE - (*) CONVERSION IN ECUS IMPLIES SUMMATION ERRORS

HELICOPTER AND LIGHT AIRCRAFT

CHAPTER

3

1. The data on the fleet of single-engine aircraft, twin-engine aircraft and executive jets are compiled by the "BUREAU VERITAS". The fleet of light aircraft (less than 15,000 kg) is broken down into three aircraft categories:

- single-engine aircraft...: less than 5,700 kg,
- twin-engine aircraft.....: less than 5,700 kg,
- executive jets.....: from 5,700 to 15,000 kg.

2. The data on the business aircraft fleet (in value and units) are prepared by I.T.A. (Air Transport Institute, Paris).

There is no definition of what is a "business aircraft". These terms relate, however, to the transport of passengers travelling for business reasons. In this study, a "business aircraft" is defined as follows:

- aircraft which is not used on scheduled routes,
- aircraft whose services are not marketed to the public (via travel agencies, for example), the available capacity (generally limited) being bought for a sole use, linked to professional reasons. Therefore there is double counting of some large transport aircraft which are also included in the transport aircraft fleet (Chapter 2) and which are specially equipped for the V.I.P.,
- aircraft which is not specifically equipped for other activities.

The study is limited to "air taxi" (e.a. commercial transport on request), or to private transport for companies or institutions having an aircraft fleet for their own needs (governments, businesses, ...).

The study excludes piston aircraft, which by nature are rather designed for activities such as general aviation, leisure transport, training, ...).

The study distinguishes 3 main business aircraft categories:

- 1) large jet aircraft whose initial use is not business transport but which are specially equipped for that use and which are called "V.I.P."
- 2) small jet aircraft specially build for business transport (their high costs imply that they are seldom used on scheduled routes)
- 3) turboprop aircraft which are used for air taxi.

For the last 2 categories, and because of the large number of aircraft models, the study excludes those of which less than 10 units were in service for business transport (99% of the market).

The price of the business jets and turboprops is the standard price, e.a. the average selling price, excluding the cost of the equipment.

The value of the fleet is computed as follows:

- for aircraft which are no longer built, an average price is computed between the aircraft maximum price, its minimum price and its price after some improvements, between the first year of manufacturing and the last one.
- for aircraft still in production, the average price is estimated between the new helicopter price, weighted by a factor 2, its maximum price and its price after some improvements on aircraft of the first year of production.
- for aircraft in production for 3 years or less, the price of new aircraft is used.

A list of business aircraft and their categories is given in the following pages.

BUSINESS AIRCRAFT OF EC DESIGN				
Manufacturer	Model	Seats	Year	Average price 1987 (MIO ECUS)
Business jets				
AIRBUS	A300-600			44.500
AEROSPATIALE	CARAVELLE		1958-73	1.520
	CORVETTE	6-12	1972-79	0.358
BRITISH AEROSPACE	BAC 111	79	1963-82	1.510
	HS-125-400/600	7-8	1972-79	0.610
	HS-125-700	8-10	1977-84	3.033
	HS-125-800	2+8	1984--	5.400
DASSAULT BREGUET	FALCON 10/100	2+7	1973--	2.600
	FALCON 20/200	2+9	1965--	4.600
	FALCON 50	2+10	1978--	7.800
	FALCON 900			11.700
FOKKER	F-28		1967--	5.060
MBB	HANSA JET	9-15	1966-73	0.346
SOCATA	PARIS JET	4	1958-64	0.130
Business Turboprops				
BRITISH AEROSPACE	JETSTREAM 31	2+18	1967--	1.950
	HS-748	40/50	1961--	2.166
SHORT	SKYVAN	19	1966--	0.563
FOKKER	F-27	40/60	1957-85	0.867
PILATUS	PORTER	8/11	1965--	0.243

BUSINESS AIRCRAFT OF US DESIGN

Manufacturer	Model	Seats	Year	Average price 1987 (MIO ECUS)
Business jets				
BOEING	B-707/720		1957-79	1.950
	B-727		1963-84	3.360
	B-737		1967--	5.640
	B-747		1969--	18.200
MCDONNELL DOUGLAS	DC-8		1959--	1.090
	DC-9		1965-81	3.470
BEECH	BEECHJET (DIAMOND II)	2+7/9	1985--	3.000
CESSNA	CITATION I	2+5/7	1972-85	0.780
	CITATION II	2+10	1978--	2.512
	CITATION III	2+13	1982--	4.400
GATES LEARJET	LEARJET 23/24/25	2+6	1964-85	0.840
	LEARJET 25/26	2+10	1974--	1.700
	LEARJET 55	2+10	1980--	3.030
GULFSTREAM	G II	10/19	1966-80	4.660
	G III/IV	3/19	1979--	11.300
LOCKHEED	JETSTAR 6/8/731	2+10	1960-73	0.700
	JETSTAR II	2+10	1976-80	1.700
ROCKWELL	JET COMMANDER	2+8	1965-68	0.230
	SABER 40	2+8	1964-74	0.380
	SABER 60/65/75/80	2+10	1967-78	1.213

BUSINESS AIRCRAFT OF US DESIGN (continued)

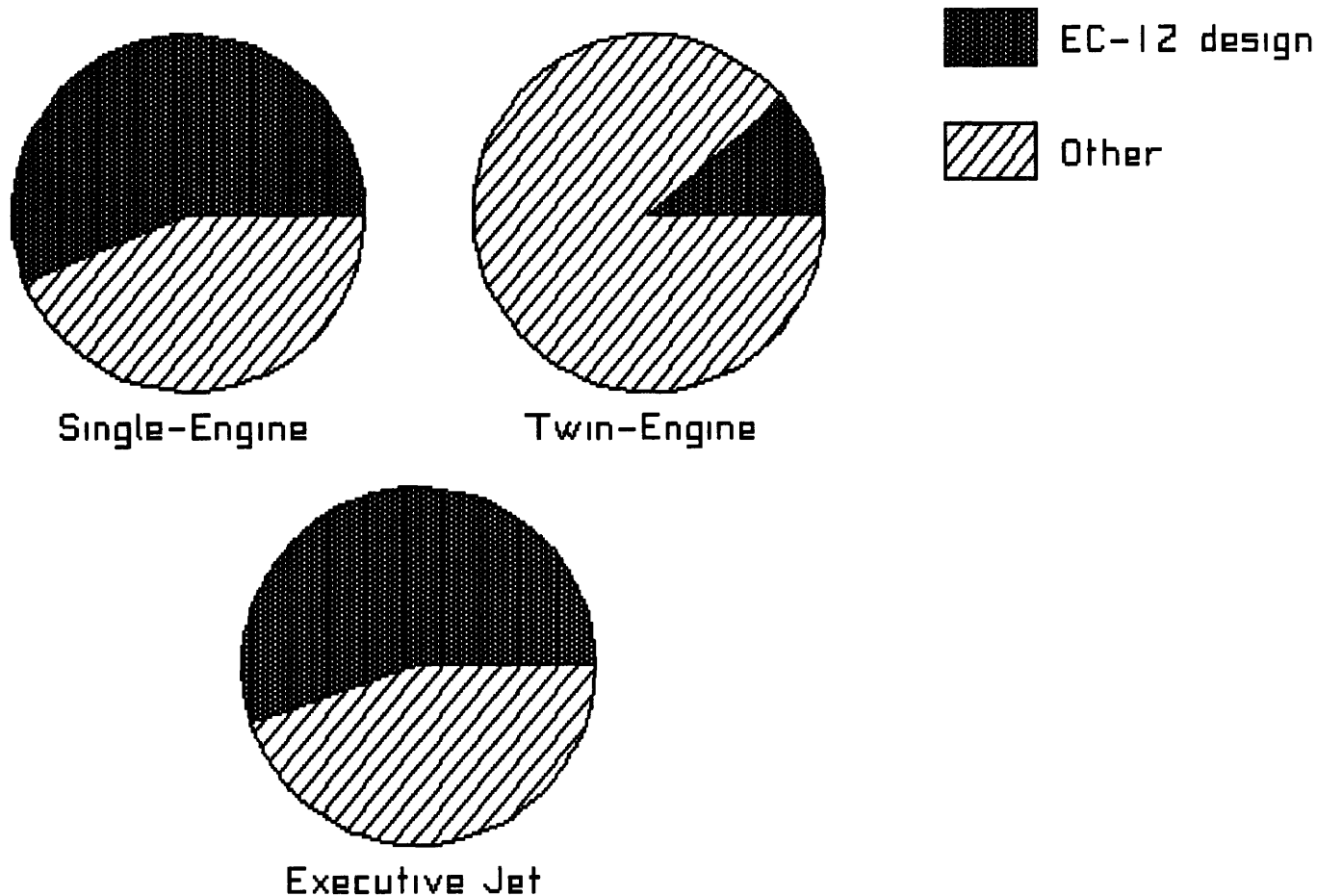
Manufacturer	Model	Seats	Year	Average price 1987 (MIO ECUS)
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Business Turboprops

BEECH	BEECH 18	10	1946-66	0.043
	KING AIR 90	1+9	1964--	0.867
	KING AIR 100	1+10	1969-83	0.606
	KING AIR 200	1+10	1973--	1.300
	KING AIR 300	1+10	1984--	2.166
CESSNA	C-421	1+7	1967-85	0.173
	C-425/441	1+10	1980--	0.693
CONVAIR	CV 580/640	56	1960-69	0.650
FAIRCHILD	F-27/FH-227	40	1958-68	0.520
	MERLIN II	2+6	1967-68	0.173
	MERLIN III	2+9	1970-83	0.563
	MERLIN IV	2+15	1971--	1.126
GULFSTREAM/ ROCKWELL	TURBO-COMMANDER	11	1966-69	0.087
	COM 681/690	9	1970-79	0.260
	COM 900/980/840	1+7/10	1980-85	0.745
	COM 1000	1+7/10	1981-85	0.953
	GULFSTREAM I	12/26	1959-69	0.520
	GOSSE	7/11	1933-45	0.152
PIPER	P-31T/1	1+8	1974--	0.443
	P-31T-2/2XL	1+10	1981--	0.867
	P-42/400	11	1980--	1.213

BUSINESS AIRCRAFT OF OTHER DESIGN				
Manufacturer	Model	Seats	Year	Average price 1987 (MIO ECUS)
Business jets				
CANADAIR	CL-600	2+19	1980-83	4.809
	CL-601	2+19	1982--	10.400
IAI	WESTWIND 1/2	2+10	1965--	2.600
	ASTRA	2+10	1985--	4.770
MITSUBISHI	DIAMOND	9/11	1981-85	2.166
Business Turboprops				
DE HAVILLAND	TWIN OTTER	22	1965--	0.520
	DASH-7	54	1977--	2.426
	TURBO BEAVER	8	1948-68	0.056
EMBRAER	EMB-110	2+18	1973--	1.040
	EMB-120/121	2+9	1979--	4.766
MITSUBISHI	MU-2	9	1967-85	0.381
	MARQUISE	11	1979-85	0.823

EC-12 LIGHT AIRCRAFT FLEET (1987)



LIGHT AIRCRAFT FLEET : UNITS

1) SINGLE-ENGINE

	BE	DK	DE	FR	HE(*)	IR	IT	LX	NL	UK	EC 10	ES(*)	PO	EC 12
1983	715	668	5,607	4,838	121	246	1,193	41	413	4,475	18,317	-	-	-
1984	652	690	5,546	4,756	130	218	1,201	43	395	4,548	18,179	-	-	-
1985	625	702	5,470	4,728	107	239	1,221	43	393	4,771	18,299	224	212	18,735
1986	599	679	5,488	4,846	107	249	1,235	43	408	4,745	18,399	224	232	18,855
1987	635	685	5,578	4,913	109	196	1,239	43	439	5,081	18,918	224	237	19,379

2) TWIN-ENGINE

	BE	DK	DE	FR	HE(*)	IR	IT	LX	NL	UK	EC 10	ES(*)	PO	EC 12
1983	68	127	695	571	10	40	227	5	69	973	2,785	-	-	-
1984	72	144	670	559	5	38	231	6	59	937	2,721	-	-	-
1985	51	183	652	561	10	28	234	7	63	958	2,747	31	31	2,809
1986	76	190	674	619	10	37	262	9	82	776	2,735	31	33	2,799
1987	67	195	718	623	11	31	265	8	71	784	2,773	31	34	2,838

3) EXECUTIVE JET

	BE	DK	DE	FR	HE(*)	IR	IT	LX	NL	UK	EC 10	ES(*)	PO	EC 12
1983	11	8	58	50	6	2	49	0	4	131	319	-	-	-
1984	4	8	58	52	0	2	54	1	4	84	267	-	-	-
1985	3	14	48	65	0	3	64	1	13	72	283	0	1	284
1986	6	10	48	71	0	3	80	0	5	70	293	0	0	293
1987	4	10	70	73	0	2	86	1	7	75	328	0	0	328

ECC - DG III / SOURCE: BUREAU VERITAS

(*) ESTIMATE: SPAIN (86-87), GREECE (86)

LIGHT AIRCRAFT FLEET : BREAKDOWN INTO COUNTRIES (AS % OF TOTAL EC 12)

1) SINGLE-ENGINE

	BE	DK	DE	FR	HE	IR	IT	LX	NL	UK	ES	PO
1983	3.9	3.6	30.6	26.4	0.7	1.3	6.5	0.2	2.3	24.4	-	-
1984	3.6	3.8	30.5	26.2	0.7	1.2	6.6	0.2	2.2	25.0	-	-
1985	3.4	3.8	29.9	25.8	0.6	1.3	6.7	0.2	2.1	26.1	1.2	1.2
1986	3.3	3.7	29.8	26.3	0.6	1.4	6.7	0.2	2.2	25.8	1.2	1.3
1987	3.4	3.6	29.5	26.0	0.6	1.0	6.5	0.2	2.3	26.9	1.2	1.3

2) TWIN-ENGINE

	BE	DK	DE	FR	HE	IR	IT	LX	NL	UK	ES	PO
1983	2.4	4.6	25.0	20.5	0.4	1.4	8.2	0.2	2.5	34.9	-	-
1984	2.6	5.3	24.6	20.5	0.2	1.4	8.5	0.2	2.2	34.4	-	-
1985	1.9	6.7	23.7	20.4	0.4	1.0	8.5	0.3	2.3	34.9	1.1	1.1
1986	2.8	6.9	24.6	22.6	0.4	1.4	9.6	0.3	3.0	28.4	1.1	1.2
1987	2.4	7.0	25.9	22.5	0.4	1.1	9.6	0.3	2.6	28.3	1.1	1.2

3) EXECUTIVE JET

	BE	DK	DE	FR	HE	IR	IT	LX	NL	UK	ES	PO
1983	3.4	2.5	18.2	15.7	1.9	0.6	15.4	0.0	1.3	41.1	-	-
1984	1.5	3.0	21.7	19.5	0.0	0.7	20.2	0.4	1.5	31.5	-	-
1985	1.1	4.9	17.0	23.0	0.0	1.1	22.6	0.4	4.6	25.4	0.0	0.4
1986	2.0	3.4	16.4	24.2	0.0	1.0	27.3	0.0	1.7	23.9	0.0	0.0
1987	1.2	3.0	21.3	22.3	0.0	0.6	26.2	0.3	2.1	22.9	0.0	0.0

ECC - DG III / SOURCE: BUREAU VERITAS

(*) ESTIMATE: SPAIN (86-87), GREECE (86)

LIGHT AIRCRAFT FLEET : MARKET SHARE OF EC 12-BUILT AIRCRAFT (AS % OF TOTAL)

1) SINGLE-ENGINE

	BE	DK	DE	FR	HE(*)	IR	IT	LX	NL	UK	EC 10	ES(*)	PO	EC 12
1983	36.6	27.2	59.5	67.9	14.0	49.2	56.6	31.7	14.5	39.8	53.1	-	-	-
1984	38.7	26.8	60.0	68.0	36.2	35.8	56.5	27.9	10.1	52.2	56.2	-	-	-
1985	38.1	26.1	59.9	67.8	36.4	56.5	55.4	30.2	14.5	48.6	55.4	28.1	24.5	54.8
1986	37.9	22.2	60.0	72.8	26.2	54.2	54.6	51.2	15.2	51.4	57.4	28.1	27.6	56.7
1987	38.7	19.7	59.0	71.2	16.5	46.9	54.5	51.2	15.3	53.4	56.9	28.1	27.8	56.2

2) TWIN-ENGINE

	BE	DK	DE	FR	HE(*)	IR	IT	LX	NL	UK	EC 10	ES(*)	PO	EC 12
1983	23.5	10.2	8.9	14.7	40.0	20.0	24.7	0.0	14.5	19.0	15.7	-	-	-
1984	20.8	9.7	9.0	8.9	80.0	18.4	25.5	0.0	3.4	20.3	14.7	-	-	-
1985	7.8	16.4	8.6	7.5	90.0	14.3	26.1	0.0	6.3	19.5	14.5	9.7	0.0	14.2
1986	7.9	10.0	8.2	6.1	90.0	18.9	24.8	11.1	8.5	14.9	11.8	9.7	15.2	11.8
1987	3.0	11.3	7.7	5.8	63.6	19.4	24.9	0.0	8.5	13.1	10.9	9.7	14.7	11.0

3) EXECUTIVE JET

	BE	DK	DE	FR	HE(*)	IR	IT	LX	NL	UK	EC 10	ES(*)	PO	EC 12
1983	18.2	62.5	37.9	66.0	0.0	50.0	61.2	-	50.0	82.4	63.6	-	-	-
1984	25.0	50.0	34.5	67.3	-	50.0	64.8	100.0	50.0	81.0	62.5	-	-	-
1985	33.3	28.6	43.8	73.8	-	66.7	57.8	100.0	30.8	77.8	61.5	-	0.0	61.3
1986	0.0	40.0	29.2	81.7	-	66.7	51.2	-	60.0	75.7	59.7	-	-	59.7
1987	0.0	40.0	27.1	80.8	-	50.0	47.7	100.0	57.1	69.3	55.2	-	-	55.2

ECC - DG III / SOURCE: BUREAU VERITAS

(*) ESTIMATE: SPAIN (86-87), GREECE (86)

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : TOTAL (IN NUMBER)

UNITS

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	890	290	363	385	693	374	10,435	167	13,597
1987	1,051	305	380	407	759	393	10,301	202	13,798

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	6.5	2.1	2.7	2.8	5.1	2.8	76.7	1.2
1987	7.6	2.2	2.8	2.9	5.5	2.8	74.7	1.5

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	27.8	14.8	23.7	20.8	2.7	11.5	9.6	13.2	11.3
1987	26.3	14.8	23.2	20.6	2.9	11.2	9.9	15.8	11.7

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	16.0	2.8	5.6	5.2	1.2	2.8	64.9	1.4
1987	17.1	2.8	5.4	5.2	1.4	2.7	63.4	2.0

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : TOTAL (IN VALUE)

MIO ECUS

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	1,811.0	660.0	806.6	1,278.9	1,091.9	576.4	19,394.3	322.2	25,941.2
1987	1,803.3	575.9	722.7	1,242.8	1,016.8	500.7	17,328.1	363.2	23,553.5

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	7.0	2.5	3.1	4.9	4.2	2.2	74.8	1.2
1987	7.7	2.4	3.1	5.3	4.3	2.1	73.6	1.5

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	47.8	31.5	33.4	26.2	4.1	23.9	21.3	34.4	23.5
1987	45.5	35.7	33.7	31.2	5.0	23.2	21.8	38.9	24.4

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	14.2	3.4	4.4	5.5	0.7	2.3	67.7	1.8
1987	14.3	3.6	4.2	6.8	0.9	2.0	65.8	2.5

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : TOTAL (IN NUMBER)

UNITS

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	20	45	188	34	218	2	12	124	1	26	2	218
1987	21	57	218	48	255	1	13	169	2	22	3	242

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	2.2	5.1	21.1	3.8	24.5	0.2	1.3	13.9	0.1	2.9	0.2	24.5
1987	2.0	5.4	20.7	4.6	24.3	0.1	1.2	16.1	0.2	2.1	0.3	23.0

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	8.9	16.0	26.5	36.7	0.0	25.0	32.3	100.0	26.9	0.0	33.5
1987	0.0	8.8	14.7	37.5	35.3	0.0	23.1	26.6	100.0	27.3	0.0	31.0

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	1.6	12.1	3.6	32.4	0.0	1.2	16.2	0.4	2.8	0.0	29.6
1987	0.0	1.8	11.6	6.5	32.6	0.0	1.1	16.3	0.7	2.2	0.0	27.2

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : TOTAL (IN VALUE)

MIO ECUS

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	44.4	63.7	324.7	54.3	463.2	3.9	21.4	344.1	8.6	60.1	1.4	421.1
1987	37.8	63.0	310.9	79.6	434.4	1.3	30.8	390.0	19.5	47.1	1.4	387.6

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	2.5	3.5	17.9	3.0	25.6	0.2	1.2	19.0	0.5	3.3	0.1	23.3
1987	2.1	3.5	17.2	4.4	24.1	0.1	1.7	21.6	1.1	2.6	0.1	21.5

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	17.1	33.9	42.9	60.0	0.0	25.0	60.0	100.0	59.4	0.0	44.5
1987	0.0	13.8	31.5	60.9	61.0	0.0	13.0	48.6	100.0	63.9	0.0	40.5

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	1.3	12.7	2.7	32.1	0.0	0.6	23.9	1.0	4.1	0.0	21.6
1987	0.0	1.1	11.9	5.9	32.3	0.0	0.5	23.1	2.4	3.7	0.0	19.2

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : V.I.P. (IN NUMBER)

UNITS

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	6	5	15	31	1	7	68	1	134
1987	7	4	17	34	1	7	64	3	137

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	4.5	3.7	11.2	23.1	0.7	5.2	50.7	0.7
1987	5.1	2.9	12.4	24.8	0.7	5.1	46.7	2.2

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	0.0	20.0	20.0	0.0	0.0	0.0	1.5	0.0	3.7
1987	14.3	0.0	17.6	5.9	0.0	0.0	1.6	0.0	5.1

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	0.0	20.0	60.0	0.0	0.0	0.0	20.0	0.0
1987	14.3	0.0	42.9	28.6	0.0	0.0	14.3	0.0

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : V.I.P. (IN VALUE)

MIO ECUS

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	23.6	18.5	43.3	176.3	6.6	33.0	259.4	4.1	564.8
1987	1,540.3	1,504.1	40.9	243.3	5.6	28.2	206.3	10.1	570.6

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	4.2	3.3	7.7	31.2	1.2	5.8	45.9	0.7
1987	269.9	263.6	7.2	42.6	1.0	4.9	36.2	1.8

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	0.0	9.3	12.0	0.0	0.0	0.0	0.7	0.0	1.5
1987	0.0	0.1	11.2	37.4	0.0	0.0	0.7	0.0	17.3

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	0.0	20.0	60.0	0.0	0.0	0.0	20.0	0.0
1987	0.0	1.5	4.6	92.3	0.0	0.0	1.5	0.0

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : V.I.P. (IN NUMBER)

UNITS

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0	0	0	0	0	0	0	0	0	0	0	6
1987	0	0	0	0	1	0	0	0	0	0	0	6

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
1987	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	85.7

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	-	-	-	-	-	-	-	-	-	-	-	-
1987	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : V.I.P. (IN VALUE)

MIO ECUS

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6
1987	0.0	0.0	0.0	0.0	1,520.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
1987	0.0	0.0	0.0	0.0	98.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	-	-	-	-	-	-	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	-	-	-	-

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : JETS = V.I.P. + OTHER JETS (IN NUMBER)

UNITS

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	429	135	140	216	186	192	4,626	63	5,987
1987	494	142	150	218	216	205	4,679	79	6,183

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	7.2	2.3	2.3	3.6	3.1	3.2	77.3	1.1
1987	8.0	2.3	2.4	3.5	3.5	3.3	75.7	1.3

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	52.2	27.4	50.7	32.4	7.5	20.8	20.9	33.3	24.1
1987	50.8	27.5	48.7	33.9	7.9	20.0	21.2	39.2	24.6

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	15.5	2.6	4.9	4.8	1.0	2.8	67.0	1.5
1987	16.5	2.6	4.8	4.9	1.1	2.7	65.4	2.0

ECC - DG III / SOURCE: IATA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : JETS = V.I.P. + OTHER JETS (IN VALUE)

MIO ECUS

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	1,282.3	510.1	553.0	1,105.4	418.2	418.7	13,861.7	218.1	18,367.5
1987	1,273.7	443.1	500.1	1,074.9	403.0	365.8	12,838.2	260.8	17,159.6

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	7.0	2.8	3.0	6.0	2.3	2.3	75.5	1.2
1987	7.4	2.6	2.9	6.3	2.3	2.1	74.8	1.5

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	63.8	39.4	45.7	29.6	10.2	32.4	29.6	50.4	32.6
1987	61.8	45.2	46.1	35.6	12.1	31.3	29.3	53.9	33.0

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	13.7	3.4	4.2	5.5	0.7	2.3	68.5	1.8
1987	13.9	3.5	4.1	6.7	0.9	2.0	66.4	2.5

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : JETS = V.I.P. + OTHER JETS (IN NUMBER)

UNITS

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	5	15	65	17	102	1	8	95	1	15	0	105
1987	8	16	76	27	110	0	9	119	2	10	0	117

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	1.2	3.5	15.2	4.0	23.8	0.2	1.9	22.1	0.2	3.5	0.0	24.5
1987	1.6	3.2	15.4	5.5	22.3	0.0	1.8	24.1	0.4	2.0	0.0	23.7

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	26.7	30.8	52.9	74.5	0.0	37.5	42.1	100.0	40.0	0.0	61.9
1987	0.0	31.3	28.9	66.7	77.3	0.0	33.3	36.1	100.0	50.0	0.0	58.1

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	1.8	8.9	4.0	33.9	0.0	1.3	17.9	0.4	2.7	0.0	29.0
1987	0.0	2.0	8.8	7.2	33.9	0.0	1.2	17.1	0.8	2.0	0.0	27.1

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : JETS = V.I.P. + OTHER JETS (IN VALUE)

MIO ECUS

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	8.0	36.7	181.0	40.6	341.0	2.5	17.2	316.6	8.6	47.6	0.0	282.6
1987	8.2	28.0	174.4	68.1	306.3	0.0	26.6	349.5	19.5	35.5	0.0	257.5

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.6	2.9	14.1	3.2	26.6	0.2	1.3	24.7	0.7	3.7	0.0	22.0
1987	0.6	2.2	13.7	5.3	24.1	0.0	2.1	27.4	1.5	2.8	0.0	20.2

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	29.6	46.6	57.4	81.1	0.0	31.3	65.2	100.0	74.4	0.0	59.3
1987	0.0	31.0	45.3	71.3	86.1	0.0	15.0	54.1	100.0	84.1	0.0	56.1

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	1.3	10.3	2.8	33.8	0.0	0.7	25.2	1.1	4.3	0.0	20.5
1987	0.0	1.1	10.0	6.2	33.5	0.0	0.5	24.0	2.5	3.8	0.0	18.4

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : TURBOPROPS (IN NUMBER)

UNITS

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	461	155	223	169	507	182	5,809	104	7,610
1987	557	163	230	189	543	188	5,622	123	7,615

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	6.1	2.0	2.9	2.2	6.7	2.4	76.3	1.4
1987	7.3	2.1	3.0	2.5	7.1	2.5	73.8	1.6

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	5.0	3.9	6.7	5.9	1.0	1.6	0.6	1.0	1.2
1987	4.5	3.7	6.5	5.3	0.9	1.6	0.6	0.8	1.3

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	24.2	6.3	15.8	10.5	5.3	3.2	33.7	1.1
1987	26.0	6.3	15.6	10.4	5.2	3.1	32.3	1.0

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : TURBOPROPS (IN VALUE)

MIO ECUS

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	528.7	149.9	253.6	173.5	673.7	157.7	5,532.6	104.1	7,573.7
1987	529.7	132.8	222.6	167.9	613.8	134.8	4,489.8	102.4	6,393.9

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	7.0	2.0	3.3	2.3	8.9	2.1	73.0	1.4
1987	8.3	2.1	3.5	2.6	9.6	2.1	70.2	1.6

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA	WORLD
1986	8.8	4.5	6.6	4.5	0.4	1.4	0.4	1.1	1.4
1987	6.3	3.8	5.6	3.5	0.3	1.3	0.4	0.8	1.2

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	AFRICA	ASIA	SOUTH AMERICA	CENTRAL AMERICA	NORTH AMERICA	AUSTRAL ASIA
1986	43.2	6.3	15.6	7.3	2.2	2.1	22.3	1.0
1987	42.1	6.4	15.7	7.4	2.3	2.1	22.8	1.1

ECC - DG III / SOURCE: ITA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : TURBOPROPS (IN NUMBER)

UNITS

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	15	30	123	17	116	1	4	29	0	11	2	113
1987	13	41	142	21	145	1	4	50	0	12	3	125

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	3.3	6.5	26.7	3.7	25.2	0.2	0.9	6.3	0.0	2.4	0.4	24.5
1987	2.3	7.4	25.5	3.8	26.0	0.2	0.7	9.0	0.0	2.2	0.5	22.4

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	8.1	0.0	3.4	0.0	0.0	0.0	0.0	9.1	0.0	7.1
1987	0.0	0.0	7.0	0.0	3.4	0.0	0.0	4.0	0.0	8.3	0.0	5.6

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	43.5	0.0	17.4	0.0	0.0	0.0	0.0	4.3	0.0	34.8
1987	0.0	0.0	40.0	0.0	20.0	0.0	0.0	8.0	0.0	4.0	0.0	28.0

ECC - DG III / SOURCE: IATA

BUSINESS AIRCRAFT IN SERVICE AT 31.12 : TURBOPROPS (IN VALUE)

MIO ECUS

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	36.4	27.0	143.8	13.7	122.2	1.3	4.3	27.5	0.0	12.5	1.4	138.5
1987	29.6	35.0	136.5	11.5	128.1	1.3	4.2	40.5	0.0	11.6	1.4	130.1

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	6.9	5.1	27.2	2.6	23.1	0.2	0.8	5.2	0.0	2.4	0.3	26.2
1987	5.6	6.6	25.8	2.2	24.2	0.2	0.8	7.6	0.0	2.2	0.3	24.6

MARKET SHARE WON BY EC 12-BUILT BUSINESS AIRCRAFT (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	17.9	0.0	1.0	0.0	0.0	0.0	0.0	2.4	0.0	14.1
1987	0.0	0.0	13.8	0.0	0.9	0.0	0.0	1.2	0.0	2.1	0.0	9.8

BREAKDOWN OF EC 12-BUILT BUSINESS AIRCRAFT FLEET INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1986	0.0	0.0	55.0	0.0	2.5	0.0	0.0	0.0	0.0	0.6	0.0	41.8
1987	0.0	0.0	56.3	0.0	3.6	0.0	0.0	1.5	0.0	0.7	0.0	37.9

ECC - DG III / SOURCE: ITA

3. The figures on the civil and para-public helicopter fleet are provided by AEROSPATIALE.

4. The data on the commercial helicopter fleet (in value and units) are prepared by I.T.A. (Air Transport Institute, Paris).

