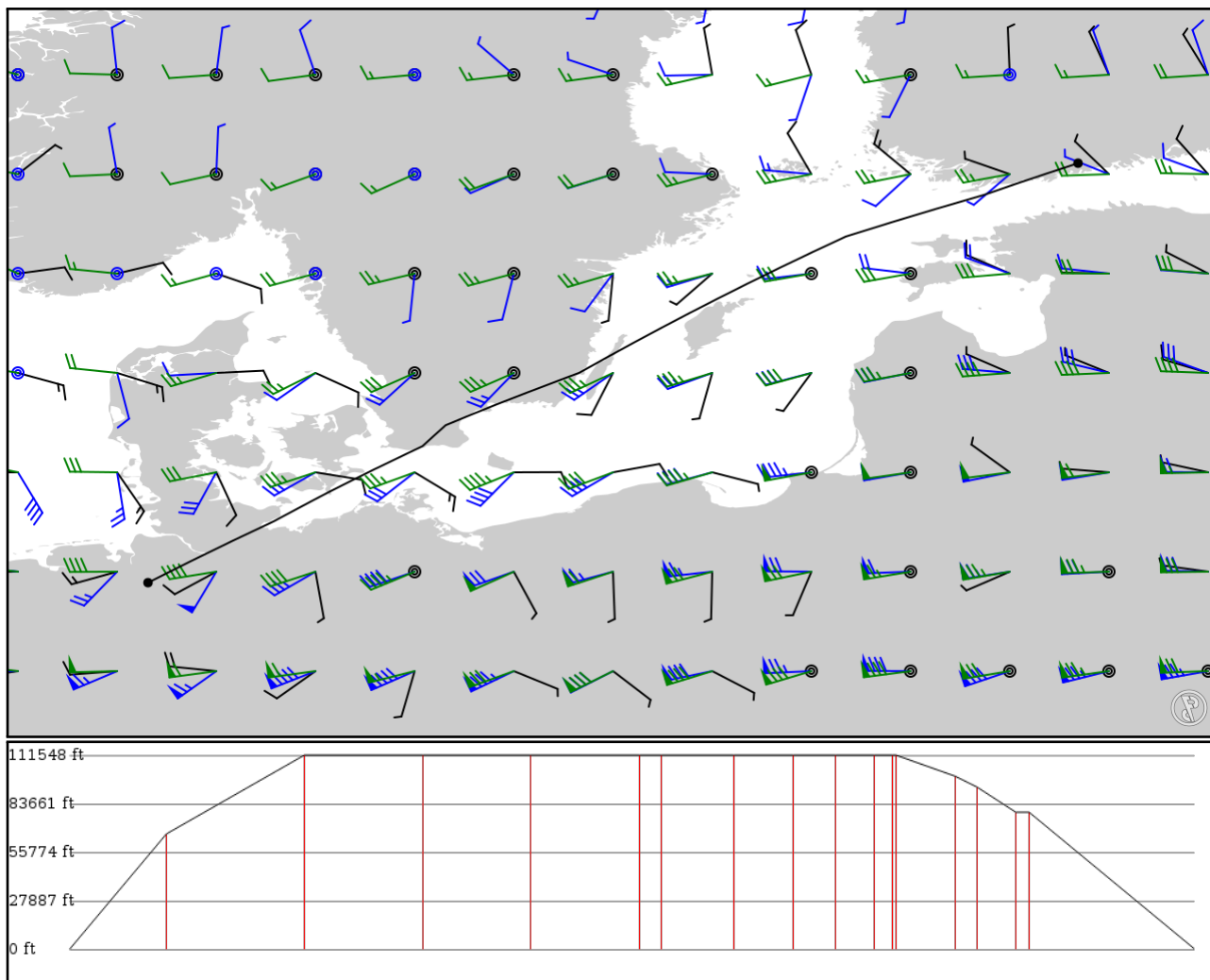


2024/05/11 0816Z

EFHK RAMIM **UP606** KAL **UL990** PERRY **UP605** TOSPA EDDW

689.57 nm / 1277.08 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
EFHK	-	60.32057	0 ft	-	Helsinki Vantaa
APT	-	24.95267	0 m		
RAMIM	-	59.76833	20,200 ft	59	-
FIX	-	23.31083	6,157 m		
ALAMI	UP606	59.04778	34,000 ft	85	-
FIX	AWY-HI	20.91583	10,363 m		
GOSAN	UP606	58.23064	34,000 ft	72	-
FIX	AWY-HI	19.20533	10,363 m		
OLANU	UP606	57.46897	34,000 ft	65	-
FIX	AWY-HI	17.71858	10,363 m		
KAL	UP606	56.68539	34,000 ft	66	KALMAR VOR-DME
VOR	AWY-HI	16.28419	10,363 m		
LAGIS	UL990	56.55494	34,000 ft	13	-
FIX	AWY-HI	15.93700	10,363 m		
KOTAM	UL990	56.13275	34,000 ft	44	-
FIX	AWY-HI	14.83667	10,363 m		
PERRY	UL990	55.77678	34,000 ft	36	-
FIX	AWY-HI	13.96283	10,363 m		
ALM	UP605	55.41131	34,000 ft	25	ALMA VOR
VOR	AWY-HI	13.55753	10,363 m		
MALIV	UP605	55.16272	34,000 ft	23	-
FIX	AWY-HI	13.03686	10,363 m		
MOSAT	UP605	55.04194	34,000 ft	11	-
FIX	AWY-HI	12.78806	10,363 m		
KOSMO	UP605	55.01528	34,000 ft	2	-
FIX	AWY-HI	12.73028	10,363 m		
GESKA	UP605	54.61750	30,300 ft	36	-
