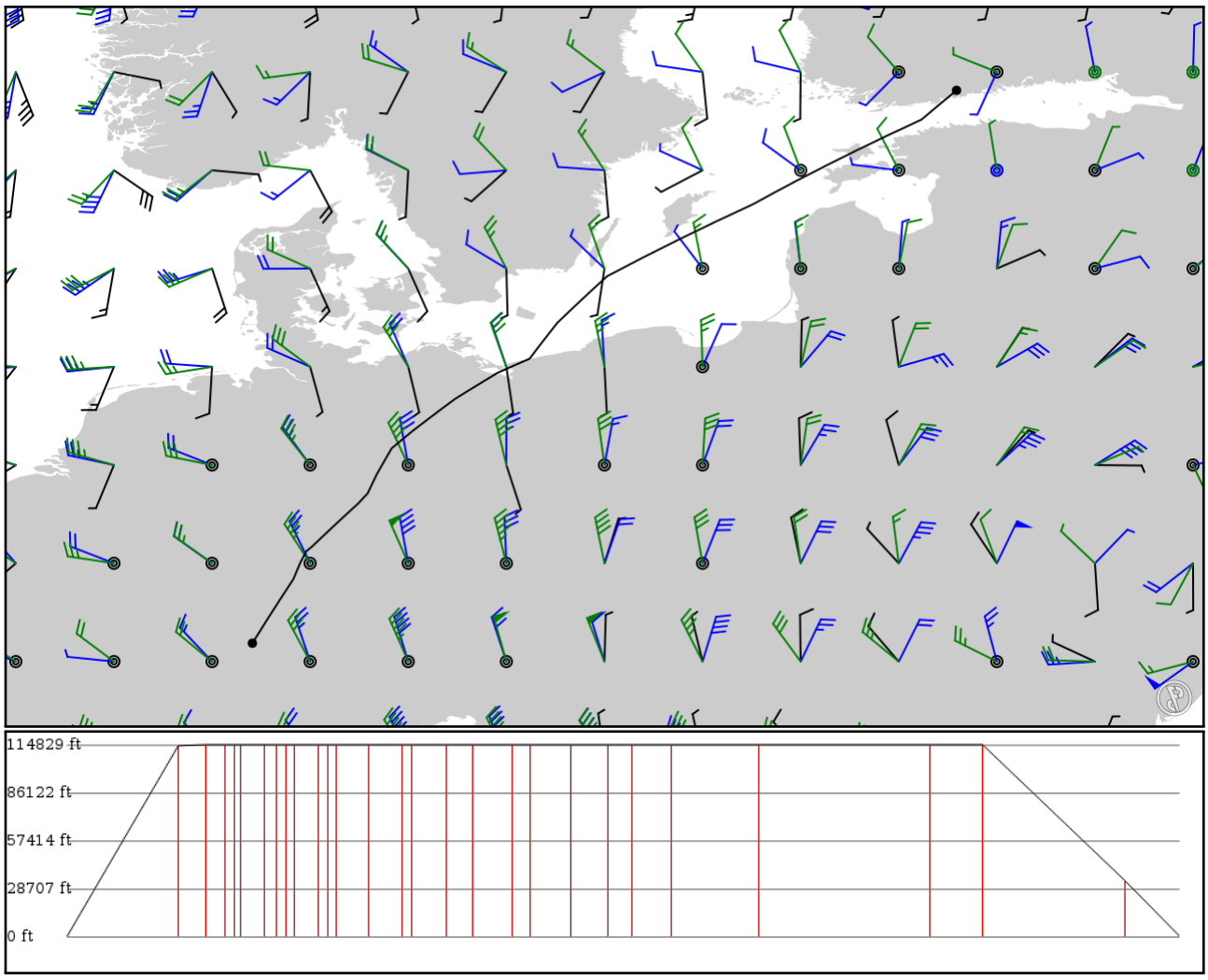
# LSZH – EFHK

Zurich — Helsinki Vantaa

2024/03/19 1247Z

LSZH NOTGA **N624** NIKUT **Z94** WUR **Z12** OLIXA **Z94** GALMA **M736** MAG **UN746** BINKA **N746** KOLJA **P739** RENSI EFHK

972.63 nm / 1801.31 km




## Notes

Basic altitude profile:
- Ascent Rate: 1800ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 30000ft
- Cruise Speed: 300kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