The study includes the "civil helicopters". Therefore some helicopters used by public authorities are included while they may also be included in the military helicopters fleet given in chapter 4.

The analysis covers the following geographical areas:

- EC 12 (source: BUREAU VERITAS)
- Other Europe: Austria, Cyprus, Finland, Gibraltar, Greenland, Iceland, Liechtenstein, Malta, Monaco, Norway, Sweden, Switzerland, Turkey, Yugoslavia (source: Aviation Data Wichita)
- USA (source: Aviation Data Wichita)
- Rest of the world (source: Aviation Data Wichita)

The value of the civil helicopter fleet is computed as follows:

- for helicopters which are no longer built, an average price is computed between the helicopter maximum price, its minimum price and its price after some improvements, between the first year of manufacturing and the last one.
- for helicopters still in production, the average price is estimated between the new helicopter price, weighted by a factor 2, and its maximum price, its minimum price and its price after some improvements on helicopters of the first year of production.
- for helicopters in production for 3 years or less, the price of new helicopter is used.

A list of commercial helicopters covered by the study is given in the following pages.

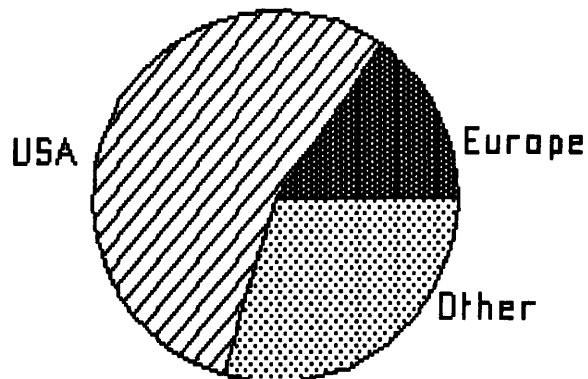
HELICOPTERS OF EC DESIGN

Manufacturer	Model		Seats	Year	Average Price 1987 (MIO ECUS)
AEROSPATIALE	Lama	SA315B	5	1971--	0.295
	Alouette III	SA316	7	1966-81	0.208
	Alouette II	SA318C	5	1969-75	0.085
	Alouette III	SA319	7	1974-76	0.217
	Puma	SA330J	18-22	1974-80	1.473
	SuperPuma	SA332C	23	1982--	3.038
	SuperPuma	SA332L	22	1982--	4.073
	Gazelle	SA341G	5	1972-80	0.147
	Ecureuil	AS350	6	1978--	0.303
	Ecureuil/2	AS355	6	1981--	0.624
	Dauphin	SA360	14	1976-80	0.477
	Dauphin/2	SA365	14	1977-81	0.797
	Dauphin/2	SA365N	14	1981-	1.646
	AGUSTA	A 109A		8	1975--
MBB	BO-105		5	1973--	0.650
	BK-117		11	1983--	1.127
WESTLAND	WG-30 (all series)		20	1983--	2.426
	WESSEX 60		19	1965--	0.477

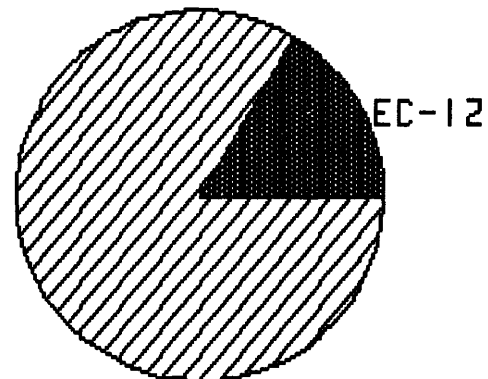
HELICOPTERS OF US DESIGN				
Manufacturer	Model	Seats	Year	1987 Price (MIO ECUS)
AGUSTA BELL	A-204/205	10	1965-67	0.256
	A-206B	5	1966-77	0.278
	A-212	15	1971---	1.300
	A-412	15	1981---	1.854
BELL	47 * (series)	3-4	1957-73	0.035
	204B	10	1965-67	0.256
	205A	15	1968-80	0.451
	Jet Ranger 206 A,B	5	1966---	0.278
	Long Range 206L	7	1975---	0.364
	B-212	15	1971---	1.300
	B-214B	16	1976-81	1.040
	B-214ST	20	1982---	3.813
	B-222	8-10	1980---	1.040
	B-412	15	1981---	1.854
BOEING VERTOL	B-107	28	1961-65	5.025
	B-234	47	1981---	12.565
ENSTRÖM	F-28 (series)	3	1966--	0.069
	F-280	3	1974--	0.087
FAIRCHILD	FH-1100	5	1966-72	0.104
HILLER	UH-12 (series)	3-4	1959-83	0.095
HUGHES (MCDD)	269/300	2-3	1961-83	0.052
	369/500	7	1969--	0.312
ROBINSON	R-22 (series)	2	1977--	0.061
SIKORSKY	S-55	12	1949-61	0.052
	S-58	20	1953-77	0.321
	S-61	30	1968-79	1.560
	S-62	12	1960-70	0.104
	S-64	3-5	1972--	5.199
	S-76A	14	1979--	2.166

* Agusta Bell 47 are included in Bell 47.

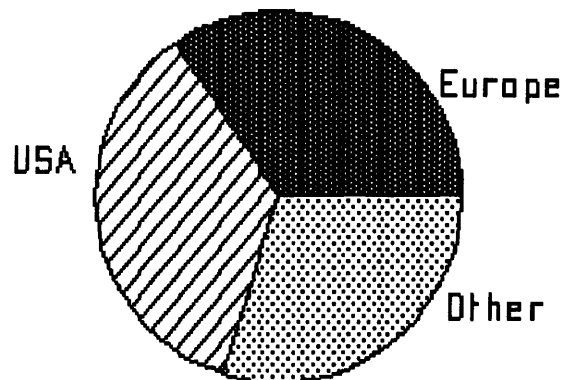
CIVIL HELICOPTERS IN SERVICE (1987)



BREAKDOWN BY AREA



EC-12 MARKET SHARE



EC-12 MARKETS

CIVIL AND PARAPUBLIC HELICOPTER FLEET IN THE EC 12 AND NORTH AMERICA AT 31.12 (UNITS)

	EC 12				USA		
	TOTAL	AS % OF TOTAL			TOTAL	AS % OF TOTAL	
		DESIGN ORIGIN		LICENCE (1)		DESIGN ORIGIN	
		EC 12	USA			EC 12	USA
1960....	176	22.7	77.3	48.3	-	-	-
1965....	406	33.0	67.0	30.0	1,854	0.6	99.4
1970....	598	27.6	72.4	32.4	2,980	1.1	98.9
1975....	1,023	32.7	67.3	22.0	4,803	3.3	96.7
1980....	1,477	36.4	63.6	23.0	7,259	6.3	93.7
1981....	1,614	37.7	62.3	20.8	7,735	7.4	92.6
1982....	1,709	38.4	61.6	20.6	7,947	8.5	91.5
1983....	1,775	40.5	59.5	20.1	8,192	8.7	91.3
1984....	1,829	42.2	57.8	19.5	8,469	9.1	90.9
1985....	1,840	43.5	56.5	18.5	8,540	9.7	90.3
1986....	1,918	43.8	56.2	17.2	8,577	10.6	89.4
1987....	2,067	44.1	55.9	16.3	8,409	11.0	89.0

(1) HELICOPTERS OF US DESIGN MANUFACTURED IN EC 12 UNDER LICENCE (AS % OF TOTAL)

ECC - DG III / SOURCE: AEROSPATIALE

CIVIL AND PARAPUBLIC HELICOPTER FLEET IN THE EC 12 AT 31.12 (UNITS)

1) FLEET

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1960....	10	0	14	0	82	0	0	32	0	3	0	35
1965....	2	6	75	16	148	2	2	49	0	7	3	96
1970....	13	11	121	31	155	4	6	66	0	17	1	173
1975....	26	22	247	59	227	8	6	85	0	29	9	305
1980....	26	37	334	68	383	18	13	133	0	26	6	433
1981....	28	44	356	76	407	19	15	158	0	31	8	472
1982....	26	41	368	83	451	23	14	181	0	31	7	484
1983....	28	36	383	91	467	22	13	201	0	36	9	489
1984....	25	34	399	92	487	25	14	218	0	39	8	488
1985....	24	37	400	86	475	25	16	224	0	41	8	504
1986....	27	37	425	99	496	25	15	227	0	42	11	514
1987....	25	40	436	119	555	31	16	264	0	33	14	534

ECC - DG III / SOURCE: AEROSPATIALE

CIVIL AND PARAPUBLIC HELICOPTER FLEET IN THE EC 12 AT 31.12 (UNITS)

2) MARKET SHARE WON BY EC 12-PRODUCTS (%)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1960....	0.0	-	7.1	-	41.5	-	-	6.3	-	100.0	-	0.0
1965....	50.0	0.0	40.0	0.0	61.5	0.0	0.0	10.2	-	57.1	100.0	0.0
1970....	38.5	0.0	30.6	9.7	63.9	50.0	33.3	7.6	-	41.2	0.0	2.9
1975....	34.6	0.0	37.7	25.4	67.0	75.0	33.3	16.5	-	65.5	11.1	7.9
1980....	34.6	0.0	44.6	30.9	60.1	33.3	7.7	43.6	-	53.8	0.0	11.5
1981....	32.1	0.0	48.6	32.9	62.9	31.6	6.7	43.0	-	54.8	0.0	11.2
1982....	34.6	0.0	46.2	32.5	62.1	30.4	7.1	42.0	-	48.4	0.0	14.7
1983....	32.1	5.6	43.9	35.2	63.0	40.9	15.4	40.8	-	50.0	11.1	20.9
1984....	36.0	5.9	45.1	41.3	63.0	32.0	14.3	41.7	-	48.7	12.5	23.6
1985....	41.7	8.1	45.5	40.7	67.2	32.0	18.8	41.5	-	48.8	12.5	25.0
1986....	40.7	10.8	44.0	44.4	66.1	24.0	20.0	45.4	-	42.9	18.2	26.3
1987....	44.0	10.0	45.0	47.9	63.8	19.4	18.8	49.6	-	39.4	28.6	24.9

ECC - DG III / SOURCE: AEROSPATIALE

CIVIL HELICOPTERS IN SERVICE AT 31.12 (UNITS)

FLEET

	EC 12	REST OF EUROPE	USA	REST OF THE WORLD	TOTAL
1984	1,751	424	9,115	4,038	15,328
1985	1,836	489	9,348	4,414	16,087
1986	1,938	548	9,577	4,802	16,865
1987	2,023	582	9,479	5,088	17,172

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	USA	REST OF THE WORLD
1984	11.4	2.8	59.5	26.3
1985	11.4	3.0	58.1	27.4
1986	11.5	3.2	56.8	28.5
1987	11.8	3.4	55.2	29.6

MARKET SHARE WON BY EC 12-BUILT HELICOPTERS (AS % OF TOTAL)

	EC 12	REST OF EUROPE	USA	REST OF THE WORLD	TOTAL
1984	38.5	21.7	10.0	13.7	14.6
1985	39.7	26.0	10.2	14.5	15.2
1986	40.7	27.2	10.4	15.7	15.9
1987	40.1	28.0	10.6	16.5	16.5

BREAKDOWN OF EC 12-BUILT HELICOPTERS INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	USA	REST OF THE WORLD
1984	30.2	4.1	40.9	24.8
1985	29.8	5.2	39.0	26.1
1986	29.3	5.5	37.0	28.1
1987	28.7	5.8	35.7	29.8

CIVIL HELICOPTERS IN SERVICE AT 31.12 (UNITS)

FLEET

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK	EC 12
1984	20	33	397	51	419	22	12	247	1	33	11	505	1,751
1985	18	41	412	66	435	22	13	259	1	35	12	522	1,836
1986	20	39	434	69	459	25	16	282	0	39	14	541	1,938
1987	20	31	443	83	482	28	17	308	0	32	18	561	2,023

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1984	0.3	2.3	14.8	2.6	13.6	0.7	1.0	9.4	0.0	3.7	0.1	51.4
1985	0.3	3.3	15.3	2.9	12.3	0.6	0.8	10.1	0.0	4.1	0.1	50.0
1986	0.4	3.2	16.1	2.9	11.9	0.6	1.0	11.3	0.0	4.2	0.1	48.2
1987	0.4	2.4	17.6	3.3	12.2	0.6	1.0	12.7	0.0	3.0	0.3	46.5

MARKET SHARE WON BY EC 12-BUILT HELICOPTERS (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK	EC 12
1984	5.0	9.1	46.3	49.0	52.3	36.4	16.7	37.2	100.0	39.4	9.1	25.0	38.5
1985	11.1	9.8	46.6	48.5	55.4	31.8	23.1	37.5	100.0	42.9	8.3	25.7	39.7
1986	15.0	7.7	46.3	47.8	55.3	32.0	25.0	41.5	-	43.6	14.3	27.0	40.7
1987	15.0	12.9	46.3	47.0	53.3	28.6	23.5	43.2	-	34.4	22.2	25.7	40.1

ECC - DG III / SOURCE: ITA

CIVIL HELICOPTERS IN SERVICE AT 31.12 (VALUE)

FLEET

	EC 12	REST OF EUROPE	USA	REST OF THE WORLD	TOTAL
1984	1,284.4	353.5	3,655.4	1,975.0	7,268.3
1985	1,248.6	347.1	3,861.5	2,061.8	7,519.0
1986	1,196.0	353.8	3,325.0	2,224.2	7,099.0
1987	1,016.9	311.1	3,012.5	2,082.6	6,423.0

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	USA	REST OF THE WORLD
1984	17.7	4.9	50.3	27.2
1985	16.6	4.6	51.4	27.4
1986	16.8	5.0	46.8	31.3
1987	15.8	4.8	46.9	32.4

MARKET SHARE WON BY EC 12-BUILT HELICOPTERS (AS % OF TOTAL)

	EC 12	REST OF EUROPE	USA	REST OF THE WORLD	TOTAL
1984	53.1	27.7	16.6	21.6	24.9
1985	53.0	37.3	16.3	22.2	25.0
1986	56.6	35.8	19.4	24.7	28.1
1987	56.5	35.5	19.3	25.9	28.1

BREAKDOWN OF EC 12-BUILT HELICOPTERS INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	EC 12	REST OF EUROPE	USA	REST OF THE WORLD
1984	37.6	5.4	33.5	23.5
1985	35.2	6.9	33.5	24.4
1986	33.9	6.3	32.3	27.5
1987	31.8	6.1	32.2	29.8

ECC - DG III / SOURCE: ITA

CIVIL HELICOPTERS IN SERVICE AT 31.12 (VALUE)

FLEET

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK	EC 12
1984	3.6	29.9	190.1	33.7	174.8	8.6	12.7	121.3	0.3	47.5	1.5	660.4	1,284.4
1985	4.3	41.7	191.5	35.7	153.8	8.0	10.0	125.5	0.4	51.3	1.5	624.9	1,248.6
1986	4.6	38.0	192.4	35.0	142.2	7.6	12.2	135.4	0.0	50.4	1.7	576.5	1,196.0
1987	4.0	24.5	178.6	33.6	124.3	6.2	10.3	128.9	0.0	30.5	2.6	473.3	1,016.9

BREAKDOWN INTO GEOGRAPHICAL ZONES (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1984	0.3	2.3	14.8	2.6	13.6	0.7	1.0	9.4	0.0	3.7	0.1	51.4
1985	0.3	3.3	15.3	2.9	12.3	0.6	0.8	10.1	0.0	4.1	0.1	50.0
1986	0.4	3.2	16.1	2.9	11.9	0.6	1.0	11.3	0.0	4.2	0.1	48.2
1987	0.4	2.4	17.6	3.3	12.2	0.6	1.0	12.7	0.0	3.0	0.3	46.5

MARKET SHARE WON BY EC 12-BUILT HELICOPTERS (AS % OF TOTAL)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK	EC 12
1984	7.7	38.3	67.8	61.4	83.6	40.8	7.5	59.5	100.0	38.7	25.5	42.1	53.1
1985	44.2	25.2	67.7	64.1	83.8	44.5	9.1	57.6	100.0	38.7	24.7	43.3	53.0
1986	44.1	27.0	70.0	64.6	82.7	43.5	13.4	59.1	-	39.4	38.6	49.3	56.6
1987	40.8	35.7	68.0	63.4	79.9	57.4	14.3	60.9	-	28.4	42.4	48.4	56.5

ECC - DG III / SOURCE: ITA

MILITARY AIRCRAFT

Chapter

4

1. Data relating to military aircraft cover the number of military aircraft in service in the world. Military aircraft in long term storage have been excluded. Warsaw Pact and PRC fleets have been excluded throughout, however military aircraft exported by these countries have been included in the relevant category under "Other" design origin.

The criteria used to define a military aircraft is that it is not registered on a civil register. Therefore a commercial aircraft used by public authorities may be included while it is already included in the civil transport aircraft fleets presented in chapters 2 or 3.

Military aircraft are broken down as follows:

- by category,
- by design origin,
- by geographical areas.

Military aircraft are broken down into the following categories:

- interceptor/air superiority
- fighter/attack
- attack
- bomber/interdictor
- AEW/Maritime Patrol/Electronics
- Advanced Trainer/Light Attack
- Elementary/Basic Trainer
- Transport - tactical/Strategic/Tanker
- Transport - VIP/liaison/communication
- helicopters

Flight refuelling tankers have been included in the tactical/strategic transport category since the majority have dual transport role.

Military aircraft are also broken down according to design origin:

- EC,
- USA,
- other.

Design origin reflects country of original design and not necessarily the country of production and/or assembly.

Military aircraft are broken down into the following geographical areas:

- EC 12
- EUR : Austria, Cyprus, Finland, Iceland, Malta, Norway, Sweden, Switzerland, Turkey, Yugoslavia
- USA
- Canada
- Latin America and Caribbean
- Middle East and North Africa
- Africa (south of Sahara)
- Republic of South Africa
- Asia
- Australasia

A list of military aircraft is given in the following pages.

MILITARY AIRCRAFT OF EC DESIGN		
Manufacturer	Model	Average price (MIO ECUS) (*)
AERITALIA	G-222	17.2 - 20.4
AERMACCHI	MB-339	5 - 7.5
AEROSPATIALE	Epsilon TB-30	0.55 - 0.91
	SuperPuma SA332	7.5 - 9.1
	Gazelle SA341	0.75 - 1.58
	Dauphin SA365	2.3 - 2.74
AERMACCHI	A-129	4.75 - 6.92
BRITISH AEROSPACE	Hawk	7.6 - 9.9
CASA	C-101 Aviojet	5.06 - 7.1
	C-212 Aviocar	3.15 - 4.15
DASSAULT-BREGUET	Mirage 2000	25.3 - 34.4
	Mirage F.1	16.2 - 28.68
	Alpha Jet	8.31 - 11.1
MBB	BO-105	1.38 - 1.54
PANAVIA	Tornado	39.55 - 58.5
SIAI-MARCHETTI	S-211	2.37 - 2.65
	SF-260 TP	0.6 - 0.72
WESTLAND	Lynx	4.07 - 5.54

* Average programme unit costs in 1987 including fly-away cost of aircraft, initial spares, ground support equipment, R&D levies and other associated costs divided by the number of aircraft procured.

MILITARY AIRCRAFT OF US DESIGN			
Manufacturer	Model		Average price (MIO ECUS) (*)
BELL	Cobra		6.92 - 10.5
BOEING VERTOL	CH-47C	Chinook	14.7 - 17.5
GENERAL DYNAMICS	F-16	Fighting Falcon	21.6 - 31.5
GRUMMAN	A-6E	Intruder	28.0 - 31.0
	E-2C	Hawkeye	45.5 - 62.1
	F-14	Tomcat	35.2 - 45.3
LOCKHEED	C-130	Hercules	19.1 - 29.25
	P-3C	Orion	37.0 - 50.0
MCDONNELL DOUGLAS	AH-64	Apache	7.6 - 11.62
	F-15	Eagle	36.25 - 43.9
	F/A-18	Hornet	32.4 - 41.5
SIKORSKY	CH-53E	Super Stallion	15.0 - 23.0
	UH-60	Blackhawk	6.4 - 9.9
	SH-60	Seahawk	17 - 21.9

* Average programme unit costs in 1987 including fly-away cost of aircraft, initial spares, ground support equipment, R&D levies and other associated costs divided by the number of aircraft procured.

MILITARY AIRCRAFT OF OTHER DESIGN			
Manufacturer	Model		Average price (MIO ECUS) (*)
DE HAVILLAND	DHC-5	Buffalo	9.0 - 10.0
	DHC-6	Twin Otter	2.1 - 2.4
EMBRAER	EMB-312	Tucano	1.46 - 2.02
IAI	Arava		4.07 - 4.2
	Kfir		12.25 - 13.25
PILATUS	PC-7	Turbo-trainer	1.45 - 2.02
	PC-9		2.22 - 2.57
SAAB	JAS39	GRIPEN	31.25 - 46.27

* Average programme unit costs in 1987 including fly-away cost of aircraft, initial spares, ground support equipment, R&D levies and other associated costs divided by the number of aircraft procured.

MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : INTERCEPTOR/AIR SUPERIORITY (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	124	0	0	0	0	53	0	0	0	0	177
1980	71	0	0	0	0	30	0	0	0	0	101
1985	99	0	0	0	0	22	0	0	23	0	144
1986	120	0	0	0	0	4	0	0	40	0	164
1987	144	0	0	0	0	19	0	0	44	0	207

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	65	39	1,374	62	0	0	0	0	0	0	1,540
1980	30	0	1,226	40	0	100	0	0	24	0	1,420
1985	19	0	1,275	0	0	167	0	0	69	0	1,530
1986	19	0	1,314	0	0	175	0	0	101	0	1,609
1987	19	0	1,355	0	0	172	0	0	109	0	1,655

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	64	0	0	0	0	64
1985	0	0	0	0	0	155	0	0	8	0	163
1986	0	0	0	0	0	156	0	0	20	0	176
1987	0	0	0	0	0	196	0	0	52	0	248

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	189	39	1,374	62	0	53	0	0	0	0	1,717
1980	101	0	1,226	40	0	194	0	0	24	0	1,585
1985	118	0	1,275	0	0	344	0	0	100	0	1,837
1986	139	0	1,314	0	0	335	0	0	161	0	1,949
1987	163	0	1,355	0	0	387	0	0	205	0	2,110

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
 CDN - CANADA..... AFR - AFRICA SOUTH OF SAHARA..... AUS - AUSTRALASIA
 LAT - LATIN AMERICA AND CARIBBEAN..... SAF - REPUBLIC OF SOUTH AFRICA

MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : FIGHTER/ATTACK (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,441	416	0	0	165	397	32	66	465	103	3,085
1980	1,287	342	0	0	194	369	46	98	221	91	2,648
1985	1,064	248	0	0	245	552	44	95	237	75	2,560
1986	1,023	207	0	0	249	544	37	94	188	68	2,410
1987	988	206	0	0	246	521	41	92	187	47	2,328

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,879	673	3,904	269	166	653	26	12	1,554	0	9,136
1980	1,778	588	3,043	165	110	728	26	0	1,173	0	7,611
1985	1,368	650	3,194	154	119	807	21	0	1,152	5	7,470
1986	1,173	679	3,238	186	107	818	12	0	1,144	22	7,379
1987	1,257	758	3,214	199	109	879	12	0	1,146	33	7,607

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	42	584	0	32	235	1,193	229	0	1,668	0	3,983
1980	43	620	0	8	240	1,593	348	0	1,820	0	4,672
1985	43	560	12	0	304	1,973	462	0	1,893	0	5,247
1986	43	580	12	0	319	1,773	417	0	1,996	0	5,140
1987	43	565	25	0	319	1,898	434	0	2,054	0	5,338

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	3,362	1,673	3,904	301	566	2,243	287	78	3,687	103	16,204
1980	3,108	1,550	3,043	173	544	2,690	420	98	3,214	91	14,931
1985	2,475	1,458	3,206	154	668	3,332	527	95	3,282	80	15,277
1986	2,239	1,466	3,250	186	675	3,135	466	94	3,328	90	14,929
1987	2,288	1,529	3,239	199	674	3,298	487	92	3,387	80	15,273

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
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MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : ATTACK (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	404	0	86	0	0	0	0	9	0	0	499
1980	540	0	70	0	12	11	0	6	18	0	657
1985	374	0	116	0	11	21	16	6	52	0	596
1986	366	0	73	0	11	22	16	6	64	0	558
1987	358	0	101	0	11	22	16	6	79	0	593

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	18	0	2,739	0	77	312	0	0	91	31	3,268
1980	60	0	2,797	0	92	269	0	0	100	28	3,346
1985	102	0	2,746	0	45	253	0	0	156	22	3,324
1986	100	0	2,643	0	45	253	0	0	187	22	3,250
1987	99	0	2,532	0	44	253	0	0	185	22	3,135

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0	90	0	0	6	335	6	0	162	0	599
1980	0	140	0	0	68	387	5	0	251	0	851
1985	0	211	0	0	113	469	17	0	307	0	1,117
1986	0	211	0	0	113	466	17	0	373	0	1,180
1987	0	195	0	0	113	451	24	0	421	0	1,204

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	422	90	2,825	0	83	647	6	9	253	31	4,366
1980	600	140	2,867	0	172	667	5	6	369	28	4,854
1985	476	211	2,862	0	169	743	33	6	515	22	5,037
1986	466	211	2,716	0	169	741	33	6	624	22	4,988
1987	457	195	2,633	0	168	726	40	6	685	22	4,932

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
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MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : BOMBER/INTERDICTOR (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	306	0	42	0	70	0	18	9	108	12	565
1980	241	0	17	0	59	0	13	7	87	12	436
1985	593	0	0	0	52	0	1	7	72	0	725
1986	647	0	0	0	51	6	0	7	45	0	756
1987	652	0	0	0	51	20	0	7	45	0	775

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0	0	883	0	52	0	0	0	9	24	968
1980	0	0	764	0	11	0	0	0	0	20	795
1985	0	0	699	0	0	0	0	0	0	24	723
1986	0	0	729	0	0	0	0	0	0	23	752
1987	0	0	758	0	0	0	0	0	0	22	780

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0	2	0	0	0	139	11	0	100	0	252
1980	0	4	0	0	0	122	5	0	100	0	231
1985	0	0	0	0	0	89	3	0	80	0	172
1986	0	0	0	0	0	94	0	0	80	0	174
1987	0	0	0	0	0	74	0	0	76	0	150

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	306	2	925	0	122	139	29	9	217	36	1,785
1980	241	4	781	0	70	122	18	7	187	32	1,462
1985	593	0	699	0	52	89	4	7	152	24	1,620
1986	647	0	729	0	51	100	0	7	125	23	1,682
1987	652	0	758	0	51	94	0	7	121	22	1,705

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
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MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : AEW/MARITIME PATROL/ELECTRONICS (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	225	0	0	0	0	0	0	7	14	0	246
1980	182	0	0	0	2	0	1	7	16	0	208
1985	173	0	41	0	2	0	1	0	21	0	238
1986	165	0	41	0	1	0	3	0	21	0	231
1987	149	0	41	0	0	0	3	0	21	0	214

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	98	25	1,415	32	84	6	0	0	190	37	1,887
1980	38	30	1,138	36	68	12	0	0	184	43	1,549
1985	27	30	1,165	36	69	8	0	0	194	26	1,555
1986	27	42	1,165	36	64	11	0	0	193	26	1,564
1987	28	47	1,130	36	63	15	0	0	201	26	1,546

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0	0	0	31	0	10	0	0	18	0	59
1980	0	0	0	10	18	0	0	0	27	0	55
1985	0	4	0	0	17	0	1	0	42	0	64
1986	0	0	0	0	17	0	1	0	41	0	59
1987	0	0	0	0	17	0	1	0	34	0	52

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	323	25	1,415	63	84	16	0	7	222	37	2,192
1980	220	30	1,138	46	88	12	1	7	227	43	1,812
1985	200	34	1,206	36	88	8	2	0	257	26	1,857
1986	192	42	1,206	36	82	11	4	0	255	26	1,854
1987	177	47	1,171	36	80	15	4	0	256	26	1,812

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
 CDN - CANADA..... AFR - AFRICA SOUTH OF SAHARA..... AUS - AUSTRALASIA
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MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : ADVANCED TRAINER/LIGHT ATTACK (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	306	36	0	0	161	103	62	188	29	101	986
1980	498	38	0	0	218	112	74	212	26	99	1,277
1985	777	83	0	0	225	187	119	217	47	97	1,752
1986	772	82	0	0	227	182	113	216	42	95	1,729
1987	779	82	0	0	225	197	114	215	26	94	1,732

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	488	187	1,637	92	225	28	11	0	460	0	3,128
1980	315	130	1,406	70	226	12	10	0	360	0	2,529
1985	165	155	1,288	64	221	0	0	0	327	0	2,220
1986	148	126	1,241	64	252	0	0	0	309	0	2,140
1987	150	111	1,153	64	255	0	0	0	283	0	2,016

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0	247	0	117	30	287	54	0	120	0	855
1980	0	238	0	102	32	327	50	0	177	0	926
1985	0	370	0	81	47	328	95	0	212	0	1,133
1986	0	367	0	79	45	300	72	0	222	0	1,085
1987	0	334	0	79	45	322	84	0	240	0	1,104

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	794	470	1,637	209	416	418	127	188	609	101	4,969
1980	813	406	1,406	172	476	451	134	212	563	99	4,732
1985	942	608	1,288	145	493	515	214	217	586	97	5,105
1986	920	575	1,241	143	524	482	185	216	573	95	4,954
1987	929	527	1,153	143	525	519	198	215	549	94	4,852

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
 CDN - CANADA..... AFR - AFRICA SOUTH OF SAHARA..... AUS - AUSTRALASIA
 LAT - LATIN AMERICA AND CARIBBEAN..... SAF - REPUBLIC OF SOUTH AFRICA

MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : ELEMENTARY/BASIC TRAINER (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,051	145	0	0	34	194	109	0	118	0	1,651
1980	965	125	0	0	16	300	140	0	121	0	1,667
1985	973	98	0	0	44	332	147	0	139	0	1,733
1986	900	70	0	0	41	410	153	0	155	0	1,729
1987	928	69	0	0	41	408	152	0	188	0	1,786

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	478	120	1,766	25	948	100	86	75	779	20	4,397
1980	324	136	1,310	25	670	70	79	70	372	0	3,056
1985	260	137	1,204	20	539	70	64	50	289	0	2,633
1986	224	137	1,201	20	512	70	61	49	309	0	2,583
1987	222	143	1,176	20	474	70	49	49	292	0	2,495

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	232	266	0	0	298	451	50	0	616	48	1,961
1980	185	259	0	0	330	366	99	0	716	54	2,009
1985	177	261	0	0	475	444	92	0	827	63	2,339
1986	175	260	0	0	571	478	92	0	897	69	2,542
1987	174	261	0	0	611	485	83	0	986	72	2,672