FIX	AWY-HI	11.93250	9,235 m		
MEGAR	UP605	54.46833	28,400 ft	13	-
FIX	AWY-HI	11.64833	8,656 m		
AMICH	UP605	54.20556	24,000 ft	23	-
FIX	AWY-HI	11.15361	7,315 m		
TOSPA	UP605	54.11389	24,000 ft	8	-
FIX	AWY-HI	10.98361	7,315 m		
EDDW	-	53.04571	0 ft	101	Bremen
APT	-	8.78900	0 m		

EFHK

Region: FINLAND
Timezone: EUROPE/HELSINKI
Runways: 3

Elevation: 180 ft / 55 m
Location: 60.320400 24.952200
Magnetic Var: 9.962 E

METAR

EFHK 110750Z 33019KT CAVOK 10/M05 Q1019 NOSIG

TAF

TAF TAF EFHK 110527Z 1106/1206 33013KT CAVOK TEMPO 1108/1114 34016G26KT BECMG 1203/1205 34003KT

Frequencies

REC - 135.07 MHz - ATIS ARRIVAL	REC - 114.20 MHz - ATIS DEPARTURE
TWR - 119.70 MHz - HELSINKI TOWER	TWR - 118.85 MHz - HELSINKI TOWER
TWR - 118.60 MHz - HELSINKI TOWER	GND - 121.80 MHz - HELSINKI GROUND
GND - 118.12 MHz - HELSINKI GROUND	GND - 121.65 MHz - HELSINKI RAMP/TAXI
APP - 119.10 MHz - HELSINKI RADAR APPROACH	APP - 129.85 MHz - HELSINKI RADAR APPROACH
APP - 119.70 MHz - HELSINKI RADAR APPROACH	APP - 124.32 MHz - HELSINKI ARRIVAL
APP - 119.90 MHz - HELSINKI ARRIVAL	GND - 127.02 MHz - HELSINKI DE-ICING

