

**ESTRR FIVE DEPARTURE (RNAV)**  
**(ESTRR5.ESTRR) 21MARCH24**

**TOP ALTITUDE:  
8000**

RNAV 1 - DME/DME/IRU or GPS.  
RADAR required.

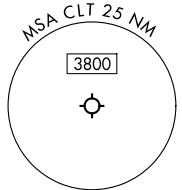
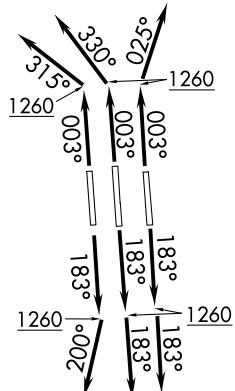
CHARLOTTE DEP COM 120.5 257.1  
 D-ATIS DEP 132.1 CLNC DEP 127.15 348.6  
 GND COM 121.8 348.6 (WEST)  
 121.9 348.6 (EAST)  
 CHARLOTTE TOWER 257.8 (Rwy 18L-36R)  
 257.8 (Rwy 18C-36C)  
 257.8 (Rwy 18R-36L)

(ESTRR5.ESTRR) 25051  
ESTRR FIVE DEPARTURE (RNAV)

AL-78 (FAA)

CHARLOTTE/DOUGLAS INT'L (CLT)  
CHARLOTTE, NORTH CAROLINA

- NOTE: For turbo jets only.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.



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TAKEOFF MINIMUMS

Rwy 18L/C/R, 36C/R  
Rwy 36L

## TAKEOFF MINIMUMS

Rwys 18L/C/R, 36C/R: Standard with minimum climb of 500' per NM to 1260.  
Rwy 36L: Standard with minimum climb of 500' per NM to 1400.

(CONTINUED ON FOLLOWING PAGE)

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DEPARTURE ROUTE DESCRIPTION  
SEE ADDITIONAL REQUIREMENTS ON AAUP

**TAKEOFF RUNWAYS 18L/C:** Climb on heading 183° to 1260, then on heading 183° or as assigned by ATC on RADAR vectors to GINNN, thence. . . .

**TAKEOFF RUNWAY 18R:** Climb on heading 183° to 1260, then on heading 200° or as assigned by ATC on RADAR vectors to GINNN, thence. . . .

**TAKEOFF RUNWAY 36C:** Climb on heading 003° to 1260, then on heading 330° or as assigned by ATC on RADAR vectors to GINNN, thence. . . .

**TAKEOFF RUNWAY 36L:** Climb on heading 003° to 1260, then on heading 315° or as assigned by ATC on RADAR vectors to GINNN, thence. . . .

**TAKEOFF RUNWAY 36R:** Climb on heading 003° to 1260, then on heading 025° or as assigned by ATC on RADAR vectors to GINNN, thence. . . .

....on track 255° to ESTRR, then on IPTAY Transition. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

**IPTAY TRANSITION (ESTRR5.IPTAY)**