

ผนวก ข

ข้อมูลเครื่องบิน

ฝูงบินของสายการบินฟินแอร์ใช้เครื่อง Boeing MD-11 ไว้สำหรับเที่ยวบินระยะไกล เครื่อง Airbus A321, A320, A319, A340 และเครื่อง Boeing MD-82/83 จะเป็นเครื่องบินที่ใช้บินในแถบยุโรปและเส้นทางหลัก ๆ ภายในประเทศ ส่วนเครื่อง ATR 72 ใช้บินภายในประเทศและเส้นทางไปทะเลบอลติก ส่วนเครื่อง Boeing 757 นั้นใช้สำหรับเที่ยวบินเพื่อการท่องเที่ยว

Finnair Group fleet 31 December 2006

	Seats	Total	Owned	Leased	Average age*
Airbus A319	123-126	11	7	4	5.2
Airbus A320	144	12	6	6	4.4
Airbus A321	181	6	4	2	5.9
Airbus A340	295	1	0	1	12.2
Boeing MD-11	282	7	2	5	12.5
Boeing B757	227	7	0	7	7.6
Embraer 170	76	10	6	4	0.7
Embraer 190	100	1	1	0	0.0
ATR 72**	68	7	7	0	15.7
Boeing MD-80***	141-157	8	6	2	-
Total		70	39	31	6.7

*31 December 2006

** The ATR 72 fleet is operated by a fully owned subsidiary Aero

*** The Boeing MD-80 fleet is operated by a fully owned subsidiary FlyNordic

The average age of the fleet in operation of the parent company's scheduled traffic on 31 December 2006 was 5.3 years. The average age of the entire Finnair Group fleet on 31 December 2006 was 8.3 years



A319



A319 SPECIFICATIONS

Number of aircraft	11
Seating capacity	126
Length (m)	33.8
Wing span (m)	34.1
Cruising speed (km/h)	840

A319 DETAILED SPECIFICATIONS

Max. Take-Off Weight (kg)	70,000
Max Zero-Fuel Weight (kg)	58,500
Max. Payload (kg)	14,597
Max. Fuel Capacity (kg)	19,088

Engines CFM56-5B3-4/2P	2x104.6
Max. Static Thrust (kN)	2,500
Fuel Consumption (kg/h)	245
Take-Off Speed (km/h)	235
Landing Speed (km/h)	235

Dimensions	33.8
Length (m)	11.8
Height (m)	34.1
Wing span (m)	

Performance	1,890
Runway Requirement: Take-Off (m)	1,430
Runway Requirement: Landing (m)	840
Max. Cruising Speed (km/h)	2,824
Range (km)	11,900
Max. Cruising Altitude (m)	



A320



A320 SPECIFICATIONS

Number of aircraft	12
Seating capacity	150
Length (m)	37.6
Wing span (m)	34.1
Cruising speed (km/h)	840

A320 DETAILED SPECIFICATIONS

Max. Take-Off Weight (kg)	75,500
Max Zero-Fuel Weight (kg)	62,500
Max. Payload (kg)	16,673
Max. Fuel Capacity (kg)	19,088

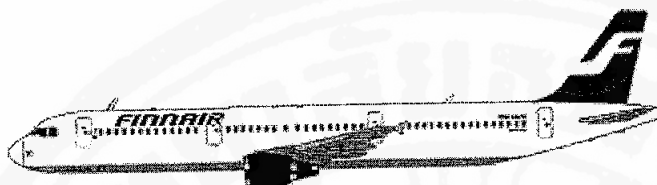
Engines CFM56-5B3-4/2P	2x120.1
Max. Static Thrust (kN)	2,500
Fuel Consumption (kg/h)	260
Take-Off Speed (km/h)	245
Landing Speed (km/h)	245

Dimensions	
Length (m)	37.6
Height (m)	11.8
Wing span (m)	34.1

Performance	
Runway Requirement: Take-Off (m)	2,170
Runway Requirement: Landing (m)	1,510
Max. Cruising Speed (km/h)	840
Range (km)	3,119
Max. Cruising Altitude (m)	11,900



A321



A321 SPECIFICATIONS

Number of aircraft	6
Seating capacity	181
Length (m)	44.51
Wing span (m)	34.1
Cruising speed (km/h)	840