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04R	197 ft	11,459 ft	47.48	ASPHALT	978 ft	210 ft
	60 m	3,493 m	37.52		298 m	64 m
22L	197 ft	11,459 ft	227.52	ASPHALT	0 ft	207 ft
	60 m	3,493 m	217.56		0 m	63 m
04L	197 ft	10,047 ft	47.42	ASPHALT	0 ft	236 ft
	60 m	3,062 m	37.46		0 m	72 m
22R	197 ft	10,047 ft	227.46	ASPHALT	253 ft	177 ft
	60 m	3,062 m	217.50		77 m	54 m
15	197 ft	9,497 ft	153.07	ASPHALT	0 ft	194 ft
	60 m	2,895 m	143.10		0 m	59 m
33	197 ft	9,497 ft	333.09	ASPHALT	0 ft	197 ft
	60 m	2,895 m	323.13		0 m	60 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04L	DME	HTV	111.90 MHz	18 nm	-	-	165 ft
				33 km	-		165 m
04R	DME	HG	111.50 MHz	18 nm	-	-	206 ft
				33 km	-		206 m
15	DME	HL	109.10 MHz	18 nm	-	-	220 ft
				33 km	-		220 m
22L	DME	HK	110.30 MHz	18 nm	-	-	205 ft
				33 km	-		205 m
22R	DME	HUO	110.70 MHz	18 nm	-	-	207 ft
				33 km	-		207 m
04L	LOC-ILS	HTV	111.90 MHz	18 nm	47.45	-	180 ft
				33 km	37.49		180 m
04R	LOC-ILS	HG	111.50 MHz	18 nm	47.51	-	180 ft
				33 km	37.55		180 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15	LOC-ILS	HL	109.10 MHz	18 nm	153.08	-	180 ft
				33 km	143.12		180 m
22L	LOC-ILS	HK	110.30 MHz	18 nm	227.51	-	180 ft
				33 km	217.55		180 m
22R	LOC-ILS	HUO	110.70 MHz	18 nm	227.45	-	180 ft
				33 km	217.49		180 m
04L	GS	HTV	111.90 MHz	10 nm	47.45	3.00	180 ft
				19 km	37.49		180 m
04R	GS	HG	111.50 MHz	10 nm	47.51	3.00	180 ft
				19 km	37.55		180 m
15	GS	HL	109.10 MHz	10 nm	153.08	3.00	180 ft
				19 km	143.12		180 m
22L	GS	HK	110.30 MHz	10 nm	227.51	3.00	180 ft
				19 km	217.55		180 m
22R	GS	HUO	110.70 MHz	10 nm	227.45	3.00	180 ft
				19 km	217.49		180 m

EDDW

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 2

Elevation: 14 ft / 4 m
Location: 53.045700 8.789000
Magnetic Var: 3.302 E

METAR

EDDW 110750Z AUTO 05004KT 030V110 CAVOK 14/08 Q1024 NOSIG

TAF

TAF AMD EDDW 110711Z 1107/1206 33004KT CAVOK BECMG 1109/1111 03006KT BECMG 1203/1205 09007KT

Frequencies

GND - 121.75 MHz -
TWR - 118.50 MHz -
APP - 124.80 MHz - RADAR

TWR - 125.10 MHz - INFO
TWR - 134.82 MHz -
APP - 136.27 MHz - RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05	75 ft	2,299 ft	51.50	ASPHALT	0 ft	0 ft
	23 m	701 m	48.20		0 m	0 m
23	75 ft	2,299 ft	231.51	ASPHALT	0 ft	0 ft
	23 m	701 m	228.20		0 m	0 m
09	148 ft	8,616 ft	87.78	ASPHALT	945 ft	0 ft
	45 m	2,626 m	84.48		288 m	0 m
27	148 ft	8,616 ft	267.82	ASPHALT	984 ft	0 ft
	45 m	2,626 m	264.51		300 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	LOC-ILS	IBRE	110.30 MHz	18 nm	87.80	-	14 ft
				33 km	84.50		14 m
27	LOC-ILS	IBRW	110.90 MHz	18 nm	267.80	-	14 ft
				33 km	264.50		14 m
09	GS	IBRE	110.30 MHz	10 nm	87.80	3.00	14 ft
				19 km	84.50		14 m
27	GS	IBRW	110.90 MHz	10 nm	267.80	3.00	14 ft
				19 km	264.50		14 m