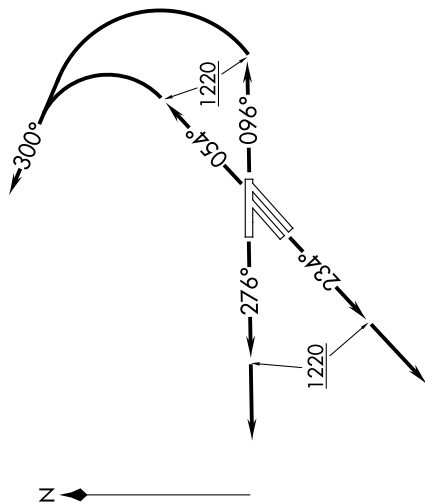


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**TOP ALTITUDE:  
ASSIGNED BY ATC**



NOTE: RNAV 1.

NOTE: RADAR required.

NOTE: DME/DME/IRU or GPS required.

NOTE: Turbojet departures at/above 10000,

maintain 280K until advised by ATC.

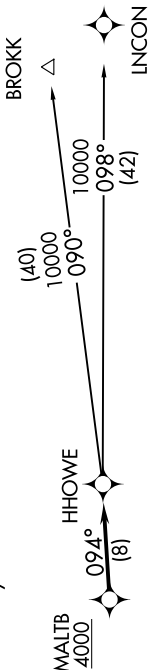
NOTE: BROKK TRANSITION: For use by flights filed at or below

FL270, or as assigned by ATC.

NOTE: If unable to accept 500' per NM climb rate, advise

clearance delivery on initial contact.

ATIS  
127.425  
GND.CON  
119.975  
WILLOW RUN TOWER  
125.275 256.9  
DETROIT DEP CON  
118.95 284.0



**TAKEOFF MINIMUMS:**

Rwys 5L/R, 9, 23L/R, 27: Standard with  
minimum climb of 500' per NM to 1220.

NOTE: Chart not to scale.

**DEPARTURE ROUTE DESCRIPTION**

**TAKEOFF RUNWAYS 5L/R:** Climb on heading 054° to 1220, then left turn heading 300° for RADAR vectors to cross MALTB at or above 4000, thence...

**TAKEOFF RUNWAY 9:** Climb on heading 096° to 1220, then left turn heading 300° for RADAR vectors to cross MALTB at or above 4000, thence...

**TAKEOFF RUNWAYS 23L/R:** Climb on heading 234° to 1220, then on heading 234° for RADAR vectors to cross MALTB at or above 4000, thence...

**TAKEOFF RUNWAY 27:** Climb on heading 276° to 1220, then on heading 276° for RADAR vectors to cross MALTB at or above 4000, thence...

...on track 094° to HHOWE, then on (transition). Maintain ATC assigned altitude, expect filed altitude 10 minutes after departure.

**BROKK TRANSITION (HHOWE3.BROKK)**  
**INCON TRANSITION (HHOWE3.INCON)**

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