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

## Route

| Ident | Via | Lat | Alt | Dist | Name |
|---|---|---|---|---|---|
| Type | | Lon | | (nm) | |
| LSZH | – | 47.46349 | 0 ft | – | Zurich |
| APT | – | 8.54996 | 0 m | | |
| NOTGA | – | 48.95611 | 34,800 ft | 97 | – |
| FIX | – | 9.50639 | 10,607 m | | |
| LAMPU | N624 | 49.34000 | 35,000 ft | 23 | – |
| FIX | AWY-LO | 9.66806 | 10,668 m | | |
| NIKUT | N624 | 49.60778 | 35,000 ft | 17 | – |
| FIX | AWY-LO | 9.81083 | 10,668 m | | |
| WUR | Z94 | 49.71753 | 35,000 ft | 8 | WURZBURG VOR |
| VOR | AWY-LO | 9.94700 | 10,668 m | | |
| OLIXA | Z12 | 49.78972 | 35,000 ft | 5 | – |
| FIX | AWY-LO | 10.02250 | 10,668 m | | |
| PIGMI | Z94 | 50.07389 | 35,000 ft | 20 | – |
| FIX | AWY-LO | 10.32306 | 10,668 m | | |
| GORKO | Z94 | 50.22444 | 35,000 ft | 10 | – |
| FIX | AWY-LO | 10.48389 | 10,668 m | | |
| BOKNI | Z94 | 50.34083 | 35,000 ft | 8 | – |
| FIX | AWY-LO | 10.60889 | 10,668 m | | |
| PILAM | Z94 | 50.43500 | 35,000 ft | 6 | – |
| FIX | AWY-LO | 10.71111 | 10,668 m | | |
| BAMKI | Z94 | 50.71806 | 35,000 ft | 20 | – |
| FIX | AWY-LO | 11.02028 | 10,668 m | | |
| GERDO | Z94 | 50.84417 | 35,000 ft | 8 | – |
| FIX | AWY-LO | 11.13722 | 10,668 m | | |
| ERF | Z94 | 50.95087 | 35,000 ft | 7 | ERFURT VOR-DME |
| VOR | AWY-LO | 11.23669 | 10,668 m | | |
| GALMA | Z94 | 51.39806 | 35,000 ft | 28 | – |
| FIX | AWY-LO | 11.45111 | 10,668 m | | |
| BARAP | M736 | 51.86167 | 35,000 ft | 29 | – |
| FIX | AWY-LO | 11.71683 | 10,668 m | | |
| MAG | M736 | 51.99499 | 35,000 ft | 8 | MAGDEBURG VOR-DME |
| VOR | AWY-LO | 11.79431 | 10,668 m | | |
| SOBLU | UN746 | 52.39222 | 35,000 ft | 29 | – |
| FIX | AWY-HI | 12.27278 | 10,668 m | | |
| RIMKO | UN746 | 52.69194 | 35,000 ft | 22 | – |
| FIX | AWY-HI | 12.66472 | 10,668 m | | |
| BATUX | UN746 | 53.14417 | 35,000 ft | 34 | – |
| FIX | AWY-HI | 13.26944 | 10,668 m | | |
| TELDO | UN746 | 53.33194 | 35,000 ft | 15 | – |
| FIX | AWY-HI | 13.57194 | 10,668 m | | |
| BINKA | UN746 | 53.75880 | 35,000 ft | 35 | – |
| FIX | AWY-HI | 14.27444 | 10,668 m | | |
| DEMUR | N746 | 54.08000 | 35,000 ft | 32 | – |
| FIX | AWY-LO | 15.00778 | 10,668 m | | |
| BABEN | N746 | 54.38806 | 35,000 ft | 20 | – |
| FIX | AWY-LO | 15.24194 | 10,668 m | | |
| GORPI | N746 | 54.91667 | 35,000 ft | 34 | – |
| FIX | AWY-LO | 15.65500 | 10,668 m | | |
| KOLJA | N746 | 56.00000 | 35,000 ft | 76 | – |
| FIX | AWY-LO | 16.81467 | 10,668 m | | |
| DEREX | P739 | 57.67278 | 35,000 ft | 150 | – |
| FIX | AWY-LO | 20.21083 | 10,668 m | | |
| PIMEX | P739 | 58.21278 | 35,000 ft | 45 | – |

| Ident<br>Type | Via | Lat<br>Lon | Alt | Dist<br>(nm) | Name |
|---|---|---|---|---|---|
| FIX | AWY-LO | 21.21444 | 10,668 m | | |
| RENSI | P739 | 59.64083 | 10,200 ft | 124 | - |
| FIX | AWY-LO | 24.13583 | 3,109 m | | |
| EFHK | - | 60.32057 | 0 ft | 47 | Helsinki Vantaa |
| APT | - | 24.95267 | 0 m | | |