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,761	531	1,766	25	1,280	745	245	75	1,513	68	8,009
1980	1,474	520	1,310	25	1,016	736	318	70	1,209	54	6,732
1985	1,410	496	1,204	20	1,058	846	303	50	1,255	63	6,705
1986	1,299	467	1,201	20	1,124	958	306	49	1,361	69	6,854
1987	1,324	473	1,176	20	1,126	963	284	49	1,466	72	6,953

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
 CDN - CANADA..... AFR - AFRICA SOUTH OF SAHARA..... AUS - AUSTRALASIA
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MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : TRANSPORT - TACTICAL/STRATEGIC/TANKER (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	538	31	0	0	54	69	39	10	89	23	853
1980	469	31	0	0	83	61	59	10	105	27	845
1985	420	31	21	0	125	87	94	10	138	29	955
1986	404	31	25	0	130	78	80	9	150	20	927
1987	385	33	27	0	132	81	87	9	147	24	925

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	302	158	2,690	56	454	235	167	51	775	50	4,938
1980	198	94	2,128	43	332	247	144	41	398	46	3,671
1985	167	88	2,114	43	272	256	128	45	298	43	3,454
1986	169	73	2,150	45	228	262	118	47	271	44	3,407
1987	172	63	2,114	45	224	267	113	49	281	43	3,371

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	12	26	102	14	125	170	64	0	214	25	752
1980	12	35	53	16	189	136	97	0	205	22	765
1985	31	41	28	16	200	165	137	0	266	19	903
1986	30	41	11	16	268	166	140	0	316	19	1,007
1987	30	23	11	16	277	180	133	0	305	19	994

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	852	215	2,792	70	633	474	270	61	1,078	98	6,543
1980	679	160	2,181	59	604	444	300	51	708	95	5,281
1985	618	160	2,163	59	597	508	359	55	702	91	5,312
1986	603	145	2,186	61	626	506	338	56	737	83	5,341
1987	587	119	2,152	61	633	528	333	58	733	86	5,290

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
 CDN - CANADA..... AFR - AFRICA SOUTH OF SAHARA..... AUS - AUSTRALASIA
 LAT - LATIN AMERICA AND CARIBBEAN..... SAF - REPUBLIC OF SOUTH AFRICA

MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : TRANSPORT - VIP/LIAISON/COMMUNICATION (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	742	53	0	8	37	70	154	56	53	9	1,182
1980	673	33	0	7	39	105	170	62	45	6	1,140
1985	552	38	3	7	55	81	211	26	61	2	1,036
1986	564	38	3	7	58	89	198	26	63	3	1,049
1987	536	34	3	6	57	75	198	26	73	3	1,011

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	342	204	2,626	0	534	231	103	42	677	0	4,759
1980	186	195	881	0	445	199	134	30	418	0	2,488
1985	122	102	930	0	531	224	150	27	412	2	2,500
1986	157	98	854	0	553	227	154	27	420	2	2,492
1987	157	97	766	0	563	225	156	26	419	3	2,412

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	32	71	403	38	350	44	49	0	353	20	1,360
1980	18	65	10	38	275	42	45	31	290	30	844
1985	56	95	12	22	295	75	34	30	311	31	961
1986	55	95	12	21	295	73	28	30	325	31	965
1987	66	121	11	25	301	67	28	30	357	29	1,035

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,116	328	3,029	46	921	345	306	98	1,083	29	7,301
1980	877	293	891	45	759	346	349	123	753	36	4,472
1985	730	235	945	29	881	380	395	83	784	35	4,497
1986	776	231	869	28	906	389	380	83	808	36	4,506
1987	759	252	780	31	921	367	382	82	849	35	4,458

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
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MILITARY AIRCRAFT IN SERVICE AT 31.12 - TYPE : HELICOPTERS (UNITS)

DESIGN ORIGIN : EUROPE

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,973	220	0	0	130	237	184	157	261	23	3,185
1980	2,159	261	0	0	203	396	219	156	466	23	3,883
1985	2,553	360	22	0	288	656	335	153	562	49	4,978
1986	2,524	379	50	0	331	679	338	152	571	49	5,073
1987	2,462	388	86	0	358	729	343	146	589	48	5,149

DESIGN ORIGIN : USA

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,716	372	12,541	188	624	790	77	0	1,259	181	17,748
1980	1,544	388	10,609	181	525	1,242	112	0	1,426	149	16,176
1985	1,755	573	10,521	184	746	1,412	167	0	1,842	127	17,327
1986	1,714	573	10,706	184	771	1,458	176	0	1,926	127	17,635
1987	1,661	571	10,368	182	755	1,464	177	0	1,891	121	17,190

DESIGN ORIGIN : OTHER

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0	37	0	0	115	355	45	0	268	0	820
1980	0	62	0	0	54	449	88	0	297	0	950
1985	0	74	0	0	136	506	123	0	396	0	1,235
1986	0	73	0	0	142	505	135	0	443	0	1,298
1987	0	84	0	0	145	532	197	0	450	0	1,408

TOTAL

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	3,689	629	12,541	188	869	1,382	306	157	1,788	204	21,753
1980	3,703	711	10,609	181	782	2,087	419	156	2,189	172	21,009
1985	4,308	1,007	10,543	184	1,170	2,574	625	153	2,800	176	23,540
1986	4,238	1,025	10,756	184	1,244	2,642	649	152	2,940	176	24,006
1987	4,123	1,043	10,454	182	1,258	2,725	717	146	2,930	169	23,747

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
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AVERAGE UNIT REPLACEMENT VALUE OF MILITARY AIRCRAFT IN SERVICE IN THE EC 12

ACCORDING TO DESIGN ORIGIN AND BY CATEGORY (MIO ECUS)

DESIGN ORIGIN : EUROPE

	I/AS	F/AT	ATT	B/IN	AEW	A/L T	E/B T	T/S/T	V/L/C	HEL
1975	4.86	4.25	5.46	16.19	12.78	2.30	0.57	6.87	0.63	0.58
1980	24.14	10.93	11.67	21.89	16.84	4.17	0.65	8.75	0.75	0.93
1985	36.41	23.78	26.72	39.73	39.61	9.30	1.44	15.43	2.35	2.33
1986	37.78	25.26	29.97	42.66	42.01	10.98	1.49	16.43	2.42	2.56
1987	39.83	26.58	36.16	45.78	46.60	11.41	1.52	18.27	2.69	2.69

DESIGN ORIGIN : USA

	I/AS	F/AT	ATT	B/IN	AEW	A/L T	E/B T	T/S/T	V/L/C	HEL
1975	4.71	5.08	5.12	-	16.21	2.51	0.44	6.94	0.15	1.23
1980	16.02	11.36	9.34	-	19.17	4.33	0.55	10.28	0.32	1.77
1985	42.21	27.16	29.11	-	64.78	8.88	1.05	22.77	1.86	5.91
1986	44.21	28.99	30.48	-	68.74	10.41	1.14	23.57	1.89	6.14
1987	46.31	30.20	32.32	-	76.56	10.63	1.15	24.30	1.94	6.54

DESIGN ORIGIN : OTHER

	I/AS	F/AT	ATT	B/IN	AEW	A/L T	E/B T	T/S/T	V/L/C	HEL
1975	-	5.51	-	-	-	-	0.29	3.63	0.18	-
1980	-	11.18	-	-	-	-	0.40	4.68	0.52	-
1985	-	29.98	-	-	-	-	1.03	9.98	2.22	-
1986	-	31.93	-	-	-	-	1.09	10.60	3.62	-
1987	-	34.30	-	-	-	-	1.21	11.20	3.68	-

ECC - DG III

I/AS....INTERCEPTOR / AIR SUPERIORITY..... A/L T...ADVANCED TRAINER / LIGHT ATTACK
 F/AT....FIGHTER / ATTACK..... E/B T...ELEMENTARY / BASIC TRAINER
 ATT....ATTACK..... T/S/T...TRANSPORT - TACTICAL / STRATEGIC / TANKER
 B/IN....BOMBER / INTERDICTOR..... V/L/C...TRANSPORT - VIP / LIAISON / COMMUNICATION
 AEW....AEW / MARITIME PATROL / ELECTRONICS HEL.....HELICOPTERS

MILITARY HELICOPTER FLEET IN THE EC 12 AND NORTH AMERICA AT 31.12 (UNITS)

	EC 12				USA		
	TOTAL	AS % OF TOTAL			TOTAL	AS % OF TOTAL	
		DESIGN ORIGIN		LICENCE (1)		DESIGN ORIGIN	
		EC 12	USA			EC 12	USA
1960....	1,742	35.3	64.7	41.4	4,423	0.0	100.0
1965....	2,478	41.3	58.7	38.3	6,185	0.0	100.0
1970....	3,335	37.2	62.8	39.9	15,874	0.0	100.0
1975....	3,637	43.6	56.4	37.2	15,338	0.0	100.0
1980....	3,559	55.9	44.1	26.0	8,749	0.0	100.0
1981....	3,665	57.0	43.0	25.0	8,190	0.0	100.0
1982....	3,743	58.1	41.9	24.3	7,640	0.0	100.0
1983....	3,863	60.1	39.9	23.2	7,760	0.0	100.0
1984....	3,894	61.2	38.8	22.2	7,848	0.0	100.0
1985....	3,917	61.3	38.7	22.5	7,658	0.0	100.0
1986....	3,977	61.5	38.5	22.8	7,646	0.0	100.0
1987....	3,961	61.0	39.0	23.2	7,924	0.0	100.0

(1) HELICOPTERS OF US DESIGN MANUFACTURED IN EC 12 UNDER LICENCE (AS % OF TOTAL)

ECC - DG III / SOURCE: AEROSPATIALE

MILITARY HELICOPTER FLEET IN THE EC 12 AT 31.12 (UNITS)

1) FLEET

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1960....	10	14	243	27	801	7	0	98	0	49	2	491
1965....	43	25	490	39	758	7	3	227	0	90	32	764
1970....	80	17	765	75	734	55	3	352	0	98	126	1,030
1975....	79	32	714	196	805	64	8	548	0	91	113	987
1980....	80	35	701	253	812	141	9	495	0	124	62	847
1981....	80	33	742	303	829	126	11	493	0	122	62	864
1982....	80	29	831	311	847	122	11	506	0	120	62	824
1983....	79	29	915	310	860	116	10	514	0	120	62	848
1984....	79	29	932	312	903	116	10	515	0	118	62	818
1985....	78	28	922	308	922	128	10	509	0	117	64	831
1986....	74	28	913	305	937	142	15	528	0	117	87	831
1987....	73	29	915	311	953	140	15	543	0	117	39	826

ECC - DG III / SOURCE: AEROSPATIALE

MILITARY HELICOPTER FLEET IN THE EC 12 AT 31.12 (UNITS)

2) MARKET SHARE WON BY EC 12-PRODUCTS (%)

	BE	DK	DE	ES	FR	HE	IR	IT	LU	NL	PO	UK
1960....	100.0	35.7	65.8	44.4	38.3	0.0	-	0.0	-	16.3	100.0	22.6
1965....	88.4	32.0	60.2	0.0	49.3	0.0	100.0	0.0	-	63.3	96.9	28.4
1970....	90.0	47.1	33.5	0.0	61.6	0.0	100.0	0.0	-	85.7	99.2	23.2
1975....	89.9	25.0	36.3	4.6	83.5	6.3	100.0	3.6	-	92.3	100.0	34.1
1980....	93.8	37.1	40.4	12.6	100.0	2.8	100.0	1.0	-	100.0	100.0	67.3
1981....	93.8	36.4	43.7	20.8	100.0	3.2	100.0	1.0	-	100.0	100.0	67.5
1982....	93.8	27.6	49.8	28.0	100.0	3.3	100.0	1.0	-	100.0	100.0	65.9
1983....	93.7	27.6	54.4	31.0	100.0	3.4	100.0	1.0	-	100.0	100.0	69.0
1984....	93.7	27.6	55.3	31.4	100.0	3.4	100.0	1.0	-	100.0	100.0	71.9
1985....	88.5	25.0	54.9	31.5	100.0	3.1	100.0	0.8	-	100.0	100.0	72.4
1986....	93.2	25.0	54.5	31.8	100.0	2.8	100.0	3.2	-	100.0	100.0	71.8
1987....	93.2	27.6	54.6	31.8	100.0	2.9	100.0	3.1	-	100.0	100.0	72.0

ECC - DG III / SOURCE: AEROSPATIALE

2. Data relating to military engines cover the number of turbine aircraft engines in military service in the world. Allowance has been made for spare engines held in reserve. Warsaw Pact and PRC fleets have been excluded throughout, however engines exported by these countries have been included in the relevant category under "Other" design origin.

Military engines are broken down as follows:

- by category of engines,
- by design origin,
- by geographical areas.

Military engines are broken down into the following categories:

- Turbofan of a maximum thrust above14 T (*)
- Turbofan of a maximum thrust between 7 and 14 T (*)
- Turbofan of a maximum thrust between 3 and 7 T (*)
- Turbofan of a maximum thrust below3 T (*)
- Turbojet of a maximum thrust between 7 and 14 T (*)
- Turbojet of a maximum thrust between 3 and 7 T (*)
- Turbojet of a maximum thrust below3 T (*)
- Turboprop
- Turboshaft

(*) including re-heat where applicable

Military engines are also broken down according to design origin:

- EC,
- USA,
- other.

Design origin reflects country of original design and not necessarily the country of production and/or assembly.

Military engines are also broken down according to **manufacturer:**

- CFM International,
- General Electric,
- Pratt & Whitney,
- Rolls-Royce,
- SNECMA,
- Turbo-Union,
- other.

Manufacturer reflects the company which originated the design (or has significantly redesigned /developed the engine) and not necessarily indicate production and/or assembly origin.

Military engines are broken down into the following **geographical areas:**

- EC 12
- EUR : Austria, Cyprus, Finland, Malta, Norway, Sweden, Switzerland, Turkey, Yugoslavia
- USA
- Canada
- Latin America and Caribbean
- Middle East and North Africa
- Africa (south of Sahara)
- Republic of South Africa
- Asia
- Australasia

A list of military engines is given in the following pages.

TURBINE AIRCRAFT ENGINES IN MILITARY SERVICE

	EC Design		USA Design		Other Design	
TURBOFANS	CFM INTL	CFM56(*)	AVCO LYCOMING	ALF-502	IHI	F-3
	ROLLS-ROYCE	Conway M54H Pegasus RB-211 Spey Tay	GARRETT	ATF-3 TFE 731	IVCHENKO	AI-25
	R-R/TURBOMECA	Adour	GENERAL ELECTRIC	CF6 CF-34 (TF34) CF-700 F-101 F-404 TF-39	KUZNETOV	NK-8
	SNECMA	M53			P&W CANADA	JT15D
	SNECMA/TURBOMECA	Larzac	PRATT & WHITNEY	F-100 JT-3D (TF33) JT-8D JT-9D TF-30	SOLOVIEV	D20 D30
	TURBOMECA	Aubisque			TUMANSKY	R29 R33
	TURBOUNION	RB-199				
TURBOJETS	DE HAVILLAND	Goblin	ALLISON	J-33 J-35	IHI	J-3
	HISPANO-SUIZA	Verdon	FAIRCHILD	J-44	INSTYTUT LOTNICTIVA	SO-3
	ROLLS-ROYCE	Avon Derwent Nene Olympus Orpheus Viper	GENERAL ELECTRIC	CJ-610 CJ-805 J-47 J-79 J-85	KLIMOV	VK-1
	SNECMA	Atar	PRATT & WHITNEY	J-48 J-52 J-57 J-58 J-75 JT12 (60)	KOLIESOV	VD-7
	TURBOMECA	Mabore			LYULKA	AL-7F AL-21F
					MIKULIN	AM-3
					MOTORLET	M701
					ORENDA	11

(*) EC/USA design

TURBINE AIRCRAFT ENGINES IN MILITARY SERVICE (continued)					
	EC Design		USA Design		Other Design
TURBOJETS (continued)			TELEDYNE J-69		TUMANSKY RD9 R13 RU19 R25 R31
			WESTINGHOUSE J-34		
			WRIGHT J-65		
TURBOPROPS	NAPIER Eland		ALLISON 250 501 (T56)		IVCHENKO AI-20 AI-24
	ROLLS-ROYCE Dart Mamba Tyne		AVCO LYCOMING T53 LTP101		P&W CANADA PT-6A (T74)
	TURBOMECA Astazou Bastan		GARRETT TPE331 (T76)		WALTER M601
			GENERAL ELECTRIC T-64		
TURBOSHAFTS	NAPIER Gazelle		ALLISON 250 (T63)		GLUSHENKOV GTD-3
	ROLLS-ROYCE Gem Gnome Nimbus		AVCO LYCOMING LTC4 LTS101 T-53 T-55		ISOTOV GTD-350 TV-2 TV-3
	TURBOMECA Arriel Artouste Astazou Makila Turmo		GENERAL ELECTRIC T-58 T-64 T-700		LOTAREV D136
			PRATT & WHITNEY T-73		P&W CANADA PT-6T (T400)
					SOLOVIEV D25

MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOFAN - MAXIMUM THRUST ABOVE 14 T (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0	0	372	0	0	51	0	0	0	0	423
1980	0	0	376	0	0	46	0	0	0	0	422
1985	14	0	512	0	0	28	0	0	0	0	554
1986	24	0	590	0	0	28	0	0	0	0	642
1987	24	0	673	0	4	32	0	0	0	0	733

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	-	-	0.0	-	-	0.0	-	-	-	-	0.0
1980	-	-	0.0	-	-	0.0	-	-	-	-	0.0
1985	100.0	-	0.0	-	-	17.9	-	-	-	-	3.4
1986	100.0	-	0.0	-	-	17.9	-	-	-	-	4.5
1987	100.0	-	0.0	-	0.0	28.1	-	-	-	-	4.5

ECC - DG III

EUR - NON-EC EUROPE..... MOY - MIDDLE EAST AND NORTH AFRICA..... ASA - ASIA
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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOFAN - MAXIMUM THRUST OF 7 TO 14 T (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	769	160	5,911	25	15	271	0	0	5	60	7,216
1980	913	233	8,091	25	107	1,018	30	0	79	60	10,556
1985	2,519	364	10,997	180	208	1,632	77	0	566	93	16,636
1986	2,741	381	11,553	260	221	1,641	77	10	827	133	17,844
1987	2,963	426	13,072	298	239	2,104	149	20	1,013	158	20,442

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	87.6	0.0	17.9	0.0	0.0	1.8	-	-	0.0	0.0	24.1
1980	78.6	0.0	14.0	0.0	0.0	0.0	0.0	-	0.0	0.0	17.5
1985	81.8	0.0	10.8	0.0	0.0	0.0	0.0	-	7.1	0.0	19.8
1986	82.0	0.0	9.6	0.0	2.3	1.5	0.0	0.0	7.5	0.0	19.3
1987	80.7	0.0	8.8	0.0	6.3	3.6	0.0	0.0	6.6	0.0	18.1

MARKET SHARE OF ENGINES OF INTERNATIONAL DESIGN ORIGIN (EC 12 / USA - AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
1980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0
1985	0.9	0.0	7.1	0.0	0.0	0.3	0.0	-	0.5	0.0	4.9
1986	1.9	0.0	8.4	0.0	0.0	1.4	0.0	0.0	0.4	0.0	5.9
1987	1.7	0.0	8.9	0.0	0.0	3.1	0.0	0.0	0.3	0.0	6.3

ECC - DG III

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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOFAN - MAXIMUM THRUST OF 3 TO 7 T (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,083	0	381	0	23	24	20	23	68	5	1,627
1980	1,410	0	1,622	0	78	63	37	15	405	5	3,635
1985	1,076	0	2,328	23	120	119	96	15	595	13	4,385
1986	1,075	0	2,302	23	130	124	95	15	636	13	4,413
1987	1,024	0	2,263	26	134	126	101	15	688	13	4,390

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	98.8	-	0.8	-	100.0	33.3	100.0	100.0	55.9	100.0	73.1
1980	99.1	-	0.2	-	75.6	61.9	73.0	100.0	83.0	100.0	51.7
1985	92.5	-	0.4	0.0	54.2	73.9	78.1	100.0	84.2	38.5	40.0
1986	91.8	-	0.7	0.0	54.6	74.2	76.8	100.0	84.3	38.5	40.7
1987	90.6	-	1.5	0.0	53.0	77.0	78.2	100.0	84.9	38.5	41.3

ECC - DG III

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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOFAN - MAXIMUM THRUST BELOW 3 T (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	65	384	0	20	3	29	12	0	3	8	524
1980	671	369	0	18	31	179	60	0	29	8	1,365
1985	1,386	463	313	18	138	449	244	0	162	5	3,178
1986	1,387	286	313	18	164	441	216	0	187	8	3,020
1987	1,383	286	322	15	175	503	233	0	238	8	3,163

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	0.0	95.8	-	0.0	0.0	0.0	0.0	-	0.0	0.0	70.2
1980	83.9	94.9	-	0.0	0.0	21.2	35.0	-	27.6	0.0	71.8
1985	80.9	87.7	0.0	0.0	0.0	49.7	48.0	-	11.7	0.0	59.3
1986	80.2	80.1	0.0	0.0	0.0	52.8	52.8	-	10.2	0.0	56.6
1987	79.9	80.1	0.0	0.0	0.0	47.7	48.1	-	8.0	0.0	53.9

ECC - DG III

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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOJET - MAXIMUM THRUST OF 7 TO 14 T (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	2,943	978	9,536	180	106	2,300	100	20	1,731	0	17,894
1980	2,983	1,010	6,616	110	144	2,804	193	70	2,221	0	16,151
1985	1,877	1,022	5,237	0	259	3,460	293	69	2,210	0	14,427
1986	1,807	1,070	4,775	0	259	3,346	268	68	2,102	0	13,695
1987	1,655	1,141	3,992	0	259	3,357	265	65	2,120	0	12,854

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	29.2	38.5	0.0	0.0	0.0	6.4	0.0	100.0	0.0	-	7.8
1980	29.0	34.5	0.0	0.0	21.5	7.6	0.0	100.0	0.0	-	9.5
1985	29.8	23.8	0.0	-	15.1	12.4	0.0	100.0	0.0	-	9.3
1986	32.0	23.7	0.0	-	15.1	10.8	0.0	100.0	0.0	-	9.5
1987	30.4	17.2	0.0	-	15.1	10.8	0.0	100.0	0.0	-	9.1

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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOJET - MAXIMUM THRUST OF 3 TO 7 T (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,781	392	10,286	264	642	1,597	288	88	2,352	202	17,892
1980	1,335	295	8,756	134	648	1,270	356	73	2,182	184	15,233
1985	992	229	6,040	8	614	1,398	368	70	2,050	122	11,891
1986	871	228	5,664	8	616	1,283	336	70	2,342	113	11,531
1987	770	228	5,214	0	601	1,249	321	70	2,405	87	10,945

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	94.4	94.6	0.0	0.0	57.0	33.3	30.6	100.0	28.2	80.7	22.1
1980	96.4	100.0	0.0	0.0	53.1	27.3	24.7	100.0	22.7	80.4	20.2
1985	95.5	100.0	0.0	0.0	62.2	24.1	18.5	100.0	24.9	77.0	22.2
1986	94.8	100.0	0.0	0.0	62.3	25.8	17.6	100.0	15.6	75.2	20.4
1987	98.6	100.0	0.0	-	61.6	23.8	19.9	100.0	15.1	67.8	20.2

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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOJET - MAXIMUM THRUST BELOW 3 T (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	4,591	1,883	7,526	588	1,469	2,131	352	267	4,652	151	23,610
1980	3,734	1,744	6,058	419	1,406	2,084	347	277	3,937	124	20,130
1985	3,005	1,868	5,065	416	1,322	2,021	349	279	3,987	122	18,434
1986	2,693	1,696	4,922	414	1,326	1,964	308	278	3,896	119	17,616
1987	2,688	1,661	4,711	414	1,309	1,906	271	277	3,801	118	17,156

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	61.1	35.1	0.0	21.9	27.8	26.8	45.2	93.6	18.4	83.4	25.2
1980	60.8	35.7	0.0	23.4	30.4	26.8	43.8	100.0	16.9	100.0	25.8
1985	57.4	44.5	0.0	21.6	30.4	26.5	42.7	100.0	15.4	100.0	25.8
1986	53.4	41.6	0.0	21.7	30.4	26.4	43.5	100.0	15.7	100.0	24.4
1987	53.9	39.9	0.0	21.7	30.3	27.4	49.1	100.0	14.9	100.0	24.6

ECC - DG III

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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOPROP (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	1,568	268	7,599	213	898	1,114	216	78	1,170	199	13,323
1980	1,807	334	7,725	246	1,511	1,355	445	73	1,712	356	15,564
1985	2,091	453	8,662	278	2,048	1,772	780	65	2,233	383	18,765
1986	2,076	453	8,815	280	2,192	1,774	821	62	2,506	353	19,332
1987	2,121	400	8,690	280	2,340	1,853	827	60	2,608	369	19,548

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	63.1	22.8	0.3	8.5	21.2	5.3	22.7	35.9	19.9	14.1	12.6
1980	46.8	19.8	0.2	7.3	17.2	5.8	16.0	38.4	16.7	17.1	11.1
1985	41.6	15.9	0.4	6.5	17.4	6.0	8.3	43.1	14.6	17.2	10.4
1986	40.6	14.8	0.4	6.4	15.5	6.0	8.3	40.3	13.2	10.2	9.7
1987	40.4	16.7	0.4	6.4	14.4	5.7	8.3	41.7	12.5	14.4	9.7

ECC - DG III

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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - CATEGORY : TURBOSHAFT (FLEET)

TOTAL (UNITS)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	4,524	713	15,256	342	710	1,929	380	259	1,950	215	26,278
1980	5,361	894	15,679	330	977	3,200	672	285	2,938	211	30,547
1985	6,857	1,221	16,013	328	1,655	3,998	1,033	278	3,983	218	35,584
1986	6,794	1,242	16,622	328	1,855	4,097	1,090	276	4,262	217	36,783
1987	6,619	1,351	16,551	323	1,893	4,430	1,264	269	4,400	210	37,310

MARKET SHARE OF ENGINES OF EC 12 DESIGN ORIGIN (AS % OF TOTAL)

	EC 12	EUR	USA	CDN	LAT	ME	AFR	SAF	ASA	AUS	TOTAL
1975	65.8	45.6	0.0	0.0	22.0	22.5	70.3	100.0	17.5	24.2	18.3
1980	64.0	41.6	0.0	0.0	27.8	21.0	44.6	100.0	20.1	20.9	19.5
1985	51.9	41.3	0.0	0.0	22.2	24.7	45.7	100.0	17.7	36.7	19.5
1986	52.1	40.3	0.0	0.0	23.2	25.1	44.8	100.0	17.2	35.9	19.2
1987	51.4	37.2	0.0	0.0	23.1	24.9	37.6	100.0	17.5	36.7	18.9

ECC - DG III

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MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - MARKET SHARE BY MANUFACTURER

TURBOFAN - MAXIMUM THRUST ABOVE 14 T

	AS % OF TOTAL							TOTAL (UNITS)
	CFM	ROLLS-ROYCE	SNECMA	TURBO-UNION	GENERAL ELECTRIC	PRATT AND WHITNEY	OTHER	
1975	0.0	0.0	0.0	0.0	87.9	12.1	0.0	423
1980	0.0	0.0	0.0	0.0	89.1	10.9	0.0	422
1985	0.0	3.4	0.0	0.0	92.4	4.2	0.0	554
1986	0.0	4.5	0.0	0.0	91.9	3.6	0.0	642
1987	0.0	4.5	0.0	0.0	92.4	3.1	0.0	733

TURBOFAN - MAXIMUM THRUST OF 7 TO 14 T

	AS % OF TOTAL							TOTAL (UNITS)
	CFM	ROLLS-ROYCE	SNECMA	TURBO-UNION	GENERAL ELECTRIC	PRATT AND WHITNEY	OTHER	
1975	0.0	24.1	0.0	0.0	0.0	73.1	2.8	7,216
1980	0.0	17.3	0.0	0.2	0.1	75.0	7.4	10,559
1985	4.9	11.5	0.5	7.8	3.7	63.2	8.5	16,636
1986	5.9	10.3	0.7	8.4	4.4	62.2	8.2	17,844
1987	6.3	9.1	0.9	8.1	10.1	56.3	9.2	20,442

TURBOFAN - MAXIMUM THRUST OF 3 TO 7 T

	AS % OF TOTAL							TOTAL (UNITS)
	CFM	ROLLS-ROYCE	SNECMA	TURBO-UNION	GENERAL ELECTRIC	PRATT AND WHITNEY	OTHER	
1975	0.0	73.1	0.0	0.0	15.6	10.8	0.5	1,627
1980	0.0	51.7	0.0	0.0	41.0	7.0	0.3	3,635
1985	0.0	40.0	0.0	0.0	49.2	9.9	1.0	4,385
1986	0.0	40.7	0.0	0.0	48.0	10.3	1.0	4,413
1987	0.0	41.3	0.0	0.0	47.3	10.4	1.0	4,390

ECC - DG 111

MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - MARKET SHARE BY MANUFACTURER

TURBOFAN - MAXIMUM THRUST BELOW 3 T

	AS % OF TOTAL							TOTAL (UNITS)
	CFM	ROLLS-ROYCE	SNECMA	TURBO-UNION	GENERAL ELECTRIC	PRATT AND WHITNEY	OTHER	
1975	0.0	0.0	0.0	0.0	21.6	0.0	78.4	524
1980	0.0	15.2	31.5	0.0	11.2	0.0	42.1	1,359
1985	0.0	10.6	37.9	0.0	5.6	0.0	45.9	3,178
1986	0.0	11.3	39.6	0.0	6.0	0.0	43.0	3,020
1987	0.0	11.0	37.6	0.0	5.5	0.0	45.9	3,163

TURBOJET - MAXIMUM THRUST OF 7 TO 14 T

	AS % OF TOTAL							TOTAL (UNITS)
	CFM	ROLLS-ROYCE	SNECMA	TURBO-UNION	GENERAL ELECTRIC	PRATT AND WHITNEY	OTHER	
1975	0.0	7.2	0.6	0.0	58.8	18.3	15.0	17,894
1980	0.0	6.5	3.0	0.0	60.0	9.2	21.3	16,151
1985	0.0	3.3	6.0	0.0	58.7	3.7	28.3	14,427
1986	0.0	3.1	6.4	0.0	58.2	3.1	29.1	13,695
1987	0.0	2.3	6.7	0.0	55.7	2.7	32.5	12,854

TURBOJET - MAXIMUM THRUST OF 3 TO 7 T

	AS % OF TOTAL							TOTAL (UNITS)
	CFM	ROLLS-ROYCE	SNECMA	TURBO-UNION	GENERAL ELECTRIC	PRATT AND WHITNEY	OTHER	
1975	0.0	11.4	9.7	0.0	0.0	59.3	19.6	17,892
1980	0.0	10.1	9.7	0.0	0.0	61.3	18.8	15,233
1985	0.0	10.2	12.0	0.0	0.1	55.4	22.4	11,897
1986	0.0	8.6	11.8	0.0	0.1	54.2	25.4	11,531
1987	0.0	8.7	11.5	0.0	0.1	52.9	26.9	10,945