A321 DETAILED SPECIFICATIONS

Max. Take-Off Weight (kg)	89,000
Max Zero-Fuel Weight (kg)	73,800
Max. Payload (kg)	21,500
Max. Fuel Capacity (kg)	18,960

Engines CFM56-5B3/2P	2x142.4
Max. Static Thrust (kN)	3,100
Fuel Consumption (kg/h)	285
Take-Off Speed (km/h)	265
Landing Speed (km/h)	265

Dimensions	44.5
Length (m)	11.8
Height (m)	34.1
Wing span (m)	34.1

Performance	2,450
Runway Requirement: Take-Off (m)	1,750
Runway Requirement: Landing (m)	840
Max. Cruising Speed (km/h)	3,120
Range (km)	11,900
Max. Cruising Altitude (m)	11,900



Airbus A340



Airbus A340 SPECIFICATIONS

Number of aircraft	1
Seating capacity	295
Length (m)	63.90
Wing span (m)	60.30
Cruising speed (km/h)	835
Max. cruising altitude (m)	12,500

Airbus A340 DETAILED SPECIFICATIONS

Max. Take-Off Weight (kg)	257,000
Max Zero-Fuel Weight (kg)	178,000
Max. Payload (kg)	44,000
Max. Fuel Capacity (kg)	110,000

ENGINES CFM56-5C2

Max. Static Thrust (kN)	4 x 138.8
Fuel Consumption (kg/h)	6,400
Take-Off Speed (km/h)	310
Landing Speed (km/h)	275

DIMENSIONS

Length (m)	63.70
Height (m)	16.80
Wing span (m)	60.30

PERFORMANCE

Runway Requirement: Take-Off (m)	3,000
Runway Requirement: Landing (m)	2,200
Max. Cruising Speed (km/h)	880
Range (km)	11,700
Max. Cruising Altitude (m)	12,500



MD-11



MD-11 SPECIFICATIONS

Number of aircraft	7
Seating capacity	282
Length (m)	61.2
Wing span (m)	51.7
Cruising speed (km/h)	905
Max. cruising altitude (m)	13,100

MD-11 DETAILED SPECIFICATIONS

Max. Take-Off Weight (kg)	285,990
Max Zero-Fuel Weight (kg)	195,045
Max. Payload (kg)	58,500
Max. Fuel Capacity (kg)	116,505

Engines CF6-80C2	3x273.6
Max. Static Thrust (kN)	7,500
Fuel Consumption (kg/h)	325
Take-Off Speed (km/h)	285
Landing Speed (km/h)	

Dimensions	61.2
Length (m)	17.6
Height (m)	51.7
Wing span (m)	

Performance	3,140
Runway Requirement: Take-Off (m)	2,210
Runway Requirement: Landing (m)	905
Max. Cruising Speed (km/h)	11,700
Range (km)	13,100
Max. Cruising Altitude (m)	

Close

**B757****B757 SPECIFICATIONS**

Number of aircraft	7
Seating capacity	227
Length (m)	47.3
Wing span (m)	38
Cruising speed (km/h)	950
Max.cruising altitude (m)	12,800

B757 DETAILED SPECIFICATIONS

Max. Take-Off Weight (kg)	115,666
Max Zero-Fuel Weight (kg)	84,368
Max. Payload (kg)	24,350
Max. Fuel Capacity (kg)	34,150

Engines P&W PW2040	
Max. Static Thrust (kN)	2x185.5
Fuel Consumption (kg/h)	3,400
Take-Off Speed (km/h)	285
Landing Speed (km/h)	255

Dimensions	
Length (m)	47.3
Height (m)	13.6
Wing span (m)	38

Performance	
Runway Requirement: Take-Off (m)	2,300
Runway Requirement: Landing (m)	1,540
Max. Cruising Speed (km/h)	950
Range (km)	7,315
Max. Cruising Altitude (m)	12,800



Embraer



Embraer 170 SPECIFICATIONS

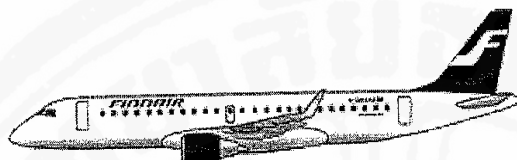
Number of aircraft:	6
Seating capacity:	76
Length (m):	29.9
Wing span (m):	26
Cruising speed (km/h):	854
Max.cruising altitude (m):	12,300
Range (km)	2,900