# LSZH

Region: SWITZERLAND
Timezone: EUROPE/ZURICH
Runways: 3

Elevation: 1,416 ft / 432 m
Location: 47.463500 8.549950
Magnetic Var: 3.108 E

## METAR

LSZH 191220Z 35005KT 310V040 9999 FEW014 12/08 Q1019 NOSIG

## TAF

TAF LSZH 191125Z 1912/2018 04005KT 9999 SCT015 TX15/1915Z TN02/2006Z TX19/2015Z BECMG 1914/1917 CAVOK BECMG 1917/

## Frequencies

REC - 125.72 MHz - ATIS
GND - 118.15 MHz - ZURICH GROUND
GND - 121.75 MHz - ZURICH APRON
GND - 121.85 MHz - ZURICH APRON
TWR - 118.10 MHz - ZURICH TOWER
TWR - 119.70 MHz - ZURICH TOWER
APP - 135.22 MHz - ZURICH APPROACH
APP - 120.75 MHz - ZURICH FINAL
GND - 121.90 MHz - ZURICH GROUND
GND - 119.75 MHz - ZURICH GROUND
GND - 121.70 MHz - ZURICH APRON
GND - 121.97 MHz - ZURICH APRON
TWR - 120.22 MHz - ZURICH TOWER
APP - 118.00 MHz - ZURICH ARRIVAL
APP - 125.32 MHz - ZURICH FINAL
DEP - 125.95 MHz - ZURICH DEPARTURE

## Runways

| Ident | Width | Length | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|---|---|---|---|---|---|---|
| 16 | 197 ft<br>60 m | 12,181 ft<br>3,713 m | 155.03<br>151.93 | CONCRETE | 0 ft<br>0 m | 62 ft<br>19 m |
| 34 | 197 ft<br>60 m | 12,181 ft<br>3,713 m | 335.05<br>331.94 | CONCRETE | 1,542 ft<br>470 m | 49 ft<br>15 m |
| 14 | 197 ft<br>60 m | 10,816 ft<br>3,297 m | 137.29<br>134.19 | CONCRETE | 492 ft<br>150 m | 75 ft<br>23 m |
| 32 | 197 ft<br>60 m | 10,816 ft<br>3,297 m | 317.31<br>314.21 | CONCRETE | 0 ft<br>0 m | 82 ft<br>25 m |
| 10 | 197 ft<br>60 m | 8,196 ft<br>2,498 m | 95.99<br>92.89 | CONCRETE | 0 ft<br>0 m | 62 ft<br>19 m |
| 28 | 197 ft<br>60 m | 8,196 ft<br>2,498 m | 276.02<br>272.91 | CONCRETE | 0 ft<br>0 m | 276 ft<br>84 m |

## Approach Navaids

| Runway | Type | Ident | Frequency | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|---|---|---|---|---|---|---|---|
| 14 | DME | IKL | 108.30 MHz | 18 nm<br>33 km | -<br>- | - | 1,460 ft<br>1,460 m |
| 16 | DME | IZH | 110.50 MHz | 18 nm<br>33 km | -<br>- | - | 1,400 ft<br>1,400 m |
| 28 | DME | IZW | 109.75 MHz | 18 nm<br>33 km | -<br>- | - | 1,416 ft<br>1,416 m |
| 34 | DME | IZS | 110.75 MHz | 18 nm<br>33 km | -<br>- | - | 1,410 ft<br>1,410 m |
| 14 | LOC-ILS | IKL | 111.75 MHz | 18 nm<br>33 km | 137.31<br>134.20 | - | 1,417 ft<br>1,417 m |
| 16 | LOC-ILS | IZH | 110.50 MHz | 18 nm<br>33 km | 155.05<br>151.94 | - | 1,417 ft<br>1,417 m |
| 28 | LOC-ILS | IZW | 109.75 MHz | 18 nm<br>33 km | 276.01<br>272.90 | - | 1,417 ft<br>1,417 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|---|---|---|---|---|---|---|---|
| 34 | LOC-ILS | IZS | 110.75 MHz | 18 nm | 335.06 | - | 1,417 ft |
| | | | | 33 km | 331.95 | | 1,417 m |
| 14 | GS | IKL | 111.75 MHz | 10 nm | 137.31 | 3.00 | 1,417 ft |
| | | | | 19 km | 134.20 | | 1,417 m |
| 16 | GS | IZH | 110.50 MHz | 10 nm | 155.05 | 3.00 | 1,417 ft |
| | | | | 19 km | 151.94 | | 1,417 m |
| 28 | GS | IZW | 109.75 MHz | 10 nm | 276.01 | 3.30 | 1,417 ft |
| | | | | 19 km | 272.90 | | 1,417 m |
| 34 | GS | IZS | 110.75 MHz | 10 nm | 335.06 | 3.30 | 1,417 ft |
| | | | | 19 km | 331.95 | | 1,417 m |