MILITARY TURBINE ENGINES IN SERVICE AT 31.12 - MARKET SHARE BY MANUFACTURER

TURBOJET - MAXIMUM THRUST BELOW 3 T

	AS % OF TOTAL							TOTAL (UNITS)
	CFM	ROLLS-ROYCE	SNECMA	TURBO-UNION	GENERAL ELECTRIC	PRATT AND WHITNEY	OTHER	
1975	0.0	14.1	0.0	0.0	43.0	2.7	40.1	23,610
1980	0.0	15.2	0.0	0.0	44.8	2.9	37.1	20,130
1985	0.0	16.3	0.0	0.0	47.6	1.6	34.6	18,434
1986	0.0	16.8	0.0	0.0	48.9	1.5	32.8	17,616
1987	0.0	16.8	0.0	0.0	49.9	1.1	32.1	17,156

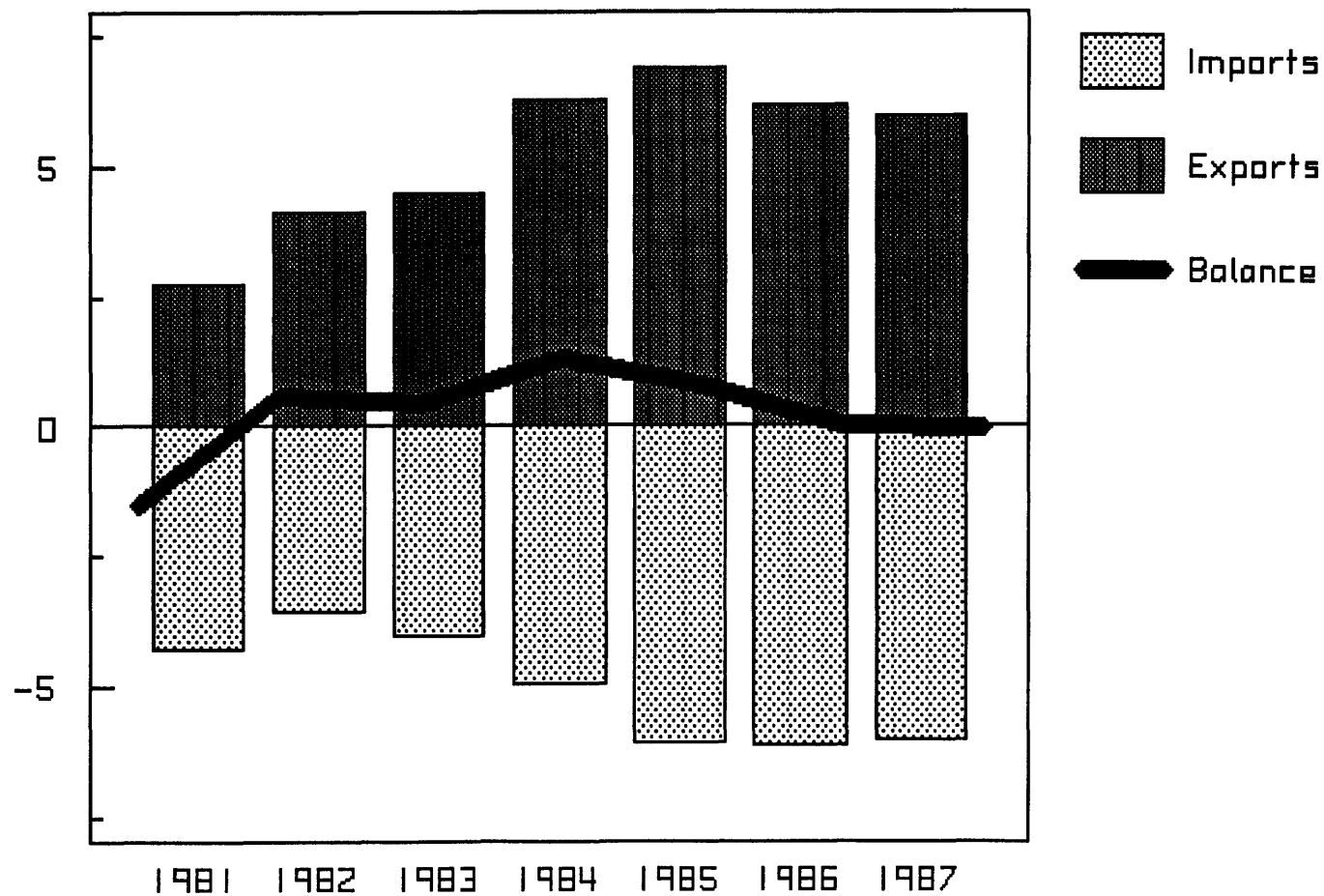
ECC - DG III

EXTERNAL TRADE

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1. The figures on external trade in aerospace products are obtained using the NIMEXE tables supplied by the **STATISTICAL OFFICE of the EUROPEAN COMMUNITIES (SOEC-EUROSTAT)**.
2. The statistical data only concern the civil aerospace products and therefore exclude the military ones.
3. In order to simplify the presentation of the data concerning trade on these products, four groups of products have been created: airframes, engines, equipment and other material.
4. Data concerning the United Kingdom are not complete and do not allow the subdivision as indicated at paragraph 3.

CIVIL TRADE (bn ECUs)



ECC - DG III / Source: EUROSTAT

CIVIL AEROSPACE TRADE - EC (1) : TOTAL EXTRA-EC (MIO ECUS)

1) IMPORTS

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	2,491.9	1,326.0	328.4	151.5	4,297.8
1982	1,453.8	1,564.9	396.1	159.9	3,574.8
1983	1,491.1	1,877.8	478.2	175.1	4,022.1
1984	1,721.4	2,500.2	530.6	221.4	4,973.5
1985	2,660.3	2,637.8	552.1	253.3	6,103.6
1986	2,816.0	2,543.6	554.8	246.2	6,160.5
1987	2,633.3	2,635.4	534.5	220.3	6,023.5

2) EXPORTS

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	2,115.6	351.3	189.2	110.6	2,766.7
1982	3,030.7	756.6	208.4	155.5	4,151.2
1983	2,790.9	1,284.0	237.6	155.0	4,467.5
1984	3,961.6	1,873.1	288.3	173.9	6,296.9
1985	3,704.1	2,647.2	346.4	213.2	6,910.8
1986	2,956.4	2,653.0	375.1	198.3	6,182.8
1987	2,651.3	2,804.7	346.8	181.1	5,983.8

3) BALANCE

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	- 376.3	- 974.7	- 139.2	-40.9	-1,531.1
1982	1,576.9	- 808.3	- 187.7	-4.4	576.4
1983	1,299.8	- 593.8	- 240.5	-20.1	445.4
1984	2,240.2	- 627.1	- 242.3	-47.5	1,323.3
1985	1,043.8	9.4	- 205.7	-40.2	807.2
1986	140.5	109.4	- 179.7	-47.9	22.3
1987	18.0	169.3	- 187.7	-39.3	-39.7

ECC - DG III / SOURCE : EUROSTAT

(1) 1981-85: EC 10 - 1986-87: EC 12

(2) UNITED KINGDOM: AIRFRAMES NOT INCLUDED

CIVIL AEROSPACE TRADE - EC (1) WITH USA (MIO ECUS)

1) IMPORTS

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	2,323.0	1,235.6	294.3	135.0	3,988.0
1982	1,296.7	1,457.9	357.8	142.5	3,254.8
1983	1,282.1	1,701.1	428.4	151.9	3,563.5
1984	1,483.6	2,122.6	473.4	182.7	4,262.3
1985	2,338.3	2,221.9	493.3	224.4	5,277.9
1986	2,603.0	2,188.5	496.2	221.2	5,508.9
1987	2,236.2	2,246.5	480.9	185.5	5,149.1

2) EXPORTS

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	708.2	204.7	59.2	25.3	997.4
1982	726.7	454.0	65.0	35.7	1,281.4
1983	609.0	803.0	74.4	30.2	1,516.5
1984	879.0	1,201.1	92.7	41.6	2,214.4
1985	1,506.5	1,851.9	122.8	62.6	3,543.8
1986	805.9	1,844.1	136.6	64.3	2,850.8
1987	1,034.6	1,822.8	130.8	57.0	3,045.2

3) BALANCE

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	-1,614.9	-1,030.9	- 235.1	- 109.7	-2,990.6
1982	- 569.9	-1,003.9	- 292.8	- 106.8	-1,973.4
1983	- 673.1	- 898.1	- 354.0	- 121.7	-2,046.9
1984	- 604.6	- 921.5	- 380.7	- 141.1	-2,047.9
1985	- 831.8	- 370.1	- 370.5	- 161.8	-1,734.2
1986	-1,797.1	- 344.4	- 359.7	- 156.9	-2,658.0
1987	-1,201.7	- 423.7	- 350.1	- 128.5	-2,103.9

ECC - DG III / SOURCE : EUROSTAT

- (1) 1981-85: EC 10 - 1986-87: EC 12
 (2) UNITED KINGDOM: AIRFRAMES NOT INCLUDED

CIVIL AEROSPACE TRADE - EC (1) WITH JAPAN (MIOS ECUS)

1) IMPORTS

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	0.5	0.2	0.7	3.1	4.5
1982	10.2	1.2	0.6	2.3	14.3
1983	29.2	0.1	0.6	4.6	34.5
1984	9.5	0.5	0.7	7.8	18.4
1985	1.8	3.0	0.8	4.7	10.2
1986	2.6	1.7	2.5	4.3	11.2
1987	4.1	3.1	2.5	3.9	13.6

2) EXPORTS

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	75.6	6.2	2.3	1.0	85.1
1982	99.8	7.3	2.5	1.0	110.6
1983	181.2	3.6	2.3	0.7	187.8
1984	17.9	5.6	2.3	1.2	26.9
1985	135.5	11.6	3.1	7.5	157.6
1986	118.7	18.5	4.2	3.8	145.2
1987	45.8	49.1	3.6	3.4	101.9

3) BALANCE

	AIRFRAMES (2)	ENGINES	EQUIPMENT	OTHER MATERIAL	TOTAL
1981	75.1	6.0	1.6	-2.1	80.6
1982	89.6	6.0	1.9	-1.2	96.3
1983	152.0	3.4	1.8	-3.9	153.3
1984	8.4	5.2	1.5	-6.6	8.5
1985	133.7	8.5	2.4	2.8	147.4
1986	116.1	16.8	1.7	-0.5	134.1
1987	41.7	46.0	1.1	-0.5	88.4

ECC - DG III / SOURCE : EUROSTAT

(1) 1981-85: EC 10 - 1986-87: EC 12

(2) UNITED KINGDOM: AIRFRAMES NOT INCLUDED

TURNOVER

CHAPTER 6

1. The survey carried out each year in conjunction with the industrial associations in each Member State enables the turnover of the European aerospace industry to be broken down by type of customer and sector. Participants to this survey are the aerospace companies whose turnover concerns (partly or entirely) one or more of the groups of products listed in the columns of the tables.

Where data relating to international co-operation programmes are concerned, only the turnover which corresponds to that part of these programmes which concerns the national industry (i.e. after deduction of that part of the turnover which concerns other countries) should be included in the total turnover. This applies both to the country which markets the product and the country which supplies part of the product to the country which markets it. In all cases, the turnover is entered under the heading "END-USERS".

However, standardization problems of the accounting methods remain and may affect turnover at the EC level.

Turnover on behalf of international public organizations (e.g. ESA) is entered under the heading "STATE". In this case too, only the turnover corresponding to that part of these programmes which concerns the national industry is included in the national turnover.

2. A distinction is made between the following:

- TOTAL TURNOVER

Total turnover transactions between national aerospace companies. Therefore, it does not indicate the output of the aerospace sector as such, since it includes intermediate exchanges at national level.

- FINAL NATIONAL TURNOVER

Final national turnover does not include transactions between national aerospace companies, and so represents the output of the aerospace sector as such.

The difference between total turnover and final national turnover therefore represents the sale of aerospace goods and services between national companies in the various sub-sectors (aircraft, space, propulsion devices and equipment) and between national companies in the same subsectors (e.g. contracting between airframe manufacturers for certain sub-assemblies).

- FINAL TURNOVER AT COMMUNITY LEVEL

Final turnover at Community level represents the output of the EC as a whole, since it does not include intra-Community transactions between aerospace companies.

The difference between final national turnover and final turnover at EC level therefore includes the sale of aerospace goods and services between companies located in the different EC Member States.

3. The turnover is broken down by **GROUP OF PRODUCTS** and by **CATEGORY OF CUSTOMER** (civil and military).

The **GROUPS OF PRODUCTS** considered are as follows:

a. **COMPLETE AEROSPACE SYSTEMS:**

- **AIRCRAFT** (aeroplane, helicopters and gliders), **MISSILES**, their parts and spares.
- **SPACE** (space vehicles, satellites, launchers, ground installations, etc.).

b. **PROPULSION DEVICES**

(Piston engines, turboprops, turbojets, etc.), their parts and spares, equipment and accessories, for installation in the aerospace systems mentioned under (a).

c. **EQUIPMENT**

Equipment for the aerospace systems mentioned under (a) (finished products, parts and spares, sub-assemblies) including test and ground-training equipment.

The breakdown of turnover between the different **CATEGORIES OF CUSTOMER** is carried out as follows:

- > **STATE.....**: sales or services (including R&D) to the State (public authorities) in which the company is established;
- > **AEROSPACE INDUSTRY**: sales or services (including R&D) to other aerospace companies (generally sub-contracting);
- > **END-USERS.....**: sales or services (including R&D), i.e. neither to the State nor to other aerospace companies.

In the case of the "AEROSPACE INDUSTRY" and "END-USERS", turnover is broken down between:

- > NATIONAL.....: sales or services in the country in which the company is established,
- > COMMUNITY.....: sales or services in one of the other EC 12 countries,
- > OTHER COUNTRIES...: sales or services in a non-EC country.

4. The **ACTIVITIES** considered concern:

- > R&D contracts,
- > production, assembly,
- > post-delivery modifications, repairs and maintenance of material sold, where these operations are carried out by the company itself.

Repair and maintenance operations carried out by users, whether civil or military, are not covered by this survey.

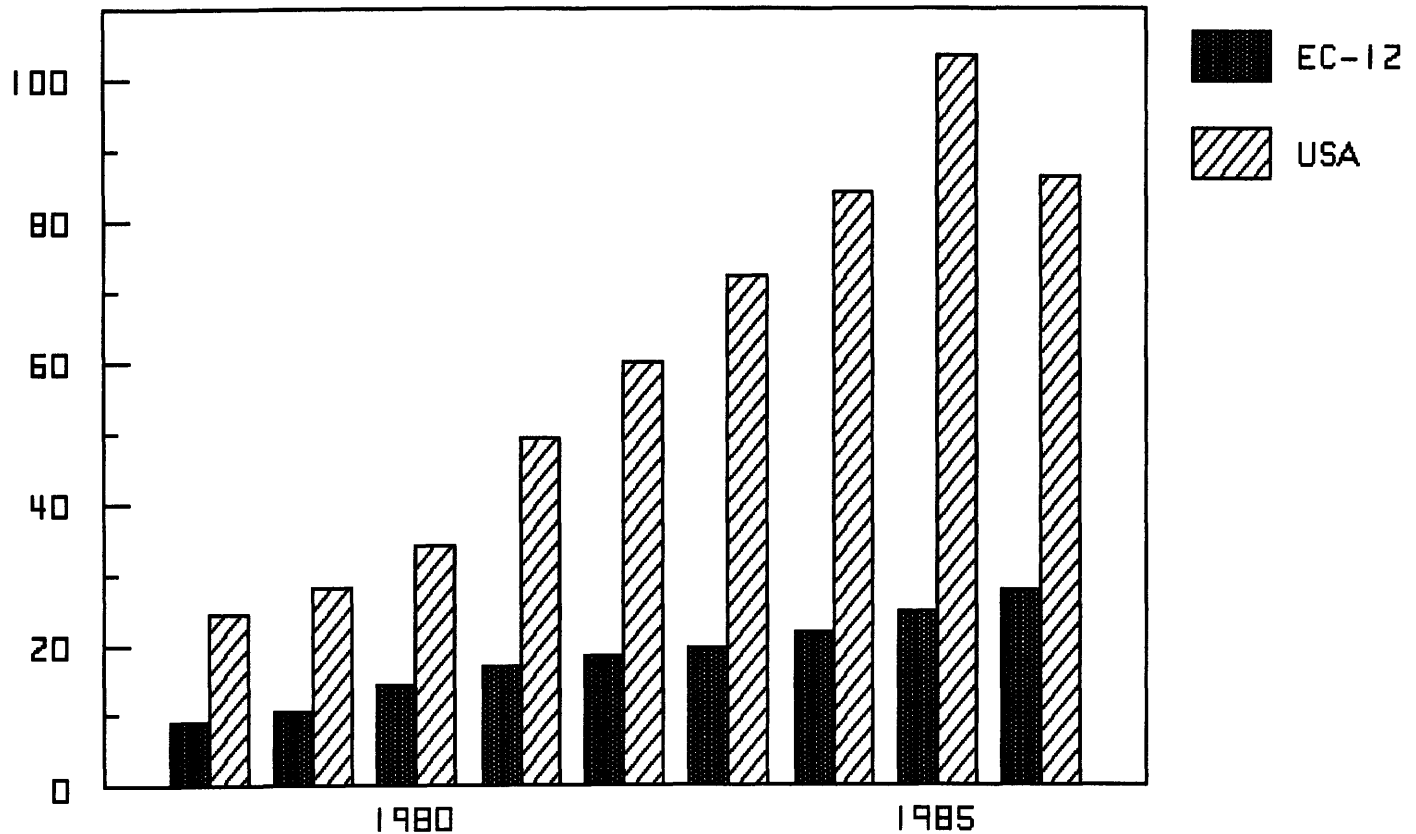
Turnover relating to the category of customer "STATE" is broken down between:

- > R&D,
- > post-delivery modifications, repairs and maintenance of material sold, where these operations are carried out by the company itself and not by the customer, and
- > sales.

For the other two categories of customer, "AEROSPACE INDUSTRY" and "END-USERS", the data refer to all these activities.

FINAL TURNOVER

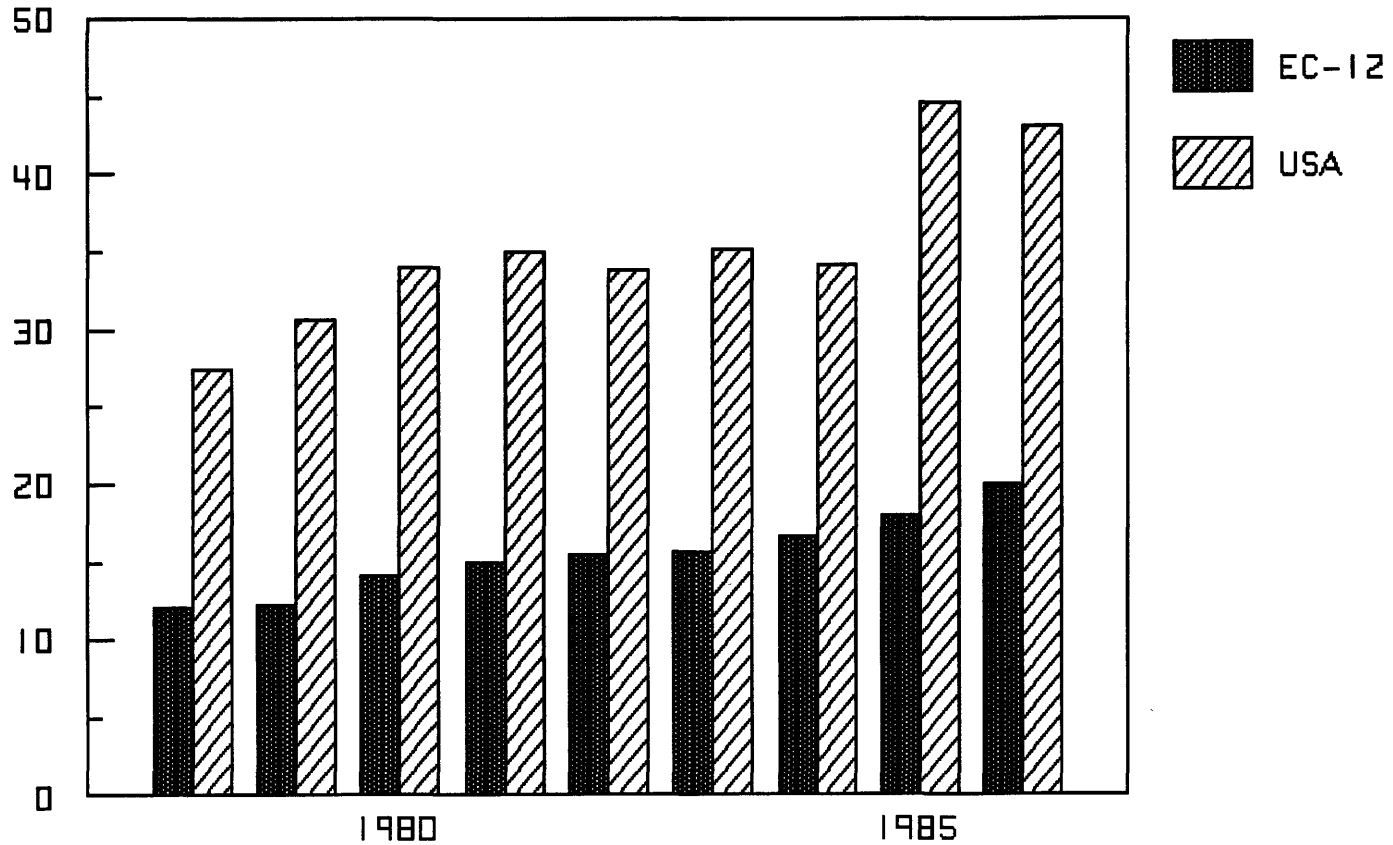
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ECC - DG III / Source: Industrial Associations

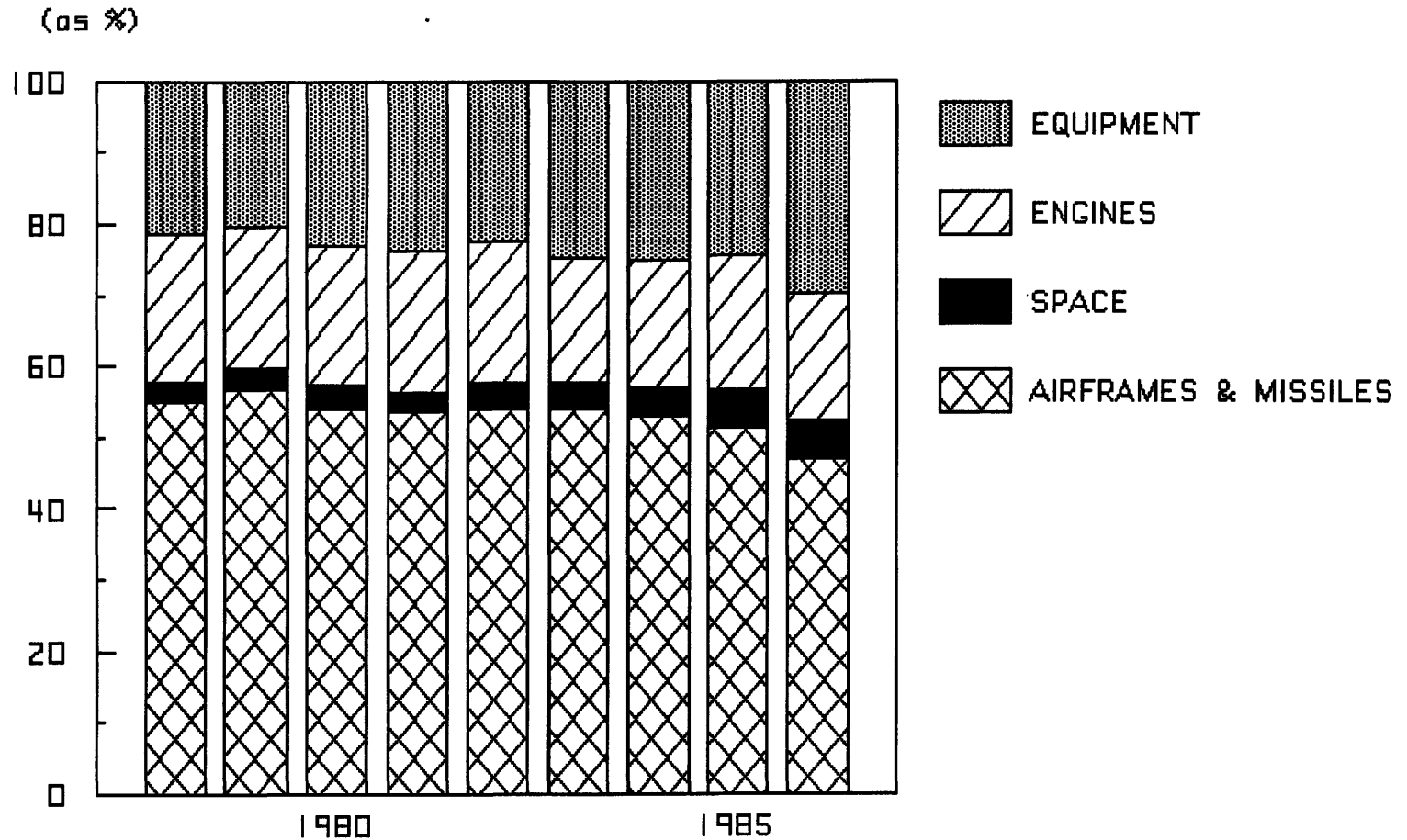
FINAL TURNOVER

(BN ECUS 1980)



ECC - DG III / Source: Industrial Associations

EC-12 TURNOVER



ECC - DG III / Source: Industrial Associations

OVERALL NATIONAL TURNOVER

1) MIO ECU - CURRENT PRICES

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	146	1,984	133	5,076	814	288	4,407	12,846	24,453	1,441	791
1979	218	3,077	132	5,767	990	338	4,702	15,224	28,059	1,281	1,032
1980	333	3,359	185	7,270	1,230	372	7,646	20,394	34,041	1,275	1,352
1981	429	4,114	262	8,821	1,757	445	9,581	25,409	49,118	1,684	2,077
1982	413	5,084	356	9,813	2,181	492	10,080	28,419	59,945	2,542	2,390
1983	344	5,380	348	10,827	2,661	605	10,015	30,179	72,021	2,915	2,554
1984	287	5,628	338	11,729	2,767	594	11,210	32,552	84,171	3,639	2,913
1985	361	6,524	373	12,555	3,070	533	12,034	35,452	103,325	4,634	3,498
1986	338	9,780	393	13,168	3,421	584	12,266	39,950	86,465	-	3,226

2) COMPARISON OF TURNOVER BY GEOGRAPHICAL AREA (EC 12 = 100)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	1.1	15.4	1.0	39.5	6.3	2.2	34.3	100.0	190.3	11.2	6.2
1979	1.4	20.2	0.9	37.9	6.5	2.2	30.9	100.0	184.3	8.4	6.8
1980	1.6	16.5	0.9	35.6	6.0	1.8	37.5	100.0	166.9	6.2	6.6
1981	1.7	16.2	1.0	34.7	6.9	1.8	37.7	100.0	193.3	6.6	8.2
1982	1.5	17.9	1.3	34.5	7.7	1.7	35.5	100.0	210.9	8.9	8.4
1983	1.1	17.8	1.2	35.9	8.8	2.0	33.2	100.0	238.6	9.7	8.5
1984	0.9	17.3	1.0	36.0	8.5	1.8	34.4	100.0	258.6	11.2	8.9
1985	1.0	18.4	1.1	35.4	8.7	1.5	33.9	100.0	291.4	13.1	9.9
1986	0.8	24.5	1.0	33.0	8.6	1.5	30.7	100.0	216.4	-	8.1

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1983-86: DG III ESTIMATES

OVERALL NATIONAL TURNOVER

3) MIO ECU - CONSTANT PRICES (ECU 1980)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	156	2,190	210	6,091	1,034	315	6,706	33,403	27,475	1,307	860
1979	223	3,208	139	6,379	1,144	356	6,082	35,061	30,678	1,267	1,127
1980	333	3,359	185	7,270	1,230	372	7,646	40,789	34,041	1,275	1,352
1981	416	3,939	241	8,149	1,575	424	7,941	45,371	34,984	1,274	1,542
1982	404	4,407	302	8,644	1,763	416	7,873	47,617	33,871	1,871	1,474
1983	323	4,317	313	9,144	1,902	488	7,790	48,552	35,250	1,849	1,364
1984	257	4,366	272	9,362	1,836	468	8,419	49,957	34,168	2,021	1,401
1985	303	4,948	282	9,366	1,962	411	8,502	51,548	44,583	2,452	1,663
1986	266	6,848	285	9,394	2,044	427	9,545	57,620	43,166	-	1,956

4) GROWTH RATE OF TURNOVER (IN % - CONSTANT PRICES)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	15.9	5.9	-	-1.5	8.3	-6.1	4.0	-	8.7	6.5	14.1
1979	43.2	46.5	-33.9	4.7	10.6	13.1	-9.3	5.0	11.7	-3.1	31.0
1980	49.1	4.7	33.3	14.0	7.5	4.4	25.7	16.3	11.0	0.6	20.0
1981	24.9	17.3	30.7	12.1	28.1	14.1	3.9	11.2	2.8	-0.0	14.0
1982	-2.8	11.9	25.0	6.1	11.9	-1.8	-0.9	5.0	-3.2	46.8	-4.4
1983	-20.0	-2.0	3.7	5.8	7.9	17.1	-1.1	2.0	4.1	-1.2	-7.4
1984	-20.5	1.1	-13.2	2.4	-3.4	-4.1	8.1	2.9	-3.1	9.3	2.7
1985	17.8	13.3	3.8	0.1	6.9	-12.2	1.0	3.2	30.5	21.3	18.7
1986	-12.1	38.4	1.0	0.3	4.1	4.1	12.3	11.8	-3.2	-	17.7

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978-86	6.9	15.3	3.9	5.6	8.9	3.9	4.5	7.1	5.8	-	10.8

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1983-86: DG III ESTIMATES

FINAL NATIONAL TURNOVER

1) MIO ECU - CURRENT PRICES

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	132	1,705	132	4,214	623	285	3,889	10,980	24,453	1,441	791
1979	215	2,590	131	4,732	773	337	4,029	12,807	28,059	1,281	1,032
1980	320	2,710	184	5,992	1,028	371	6,648	17,253	34,041	1,275	1,352
1981	426	3,317	262	7,245	1,526	441	8,153	21,370	49,118	1,684	2,077
1982	409	4,112	354	7,982	1,866	486	8,706	23,915	59,945	2,542	2,390
1983	339	4,272	346	8,904	2,220	595	8,895	25,572	72,021	2,915	2,554
1984	284	4,515	326	9,967	2,332	584	9,890	27,898	84,171	3,639	2,913
1985	360	5,319	358	10,782	2,611	533	10,660	30,623	103,325	4,634	3,498
1986	336	7,901	371	10,966	2,851	584	10,919	33,929	86,465	-	3,226