Embraer 170 DETAILED SPECIFICATIONS

Seating Capacity	76
Max. Take-Off Weight (kg)	34,450
Max Zero-Fuel Weight (kg)	22,100
Max. Payload (kg)	9,100
Max. Fuel Capacity (kg)	9,470
Engines GE CF34 CF-8E5	2 x 62.8
Max. Static Thrust (kN)	ca 1,500
Fuel Consumption (kg/h)	285
Take-Off Speed (km/h)	260
Landing Speed (km/h)	260
Dimensions	29.9
Length (m)	9.67
Height (m)	26.0
Wing span (m)	
Performance	ca 1,500
Runway Requirement: Take-Off (m)	ca 1,200
Runway Requirement: Landing (m)	285
Take-Off Speed (km/h)	260
Landing Speed (km/h)	854
Max. Cruising Speed (km/h)	2,900
Range (km)	12,300
Max. Cruising Altitude (m)	



Embraer



Embraer 190 SPECIFICATIONS

Number of aircraft:	1
Seating capacity:	100
Length (m):	36.2
Wing span (m):	28.7
Cruising speed (km/h):	850
Max. cruising altitude (m):	12,300
Range (km)	3,200

Embraer 190 DETAILED SPECIFICATIONS

Seating Capacity	100
Max. Take-Off Weight (kg)	50,300
Max Zero-Fuel Weight (kg)	40,800
Max. Payload (kg)	12 000
Max. Fuel Capacity (kg)	13,000

Engines GE CF34 CF-10E5	2 x 82,3
Max. Static Thrust (kN)	1 850
Fuel Consumption (kg/h)	250
Take-Off Speed (km/h)	235
Landing Speed (km/h)	235

Dimensions	36.2
Length (m)	10.57
Height (m)	28.71
Wing span (m)	

Performance	
Runway Requirement: Take-Off (m) 1 500	
Runway Requirement: Landing (m) 1 200	250
Take-Off Speed (km/h)	235
Landing Speed (km/h)	854
Max. Cruising Speed (km/h)	3,200
Range (km)	12,300
Max. Cruising Altitude (m)	



ATR72



ATR72 SPECIFICATIONS

Number of aircraft	8
All ATR 72 aircraft are operated by Aero Airlines	
Seating capacity	66-72
Length (m)	27.2
Wing span (m)	27
Cruising speed (m)	520
Max.cruising altitude (m)	7,600

ATR72 DETAILED SPECIFICATIONS

Max. Take-Off Weight (kg)	21,500
Max Zero-Fuel Weight (kg)	19,700
Max. Payload (kg)	6,500
Max. Fuel Capacity (kg)	5,000
Engines P&W PW 124B	2x1764 skW
Max. Static Thrust (kN)	1200
Fuel Consumption (kg/h)	925
Rotor speed (in cruising speed) (rpm)	600
Fuel Consumption (kg/h)	205
Take-Off Speed (km/h)	210
Landing Speed (km/h)	
Dimensions	27.2
Length (m)	7.7
Height (m)	27.0
Wing span (m)	
Performance	1,430
Runway Requirement: Take-Off (m)	1,200
Runway Requirement: Landing (m)	530
Max. Cruising Speed (km/h)	760
Range (km)	7,620
Max. Cruising Altitude (m)	



MD-80 series (flynordic)



MD-82, MD-83 SPECIFICATIONS

Number of aircraft:	8
Seating capacity:	157
Length:	45.1 m
Wing span:	32.9 m
Cruising speed:	825 km/h
Max. cruising altitude:	11,280 m

MD-82 DETAILED SPECIFICATIONS

Seating Capacity	157
Max. Take-Off Weight (kg)	67,800
Max Zero-Fuel Weight (kg)	55,350
Max. Payload (kg)	16,550
Max. Fuel Capacity (kg)	17,750

Engines P&W JT8D-219

Max. Static Thrust (kN)	2x93.4
Fuel Consumption (kg/h)	2,900
Take-Off Speed (km/h)	285
Landing Speed (km/h)	260

Dimensions

Length (m)	45.1
Height (m)	9.0
Wing span (m)	32.9

Performance

Runway Requirement: Take-Off (m)	2,460
Runway Requirement: Landing (m)	1,620
Max. Cruising Speed (km/h)	920
Range (km)	3530
Max. Cruising Altitude (m)	11,280