TOP ALTITUDE: ASSIGNED BY ATC

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

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

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.

TAKEOFF MINIMUMS:
Rwys 5, 9: Standard with minimum climb of 500' per NM to 1220.
Rwy 23: Standard.
Rwy 27: Standard with minimum climb of 209' per NM to 1000.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 5: Climb on heading 053° to 1220, then on heading 300° or as assigned by ATC, for RADAR vectors to cross MALTB at or above 2200, thence....
TAKEOFF RUNWAY 9: Climb on heading 095° to 1220, then on heading 300° or as assigned by ATC, for RADAR vectors to cross MALTB at or above 2200, thence....
TAKEOFF RUNWAY 23: Climb on heading 233° or as assigned by ATC, for RADAR vectors to cross MALTB at or above 2200, thence....
TAKEOFF RUNWAY 27: Climb on heading 275° or as assigned by ATC, for RADAR vectors to cross MALTB at or above 2200, thence....

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

BROKK TRANSITION (HHOWE4.BROKK):
LNCON TRANSITION (HHOWE4.LNCON):

HHOWE FOUR DEPARTURE (RNAV)
(HHOWE4.HHOWE) 16MAY24
DETROIT, MICHIGAN
WILLOW RUN (YIP)
EC-1, 26 NOV 2026 to 24 DEC 2026