2) COMPARISON OF TURNOVER BY GEOGRAPHICAL AREA (EC 12 = 100)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	1.2	15.5	1.2	38.4	5.7	2.6	35.4	100.0	222.7	13.1	7.2
1979	1.7	20.2	1.0	37.0	6.0	2.6	31.5	100.0	219.1	10.0	8.1
1980	1.9	15.7	1.1	34.7	6.0	2.1	38.5	100.0	197.3	7.4	7.8
1981	2.0	15.5	1.2	33.9	7.1	2.1	38.2	100.0	229.8	7.9	9.7
1982	1.7	17.2	1.5	33.4	7.8	2.0	36.4	100.0	250.7	10.6	10.0
1983	1.3	16.7	1.4	34.8	8.7	2.3	34.8	100.0	281.6	11.4	10.0
1984	1.0	16.2	1.2	35.7	8.4	2.1	35.5	100.0	301.7	13.0	10.4
1985	1.2	17.4	1.2	35.2	8.5	1.7	34.8	100.0	337.4	15.1	11.4
1986	1.0	23.3	1.1	32.3	8.4	1.7	32.2	100.0	254.8	-	9.5

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1983-86 : DG III ESTIMATES

FINAL NATIONAL TURNOVER

3) MIO ECU - CONSTANT PRICES (ECU 1980)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	141	1,883	209	5,056	792	312	5,917	14,310	27,475	1,307	860
1979	220	2,701	138	5,234	892	354	5,212	14,752	30,678	1,267	1,127
1980	320	2,710	184	5,992	1,028	371	6,648	17,253	34,041	1,275	1,352
1981	413	3,177	241	6,693	1,368	420	6,758	19,069	34,984	1,274	1,542
1982	400	3,564	300	7,031	1,509	411	6,799	20,015	33,871	1,871	1,474
1983	319	3,428	311	7,520	1,587	480	6,918	20,564	35,250	1,849	1,364
1984	255	3,502	262	7,955	1,548	460	7,428	21,409	34,168	2,021	1,401
1985	302	4,034	271	8,043	1,669	411	7,531	22,260	44,583	2,452	1,663
1986	265	5,533	269	7,823	1,703	427	8,497	24,517	43,166	-	1,956

4) GROWTH RATE OF TURNOVER (IN % - CONSTANT PRICES)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	8.4	10.3	-	-0.3	3.5	-6.9	3.6		8.7	6.5	14.1
1979	56.3	43.4	-34.0	3.5	12.7	13.5	-11.9	3.1	11.7	-3.1	31.0
1980	45.0	0.4	33.8	14.5	15.2	4.7	27.5	17.0	11.0	0.6	20.0
1981	29.1	17.2	30.7	11.7	33.0	13.2	1.7	10.5	2.8	-0.0	14.0
1982	-3.0	12.2	24.4	5.1	10.3	-2.1	0.6	5.0	-3.2	46.8	-4.4
1983	-20.3	-3.8	3.8	6.9	5.2	16.7	1.8	2.7	4.1	-1.2	-7.4
1984	-20.1	2.2	-15.8	5.8	-2.5	-4.2	7.4	4.1	-3.1	9.3	2.7
1985	18.6	15.2	3.3	1.1	7.8	-10.6	1.4	4.0	30.5	21.3	18.7
1986	-12.1	37.2	-0.7	-2.7	2.1	4.1	12.8	10.1	-3.2	-	17.7

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978-86	8.2	14.4	3.2	5.6	10.0	4.0	4.6	7.0	5.8	-	10.8

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1983-86 : DG III ESTIMATES

FINAL TURNOVER AT EC LEVEL

1) MIO ECU - CURRENT PRICES

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	82	1,214	114	3,851	518	252	3,193	9,223	24,453	1,441	791
1979	158	1,966	98	4,269	681	300	3,177	10,649	28,059	1,281	1,032
1980	263	1,715	137	5,437	760	325	5,501	14,137	34,041	1,275	1,352
1981	349	1,836	189	6,540	1,307	373	6,128	16,723	49,118	1,684	2,077
1982	338	2,157	281	7,303	1,623	408	6,283	18,392	59,945	2,542	2,390
1983	271	2,175	246	7,950	1,698	518	6,409	19,269	72,021	2,915	2,554
1984	205	2,342	292	9,082	1,744	528	7,330	21,522	84,171	3,639	2,913
1985	260	3,135	318	10,278	1,830	505	8,408	24,734	103,325	4,634	3,498
1986	227	5,538	324	10,264	1,977	556	8,625	27,511	86,465	-	3,226

2) COMPARISON OF TURNOVER BY GEOGRAPHICAL AREA (EC 12 = 100)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	0.9	13.2	1.2	41.8	5.6	2.7	34.6	100.0	265.1	15.6	8.6
1979	1.5	18.5	0.9	40.1	6.4	2.8	29.8	100.0	263.5	12.0	9.7
1980	1.9	12.1	1.0	38.5	5.4	2.3	38.9	100.0	240.8	9.0	9.6
1981	2.1	11.0	1.1	39.1	7.8	2.2	36.6	100.0	293.7	10.1	12.4
1982	1.8	11.7	1.5	39.7	8.8	2.2	34.2	100.0	325.9	13.8	13.0
1983	1.4	11.3	1.3	41.3	8.8	2.7	33.3	100.0	373.8	15.1	13.3
1984	1.0	10.9	1.4	42.2	8.1	2.5	34.1	100.0	391.1	16.9	13.5
1985	1.1	12.7	1.3	41.6	7.4	2.0	34.0	100.0	417.7	18.7	14.1
1986	0.8	20.1	1.2	37.3	7.2	2.0	31.4	100.0	314.3	-	11.7

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1983-86: DG III ESTIMATES

FINAL TURNOVER AT EC LEVEL

3) MIO ECU - CONSTANT PRICES (ECU 1980)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	88	1,340	179	4,622	658	276	4,858	12,021	27,475	1,307	860
1979	163	2,050	104	4,721	787	315	4,109	12,249	30,678	1,267	1,127
1980	263	1,715	137	5,437	760	325	5,501	14,137	34,041	1,275	1,352
1981	339	1,759	174	6,042	1,172	355	5,080	14,919	34,984	1,274	1,542
1982	331	1,870	238	6,433	1,312	345	4,907	15,436	33,871	1,871	1,474
1983	255	1,745	222	6,714	1,214	418	4,985	15,553	35,250	1,849	1,364
1984	184	1,817	235	7,248	1,158	415	5,505	16,562	34,168	2,021	1,401
1985	218	2,377	240	7,667	1,170	389	5,940	18,002	44,583	2,452	1,663
1986	179	3,878	235	7,322	1,181	407	6,711	19,914	43,166	-	1,956

4) GROWTH RATE OF TURNOVER (IN % - CONSTANT PRICES)

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978	48.5	10.1	-	-0.5	-7.1	-13.6	4.0		8.7	6.5	14.1
1979	84.2	53.0	-42.2	2.2	19.6	14.3	-15.4	1.9	11.7	-3.1	31.0
1980	61.5	-16.4	31.9	15.2	-3.5	3.0	33.9	15.4	11.0	0.6	20.0
1981	29.0	2.6	27.1	11.1	54.3	9.4	-7.7	5.5	2.8	-0.0	14.0
1982	-2.3	6.3	37.1	6.5	12.0	-2.9	-3.4	3.5	-3.2	46.8	-4.4
1983	-23.0	-6.7	-6.8	4.4	-7.5	21.1	1.6	0.8	4.1	-1.2	-7.4
1984	-28.0	4.1	5.9	7.9	-4.6	-0.6	10.4	6.5	-3.1	9.3	2.7
1985	18.8	30.8	2.4	5.8	1.0	-6.4	7.9	8.7	30.5	21.3	18.7
1986	-17.9	63.1	-2.3	-4.5	1.0	4.7	13.0	10.6	-3.2	-	17.7

	BE	DE	ES (1)	FR	IT	NL	UK	EC 12	USA	JAPAN	CANADA
1978-86	9.3	14.2	3.5	5.9	7.6	5.0	4.1	6.5	5.8	-	10.8

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1983-86: DG III ESTIMATES

BREAKDOWN OF OVERALL TURNOVER BY SUBSECTOR (AS % OF TOTAL)

1) EC 12

	SUBSECTORS				DESTINATION	
	AIRCRAFT AND MISSILES	SPACE	ENGINES	EQUIPMENT	CIVIL	MILITARY
1978	54.9	2.8	20.9	21.5	28.5	71.5
1979	56.8	2.8	19.9	20.5	29.0	71.0
1980	54.1	3.2	19.6	23.1	30.0	70.0
1981	53.5	3.0	19.8	23.7	29.8	70.2
1982	54.1	3.7	19.9	22.3	30.1	69.9
1983	54.0	3.8	17.4	24.9	32.5	67.5
1984	52.9	4.0	17.9	25.2	31.9	68.1
1985	51.3	5.4	18.8	24.6	33.5	66.5
1986	46.8	5.5	18.0	29.7	36.9	63.1

2) USA

	SUBSECTORS				DESTINATION	
	AIRCRAFT AND MISSILES	SPACE	ENGINES	EQUIPMENT	CIVIL	MILITARY
1978	57.7	7.5	17.2	17.6	39.6	60.4
1979	59.2	6.6	17.0	17.1	52.7	47.3
1980	56.1	7.3	16.5	20.0	52.4	47.6
1981	54.2	7.0	17.7	21.0	46.5	53.5
1982	49.2	8.1	17.4	25.3	36.4	63.6
1983	52.0	7.7	16.2	24.2	34.8	65.2
1984	51.7	7.9	17.1	23.3	31.3	68.7
1985	53.6	8.0	15.4	23.0	32.5	67.5
1986	54.3	7.4	15.0	23.3	34.9	65.1

BREAKDOWN OF OVERALL TURNOVER BY SUBSECTOR (AS % OF TOTAL)

3) JAPAN

	SUBSECTORS				DESTINATION	
	AIRCRAFT AND MISSILES	SPACE	ENGINES	EQUIPMENT	CIVIL	MILITARY
1978	44.1	27.4	14.9	13.6	37.2	62.8
1979	43.3	26.9	14.7	15.2	37.4	62.6
1980	40.1	31.5	14.8	13.6	43.5	56.5
1981	42.9	29.4	15.0	12.7	44.8	55.2
1982	45.6	27.3	14.1	13.1	43.9	56.1
1983	44.2	27.7	13.5	14.7	43.4	56.6
1984	47.8	21.7	15.0	15.5	35.4	64.6
1985	48.1	23.5	14.3	14.1	35.5	64.5
1986	-	-	-	-	-	-

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

BREAKDOWN OF EC 12 OVERALL TURNOVER : TOTAL (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	4,340	5,444	6,576	6,776	7,285	8,188	9,277	10,583	11,912
- R-D CONTRACTS.....	1,439	1,850	2,038	2,061	2,153	2,492	2,862	3,087	3,526
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	664	808	1,055	1,151	1,251	1,236	1,595	1,675	1,956
- SALES.....	2,238	2,786	3,483	3,565	3,880	4,460	4,820	5,821	6,430
AEROSPACE MANUFACTURERS.....	4,134	5,282	7,506	10,411	11,872	12,765	13,302	13,739	16,401
- NATIONAL.....	1,867	2,417	3,142	4,039	4,504	4,607	4,654	4,829	6,022
- EC 12.....	1,761	2,157	3,116	4,647	5,522	6,303	6,422	5,938	6,455
- NON-MEMBER COUNTRIES.....	506	707	1,248	1,725	1,846	1,855	2,225	2,973	3,925
FINAL USERS.....	4,372	4,498	6,312	8,222	9,263	9,226	9,974	11,130	11,637
- NATIONAL.....	689	621	847	878	911	850	1,123	1,420	1,562
- EC 12.....	353	501	1,033	1,008	1,161	928	952	1,087	1,009
- NON-MEMBER COUNTRIES.....	3,330	3,375	4,432	6,337	7,190	7,449	7,898	8,622	9,065
TOTAL.....	12,846	15,224	20,394	25,409	28,419	30,179	32,552	35,452	39,950
PUBLIC INTERNAL MARKET.....(1)..	4,498	5,602	7,197	7,331	7,983	8,673	9,662	10,965	12,374
COMMERCIAL INTERNAL MARKET....(2)..	4,513	5,540	7,517	10,015	11,399	12,202	12,766	12,892	14,586
EXPORTS.....(3)..	3,835	4,082	5,681	8,062	9,036	9,304	10,124	11,595	12,990

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : TOTAL (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	33.8	35.8	32.2	26.7	25.6	27.1	28.5	29.9	29.8
- R-D CONTRACTS.....	11.2	12.1	10.0	8.1	7.6	8.3	8.8	8.7	8.8
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	5.2	5.3	5.2	4.5	4.4	4.1	4.9	4.7	4.9
- SALES.....	17.4	18.3	17.1	14.0	13.7	14.8	14.8	16.4	16.1
AEROSPACE MANUFACTURERS.....	32.2	34.7	36.8	41.0	41.8	42.3	40.9	38.8	41.1
- NATIONAL.....	14.5	15.9	15.4	15.9	15.8	15.3	14.3	13.6	15.1
- EC 12.....	13.7	14.2	15.3	18.3	19.4	20.9	19.7	16.7	16.2
- NON-MEMBER COUNTRIES.....	3.9	4.6	6.1	6.8	6.5	6.1	6.8	8.4	9.8
FINAL USERS.....	34.0	29.5	31.0	32.4	32.6	30.6	30.6	31.4	29.1
- NATIONAL.....	5.4	4.1	4.2	3.5	3.2	2.8	3.5	4.0	3.9
- EC 12.....	2.8	3.3	5.1	4.0	4.1	3.1	2.9	3.1	2.5
- NON-MEMBER COUNTRIES.....	25.9	22.2	21.7	24.9	25.3	24.7	24.3	24.3	22.7
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PUBLIC INTERNAL MARKET.....(1)...	35.0	36.8	35.3	28.9	28.1	28.7	29.7	30.9	31.0
COMMERCIAL INTERNAL MARKET....(2)...	35.1	36.4	36.9	39.4	40.1	40.4	39.2	36.4	36.5
EXPORTS.....(3)...	29.9	26.8	27.9	31.7	31.8	30.8	31.1	32.7	32.5

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : CIVIL SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	394	730	579	572	677	896	743	938	1,457
- R-D CONTRACTS.....	197	187	334	276	347	334	357	547	711
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	34	42	66	68	58	64	58	75	56
- SALES.....	163	501	180	228	273	498	328	316	689
AEROSPACE MANUFACTURERS.....	1,354	1,766	2,811	3,667	4,564	4,995	5,178	5,974	6,931
- NATIONAL.....	663	901	1,389	1,495	1,644	1,888	1,792	2,050	2,366
- EC 12.....	416	490	734	1,177	1,872	2,036	1,971	2,255	2,345
- NON-MEMBER COUNTRIES.....	275	375	687	995	1,048	1,071	1,416	1,670	2,220
FINAL USERS.....	1,916	1,912	2,728	3,336	3,306	3,917	4,461	4,977	6,352
- NATIONAL.....	689	621	847	878	911	850	1,123	1,420	1,562
- EC 12.....	196	344	412	452	462	442	566	705	547
- NON-MEMBER COUNTRIES.....	1,032	947	1,468	2,006	1,933	2,625	2,771	2,852	4,243
TOTAL.....	3,664	4,408	6,118	7,575	8,548	9,808	10,382	11,890	14,740
PUBLIC INTERNAL MARKET.....(1)..	394	730	579	572	677	896	743	938	1,457
COMMERCIAL INTERNAL MARKET....(2)..	1,964	2,356	3,383	4,002	4,889	5,216	5,452	6,430	6,820
EXPORTS.....(3)..	1,306	1,322	2,155	3,001	2,981	3,695	4,187	4,522	6,463

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : CIVIL SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	10.7	16.6	9.5	7.6	7.9	9.1	7.2	7.9	9.9
- R-D CONTRACTS.....	5.4	4.2	5.5	3.6	4.1	3.4	3.4	4.6	4.8
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	0.9	0.9	1.1	0.9	0.7	0.7	0.6	0.6	0.4
- SALES.....	4.4	11.4	2.9	3.0	3.2	5.1	3.2	2.7	4.7
AEROSPACE MANUFACTURERS.....	37.0	40.1	45.9	48.4	53.4	50.9	49.9	50.2	47.0
- NATIONAL.....	18.1	20.4	22.7	19.7	19.2	19.3	17.3	17.2	16.1
- EC 12.....	11.4	11.1	12.0	15.5	21.9	20.8	19.0	19.0	15.9
- NON-MEMBER COUNTRIES.....	7.5	8.5	11.2	13.1	12.3	10.9	13.6	14.0	15.1
FINAL USERS.....	52.3	43.4	44.6	44.0	38.7	39.9	43.0	41.9	43.1
- NATIONAL.....	18.8	14.1	13.9	11.6	10.7	8.7	10.8	11.9	10.6
- EC 12.....	5.3	7.8	6.7	6.0	5.4	4.5	5.5	5.9	3.7
- NON-MEMBER COUNTRIES.....	28.2	21.5	24.0	26.5	22.6	26.8	26.7	24.0	28.8
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PUBLIC INTERNAL MARKET.....(1)..	10.7	16.6	9.5	7.6	7.9	9.1	7.2	7.9	9.9
COMMERCIAL INTERNAL MARKET....(2)..	53.6	53.4	55.3	52.8	57.2	53.2	52.5	54.1	46.3
EXPORTS.....(3)..	35.6	30.0	35.2	39.6	34.9	37.7	40.3	38.0	43.8

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : CIVIL SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	3.1	4.8	2.8	2.3	2.4	3.0	2.3	2.6	3.6
- R-D CONTRACTS.....	1.5	1.2	1.6	1.1	1.2	1.1	1.1	1.5	1.8
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1
- SALES.....	1.3	3.3	0.9	0.9	1.0	1.6	1.0	0.9	1.7
AEROSPACE MANUFACTURERS.....	10.5	11.6	13.8	14.4	16.1	16.6	15.9	16.9	17.3
- NATIONAL.....	5.2	5.9	6.8	5.9	5.8	6.3	5.5	5.8	5.9
- EC 12.....	3.2	3.2	3.6	4.6	6.6	6.7	6.1	6.4	5.9
- NON-MEMBER COUNTRIES.....	2.1	2.5	3.4	3.9	3.7	3.5	4.3	4.7	5.6
FINAL USERS.....	14.9	12.6	13.4	13.1	11.6	13.0	13.7	14.0	15.9
- NATIONAL.....	5.4	4.1	4.2	3.5	3.2	2.8	3.5	4.0	3.9
- EC 12.....	1.5	2.3	2.0	1.8	1.6	1.5	1.7	2.0	1.4
- NON-MEMBER COUNTRIES.....	8.0	6.2	7.2	7.9	6.8	8.7	8.5	8.0	10.6
TOTAL.....	28.5	29.0	30.0	29.8	30.1	32.5	31.9	33.5	36.9
PUBLIC INTERNAL MARKET.....(1)...	3.1	4.8	2.8	2.3	2.4	3.0	2.3	2.6	3.6
COMMERCIAL INTERNAL MARKET....(2)...	15.3	15.5	16.6	15.7	17.2	17.3	16.7	18.1	17.1
EXPORTS.....(3)...	10.2	8.7	10.6	11.8	10.5	12.2	12.9	12.8	16.2

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : MILITARY SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	3,947	4,714	5,996	6,204	6,607	7,291	8,533	9,645	10,455
- R-D CONTRACTS.....	1,243	1,662	1,704	1,785	1,807	2,157	2,505	2,540	2,815
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	629	767	989	1,083	1,192	1,172	1,537	1,600	1,899
- SALES.....	2,075	2,285	3,304	3,336	3,608	3,962	4,492	5,505	5,741
AEROSPACE MANUFACTURERS.....	2,780	3,515	4,696	6,744	7,307	7,770	8,124	7,765	9,470
- NATIONAL.....	1,203	1,516	1,752	2,544	2,860	2,719	2,863	2,779	3,656
- EC 12.....	1,345	1,667	2,382	3,470	3,650	4,267	4,452	3,683	4,110
- NON-MEMBER COUNTRIES.....	231	332	562	730	797	784	810	1,303	1,705
FINAL USERS.....	2,456	2,586	3,584	4,886	5,956	5,309	5,513	6,153	5,285
- NATIONAL.....	-	-	-	-	-	-	-	-	-
- EC 12.....	158	157	621	556	699	486	386	382	462
- NON-MEMBER COUNTRIES.....	2,298	2,429	2,964	4,331	5,257	4,824	5,127	5,770	4,822
TOTAL.....	9,182	10,815	14,277	17,834	19,871	20,371	22,170	23,562	25,210
PUBLIC INTERNAL MARKET.....(1)..	4,104	4,871	6,617	6,759	7,306	7,777	8,919	10,027	10,918
COMMERCIAL INTERNAL MARKET....(2)..	2,549	3,184	4,134	6,014	6,510	6,986	7,314	6,462	7,766
EXPORTS.....(3)..	2,529	2,761	3,525	5,061	6,055	5,608	5,937	7,074	6,527

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : MILITARY SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	43.0	43.6	42.0	34.8	33.3	35.8	38.5	40.9	41.5
- R-D CONTRACTS.....	13.5	15.4	11.9	10.0	9.1	10.6	11.3	10.8	11.2
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	6.9	7.1	6.9	6.1	6.0	5.8	6.9	6.8	7.5
- SALES.....	22.6	21.1	23.1	18.7	18.2	19.4	20.3	23.4	22.8
AEROSPACE MANUFACTURERS.....	30.3	32.5	32.9	37.8	36.8	38.1	36.6	33.0	37.6
- NATIONAL.....	13.1	14.0	12.3	14.3	14.4	13.3	12.9	11.8	14.5
- EC 12.....	14.6	15.4	16.7	19.5	18.4	20.9	20.1	15.6	16.3
- NON-MEMBER COUNTRIES.....	2.5	3.1	3.9	4.1	4.0	3.9	3.7	5.5	6.8
FINAL USERS.....	26.7	23.9	25.1	27.4	30.0	26.1	24.9	26.1	21.0
- NATIONAL.....	-	-	-	-	-	-	-	-	-
- EC 12.....	1.7	1.5	4.3	3.1	3.5	2.4	1.7	1.6	1.8
- NON-MEMBER COUNTRIES.....	25.0	22.5	20.8	24.3	26.5	23.7	23.1	24.5	19.1
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PUBLIC INTERNAL MARKET.....(1)..	44.7	45.0	46.3	37.9	36.8	38.2	40.2	42.6	43.3
COMMERCIAL INTERNAL MARKET....(2)..	27.8	29.4	29.0	33.7	32.8	34.3	33.0	27.4	30.8
EXPORTS.....(3)..	27.5	25.5	24.7	28.4	30.5	27.5	26.8	30.0	25.9

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : MILITARY SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	30.7	31.0	29.4	24.4	23.2	24.2	26.2	27.2	26.2
- R-D CONTRACTS.....	9.7	10.9	8.4	7.0	6.4	7.1	7.7	7.2	7.0
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	4.9	5.0	4.8	4.3	4.2	3.9	4.7	4.5	4.8
- SALES.....	16.1	15.0	16.2	13.1	12.7	13.1	13.8	15.5	14.4
AEROSPACE MANUFACTURERS.....	21.6	23.1	23.0	26.5	25.7	25.7	25.0	21.9	23.7
- NATIONAL.....	9.4	10.0	8.6	10.0	10.1	9.0	8.8	7.8	9.2
- EC 12.....	10.5	11.0	11.7	13.7	12.8	14.1	13.7	10.4	10.3
- NON-MEMBER COUNTRIES.....	1.8	2.2	2.8	2.9	2.8	2.6	2.5	3.7	4.3
FINAL USERS.....	19.1	17.0	17.6	19.2	21.0	17.6	16.9	17.4	13.2
- NATIONAL.....	-	-	-	-	-	-	-	-	-
- EC 12.....	1.2	1.0	3.0	2.2	2.5	1.6	1.2	1.1	1.2
- NON-MEMBER COUNTRIES.....	17.9	16.0	14.5	17.0	18.5	16.0	15.8	16.3	12.1
TOTAL.....	71.5	71.0	70.0	70.2	69.9	67.5	68.1	66.5	63.1
PUBLIC INTERNAL MARKET.....(1)..	32.0	32.0	32.4	26.6	25.7	25.8	27.4	28.3	27.3
COMMERCIAL INTERNAL MARKET....(2)..	19.8	20.9	20.3	23.7	22.9	23.1	22.5	18.2	19.4
EXPORTS.....(3)..	19.7	18.1	17.3	19.9	21.3	18.6	18.2	20.0	16.3

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : AIRFRAME AND MISSILES SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	2,479	3,556	3,699	3,697	3,815	4,248	4,484	5,550	5,783
- R-D CONTRACTS.....	769	1,169	1,093	1,133	1,137	1,312	1,576	1,627	1,924
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	344	487	554	600	657	626	815	833	962
- SALES.....	1,366	1,900	2,052	1,963	2,021	2,310	2,093	3,090	2,897
AEROSPACE MANUFACTURERS.....	1,533	2,059	3,042	4,017	4,786	5,456	5,407	5,180	5,963
- NATIONAL.....	536	737	938	1,212	1,356	1,441	1,340	1,310	1,402
- EC 12.....	840	1,100	1,744	2,432	2,924	3,626	3,656	3,124	3,086
- NON-MEMBER COUNTRIES.....	157	221	361	374	506	389	411	746	1,475
FINAL USERS.....	3,035	3,038	4,302	5,875	6,785	6,590	7,327	7,447	6,967
- NATIONAL.....	328	245	349	410	473	335	500	569	368
- EC 12.....	163	222	592	514	714	548	496	596	275
- NON-MEMBER COUNTRIES.....	2,544	2,571	3,361	4,951	5,599	5,708	6,331	6,282	6,324
TOTAL.....	7,048	8,653	11,043	13,589	15,386	16,295	17,218	18,177	18,712
PUBLIC INTERNAL MARKET.....(1)...	2,538	3,617	4,122	4,051	4,323	4,551	4,739	5,814	5,882
COMMERCIAL INTERNAL MARKET....(2)...	1,809	2,243	3,200	4,214	4,958	5,646	5,738	5,335	5,031
EXPORTS.....(3)...	2,701	2,792	3,721	5,325	6,104	6,097	6,742	7,027	7,800

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

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(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : AIRFRAME AND MISSILES SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	35.2	41.1	33.5	27.2	24.8	26.1	26.0	30.5	30.9
- R-D CONTRACTS.....	10.9	13.5	9.9	8.3	7.4	8.1	9.2	9.0	10.3
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	4.9	5.6	5.0	4.4	4.3	3.8	4.7	4.6	5.1
- SALES.....	19.4	22.0	18.6	14.4	13.1	14.2	12.2	17.0	15.5
AEROSPACE MANUFACTURERS.....	21.8	23.8	27.5	29.6	31.1	33.5	31.4	28.5	31.9
- NATIONAL.....	7.6	8.5	8.5	8.9	8.8	8.8	7.8	7.2	7.5
- EC 12.....	11.9	12.7	15.8	17.9	19.0	22.3	21.2	17.2	16.5
- NON-MEMBER COUNTRIES.....	2.2	2.6	3.3	2.8	3.3	2.4	2.4	4.1	7.9
FINAL USERS.....	43.1	35.1	39.0	43.2	44.1	40.4	42.6	41.0	37.2
- NATIONAL.....	4.7	2.8	3.2	3.0	3.1	2.1	2.9	3.1	2.0
- EC 12.....	2.3	2.6	5.4	3.8	4.6	3.4	2.9	3.3	1.5
- NON-MEMBER COUNTRIES.....	36.1	29.7	30.4	36.4	36.4	35.0	36.8	34.6	33.8
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PUBLIC INTERNAL MARKET.....(1)...	36.0	41.8	37.3	29.8	28.1	27.9	27.5	32.0	31.4
COMMERCIAL INTERNAL MARKET....(2)...	25.7	25.9	29.0	31.0	32.2	34.7	33.3	29.4	26.9
EXPORTS.....(3)...	38.3	32.3	33.7	39.2	39.7	37.4	39.2	38.7	41.7

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

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(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : AIRFRAME AND MISSILES SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	19.3	23.4	18.1	14.5	13.4	14.1	13.8	15.7	14.5
- R-D CONTRACTS.....	6.0	7.7	5.4	4.5	4.0	4.3	4.8	4.6	4.8
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	2.7	3.2	2.7	2.4	2.3	2.1	2.5	2.3	2.4
- SALES.....	10.6	12.5	10.1	7.7	7.1	7.7	6.4	8.7	7.3
AEROSPACE MANUFACTURERS.....	11.9	13.5	14.9	15.8	16.8	18.1	16.6	14.6	14.9
- NATIONAL.....	4.2	4.8	4.6	4.8	4.8	4.8	4.1	3.7	3.5
- EC 12.....	6.5	7.2	8.6	9.6	10.3	12.0	11.2	8.8	7.7
- NON-MEMBER COUNTRIES.....	1.2	1.5	1.8	1.5	1.8	1.3	1.3	2.1	3.7
FINAL USERS.....	23.6	20.0	21.1	23.1	23.9	21.8	22.5	21.0	17.4
- NATIONAL.....	2.6	1.6	1.7	1.6	1.7	1.1	1.5	1.6	0.9
- EC 12.....	1.3	1.5	2.9	2.0	2.5	1.8	1.5	1.7	0.7
- NON-MEMBER COUNTRIES.....	19.8	16.9	16.5	19.5	19.7	18.9	19.4	17.7	15.8
TOTAL.....	54.9	56.8	54.1	53.5	54.1	54.0	52.9	51.3	46.8
PUBLIC INTERNAL MARKET.....(1)...	19.8	23.8	20.2	15.9	15.2	15.1	14.6	16.4	14.7
COMMERCIAL INTERNAL MARKET....(2)...	14.1	14.7	15.7	16.6	17.4	18.7	17.6	15.0	12.6
EXPORTS.....(3)...	21.0	18.3	18.2	21.0	21.5	20.2	20.7	19.8	19.5

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(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : SPACE SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	110	115	229	242	351	450	471	734	475
- R-D CONTRACTS.....	90	86	210	152	214	259	281	477	232
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	0	3	5	1	3	5	6	19	16
- SALES.....	20	25	15	90	134	185	183	238	227
AEROSPACE MANUFACTURERS.....	135	152	196	277	534	509	508	663	835
- NATIONAL.....	32	55	56	102	147	95	106	212	253
- EC 12.....	94	91	120	159	362	353	343	419	523
- NON-MEMBER COUNTRIES.....	9	6	20	16	24	61	59	32	58
FINAL USERS.....	114	165	218	256	161	174	331	525	877
- NATIONAL.....	9	6	10	14	13	17	95	219	342
- EC 12.....	48	115	145	180	81	91	185	221	171
- NON-MEMBER COUNTRIES.....	56	44	62	62	67	66	52	85	365
TOTAL.....	359	432	643	775	1,046	1,132	1,310	1,922	2,186
PUBLIC INTERNAL MARKET.....(1)..	110	115	230	242	351	450	471	734	475
COMMERCIAL INTERNAL MARKET....(2)..	183	267	332	455	603	555	728	1,071	1,289
EXPORTS.....(3)..	65	50	82	77	91	127	111	117	423