# EFHK

Region: FINLAND
Timezone: EUROPE/HELSINKI
Runways: 3

Elevation: 180 ft / 55 m
Location: 60.320400 24.952200
Magnetic Var: 9.939 E

## METAR

EFHK 191220Z 17003KT 130V190 9999 OVC012 01/M02 Q1024 NOSIG

## TAF

TAF TAF EFHK 191138Z 1912/2012 14004KT 9999 BKN012 BECMG 1912/1914 BKN015 TEMPO 1914/1916 BKN012 TEMPO 2002/2006 E

## Frequencies

REC - 135.07 MHz - ATIS ARRIVAL
TWR - 119.70 MHz - HELSINKI TOWER
TWR - 118.60 MHz - HELSINKI TOWER
GND - 118.12 MHz - HELSINKI GROUND
APP - 119.10 MHz - HELSINKI RADAR APPROACH
APP - 119.70 MHz - HELSINKI RADAR APPROACH
APP - 119.90 MHz - HELSINKI ARRIVAL

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

## Runways

| Ident | Width | Length | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|---|---|---|---|---|---|---|
| 04R | 197 ft<br>60 m | 11,459 ft<br>3,493 m | 47.48<br>37.54 | ASPHALT | 978 ft<br>298 m | 210 ft<br>64 m |
| 22L | 197 ft<br>60 m | 11,459 ft<br>3,493 m | 227.52<br>217.58 | ASPHALT | 0 ft<br>0 m | 207 ft<br>63 m |
| 04L | 197 ft<br>60 m | 10,047 ft<br>3,062 m | 47.42<br>37.48 | ASPHALT | 0 ft<br>0 m | 236 ft<br>72 m |
| 22R | 197 ft<br>60 m | 10,047 ft<br>3,062 m | 227.46<br>217.52 | ASPHALT | 253 ft<br>77 m | 177 ft<br>54 m |
| 15 | 197 ft<br>60 m | 9,497 ft<br>2,895 m | 153.07<br>143.13 | ASPHALT | 0 ft<br>0 m | 194 ft<br>59 m |
| 33 | 197 ft<br>60 m | 9,497 ft<br>2,895 m | 333.09<br>323.15 | ASPHALT | 0 ft<br>0 m | 197 ft<br>60 m |

## Approach Navaids

| Runway | Type | Ident | Frequency | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|---|---|---|---|---|---|---|---|
| 04L | DME | HTV | 111.90 MHz | 18 nm<br>33 km | -<br>- | - | 165 ft<br>165 m |
| 04R | DME | HG | 111.50 MHz | 18 nm<br>33 km | -<br>- | - | 206 ft<br>206 m |
| 15 | DME | HL | 109.10 MHz | 18 nm<br>33 km | -<br>- | - | 220 ft<br>220 m |
| 22L | DME | HK | 110.30 MHz | 18 nm<br>33 km | -<br>- | - | 205 ft<br>205 m |
| 22R | DME | HUO | 110.70 MHz | 18 nm<br>33 km | -<br>- | - | 207 ft<br>207 m |
| 04L | LOC-ILS | HTV | 111.90 MHz | 18 nm<br>33 km | 47.45<br>37.51 | - | 180 ft<br>180 m |
| 04R | LOC-ILS | HG | 111.50 MHz | 18 nm<br>33 km | 47.51<br>37.57 | - | 180 ft<br>180 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|---|---|---|---|---|---|---|---|
| 15 | LOC-ILS | HL | 109.10 MHz | 18 nm<br>33 km | 153.08<br>143.14 | - | 180 ft<br>180 m |
| 22L | LOC-ILS | HK | 110.30 MHz | 18 nm<br>33 km | 227.51<br>217.57 | - | 180 ft<br>180 m |
| 22R | LOC-ILS | HUO | 110.70 MHz | 18 nm<br>33 km | 227.45<br>217.51 | - | 180 ft<br>180 m |
| 04L | GS | HTV | 111.90 MHz | 10 nm<br>19 km | 47.45<br>37.51 | 3.00 | 180 ft<br>180 m |
| 04R | GS | HG | 111.50 MHz | 10 nm<br>19 km | 47.51<br>37.57 | 3.00 | 180 ft<br>180 m |
| 15 | GS | HL | 109.10 MHz | 10 nm<br>19 km | 153.08<br>143.14 | 3.00 | 180 ft<br>180 m |
| 22L | GS | HK | 110.30 MHz | 10 nm<br>19 km | 227.51<br>217.57 | 3.00 | 180 ft<br>180 m |
| 22R | GS | HUO | 110.70 MHz | 10 nm<br>19 km | 227.45<br>217.51 | 3.00 | 180 ft<br>180 m |