

# NEEDLE ONE DEPARTURE

AL-384 (FAA)

BOEING FLD/KING COUNTY INTL (BFI)  
SEATTLE, WASHINGTON

SEATTLE DEP CON  
120.4 269.125  
ATIS  
127.75  
CLNC DEL  
132.4  
GND CON  
121.9  
BOEING TOWER  
120.6 257.8

**TOP ALTITUDE:  
2100**

VANCOUVER  
115.9 YVR   
Chan 106

WHATCOM  
113.0 HUH   
Chan 77

CRANBROOK  
112.1 YXC   
Chan 58

VICTORIA  
113.7 YYJ   
Chan 84

PAINÉ  
110.6 PAE   
Chan 43



SEATTLE  
116.8 SEA   
Chan 115

WENATCHEE  
114.35 EAT   
Chan 90(Y)

MOSES LAKE  
115.0 MWH   
Chan 97

HOQUIAM  
117.7 HQM   
Chan 124

OLYMPIA  
113.4 OLM   
Chan 81

ELLENSBURG  
117.9 ELN   
Chan 126

YAKIMA  
116.0 YKM   
Chan 107

BATTLE GROUND  
116.6 BTG   
Chan 113

### TAKEOFF MINIMUMS

Rwys 14L/R: NA - ATC.

Rwy 32L: Standard with minimum climb of 425' per NM to 1400 or 400-1 $\frac{1}{8}$  with minimum climb of 240' per NM to 1400.

Rwy 32R: Standard with minimum climb of 345' per NM to 1400 or 400-2 with minimum climb of 240' per NM to 1400.

NOTE: Rwys 32L/R, no right turns authorized until leaving 1400'.

NOTE: RADAR required.

NOTE: Chart not to scale.



### DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 32L/R: Climb heading 315°, maintain 2100 or ATC assigned altitude, for RADAR vectors to assigned route/fix, expect clearance to filed altitude within 3 minutes after departure.

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NW-1, 30 NOV 2023 to 28 DEC 2023

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