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : SPACE SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	30.7	26.6	35.7	31.2	33.6	39.7	35.9	38.2	21.7
- R-D CONTRACTS.....	25.1	19.9	32.6	19.6	20.5	22.9	21.5	24.8	10.6
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	0.1	0.8	0.7	0.1	0.3	0.5	0.5	1.0	0.7
- SALES.....	5.6	5.9	2.4	11.6	12.8	16.4	14.0	12.4	10.4
AEROSPACE MANUFACTURERS.....	37.5	35.2	30.5	35.7	51.0	44.9	38.8	34.5	38.2
- NATIONAL.....	9.0	12.8	8.8	13.2	14.1	8.4	8.1	11.0	11.6
- EC 12.....	26.1	21.0	18.6	20.5	34.6	31.1	26.2	21.8	23.9
- NON-MEMBER COUNTRIES.....	2.5	1.4	3.1	2.0	2.3	5.4	4.5	1.7	2.7
FINAL USERS.....	31.8	38.2	33.9	33.0	15.4	15.3	25.3	27.3	40.1
- NATIONAL.....	2.6	1.3	1.6	1.9	1.2	1.5	7.3	11.4	15.6
- EC 12.....	13.4	26.7	22.6	23.2	7.8	8.1	14.1	11.5	7.8
- NON-MEMBER COUNTRIES.....	15.7	10.1	9.7	7.9	6.4	5.8	4.0	4.4	16.7
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PUBLIC INTERNAL MARKET.....(1)...	30.7	26.6	35.7	31.2	33.6	39.7	35.9	38.2	21.7
COMMERCIAL INTERNAL MARKET....(2)...	51.0	61.9	51.6	58.8	57.7	49.0	55.6	55.7	58.9
EXPORTS.....(3)...	18.2	11.5	12.7	10.0	8.7	11.2	8.5	6.1	19.4

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(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : SPACE SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	0.9	0.8	1.1	1.0	1.2	1.5	1.4	2.1	1.2
- R-D CONTRACTS.....	0.7	0.6	1.0	0.6	0.8	0.9	0.9	1.3	0.6
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
- SALES.....	0.2	0.2	0.1	0.4	0.5	0.6	0.6	0.7	0.6
AEROSPACE MANUFACTURERS.....	1.0	1.0	1.0	1.1	1.9	1.7	1.6	1.9	2.1
- NATIONAL.....	0.3	0.4	0.3	0.4	0.5	0.3	0.3	0.6	0.6
- EC 12.....	0.7	0.6	0.6	0.6	1.3	1.2	1.1	1.2	1.3
- NON-MEMBER COUNTRIES.....	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1
FINAL USERS.....	0.9	1.1	1.1	1.0	0.6	0.6	1.0	1.5	2.2
- NATIONAL.....	0.1	0.0	0.1	0.1	0.0	0.1	0.3	0.6	0.9
- EC 12.....	0.4	0.8	0.7	0.7	0.3	0.3	0.6	0.6	0.4
- NON-MEMBER COUNTRIES.....	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.9
TOTAL.....	2.8	2.8	3.2	3.0	3.7	3.8	4.0	5.4	5.5
PUBLIC INTERNAL MARKET.....(1)...	0.9	0.8	1.1	1.0	1.2	1.5	1.4	2.1	1.2
COMMERCIAL INTERNAL MARKET....(2)...	1.4	1.8	1.6	1.8	2.1	1.8	2.2	3.0	3.2
EXPORTS.....(3)...	0.5	0.3	0.4	0.3	0.3	0.4	0.3	0.3	1.1

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(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : ENGINE SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	917	907	1,213	1,175	1,281	1,255	1,366	1,351	1,534
- R-D CONTRACTS.....	344	358	290	324	346	375	290	322	251
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	157	164	286	297	325	326	383	367	350
- SALES.....	416	385	637	553	610	555	694	662	933
AEROSPACE MANUFACTURERS.....	1,065	1,354	1,722	2,704	2,966	2,828	3,250	3,477	3,786
- NATIONAL.....	339	510	627	877	975	738	775	951	884
- EC 12.....	511	556	573	1,041	1,156	1,205	1,398	1,263	1,365
- NON-MEMBER COUNTRIES.....	216	288	522	786	836	886	1,078	1,263	1,537
FINAL USERS.....	699	761	1,063	1,149	1,394	1,165	1,212	1,822	1,861
- NATIONAL.....	203	221	286	234	214	294	237	293	440
- EC 12.....	52	71	164	146	213	143	124	108	120
- NON-MEMBER COUNTRIES.....	443	469	612	769	967	728	851	1,420	1,301
TOTAL.....	2,682	3,022	3,998	5,028	5,642	5,249	5,829	6,649	7,181
PUBLIC INTERNAL MARKET.....(1)..	952	962	1,337	1,287	1,358	1,334	1,434	1,380	1,607
COMMERCIAL INTERNAL MARKET....(2)..	1,070	1,303	1,528	2,186	2,481	2,301	2,466	2,587	2,736
EXPORTS.....(3)..	659	757	1,134	1,555	1,803	1,613	1,928	2,682	2,838

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

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(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : ENGINE SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	34.2	30.0	30.3	23.4	22.7	23.9	23.4	20.3	21.4
- R-D CONTRACTS.....	12.8	11.8	7.3	6.4	6.1	7.1	5.0	4.8	3.5
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	5.9	5.4	7.2	5.9	5.8	6.2	6.6	5.5	4.9
- SALES.....	15.5	12.7	15.9	11.0	10.8	10.6	11.9	10.0	13.0
AEROSPACE MANUFACTURERS.....	39.7	44.8	43.1	53.8	52.6	53.9	55.8	52.3	52.7
- NATIONAL.....	12.6	16.9	15.7	17.4	17.3	14.1	13.3	14.3	12.3
- EC 12.....	19.0	18.4	14.3	20.7	20.5	23.0	24.0	19.0	19.0
- NON-MEMBER COUNTRIES.....	8.1	9.5	13.1	15.6	14.8	16.9	18.5	19.0	21.4
FINAL USERS.....	26.1	25.2	26.6	22.8	24.7	22.2	20.8	27.4	25.9
- NATIONAL.....	7.6	7.3	7.2	4.6	3.8	5.6	4.1	4.4	6.1
- EC 12.....	2.0	2.4	4.1	2.9	3.8	2.7	2.1	1.6	1.7
- NON-MEMBER COUNTRIES.....	16.5	15.5	15.3	15.3	17.1	13.9	14.6	21.4	18.1
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PUBLIC INTERNAL MARKET.....(1)...	35.5	31.8	33.4	25.6	24.1	25.4	24.6	20.8	22.4
COMMERCIAL INTERNAL MARKET....(2)...	39.9	43.1	38.2	43.5	44.0	43.8	42.3	38.9	38.1
EXPORTS.....(3)...	24.6	25.0	28.4	30.9	32.0	30.7	33.1	40.3	39.5

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

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(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : ENGINE SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	7.1	6.0	5.9	4.6	4.5	4.2	4.2	3.8	3.8
- R-D CONTRACTS.....	2.7	2.3	1.4	1.3	1.2	1.2	0.9	0.9	0.6
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	1.2	1.1	1.4	1.2	1.1	1.1	1.2	1.0	0.9
- SALES.....	3.2	2.5	3.1	2.2	2.1	1.8	2.1	1.9	2.3
AEROSPACE MANUFACTURERS.....	8.3	8.9	8.4	10.6	10.4	9.4	10.0	9.8	9.5
- NATIONAL.....	2.6	3.4	3.1	3.5	3.4	2.4	2.4	2.7	2.2
- EC 12.....	4.0	3.7	2.8	4.1	4.1	4.0	4.3	3.6	3.4
- NON-MEMBER COUNTRIES.....	1.7	1.9	2.6	3.1	2.9	2.9	3.3	3.6	3.8
FINAL USERS.....	5.4	5.0	5.2	4.5	4.9	3.9	3.7	5.1	4.7
- NATIONAL.....	1.6	1.4	1.4	0.9	0.8	1.0	0.7	0.8	1.1
- EC 12.....	0.4	0.5	0.8	0.6	0.7	0.5	0.4	0.3	0.3
- NON-MEMBER COUNTRIES.....	3.5	3.1	3.0	3.0	3.4	2.4	2.6	4.0	3.3
TOTAL.....	20.9	19.9	19.6	19.8	19.9	17.4	17.9	18.8	18.0
PUBLIC INTERNAL MARKET.....(1)..	7.4	6.3	6.6	5.1	4.8	4.4	4.4	3.9	4.0
COMMERCIAL INTERNAL MARKET....(2)..	8.3	8.6	7.5	8.6	8.7	7.6	7.6	7.3	6.8
EXPORTS.....(3)..	5.1	5.0	5.6	6.1	6.3	5.3	5.9	7.6	7.1

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(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : EQUIPMENT SECTOR (MIO ECUS AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	834	866	1,434	1,663	1,837	2,234	2,955	2,947	4,120
- R-D CONTRACTS.....	236	237	444	451	456	546	714	661	1,119
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	163	153	210	253	266	278	390	456	629
- SALES.....	435	476	779	958	1,115	1,410	1,851	1,831	2,372
AEROSPACE MANUFACTURERS.....	1,401	1,717	2,546	3,412	3,586	3,973	4,136	4,420	5,819
- NATIONAL.....	960	1,114	1,521	1,847	2,026	2,334	2,433	2,355	3,483
- EC 12.....	317	410	679	1,015	1,080	1,120	1,025	1,132	1,482
- NON-MEMBER COUNTRIES.....	124	192	346	549	480	519	677	933	854
FINAL USERS.....	523	534	730	942	923	1,297	1,104	1,337	1,932
- NATIONAL.....	148	150	201	219	211	204	291	340	413
- EC 12.....	89	93	131	167	153	145	148	161	444
- NON-MEMBER COUNTRIES.....	286	291	397	556	558	947	665	836	1,075
TOTAL.....	2,758	3,117	4,710	6,017	6,346	7,504	8,195	8,704	11,871
PUBLIC INTERNAL MARKET.....(1)...	898	908	1,508	1,752	1,951	2,338	3,019	3,037	4,411
COMMERCIAL INTERNAL MARKET....(2)...	1,450	1,726	2,458	3,160	3,357	3,699	3,834	3,899	5,531
EXPORTS.....(3)...	409	483	744	1,105	1,037	1,466	1,343	1,769	1,929

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : EQUIPMENT SECTOR (AS % OF SECTORAL TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	30.2	27.8	30.4	27.6	29.0	29.8	36.1	33.9	34.7
- R-D CONTRACTS.....	8.6	7.6	9.4	7.5	7.2	7.3	8.7	7.6	9.4
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	5.9	4.9	4.5	4.2	4.2	3.7	4.8	5.2	5.3
- SALES.....	15.8	15.3	16.5	15.9	17.6	18.8	22.6	21.0	20.0
AEROSPACE MANUFACTURERS.....	50.8	55.1	54.1	56.7	56.5	52.9	50.5	50.8	49.0
- NATIONAL.....	34.8	35.8	32.3	30.7	31.9	31.1	29.7	27.1	29.3
- EC 12.....	11.5	13.2	14.4	16.9	17.0	14.9	12.5	13.0	12.5
- NON-MEMBER COUNTRIES.....	4.5	6.2	7.4	9.1	7.6	6.9	8.3	10.7	7.2
FINAL USERS.....	19.0	17.1	15.5	15.7	14.5	17.3	13.5	15.4	16.3
- NATIONAL.....	5.4	4.8	4.3	3.6	3.3	2.7	3.5	3.9	3.5
- EC 12.....	3.2	3.0	2.8	2.8	2.4	1.9	1.8	1.9	3.7
- NON-MEMBER COUNTRIES.....	10.4	9.3	8.4	9.2	8.8	12.6	8.1	9.6	9.1
TOTAL.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
PUBLIC INTERNAL MARKET.....(1)..	32.6	29.1	32.0	29.1	30.8	31.2	36.8	34.9	37.2
COMMERCIAL INTERNAL MARKET....(2)..	52.6	55.4	52.2	52.5	52.9	49.3	46.8	44.8	46.6
EXPORTS.....(3)..	14.8	15.5	15.8	18.4	16.3	19.5	16.4	20.3	16.2

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF EC 12 OVERALL TURNOVER : EQUIPMENT SECTOR (AS % OF GRAND TOTAL)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	6.5	5.7	7.0	6.5	6.5	7.4	9.1	8.3	10.3
- R-D CONTRACTS.....	1.8	1.6	2.2	1.8	1.6	1.8	2.2	1.9	2.8
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	1.3	1.0	1.0	1.0	0.9	0.9	1.2	1.3	1.6
- SALES.....	3.4	3.1	3.8	3.8	3.9	4.7	5.7	5.2	5.9
AEROSPACE MANUFACTURERS.....	10.9	11.3	12.5	13.4	12.6	13.2	12.7	12.5	14.6
- NATIONAL.....	7.5	7.3	7.5	7.3	7.1	7.7	7.5	6.6	8.7
- EC 12.....	2.5	2.7	3.3	4.0	3.8	3.7	3.2	3.2	3.7
- NON-MEMBER COUNTRIES.....	1.0	1.3	1.7	2.2	1.7	1.7	2.1	2.6	2.1
FINAL USERS.....	4.1	3.5	3.6	3.7	3.2	4.3	3.4	3.8	4.8
- NATIONAL.....	1.2	1.0	1.0	0.9	0.7	0.7	0.9	1.0	1.0
- EC 12.....	0.7	0.6	0.6	0.7	0.5	0.5	0.5	0.5	1.1
- NON-MEMBER COUNTRIES.....	2.2	1.9	1.9	2.2	2.0	3.1	2.0	2.4	2.7
TOTAL.....	21.5	20.5	23.1	23.7	22.3	24.9	25.2	24.6	29.7
PUBLIC INTERNAL MARKET.....(1)...	7.0	6.0	7.4	6.9	6.9	7.7	9.3	8.6	11.0
COMMERCIAL INTERNAL MARKET....(2)...	11.3	11.3	12.1	12.4	11.8	12.3	11.8	11.0	13.8
EXPORTS.....(3)...	3.2	3.2	3.6	4.3	3.7	4.9	4.1	5.0	4.8

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) STATE + EC 12 FINAL MILITARY USERS

(2) NATIONAL AND EC 12 CIVIL AND MILITARY MANUFACTURERS AND FINAL CIVIL USERS

(3) MANUFACTURERS AND FINAL USERS OF THIRD COUNTRIES

BREAKDOWN OF PUBLIC SUPPORT BY CONTRACT TYPE (MIO ECU AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
EC 12									
R-D.....	1,439	1,850	2,038	2,061	2,153	2,492	2,862	3,087	3,526
CIVIL.....	197	187	334	276	347	334	357	547	711
MILITARY.....	1,243	1,662	1,704	1,785	1,807	2,157	2,505	2,540	2,815
MAINTENANCE AND PURCHASE.....	3,059	3,752	5,159	5,271	5,830	6,181	6,800	7,878	8,848
CIVIL.....	197	543	246	296	331	562	386	391	746
MILITARY.....	2,861	3,209	4,913	4,975	5,499	5,619	6,414	7,487	8,102
TOTAL.....	4,498	5,602	7,197	7,331	7,983	8,673	9,662	10,965	12,374
AS % OF FINAL TURNOVER	41.0%	43.7%	41.7%	34.3%	33.4%	33.9%	34.6%	35.8%	36.5%
USA									
R-D.....	4,484	4,261	4,760	7,639	9,979	11,688	15,498	17,587	15,770
MAINTENANCE AND PURCHASE.....	9,512	9,728	12,434	18,667	26,648	34,942	42,312	51,922	41,002
TOTAL.....	13,996	13,989	17,195	26,306	36,627	46,630	57,810	69,510	56,772
AS % OF FINAL TURNOVER	57.2%	49.9%	50.5%	53.6%	61.1%	64.7%	68.7%	67.3%	65.7%

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

BREAKDOWN OF STATE SUPPORT BY CONTRACT TYPE (AS % OF TOTAL SUPPORT)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
EC 12									
R-D.....	32.0	33.0	28.3	28.1	27.0	28.7	29.6	28.2	28.5
CIVIL.....	4.4	3.3	4.6	3.8	4.3	3.9	3.7	5.0	5.7
MILITARY.....	27.6	29.7	23.7	24.3	22.6	24.9	25.9	23.2	22.8
MAINTENANCE AND PURCHASE.....	68.0	67.0	71.7	71.9	73.0	71.3	70.4	71.8	71.5
CIVIL.....	4.4	9.7	3.4	4.0	4.1	6.5	4.0	3.6	6.0
MILITARY.....	63.6	57.3	68.3	67.9	68.9	64.8	66.4	68.3	65.5
USA									
R-D.....	32.0	30.5	27.7	29.0	27.2	25.1	26.8	25.3	27.8
MAINTENANCE AND PURCHASE.....	68.0	69.5	72.3	71.0	72.8	74.9	73.2	74.7	72.2

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

BREAKDOWN OF PUBLIC SUPPORT FOR THE EC AEROSPACE INDUSTRY BY CONTRACT AND SUBSECTOR (MIO ECU AT CURRENT PRICES)

	1978	1979	1980	1981	1982	1983	1984	1985	1986
AIRFRAMES AND MISSILES									
- R-D.....	69	70	101	103	103	123	53	47	266
CIVIL.....									
MILITARY...	701	1,099	992	1,030	1,034	1,189	1,524	1,580	1,658
- MAINTENANCE AND PURCHASE...	112	455	106	95	129	285	118	87	165
CIVIL.....									
MILITARY...	1,597	1,933	2,500	2,468	2,548	2,651	2,790	3,836	3,694
- INTRA-EC 12 PURCHASES....	58	61	423	354	508	303	254	264	99
MILITARY.....									
TOTAL.....	2,538	3,617	4,122	4,051	4,323	4,551	4,739	5,814	5,882
SPACE									
- R-D.....	86	83	196	145	208	180	275	470	229
CIVIL.....									
MILITARY...	4	3	14	7	6	79	6	7	3
- MAINTENANCE AND PURCHASE...	19	25	6	85	108	177	183	181	155
CIVIL.....									
MILITARY...	2	4	14	6	29	14	6	76	88
- INTRA-EC 12 PURCHASES....	0	0	0	0	0	0	0	0	0
MILITARY.....									
TOTAL.....	110	115	230	242	351	450	471	734	475
ENGINES									
- R-D.....	36	29	29	21	31	24	16	20	33
CIVIL.....									
MILITARY...	308	328	261	303	315	351	273	302	218
- MAINTENANCE AND PURCHASE...	21	29	72	56	45	28	31	24	111
CIVIL.....									
MILITARY...	552	520	851	794	890	852	1,046	1,006	1,172
- INTRA-EC 12 PURCHASES....	35	55	123	112	76	78	68	29	73
MILITARY.....									
TOTAL.....	952	962	1,337	1,287	1,358	1,334	1,434	1,380	1,607
EQUIPMENT									
- R-D.....	6	5	7	7	4	7	13	10	182
CIVIL.....									
MILITARY...	230	232	437	445	451	539	701	651	936
- MAINTENANCE AND PURCHASE...	45	35	63	60	48	72	54	99	316
CIVIL.....									
MILITARY...	553	594	927	1,152	1,333	1,617	2,187	2,188	2,685
- INTRA-EC 12 PURCHASES....	65	42	74	89	114	104	64	89	291
MILITARY.....									
TOTAL.....	898	908	1,508	1,752	1,951	2,338	3,019	3,037	4,411

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

BREAKDOWN OF PUBLIC SUPPORT FOR THE EC AEROSPACE INDUSTRY BY CONTRACT AND SUBSECTOR (AS % OF SUBSECTOR)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	
AIRFRAMES AND MISSILES										
- R-D.....	2.7	1.9	2.4	2.5	2.4	2.7	1.1	0.8	4.5	
CIVIL.....										
MILITARY...	27.6	30.4	24.1	25.4	23.9	26.1	32.2	27.2	28.2	
- MAINTENANCE AND PURCHASE...	4.4	12.6	2.6	2.3	3.0	6.3	2.5	1.5	2.8	
CIVIL.....										
MILITARY...	62.9	53.4	60.6	60.9	58.9	58.2	58.9	66.0	62.8	
- INTRA-EC 12 PURCHASES....	2.3	1.7	10.3	8.7	11.8	6.7	5.4	4.5	1.7	
MILITARY.....										
TOTAL (AS % OF GRAND TOTAL).....	56.4	64.6	57.3	55.2	54.1	52.5	49.0	53.0	47.5	
SPACE										
- R-D.....	78.1	72.0	85.4	59.9	59.2	40.1	58.4	64.0	48.2	
CIVIL.....										
MILITARY...	3.5	2.9	5.9	2.8	1.8	17.5	1.4	0.9	0.6	
- MAINTENANCE AND PURCHASE...	16.9	21.6	2.4	35.1	30.9	39.3	38.9	24.7	32.6	
CIVIL.....										
MILITARY...	1.5	3.5	6.1	2.3	8.1	3.2	1.3	10.3	18.6	
- INTRA-EC 12 PURCHASES....	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
MILITARY.....										
TOTAL (AS % OF GRAND TOTAL).....	21.2	17.2	18.6	17.5	17.0	15.4	14.8	12.6	13.0	
ENGINES										
- R-D.....	3.8	3.1	2.2	1.7	2.3	1.8	1.1	1.5	2.1	
CIVIL.....										
MILITARY...	32.4	34.1	19.5	23.5	23.2	26.3	19.1	21.9	13.6	
- MAINTENANCE AND PURCHASE...	2.2	3.0	5.4	4.4	3.3	2.1	2.2	1.7	6.9	
CIVIL.....										
MILITARY...	58.0	54.1	63.7	61.7	65.6	63.9	72.9	72.9	72.9	
- INTRA-EC 12 PURCHASES....	3.6	5.7	9.2	8.7	5.6	5.9	4.7	2.1	4.5	
MILITARY.....										
TOTAL (AS % OF GRAND TOTAL).....	20.0	16.2	21.0	23.9	24.4	27.0	31.2	27.7	35.6	
EQUIPMENT										
- R-D.....	0.6	0.5	0.5	0.4	0.2	0.3	0.4	0.3	4.1	
CIVIL.....										
MILITARY...	25.6	25.6	29.0	25.4	23.1	23.0	23.2	21.4	21.2	
- MAINTENANCE AND PURCHASE...	5.0	3.8	4.1	3.4	2.5	3.1	1.8	3.3	7.2	
CIVIL.....										
MILITARY...	61.5	65.5	61.5	65.7	68.3	69.1	72.5	72.0	60.9	
- INTRA-EC 12 PURCHASES....	7.2	4.6	4.9	5.1	5.9	4.5	2.1	2.9	6.6	
MILITARY.....										
TOTAL (AS % OF GRAND TOTAL).....	2.5	2.1	3.2	3.3	4.4	5.2	4.9	6.7	3.8	

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

PROPORTION OF OVERALL TURNOVER OF EACH MEMBER STATE EXPORTED TO

INDUSTRIAL UNDERTAKINGS IN OTHER MEMBER STATES OF THE EC 12

(AS % OF OVERALL TURNOVER)

	BE	DE	ES	FR	IT	NL	UK	EC 12
1978	33.9	24.8	18.0	7.1	12.9	11.5	15.8	13.7
1979	25.9	20.3	24.7	8.0	9.2	11.0	18.1	14.2
1980	17.1	29.6	26.0	7.6	21.8	12.4	15.0	15.3
1981	17.8	36.0	27.9	8.0	12.5	15.2	21.1	18.3
1982	17.1	38.4	20.4	6.9	11.2	15.9	24.0	19.4
1983	19.8	39.0	28.7	8.8	19.6	12.7	24.8	20.9
1984	27.6	38.6	23.9	7.5	21.2	9.5	22.8	19.7
1985	27.6	33.5	23.6	4.0	25.4	5.4	18.7	16.7
1986	32.3	24.2	21.6	5.3	25.5	4.8	18.7	16.2

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

INTRA INDUSTRIAL TRADE - EXPORTS (MIO ECUS) - BASE : TURNOVER

BELGIUM

	BE	DE	FR	IT	NL	UK	OTHER COUNTRIES	EC 12
1978	-	16.0	29.7	0.2	2.7	1.0	0.1	49.8
1979	-	12.4	39.0	0.2	2.1	2.6	0.0	56.4
1980	-	12.7	38.8	0.4	2.4	2.1	0.2	56.6
1981	-	11.1	62.1	0.1	3.8	0.7	0.1	77.9
1982	-	7.5	57.2	0.0	3.9	2.0	0.1	70.7
1983	-	6.6	57.6	0.0	2.7	1.1	0.1	68.0
1984	-	6.3	63.2	3.7	4.3	1.4	0.5	79.3
1985	-	4.9	87.5	1.6	4.3	1.4	0.0	99.8
1986	-	11.7	84.2	1.7	6.3	2.6	2.5	109.1

FRG

	BE	DE	FR	IT	NL	UK	OTHER COUNTRIES	EC 12
1978	4.3	-	405.3	7.6	30.4	43.9	0.0	491.5
1979	5.3	-	526.0	10.3	22.9	59.2	0.0	623.7
1980	32.6	-	746.7	26.9	32.2	157.0	0.0	995.5
1981	2.4	-	1,092.3	63.5	56.2	264.6	1.8	1,480.8
1982	6.2	-	1,528.5	87.1	70.9	258.4	3.3	1,954.4
1983	7.5	-	1,603.1	145.4	45.3	283.5	12.2	2,097.2
1984	805.0	-	816.5	126.8	63.0	359.8	0.9	2,172.1
1985	12.3	-	1,608.9	108.0	86.8	357.2	11.2	2,184.5
1986	33.2	-	1,516.3	147.2	98.0	551.2	17.0	2,362.9

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

INTRA INDUSTRIAL TRADE - EXPORTS (M10 ECUS) - BASE : TURNOVER

SPAIN

	BE	DE	FR	IT	NL	UK	OTHER COUNTRIES	EC 12
1978	0.0	0.3	18.4	0.0	0.1	0.0	0.0	18.8
1979	0.0	1.7	30.7	0.0	0.1	0.0	0.0	32.5
1980	0.1	3.3	44.0	0.0	0.4	0.0	0.0	47.8
1981	0.1	4.2	69.0	0.0	0.0	0.0	0.0	73.3
1982	0.0	3.1	68.9	0.3	0.9	0.0	0.0	73.2
1983	0.0	3.9	94.8	0.7	0.3	0.0	0.0	99.7
1984	0.0	1.5	30.7	0.6	0.5	0.6	0.0	34.1
1985	0.0	1.8	36.4	0.7	0.6	0.6	0.0	40.1
1986	0.0	2.2	42.8	0.6	0.5	0.6	0.0	46.7

FRANCE

	BE	DE	FR	IT	NL	UK	OTHER COUNTRIES	EC 12
1978	20.2	153.0	-	8.0	22.0	159.1	0.0	362.2
1979	75.3	178.6	-	37.6	11.8	160.2	0.0	463.5
1980	54.5	237.3	-	54.4	21.0	170.4	17.0	554.6
1981	24.8	305.8	-	66.4	17.2	257.0	34.3	705.5
1982	23.3	288.0	-	40.3	36.5	275.4	16.3	679.8
1983	90.2	257.3	-	75.8	169.6	337.9	22.7	953.5
1984	30.3	323.9	-	96.5	128.6	277.8	28.2	885.4
1985	25.8	164.7	-	99.8	26.3	111.6	35.3	463.4
1986	45.4	221.8	-	118.5	47.6	130.7	48.4	612.5

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

INTRA INDUSTRIAL TRADE - EXPORTS (MIO ECUS) - BASE : TURNOVER

ITALY

	BE	DE	FR	IT	NL	UK	OTHER COUNTRIES	EC 12
1978	1.7	57.3	14.1	-	1.6	30.5	0.0	105.2
1979	0.1	35.4	16.9	-	4.1	33.1	0.0	89.6
1980	6.9	178.5	26.0	-	3.8	52.2	0.0	267.4
1981	1.3	110.6	32.9	-	2.9	69.4	0.0	217.1
1982	2.2	109.7	38.2	-	2.6	86.1	0.0	238.7
1983	0.4	341.9	49.8	-	3.0	124.5	0.0	519.6
1984	1.6	342.1	53.7	-	8.7	180.7	0.5	587.4
1985	0.5	457.9	88.9	-	5.5	225.1	2.7	780.5
1986	1.4	441.1	141.7	-	9.2	274.8	4.1	872.4

NETHERLANDS

	BE	DE	FR	IT	NL	UK	OTHER COUNTRIES	EC 12
1978	-	2.2	28.2	-	-	2.8	0.0	33.2
1979	-	2.1	31.5	-	-	3.5	0.0	37.1
1980	-	2.1	39.5	-	-	4.4	0.0	46.0
1981	0.8	2.3	52.8	-	-	10.4	0.0	66.2
1982	2.8	2.7	66.1	-	-	6.5	0.0	78.1
1983	-	3.4	65.7	-	-	7.9	0.0	76.9
1984	-	0.0	41.6	-	-	14.7	0.0	56.3
1985	-	-	18.3	-	-	10.4	0.0	28.7
1986	-	-	20.8	-	-	7.1	0.0	27.9

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

INTRA INDUSTRIAL TRADE - EXPORTS (MIO ECUS) - BASE : TURNOVER

UNITED-KINGDOM

	BE	DE	FR	IT	NL	UK	OTHER COUNTRIES	EC 12
1978	1.1	527.3	101.5	19.3	41.9	-	0.0	691.2
1979	0.8	654.0	126.9	22.5	37.2	-	0.0	841.4
1980	1.3	805.1	211.7	43.4	80.2	-	0.0	1,141.7
1981	2.5	1,562.5	261.5	93.7	94.9	-	0.0	2,015.1
1982	0.8	1,693.8	353.1	93.2	273.4	-	0.4	2,414.7
1983	1.3	1,715.7	437.2	70.6	253.7	-	0.0	2,478.6
1984	1.1	1,837.0	453.2	76.5	188.2	-	0.0	2,555.9
1985	0.8	1,645.2	350.5	65.2	187.5	-	0.0	2,249.3
1986	1.8	1,627.2	295.4	89.0	233.8	-	0.0	2,247.2

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

EMPLOYMENT

Chapter
7

1. The annual survey conducted in conjunction with the national industrial associations enables the employment in the European aerospace industry to be broken down by professional and activity categories. Participants to this survey are the aerospace companies whose turnover concerns (partly or entirely) one or more of the groups of products listed in the columns of the tables.

2. The **PROFESSIONAL CATEGORIES** are the following:

---> **engineers and managers,**

---> **technical employees** comprise technicians, draughtsmen, craftsmen, supervisors, foremen, etc.

---> **administrative employees** comprise clerical and office staff, etc.

---> **production workers** (skilled and unskilled)

The professional categories indicated correspond to the actual functions carried out, and not necessarily correspond to the formal qualifications possessed.

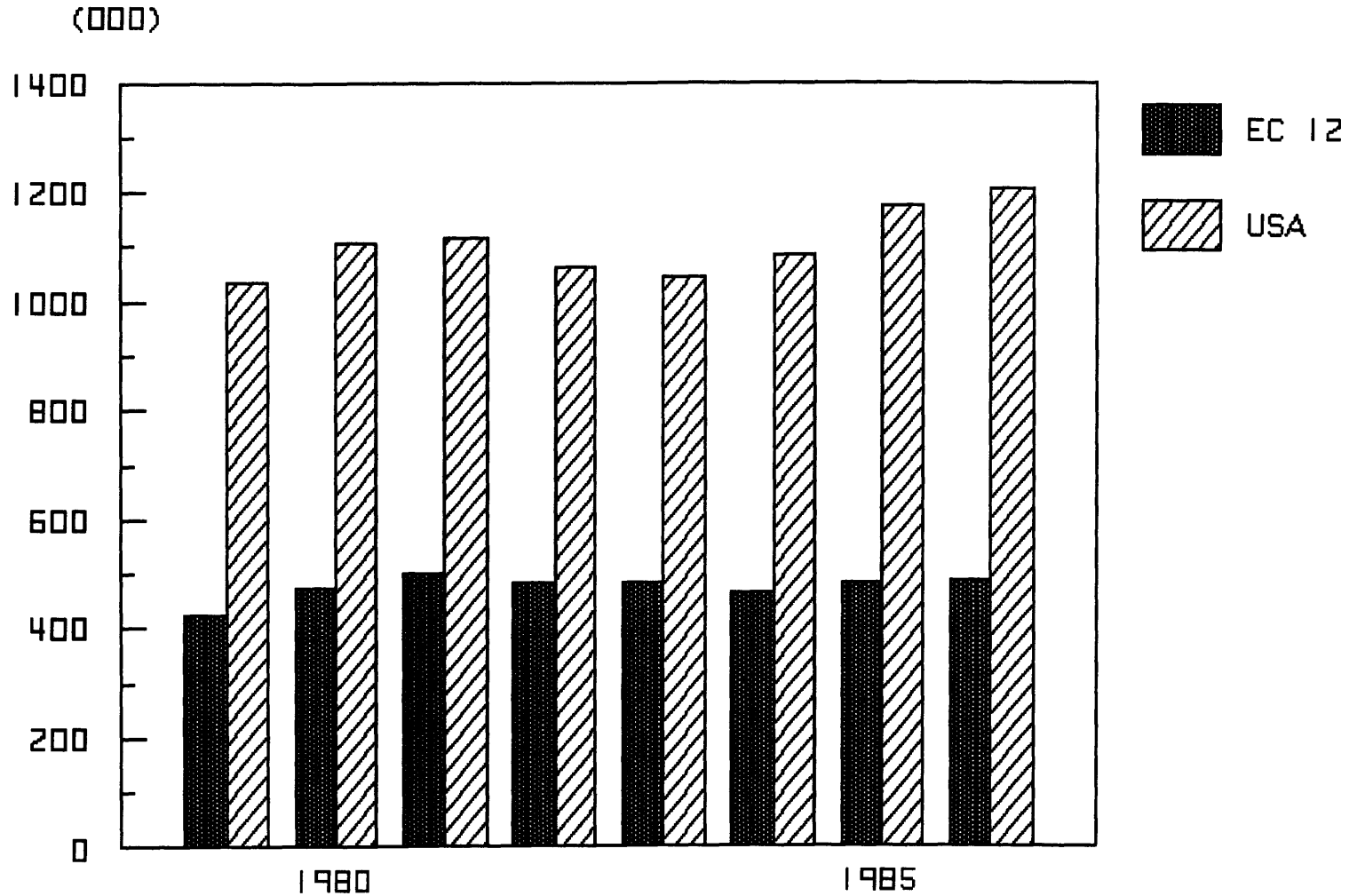
The **ACTIVITIES** considered concern:

---> **R&D,**

---> **production,** including maintenance, repairs and post-delivery modifications,

---> **marketing and management,** including all the activities involved in running the company (overall management, general accounting, financial management, personnel management etc) in addition to marketing activities and after-sales services.

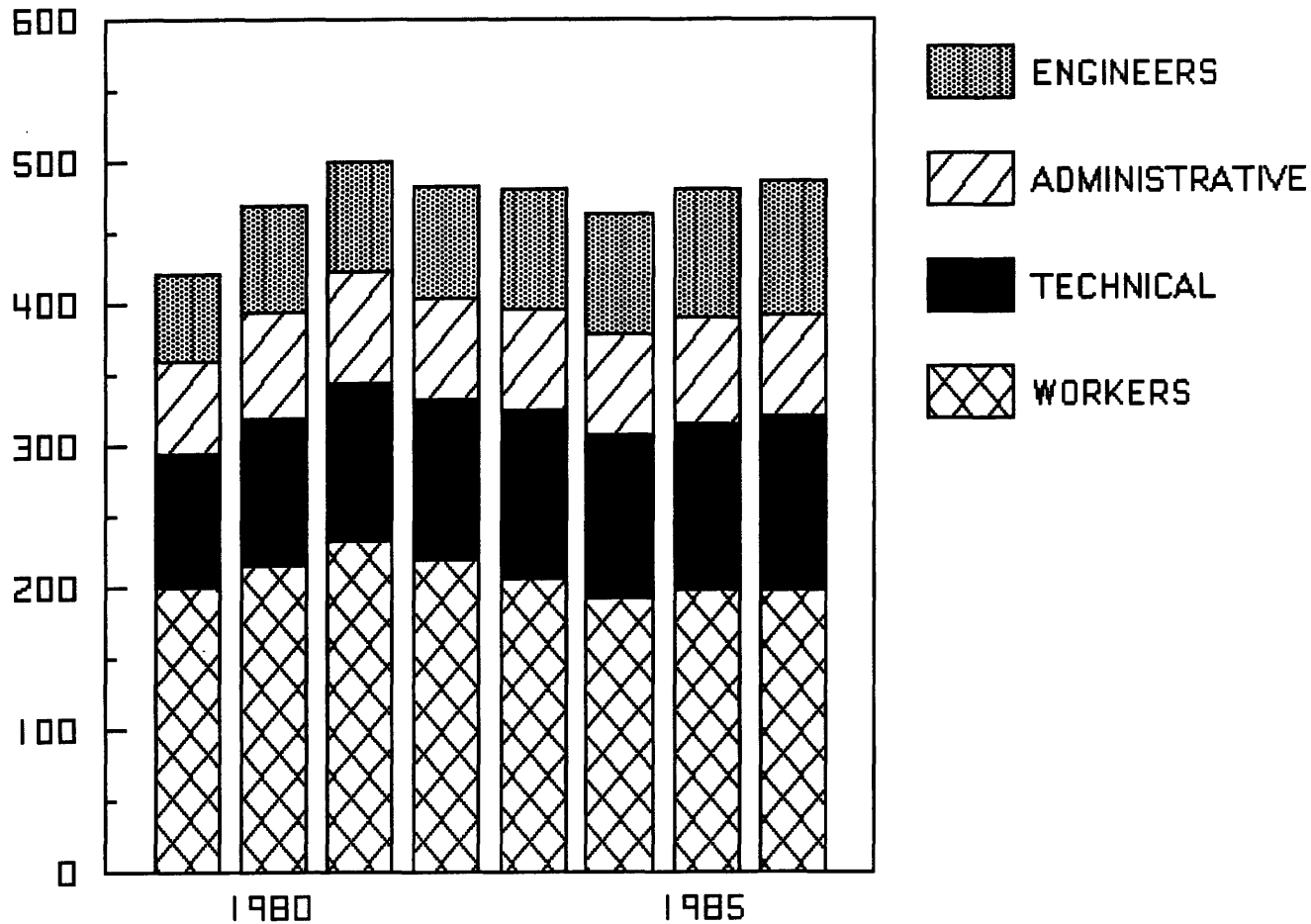
WORKFORCE



ECC - DG III / Source: Industrial Associations

WORKFORCE - EC-12

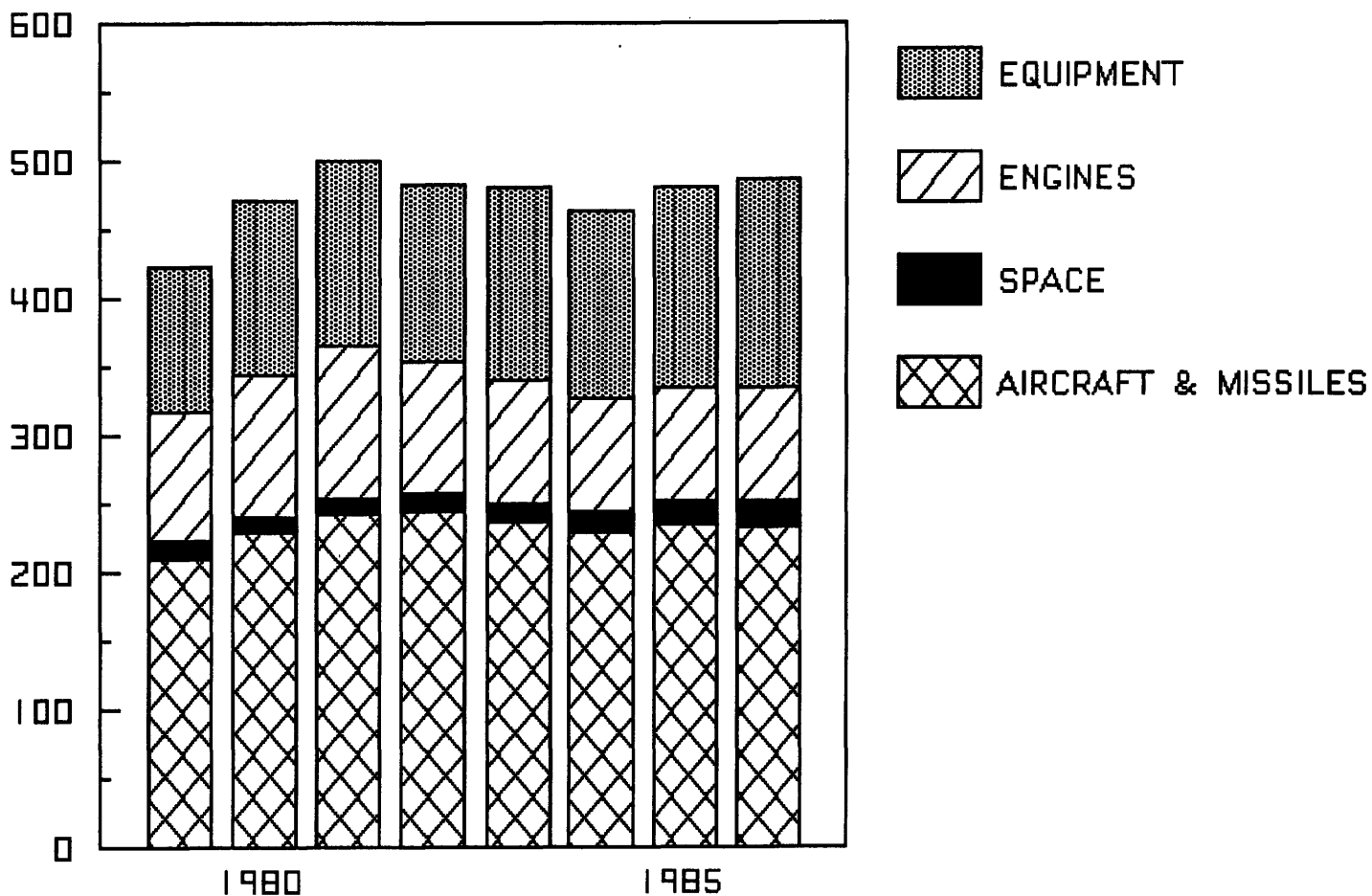
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ECC - DG III / Source: Industrial Associations

WORKFORCE - EC-12

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ECC - DG III / Source: Industrial Associations

EMPLOYMENT (AT 31.12)

	1971	1972	1973	1974	1975	1976	1977	1978
BELGIUM.....	4,849	4,941	4,380	4,422	4,025	5,015	4,895	5,068
FRG.....	56,678	52,455	52,985	52,982	51,914	51,367	52,416	56,348
FRANCE.....	108,646	108,525	105,432	106,769	108,915	107,454	103,295	103,424
ITALY.....	28,000	28,500	30,000	30,240	30,768	31,991	34,260	36,136
NETHERLANDS.....	8,000	6,600	7,000	6,555	7,682	7,865	7,320	7,382
UNITED KINGDOM (1) ..	217,800	207,500	201,700	210,100	233,792	227,402	219,251	214,918
EC 10.....	423,973	408,521	401,497	411,068	437,096	431,094	421,437	423,276
SPAIN (2).....	-	-	-	-	-	-	-	-
EC 12.....	-	-	-	-	-	-	-	-
USA.....	-	-	-	-	-	-	820,000	900,000
CANADA.....	-	28,800	31,700	28,400	27,300	25,300	28,900	33,800
JAPAN.....	-	26,000	26,026	25,550	26,746	-	23,756	25,398

	1979	1980	1981	1982	1983	1984	1985	1986
BELGIUM.....	6,272	7,032	6,886	6,705	6,127	5,757	5,470	5,743
FRG.....	60,866	66,086	68,650	66,883	65,677	65,366	77,256	85,021
FRANCE.....	106,287	110,783	113,690	115,982	127,269	127,815	127,072	126,056
ITALY.....	38,370	40,924	41,920	42,907	42,546	42,885	43,284	44,780
NETHERLANDS.....	7,935	8,862	9,706	9,527	8,398	9,055	10,053	10,860
UNITED KINGDOM (1) ..	196,566	229,821	249,863	230,961	220,010	202,428	206,021	203,927
EC 10.....	416,296	463,508	490,715	472,965	470,027	453,306	469,156	476,387
SPAIN (2).....	7,331	8,177	9,516	10,216	10,538	10,717	10,977	11,169
EC 12.....	423,627	471,685	500,231	483,181	480,565	464,023	480,133	487,556
USA.....	1,035,000	1,107,000	1,116,000	1,062,000	1,044,000	1,084,000	1,175,000	1,207,000
CANADA.....	37,700	46,800	44,800	40,900	38,500	37,400	40,800	45,100
JAPAN.....	25,653	26,373	27,096	27,865	25,486	25,986	25,981	-

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1983-1986: DG III ESTIMATES FOR THE SPACE SECTOR

(2) 1984-1986: DG III ESTIMATES

EMPLOYMENT (AT 31.12)

SECTOR : AIRFRAMES AND MISSILES

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
BELGIUM.....	3,166	3,088	2,948	3,423	3,755	3,461	3,329	2,919	2,757	2,577	2,714
FRG.....	31,479	31,883	34,386	37,935	40,901	42,472	40,501	38,722	39,411	41,694	44,934
FRANCE (1).....	57,452	55,927	56,250	57,935	59,574	60,654	61,448	60,023	60,525	59,807	58,433
ITALY.....	19,391	21,330	22,814	24,788	26,524	26,930	28,183	28,255	27,850	26,280	27,087
NETHERLANDS.....	5,595	5,210	5,310	5,705	6,375	6,982	6,852	6,039	6,511	7,229	7,809
UNITED KINGDOM (2)...	85,957	80,626	81,120	73,875	83,907	92,310	94,953	90,015	81,844	86,799	81,463
EC 10.....	203,040	198,064	202,828	203,661	221,036	232,809	235,266	225,973	218,898	224,386	222,440
SPAIN (3).....	-	-	-	6,413	7,290	8,553	9,233	9,535	9,584	9,813	9,981
EC 12.....	-	-	-	1210,074	1228,326	1241,362	1244,499	1235,508	1228,482	1234,199	1232,421

SECTOR : SPACE

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
BELGIUM.....	299	252	222	290	245	299	364	410	380	434	571
FRG.....	2,537	2,971	2,933	2,841	2,766	2,681	3,727	4,432	5,067	5,447	5,553
FRANCE (1).....	3,630	3,534	3,559	3,564	4,032	4,420	4,912	5,301	6,006	6,696	7,180
ITALY.....	1,350	450	527	482	870	811	914	1,283	1,420	2,280	2,964
NETHERLANDS.....	190	176	171	189	209	229	226	201	217	241	260
UNITED KINGDOM (2)...	1,757	3,019	1,440	4,539	4,417	3,168	3,437	2,119	2,193	1,944	2,938
EC 10.....	9,763	10,402	8,852	11,905	12,539	11,608	13,580	13,746	15,283	17,042	19,466
SPAIN (3).....	-	-	-	150	146	156	140	156	329	359	381
EC 12.....	-	-	-	12,055	12,685	11,764	13,720	13,902	15,612	17,401	19,847

EC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

- (1) 1976-1983: DG III ADJUSTMENTS TO ESTIMATE THE SPACE SECTOR
 (2) 1983-1986: DG III ESTIMATES FOR THE SPACE SECTOR
 (3) 1984-1986: DG III ESTIMATES

EMPLOYMENT (AT 31.12)

SECTOR : ENGINES

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
BELGIUM.....	979	985	1,352	1,807	2,262	2,398	2,357	2,238	2,107	2,053	2,053
FRG.....	6,703	7,341	7,794	8,431	8,701	8,955	8,697	7,717	8,434	8,096	8,790
FRANCE (1).....	22,277	21,327	20,910	21,147	22,310	23,177	24,056	24,306	24,927	25,460	25,629
ITALY.....	5,300	5,430	5,601	5,783	6,037	6,292	5,984	5,803	5,645	6,475	6,086
NETHERLANDS.....	0	0	0	0	0	0	0	0	0	0	0
UNITED KINGDOM (2)...	65,391	63,272	59,817	58,524	62,986	70,942	53,671	51,264	40,630	40,701	38,591
EC 10.....	100,650	98,355	95,474	95,692	102,296	111,764	94,765	91,328	81,743	82,785	81,149
SPAIN (3).....	-	-	-	214	226	240	259	261	290	297	303
EC 12.....	-	-	-	95,906	102,522	112,004	95,024	91,589	82,033	83,082	81,452

SECTOR : EQUIPMENT

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
BELGIUM.....	571	570	546	752	770	728	655	560	513	406	405
FRG.....	10,648	10,221	11,235	11,659	13,718	14,542	13,958	14,806	12,454	22,019	25,744
FRANCE (1).....	24,096	22,509	22,706	23,641	24,867	25,439	25,566	37,639	36,357	35,109	34,816
ITALY.....	5,950	7,050	7,194	7,317	7,493	7,887	7,826	7,205	7,970	8,249	8,643
NETHERLANDS.....	2,080	1,934	1,901	2,041	2,278	2,495	2,449	2,158	2,327	2,583	2,791
UNITED KINGDOM (2)...	74,297	72,334	72,541	59,628	78,511	83,443	78,900	76,612	77,761	76,577	80,935
EC 10.....	117,642	114,618	116,123	105,038	127,637	134,534	129,354	138,980	137,382	144,943	153,334
SPAIN (3).....	-	-	-	554	515	567	584	586	514	508	504
EC 12.....	-	-	-	105,592	128,152	135,101	129,938	139,566	137,896	145,451	153,838

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) 1976-1983: DG III ADJUSTMENTS TO ESTIMATE THE SPACE SECTOR

(2) 1983-1986: DG III ESTIMATES FOR THE SPACE SECTOR

(3) 1984-1986: DG III ESTIMATES

EC 12 : BREAKDOWN OF WORKFORCE BY OCCUPATIONAL GRADING AND BY MAIN ACTIVITY (AT 31.12)

SECTOR : AIRFRAMES AND MISSILES

	1979	1980	1981	1982	1983	1984	1985	1986
ENGINEERS AND MANAGERS...	29,054	33,701	35,055	36,643	38,824	39,056	39,892	40,077
TECHNICAL STAFF.....	48,949	54,066	56,640	61,160	60,423	59,077	57,727	61,946
ADMINISTRATIVE STAFF.....	35,031	39,370	40,492	37,321	34,894	35,189	37,144	35,399
PRODUCTION WORKERS.....	97,040	101,189	109,175	109,375	101,367	94,920	99,436	94,999
R-D.....	34,171	44,592	45,930	47,336	51,332	51,953	48,451	49,006
PRODUCTION.....	133,199	140,610	148,390	149,371	137,266	129,057	138,513	136,917
MARKETING AND MANAGEMENT.	42,704	43,124	47,042	47,792	46,909	47,247	47,251	46,506
TOTAL.....	210,074	228,326	241,362	244,499	235,509	228,242	234,199	232,421
TOTAL (1).....	210,074	228,326	241,362	244,499	235,508	228,482	234,199	232,421

SECTOR : SPACE

	1979	1980	1981	1982	1983	1984	1985	1986
ENGINEERS AND MANAGERS...	2,849	3,600	2,838	3,856	3,688	3,978	4,525	5,074
TECHNICAL STAFF.....	3,933	3,726	3,570	4,052	5,068	5,056	6,184	7,772
ADMINISTRATIVE STAFF.....	1,749	2,047	1,899	2,156	1,957	2,317	2,894	2,287
PRODUCTION WORKERS.....	3,524	3,313	3,457	3,657	3,189	4,261	3,799	4,714
R-D.....	6,265	7,098	6,629	7,740	7,883	7,103	9,170	10,472
PRODUCTION.....	3,924	3,535	3,397	3,871	3,776	5,976	4,955	5,995
MARKETING AND MANAGEMENT.	1,866	2,052	1,738	2,109	2,243	2,532	3,277	3,381
TOTAL.....	12,055	12,685	11,764	13,720	13,903	15,612	17,401	19,847
TOTAL (1).....	12,055	12,685	11,764	13,720	13,902	15,612	17,401	19,847

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) INCLUDING THE STAFF THE BREAKDOWN OF WHICH IS NOT KNOWN

EC 12 : BREAKDOWN OF WORKFORCE BY OCCUPATIONAL GRADING AND BY MAIN ACTIVITY (AT 31.12)

SECTOR : ENGINES

	1979	1980	1981	1982	1983	1984	1985	1986
ENGINEERS AND MANAGERS...	13,317	14,065	14,114	15,432	15,148	13,890	14,077	13,702
TECHNICAL STAFF.....	19,813	19,073	22,743	19,134	21,270	19,226	18,679	18,687
ADMINISTRATIVE STAFF.....	12,321	13,762	15,769	11,329	10,934	9,744	11,104	9,728
PRODUCTION WORKERS.....	50,455	55,622	58,978	49,129	44,237	39,173	39,222	39,334
R-D.....	18,468	15,639	17,504	16,020	17,050	15,760	16,300	15,248
PRODUCTION.....	56,160	67,161	73,026	58,344	54,429	48,796	49,023	49,742
MARKETING AND MANAGEMENT.	21,289	19,722	21,074	20,660	20,110	17,476	17,760	16,462
TOTAL.....	95,906	102,522	111,604	95,024	91,590	82,033	83,082	81,451
TOTAL (1).....	95,906	102,522	112,004	95,024	91,589	82,033	83,082	81,452

SECTOR : EQUIPMENT

	1979	1980	1981	1982	1983	1984	1985	1986
ENGINEERS AND MANAGERS...	17,667	24,496	24,746	23,386	26,768	27,901	30,639	35,764
TECHNICAL STAFF.....	21,878	26,583	28,434	27,830	33,399	32,394	35,192	34,710
ADMINISTRATIVE STAFF.....	16,164	20,168	20,982	20,445	22,297	23,237	23,713	23,604
PRODUCTION WORKERS.....	48,083	55,105	60,339	57,427	56,452	53,464	55,907	59,760
R-D.....	24,889	32,172	33,661	28,150	34,368	36,609	38,533	39,518
PRODUCTION.....	58,299	67,855	76,119	76,382	79,114	73,515	80,801	87,553
MARKETING AND MANAGEMENT.	20,603	26,325	24,721	24,556	25,433	26,873	26,117	26,766
TOTAL.....	103,792	126,352	134,501	129,088	138,917	136,996	145,451	153,838
TOTAL (1).....	105,592	128,152	135,101	129,938	139,566	137,896	145,451	153,838

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) INCLUDING THE STAFF THE BREAKDOWN OF WHICH IS NOT KNOWN

EC 12 : BREAKDOWN OF WORKFORCE BY OCCUPATIONAL GRADING AND BY MAIN ACTIVITY (AT 31.12)

TOTAL

	1979	1980	1981	1982	1983	1984	1985	1986
ENGINEERS AND MANAGERS...	62,887	75,862	76,753	79,317	84,428	84,825	89,133	94,617
TECHNICAL STAFF.....	94,573	103,448	111,387	112,176	120,160	115,753	117,782	123,116
ADMINISTRATIVE STAFF.....	65,265	75,347	79,142	71,251	70,082	70,487	74,855	71,018
PRODUCTION WORKERS.....	199,102	215,229	231,949	219,588	205,245	191,818	198,364	198,807
R-D.....	83,793	99,501	103,725	99,247	110,633	111,426	112,455	114,244
PRODUCTION.....	251,582	279,161	300,932	287,968	274,585	257,344	273,292	280,207
MARKETING AND MANAGEMENT.	86,462	91,223	94,575	95,117	94,695	94,128	94,405	93,115
TOTAL.....	421,827	469,885	499,231	482,331	479,915	462,883	480,133	487,556
TOTAL (1).....	423,627	471,685	500,231	483,181	480,565	464,023	480,133	487,556

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

(1) INCLUDING THE STAFF THE BREAKDOWN OF WHICH IS NOT KNOWN

AEROSPACE MANUFACTURERS

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1. Data for the turnover and employment of the major world aerospace manufacturers are taken from information supplied by the companies themselves or published in their annual reports.
 2. Except when otherwise stated, the data relating to groups cover only their aerospace operations.
 3. The turnover/employment ratio is certainly not the best way of measuring productivity, since it overestimates the position of manufacturers which undertake little R&D activity and/or carry out more work under license or under sub-contracts.
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TURNOVER OF THE MAJOR AEROSPACE MANUFACTURERS (MIO ECU AT CURRENT VALUES)

	1980	1981	1982	1983	1984	1985	1986	1987	FORECAST 1988
(US) BOEING	6.770	8.767	9.222	12.502	13.123	17.869	16.603	13.400	14.649
(US) Mc DONNELL DOUGLAS	4.192	6.361	7.073	8.633	11.320	13.777	11.768	10.514	-
(US) LOCKHEED	3.193	4.636	5.729	7.290	10.283	12.495	10.465	9.794	9.125
(UK) BRITISH AEROSPACE	2.378	3.004	3.663	3.919	4.178	4.495	4.671	5.768	-
(US) U.T.C. - POWER SYSTEMS	4.863	5.576	5.288	5.146	5.358	5.257	5.451	5.658	-
(US) NORTHROP	1.189	1.783	2.524	3.663	4.674	6.627	5.700	5.280	-
(US) GENERAL DYNAMICS	1.732	2.441	2.955	-	-	5.862	5.080	4.952	-
(US) ROCKWELL	1.466	2.042	2.857	4.319	5.490	6.957	5.634	4.427	-
(FR) AEROSPATIALE	2.244	2.735	3.331	3.548	3.658	3.606	3.617	3.671	3.996
(US) MARTIN MARIETTA	889	1.723	2.356	2.893	4.148	4.570	3.777	3.547	-
(DE) M.B.B.	1.309	1.929	2.390	2.588	2.555	2.700	2.647	2.943	3.397
(UK) ROLLS-ROYCE	2.102	2.609	2.664	2.267	2.386	2.718	2.683	2.914	-
(US) U.T.C. - FLIGHT SYSTEMS	979	1.484	2.038	2.608	3.427	3.736	2.889	2.801	-
(FR) DASSAULT-BREGUET	1.830	2.063	1.967	2.070	2.284	2.419	2.294	2.246	2.540
(US) GRUMMAN	1.120	1.602	2.099	2.533	3.300	4.061	2.546	2.173	2.275
(FR) SNECMA	594	721	924	977	1.192	1.384	1.508	1.352	1.427
(US) LTV	611	1.642	1.658	1.217	1.563	1.877	1.636	1.205	-
(IS) I.A.I.	475	736	733	875	1.142	1.322	1.099	998	862
(FR) MATRA	440	657	780	777	802	840	830	930	-
(US) SUNDSTRAND	346	469	634	640	824	1.057	982	869	907
(JA) KAWASAKI H.I.	124	223	412	483	651	728	799	756	-
(DE) M.T.U.	270	354	414	440	497	537	530	619	713
(SW) SAAB AEROSPACE	155	196	190	213	295	499	468	612	-
(UK) WESTLAND (GROUP)	408	466	506	555	502	524	513	540	-
(FR) S.E.P.	155	175	187	206	263	333	384	494	-
(DE) DORNIER	292	368	511	378	428	607	542	474	-
(IT) FIAT AVIAZIONE	124	164	226	253	261	310	415	471	-
(NL) FOKKER B.V.	409	467	516	605	619	533	584	452	937
(IT) SELENIA	140	241	295	355	432	482	485	437	509
(CA) CANADAIR	71	215	355	353	368	420	421	411	517
(US) CESSNA	718	950	849	589	878	924	548	409	375
(FR) E.S.D.	119	179	205	229	262	277	329	387	-
(CA) DE HAVILLAND	152	268	373	111	200	288	376	362	-
(ES) CASA	166	234	308	302	323	361	337	356	519
(UK) SHORTS	152	201	-	345	276	341	298	318	-
(FR) TURBOMECA	218	264	296	292	292	300	300	312	-
(SW) VOLVO FLYGMOTOR	129	124	172	162	206	245	266	301	-
(DE) AEG	119	157	166	190	215	216	244	275	291
(JA) FUJI H.I.	63	81	105	112	194	211	233	234	-
(IT) AERMACCHI	72	97	138	160	138	163	159	189	-
(BE) F.N.	131	221	210	184	140	215	171	149	147
(BE) SABCA	98	120	100	70	56	71	70	82	92
(BE) SONACA	65	72	54	49	56	59	50	58	-
(IT) AERITALIA	233	418	613	642	843	836	960	-	-

WORKFORCE OF THE MAJOR AEROSPACE MANUFACTURERS

	1980	1981	1982	1983	1984	1985	1986	1987	FORECAST 1988
(US) BOEING	106.300	105.300	95.700	84.600	86.600	98.700	118.500	125.980	126.000
(US) MC DONNELL DOUGLAS	73.480	64.890	60.970	62.820	72.690	83.310	92.289	99.300	-
(US) LOCKHEED	74.600	71.300	70.200	71.800	81.300	87.800	96.900	97.300	86.000
(UK) BRITISH AEROSPACE	77.500	79.180	78.990	77.986	75.998	75.645	75.480	86.800	-
(US) U.T.C. - POWER SYSTEMS	52.405	46.994	43.938	40.715	42.129	43.891	46.728	46.536	46.000
(US) NORTHROP	30.200	31.400	35.500	37.200	41.500	46.900	46.000	46.000	-
(UK) ROLLS-ROYCE	58.800	56.000	48.800	42.300	40.900	41.700	41.900	42.000	-
(DE) M.B.B.	26.287	39.623	38.494	36.790	35.485	36.915	37.642	38.456	40.030
(US) ROCKWELL	29.100	29.000	29.000	42.300	43.300	45.700	41.100	34.408	-
(FR) AEROSPATIALE	34.422	35.390	36.450	35.463	35.456	34.889	34.246	33.618	32.400
(US) GRUMMAN	27.800	28.600	27.300	28.800	30.500	32.000	35.000	32.000	32.000
(IS) I.A.I.	20.188	19.711	19.630	20.670	21.650	22.070	21.674	20.756	17.000
(FR) DASSAULT-BREGUET	15.843	15.789	15.782	15.799	16.196	16.123	15.783	14.676	14.000
(FR) SNECMA	11.460	11.928	12.595	12.950	13.442	13.707	13.888	13.434	-
(NL) FOKKER B.V.	8.862	9.706	9.606	8.398	9.055	10.053	10.860	11.709	11.610
(ES) CASA	8.270	8.896	9.622	9.836	10.037	10.238	10.374	10.548	10.595
(US) SUNDSTRAND	7.811	7.470	7.526	7.527	8.549	9.919	10.118	10.052	9.796
(US) LTV	10.538	10.696	9.810	9.985	7.364	9.293	9.678	9.662	-
(UK) WESTLAND (GROUP)	12.662	12.736	12.195	12.305	11.892	11.613	10.595	9.231	-
(DE) M.T.U.	6.456	6.369	6.195	6.169	6.260	6.613	7.016	7.437	7.600
(DE) DORNIER	6.414	6.701	6.881	6.729	6.806	6.904	7.520	7.391	-
(UK) SHORTS	6.629	7.096	-	6.265	6.164	6.587	7.216	7.203	-
(IT) SELENIA	6.283	6.313	6.534	6.493	6.595	7.074	7.001	6.850	6.750
(SW) SAAB AEROSPACE	5.178	5.716	6.178	6.165	6.115	6.443	6.500	6.000	-
(CA) DE HAVILLAND	5.242	4.723	3.433	2.862	3.501	4.398	5.231	5.800	-
(US) CESSNA	18.024	15.830	11.542	8.437	9.297	8.269	5.301	5.500	5.500
(CA) CANADAIR	6.300	7.000	6.500	4.422	4.606	4.707	5.386	5.484	5.515
(FR) MATRA	3.314	3.507	3.712	4.357	4.810	4.846	4.933	5.017	-
(IT) FIAT AVIAZIONE	3.555	3.557	3.565	3.485	3.466	3.604	4.528	4.656	-
(FR) TURBOMECA	4.400	4.363	4.330	4.262	4.247	4.291	4.331	4.320	-
(JA) KAWASAKI H.I.	3.400	3.500	3.700	3.700	3.700	3.700	3.900	4.000	-
(FR) S.E.P.	2.736	2.954	3.200	3.408	3.571	3.708	3.886	3.953	-
(SW) VOLVO FLYGMOTOR	3.118	2.974	3.146	3.125	3.326	3.463	3.587	3.729	-
(US) GULFSTREAM	1.884	1.891	2.239	2.714	2.949	3.234	3.411	3.606	-
(FR) E.S.D.	1.942	2.305	2.490	2.525	2.725	2.799	2.915	3.023	-
(IT) AERMAGCHI	2.251	2.495	2.542	2.506	2.454	2.435	2.474	2.550	-
(JA) FUJI H.I.	1.926	1.958	1.974	2.131	2.178	2.130	2.179	2.344	-
(DE) AEG	1.280	1.413	1.663	1.902	2.149	2.050	2.080	2.232	2.300
(BE) F.N.	2.282	2.448	2.579	2.368	2.302	2.308	2.214	1.999	1.650
(BE) SABCA	1.870	2.147	1.968	1.752	1.669	1.458	1.598	1.621	1.614
(BE) SONACA	1.803	1.754	1.604	1.417	1.309	1.337	1.380	1.380	-
(IT) AERITALIA	11.470	12.135	12.293	12.286	12.321	12.558	12.906	-	-
(US) FAIRCHILD	-	-	13.305	11.949	12.726	12.380	11.230	-	-
(US) GATES LEARJET	2.109	2.622	1.040	2.679	2.468	1.782	1.424	-	-

ECC - DG III / SOURCE: COMPANIES

PUBLIC FINANCING OF R&D

REPORT
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1. Data relating to public financing of aerospace R&D are supplied by the SOEC (Statistical Office of the European Communities) and include funds for aerospace R&D granted to industry and to research centers, laboratories, universities, etc.
 2. The data relating to space R&D comprise since 1980 credits allocated to the European Space Agency (ESA). This must be taken into account when analyzing time series.
 3. Although a comparison of statistics from different sources can sometimes produce misleading results, it should be pointed out that the difference between the figures given in the following tables and those given in the chapter 6 on the turnover of the aerospace industry is indicative of the proportion of public funds granted to non-industrial bodies.
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PUBLIC FINANCING OF AEROSPACE R-D (MIO ECUS)

AIRCRAFT SECTOR

	BE	DK	DE	ES	FR	HE	IR	IT	NL	PO	UK	EC 12
1980	8	-	109	0	120	0	0	9	0	0	116	362
1981	4	-	168	0	112	0	0	6	0	0	219	508
1982	4	-	172	0	-	0	0	29	0	0	154	-
1983	4	-	166	0	-	0	0	15	0	0	189	-
1984	-	-	184	-	-	0	0	39	0	0	194	-
1985	-	-	343	-	-	0	0	40	0	0	203	-
1986	-	-	288	-	-	73	0	48	0	0	197	-
1987	-	-	356	-	-	8	0	41	0	0	145	-

SPACE SECTOR

	BE	DK	DE	ES	FR	HE	IR	IT	NL	PO	UK	EC 12
1980	31	8	290	0	328	0	1	81	36	0	87	862
1981	28	8	292	0	278	0	1	121	40	0	123	890
1982	28	9	340	0	318	0	1	92	42	0	131	961
1983	30	11	338	0	395	0	1	123	41	0	127	1,066
1984	37	12	341	0	509	1	1	216	39	0	134	1,288
1985	43	14	369	30	560	1	2	260	42	0	143	1,463
1986	50	14	453	17	631	0	2	288	53	0	173	1,682
1987	66	15	532	80	-	0	3	439	50	0	184	-

AEROSPACE TOTAL

	BE	DK	DE	ES	FR	HE	IR	IT	NL	PO	UK	EC 12
1980	38	-	399	0	448	0	1	90	36	0	203	1,224
1981	32	-	459	0	389	0	1	127	40	0	341	1,398
1982	32	-	511	0	-	0	1	121	42	0	284	-
1983	34	-	504	0	-	0	1	137	41	0	317	-
1984	-	-	524	-	-	1	1	255	39	0	328	-
1985	-	-	712	-	-	1	2	299	42	0	346	-
1986	-	-	741	-	-	73	2	336	53	0	371	-
1987	-	-	887	-	-	9	3	481	50	0	330	-

PUBLIC FINANCING OF AEROSPACE R-D (AS % OF TOTAL PUBLIC FINANCING OF R-D)

AIRCRAFT SECTOR

	BE	DK	DE	ES	FR	HE	IR	IT	NL	PO	UK	EC 12
1980	1.5	-	1.6	0.0	2.3	0.0	0.0	0.7	0.0	0.0	2.8	2.0
1981	0.9	-	2.4	0.0	1.7	0.0	0.0	0.3	0.0	0.0	3.6	2.3
1982	0.8	-	2.1	0.0	-	0.0	0.0	1.3	0.0	0.0	2.3	-
1983	0.7	-	2.0	0.0	-	0.0	0.0	0.5	0.0	0.0	2.8	-
1984	-	-	2.1	-	-	0.0	0.0	1.2	0.0	0.0	2.7	-
1985	-	-	3.6	-	-	0.0	0.0	1.1	0.0	0.0	2.6	-
1986	-	-	2.9	-	-	73.3	0.0	1.1	0.0	0.0	2.9	-
1987	-	-	3.3	-	-	8.1	0.0	0.8	0.0	0.0	2.1	-

SPACE SECTOR

	BE	DK	DE	ES	FR	HE	IR	IT	NL	PO	UK	EC 12
1980	6.3	3.6	4.3	0.0	6.2	0.4	0.9	6.2	2.9	0.0	2.1	4.8
1981	5.5	3.2	4.1	0.0	4.1	0.4	1.7	5.8	3.1	0.0	2.0	4.0
1982	5.4	3.4	4.2	0.0	4.3	0.3	1.5	4.1	3.0	0.0	2.0	3.9
1983	5.4	3.4	4.0	0.0	4.8	0.0	1.3	4.4	2.8	0.0	1.9	4.0
1984	6.2	3.3	3.9	0.0	5.6	0.5	1.6	6.4	2.6	0.0	1.8	4.4
1985	6.6	3.2	3.9	3.7	5.6	0.6	1.6	7.1	2.7	0.0	1.8	4.6
1986	7.7	2.7	4.5	2.1	6.1	0.3	1.9	6.5	3.1	0.0	2.6	5.2
1987	9.9	2.6	5.0	8.8	-	0.3	2.7	8.8	2.8	0.0	2.7	-

AEROSPACE TOTAL

	BE	DK	DE	ES	FR	HE	IR	IT	NL	PO	UK	EC 12
1980	7.8	-	5.9	0.0	8.5	0.4	0.9	6.9	2.9	0.0	4.9	6.8
1981	6.4	-	6.5	0.0	5.8	0.4	1.7	6.1	3.1	0.0	5.7	6.2
1982	6.2	-	6.3	0.0	-	0.3	1.5	5.3	3.0	0.0	4.3	-
1983	6.1	-	6.0	0.0	-	0.0	1.3	4.9	2.8	0.0	4.6	-
1984	-	-	6.0	-	-	0.5	1.6	7.6	2.6	0.0	4.5	-
1985	-	-	7.5	-	-	0.6	1.6	8.2	2.7	0.0	4.4	-
1986	-	-	7.4	-	-	73.6	1.9	7.6	3.1	0.0	5.5	-
1987	-	-	8.3	-	-	8.5	2.7	9.7	2.8	0.0	4.8	-

ECC - DG III / SOURCE: EUROSTAT

ANNEXES



EXCHANGE RATES

1 ECU =

	BFR	DM	PTA	FF	LIT	HFL	UKL	US \$	CA \$	YEN	SEK
1970	50.112	3.742	71.36	5.678	638.9	3.700	0.4259	1.022	1.067	366.0	5.301
1971	50.866	3.646	72.57	5.772	647.4	3.658	0.4286	1.048	1.058	364.2	5.351
1972	49.361	3.577	72.00	5.657	654.3	3.600	0.4489	1.122	1.110	340.1	5.342
1973	47.801	3.276	71.81	5.468	716.5	3.429	0.5023	1.232	1.232	334.4	5.373
1974	46.399	3.083	68.82	5.734	775.7	3.202	0.5098	1.193	1.166	348.3	5.291
1975	45.569	3.049	71.16	5.319	809.5	3.135	0.5600	1.241	1.262	368.2	5.146
1976	43.165	2.815	74.74	5.345	930.1	2.955	0.6216	1.118	1.102	331.5	4.869
1977	40.883	2.648	86.85	5.606	1,006.8	2.800	0.6537	1.141	1.213	305.9	5.107
1978	40.061	2.556	97.43	5.740	1,080.2	2.754	0.6639	1.274	1.453	266.9	5.755
1979	40.165	2.511	91.97	5.830	1,138.5	2.749	0.6464	1.371	1.605	299.7	5.875
1980	40.598	2.524	99.70	5.869	1,189.2	2.760	0.5985	1.392	1.627	314.6	5.888
1981	41.295	2.514	102.68	6.040	1,263.2	2.775	0.5531	1.116	1.338	245.7	5.635
1982	44.711	2.376	107.56	6.431	1,323.8	2.614	0.5605	0.980	1.208	243.4	6.125
1983	45.438	2.271	127.50	6.771	1,349.9	2.537	0.5870	0.890	1.097	211.3	6.823
1984	45.442	2.238	126.57	6.872	1,381.4	2.523	0.5906	0.789	1.021	187.3	6.521
1985	44.914	2.226	129.17	6.795	1,448.0	2.511	0.5890	0.763	1.042	181.3	6.550
1986	43.798	2.128	137.46	6.800	1,461.9	2.401	0.6715	0.984	1.368	165.3	7.005
1987	43.058	2.072	142.12	6.921	1,490.7	2.335	0.7065	1.146	1.519	165.4	7.261
1988	43.442	2.075	137.65	7.007	1,532.3	2.337	0.6759	1.160	1.429	165.4	7.178

ECC - DG III / SOURCE: COMMISSION SERVICES

GROSS DOMESTIC PRODUCT AT MARKET PRICES

(MIO ECU AT CURRENT PRICES)

	BE	DE	ES	FR	IT	NL	UK	EC 12	USA	CDN	JAPAN
1970	25.2	180.5	36.8	140.3	113.4	32.7	120.5	685.1	987.3	81.0	200.4
1971	27.2	205.9	40.8	153.8	122.0	37.3	134.6	761.2	1,045.4	91.3	221.6
1972	31.3	230.3	48.3	176.5	132.3	42.9	142.3	848.3	1,072.9	97.1	271.7
1973	36.7	280.0	58.3	207.4	144.4	51.3	146.7	977.5	1,092.0	102.6	336.4
1974	44.3	319.3	74.6	226.9	164.5	62.4	164.5	1,117.9	1,221.1	129.4	385.5
1975	49.8	336.8	84.6	277.8	178.5	70.2	189.2	1,254.8	1,276.5	134.8	402.9
1976	59.7	398.4	97.0	319.5	194.1	85.3	203.4	1,438.4	1,578.4	178.1	502.5
1977	68.1	452.3	105.9	342.1	217.6	98.2	222.6	1,596.1	1,724.2	178.1	606.7
1978	74.6	502.8	115.5	380.3	237.1	107.8	252.9	1,767.2	1,741.5	164.9	765.9
1979	79.3	554.5	143.1	425.6	273.5	115.0	303.7	2,000.7	1,798.3	170.7	739.2
1980	85.0	585.9	152.5	478.5	328.3	122.0	384.5	2,248.5	1,931.0	189.1	763.5
1981	86.5	613.0	165.5	524.0	370.5	127.1	458.3	2,471.4	2,695.7	264.1	1,047.6
1982	86.9	672.5	181.9	563.8	411.8	141.1	491.8	2,692.9	3,186.1	307.8	1,107.8
1983	90.6	737.6	174.4	591.7	467.9	150.2	511.2	2,873.7	3,767.1	366.7	1,326.4
1984	97.2	784.5	198.4	635.2	521.7	158.6	540.3	3,098.9	4,717.7	432.9	1,591.0
1985	105.2	822.8	216.2	690.6	556.5	165.9	595.5	3,328.9	5,188.8	456.7	1,743.8
1986	114.4	910.2	232.7	737.7	611.8	178.9	556.5	3,526.1	4,252.7	369.8	1,994.0
1987	120.4	972.4	250.4	759.9	652.0	184.7	578.8	3,709.2	3,906.0	361.7	2,079.9
1988	124.8	1,020.1	284.8	795.0	689.7	189.1	663.4	3,977.1	4,149.2	416.1	2,216.1

ECC - DG III / SOURCE: COMMISSION SERVICES

GROSS DOMESTIC PRODUCT AT MARKET PRICES

ANNEXE3

(MIO ECU AT 1980 PRICES AND EXCHANGE RATES)

	BE	DE	ES	FR	IT	NL	UK	CE 12	USA	CDN	JAPON
1970	61.8	448.9	108.8	335.1	240.9	91.7	318.8	1,683.3	1,467.3	118.3	485.7
1971	64.0	461.7	113.4	352.6	245.0	95.5	326.8	1,741.9	1,515.9	127.9	506.0
1972	67.4	481.3	122.8	373.9	252.8	98.6	334.6	1,820.4	1,595.0	135.2	548.0
1973	71.5	504.0	132.2	393.5	271.0	103.2	359.9	1,928.0	1,671.3	145.8	591.1
1974	74.3	505.3	139.1	406.7	282.4	107.4	356.5	1,964.7	1,657.7	152.1	583.8
1975	73.2	497.3	139.8	407.5	271.9	107.3	354.1	1,945.4	1,641.6	156.0	599.1
1976	77.3	524.0	141.7	428.5	288.1	112.7	367.3	2,040.3	1,722.2	165.7	629.6
1977	77.7	539.2	148.8	441.6	293.4	115.3	371.3	2,089.1	1,800.2	171.6	661.5
1978	79.9	555.3	182.0	456.3	301.3	118.1	384.8	2,152.5	1,892.7	179.3	695.0
1979	81.4	578.2	150.7	470.8	315.9	121.0	392.9	2,220.5	1,930.5	186.3	731.3
1980	85.0	585.9	152.5	478.5	328.3	122.0	384.5	2,248.5	1,931.0	189.1	763.5
1981	83.9	587.0	152.1	484.1	332.1	121.2	379.8	2,252.9	2,003.3	196.0	792.8
1982	85.1	582.9	154.0	496.6	332.9	119.4	384.1	2,268.7	1,952.9	189.8	815.5
1983	85.2	591.9	156.8	499.7	334.4	121.1	397.6	2,302.6	2,032.6	195.9	841.3
1984	87.0	608.6	159.6	507.0	346.3	124.9	405.8	2,358.4	2,173.6	208.2	883.5
1985	88.3	624.0	163.4	515.2	355.7	127.8	420.7	2,415.7	2,242.8	217.1	922.8
1986	90.3	637.4	168.6	526.3	365.4	130.9	433.0	2,477.9	2,308.9	224.2	945.5
1987	92.0	649.6	177.5	538.2	376.8	132.8	451.9	2,545.8	2,390.1	232.9	985.5
1988	94.7	670.5	185.9	554.7	391.5	135.7	469.1	2,630.4	2,489.9	242.2	1,040.6

ECC - DG III / SOURCE: COMMISSION SERVICES

GDP DEFLATOR AT MARKET PRICES (1980 = 100 - IN NATIONAL CURRENCY)

	BE	DE	DK	ES	FR	IT	NL	UK	EC 12	USA	CDN	JAPAN
1970	50.3	59.6	39.6	24.2	40.5	25.3	47.9	26.9	40.7	49.4	44.9	48.0
1971	53.2	64.4	42.6	26.2	42.9	27.1	51.8	29.5	43.7	51.9	46.4	50.7
1972	56.5	67.8	46.6	28.4	45.5	28.8	56.7	31.9	46.6	54.2	49.0	53.6
1973	60.5	72.1	51.5	31.8	49.1	32.1	61.8	34.2	50.7	57.8	53.3	60.5
1974	68.2	77.2	58.2	37.0	54.5	38.0	67.4	39.3	56.9	63.1	61.0	73.1
1975	76.4	81.8	65.5	43.2	61.8	44.7	74.3	50.0	64.5	69.3	67.0	78.7
1976	82.2	84.8	71.4	51.3	67.9	52.7	81.0	57.5	70.5	73.6	72.8	84.1
1977	88.3	88.0	78.2	62.0	74.0	62.8	86.4	65.5	76.4	78.5	77.4	89.2
1978	92.1	91.7	85.9	62.0	81.5	71.5	91.1	72.9	82.1	84.2	82.1	93.5
1979	96.4	95.4	92.4	87.6	89.8	82.9	94.6	83.5	90.1	91.7	90.4	96.3
1980	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1981	104.9	104.0	110.1	112.0	111.4	118.5	105.5	111.5	109.7	107.9	110.8	103.2
1982	112.4	108.6	121.7	127.4	124.4	137.7	111.9	119.9	118.7	114.8	120.4	105.1
1983	119.0	112.1	131.0	142.2	136.6	158.8	114.0	126.1	124.8	118.5	126.2	105.9
1984	125.0	114.3	138.5	157.8	146.7	175.0	116.1	131.4	131.4	123.0	130.5	107.2
1985	131.9	116.3	145.8	171.4	155.2	190.5	118.1	139.3	137.8	126.8	134.7	108.9
1986	136.7	120.4	153.0	190.2	162.4	205.8	118.9	144.2	142.3	130.2	138.6	110.8
1987	138.9	122.9	160.6	201.1	166.5	216.9	117.7	151.2	145.7	134.5	145.0	111.0
1988	141.1	125.1	167.6	211.5	171.1	227.0	118.0	159.7	151.2	138.9	150.8	112.0

ECC - DG III / SOURCE: COMMISSION SERVICES

EC 12: BREAKDOWN OF OVERALL TURNOVER (MIO ECUS) BY CUSTOMERS : AIRFRAME AND MISSILES SECTOR

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	2,479	3,556	3,699	3,697	3,815	4,248	4,484	5,550	5,783
- R-D CONTRACTS.....	769	1,169	1,093	1,133	1,137	1,312	1,576	1,627	1,924
- CIVIL.....	69	70	101	103	103	123	53	47	266
- MILITARY.....	701	1,099	992	1,030	1,034	1,189	1,524	1,580	1,658
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	344	487	554	600	657	626	815	833	962
- CIVIL.....	21	15	28	31	39	45	32	29	17
- MILITARY.....	322	473	526	569	618	581	783	804	945
- SALES.....	1,366	1,900	2,052	1,963	2,021	2,310	2,093	3,090	2,897
- CIVIL.....	91	440	78	64	90	240	86	58	148
- MILITARY.....	1,275	1,460	1,974	1,899	1,930	2,069	2,007	3,032	2,749
AEROSPACE MANUFACTURERS.....	1,533	2,059	3,042	4,017	4,786	5,456	5,407	5,180	5,963
- NATIONAL.....	536	737	938	1,212	1,356	1,441	1,340	1,310	1,402
- CIVIL.....	266	394	532	463	588	892	826	856	763
- MILITARY.....	270	343	405	749	768	549	514	455	639
- EC 12.....	840	1,100	1,744	2,432	2,924	3,626	3,656	3,124	3,086
- CIVIL.....	229	304	446	723	1,159	1,360	1,298	1,470	1,322
- MILITARY.....	611	796	1,298	1,708	1,765	2,266	2,358	1,654	1,764
- NON-EC COUNTRIES.....	157	221	361	374	506	389	411	746	1,475
- CIVIL.....	69	95	143	254	409	313	327	361	586
- MILITARY.....	88	127	217	120	97	76	84	385	889
FINAL USERS.....	3,035	3,038	4,302	5,875	6,785	6,590	7,327	7,447	6,967
- NATIONAL (CIVIL).....	328	245	349	410	473	335	500	569	368
- EC 12.....	163	222	592	514	714	548	496	596	275
- CIVIL.....	105	161	169	160	205	245	241	332	176
- MILITARY.....	58	61	423	354	508	303	254	264	99
- NON-EC COUNTRIES.....	2,544	2,571	3,361	4,951	5,599	5,708	6,331	6,282	6,324
- CIVIL.....	656	607	980	1,290	1,145	1,957	2,122	1,864	2,967
- MILITARY.....	1,888	1,965	2,380	3,661	4,454	3,751	4,208	4,418	3,357
TOTAL.....	7,048	8,653	11,043	13,589	15,386	16,295	17,218	18,177	18,712

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

EC 12: BREAKDOWN OF OVERALL TURNOVER (MIO ECUS) BY CUSTOMERS : SPACE SECTOR

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	110	115	229	242	351	450	471	734	475
- R-D CONTRACTS.....	90	86	210	152	214	259	281	477	232
- CIVIL.....	86	83	196	145	208	180	275	470	229
- MILITARY.....	4	3	14	7	6	79	6	7	3
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	0	3	5	1	3	5	6	19	16
- CIVIL.....	0	3	1	0	0	0	1	13	8
- MILITARY.....	0	0	4	1	2	5	5	6	8
- SALES.....	20	25	15	90	134	185	183	238	227
- CIVIL.....	18	22	5	85	108	176	182	168	147
- MILITARY.....	2	4	10	5	26	9	1	70	81
AEROSPACE MANUFACTURERS.....	135	152	196	277	534	509	508	663	835
- NATIONAL.....	32	55	56	102	147	95	106	212	253
- CIVIL.....	32	54	49	97	143	94	104	211	252
- MILITARY.....	0	1	7	5	4	0	2	1	1
- EC 12.....	94	91	120	159	362	353	343	419	523
- CIVIL.....	94	89	109	158	357	329	343	418	522
- MILITARY.....	0	2	11	1	6	24	0	1	1
- NON-EC COUNTRIES.....	9	6	20	16	24	61	59	32	58
- CIVIL.....	7	5	19	14	19	41	49	32	57
- MILITARY.....	2	1	1	1	6	20	10	1	2
FINAL USERS.....	114	165	218	256	161	174	331	525	877
- NATIONAL (CIVIL).....	9	6	10	14	13	17	95	219	342
- EC 12.....	48	115	145	180	81	91	185	221	171
- CIVIL.....	48	115	145	180	81	91	185	221	171
- MILITARY.....	0	0	0	0	0	0	0	0	0
- NON-EC COUNTRIES.....	56	44	62	62	67	66	52	85	365
- CIVIL.....	54	27	40	29	26	32	9	39	329
- MILITARY.....	2	17	22	32	41	34	42	46	36
TOTAL.....	359	432	643	775	1,046	1,132	1,310	1,922	2,186

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	917	907	1,213	1,175	1,281	1,255	1,366	1,351	1,534
- R-D CONTRACTS.....	344	358	290	324	346	375	290	322	251
- CIVIL.....	36	29	29	21	31	24	16	20	33
- MILITARY.....	308	328	261	303	315	351	273	302	218
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	157	164	286	297	325	326	383	367	350
- CIVIL.....	3	6	25	17	10	9	15	7	6
- MILITARY.....	154	158	261	281	315	317	368	361	343
- SALES.....	416	385	637	553	610	555	694	662	933
- CIVIL.....	18	22	46	40	35	19	16	17	105
- MILITARY.....	398	362	590	513	576	535	677	645	829
AEROSPACE MANUFACTURERS.....	1,065	1,354	1,722	2,704	2,966	2,828	3,250	3,477	3,786
- NATIONAL.....	339	510	627	877	975	738	775	951	884
- CIVIL.....	113	153	315	448	389	256	284	329	388
- MILITARY.....	225	358	312	429	586	482	491	622	496
- EC 12.....	511	556	573	1,041	1,156	1,205	1,398	1,263	1,365
- CIVIL.....	43	36	53	78	103	87	102	108	131
- MILITARY.....	468	520	520	963	1,052	1,118	1,296	1,155	1,234
- NON-EC COUNTRIES.....	216	288	522	786	836	886	1,078	1,263	1,537
- CIVIL.....	127	172	382	553	513	605	872	970	1,280
- MILITARY.....	89	115	141	233	323	281	206	293	257
FINAL USERS.....	699	761	1,063	1,149	1,394	1,165	1,212	1,822	1,861
- NATIONAL (CIVIL).....	203	221	286	234	214	294	237	293	440
- EC 12.....	52	71	164	146	213	143	124	108	120
- CIVIL.....	18	16	41	34	136	65	56	80	47
- MILITARY.....	35	55	123	112	76	78	68	29	73
- NON-EC COUNTRIES.....	443	469	612	769	967	728	851	1,420	1,301
- CIVIL.....	180	188	292	328	438	243	330	568	621
- MILITARY.....	263	281	320	441	529	485	521	852	681
TOTAL.....	2,682	3,022	3,998	5,028	5,642	5,249	5,829	6,649	7,181

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

EC 12: BREAKDOWN OF OVERALL TURNOVER (MIO ECUS) BY CUSTOMERS : EQUIPMENT SECTOR

	1978	1979	1980	1981	1982	1983	1984	1985	1986
STATE.....	834	866	1,434	1,663	1,837	2,234	2,955	2,947	4,120
- R-D CONTRACTS.....	236	237	444	451	456	546	714	661	1,119
- CIVIL.....	6	5	7	7	4	7	13	10	182
- MILITARY.....	230	232	437	445	451	539	701	651	936
- MODIFICATIONS, REPAIRS, MAINTENANCE.....	163	153	210	253	266	278	390	456	629
- CIVIL.....	10	18	12	20	9	10	10	26	26
- MILITARY.....	153	136	198	233	257	268	380	429	603
- SALES.....	435	476	779	958	1,115	1,410	1,851	1,831	2,372
- CIVIL.....	35	17	51	39	40	62	44	72	290
- MILITARY.....	400	459	729	919	1,076	1,348	1,807	1,758	2,083
AEROSPACE MANUFACTURERS.....	1,401	1,717	2,546	3,412	3,586	3,973	4,136	4,420	5,819
- NATIONAL.....	960	1,114	1,521	1,847	2,026	2,334	2,433	2,355	3,483
- CIVIL.....	252	301	493	487	524	646	577	654	963
- MILITARY.....	708	814	1,028	1,360	1,502	1,687	1,856	1,702	2,520
- EC 12.....	317	410	679	1,015	1,080	1,120	1,025	1,132	1,482
- CIVIL.....	51	61	126	218	253	259	228	259	370
- MILITARY.....	266	349	553	797	827	860	798	873	1,112
- NON-EC COUNTRIES.....	124	192	346	549	480	519	677	933	854
- CIVIL.....	72	103	143	174	108	111	168	307	297
- MILITARY.....	52	89	204	376	372	408	509	625	557
FINAL USERS.....	523	534	730	942	923	1,297	1,104	1,337	1,932
- NATIONAL (CIVIL).....	148	150	201	219	211	204	291	340	413
- EC 12.....	89	93	131	167	153	145	148	161	444
- CIVIL.....	25	52	57	78	39	41	84	72	153
- MILITARY.....	65	42	74	89	114	104	64	89	291
- NON-EC COUNTRIES.....	286	291	397	556	558	947	665	836	1,075
- CIVIL.....	141	125	156	360	324	394	310	382	326
- MILITARY.....	144	167	242	196	234	553	355	455	749
TOTAL.....	2,758	3,117	4,710	6,017	6,346	7,504	8,195	8,704	11,871

ECC - DG III / SOURCE: INDUSTRIAL ASSOCIATIONS

INDEX OF ABBREVIATIONS

EC 10 : EC - 10 Member States (BE, DK, DE, HE, FR, IR, IT, LU, NL, UK)
EC 12 : EC 10 + ES + PO
EUR : Western Europe

intra-EC : with EC 12 Member States only **extra-EC** : with countries not member of the EC 12

<p>EC : European Community BE : Belgium DK : Denmark DE : F.R.G. ES : Spain FR : France HE : Greece IR : Ireland IT : Italy LX : Luxembourg NL : Netherlands UK : United Kingdom AUS : Australia CDN : Canada JPN : Japan SWE : Sweden USA : USA</p>	<p>ECU : European Currency Unit BFR : Belgian Franc CDK : Danish Crown DM : German Mark PTA : Peseta FF : French Franc DRA : Drachma IR£ : Irish Punt LIT : Italian Lira --- HFL : Dutch Guilder UK£ : Pound Sterling AUS\$: Australian Dollar CA\$: Canadian Dollar YEN : Japanese Yen SEK : Swedish Crown US\$: US Dollar</p>
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GDP : Gross Domestic Product **R&D** : Research and Development

I.C.A.O. : International Organization for Civil Aviation
A.E.A. : Association of European Airlines
O.E.C.D. : Organization for Economic Cooperation and Development

INDEX OF USED SIGNS

MIO : Million **- or NA** : Data non available