

# HAAB - Addis Ababa - Bole Intl

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## Airport details

|             |                   |
|-------------|-------------------|
| State       | Addis Ababa       |
| Country     | Ethiopia          |
| Region      | HA                |
| Elevation   | 7654ft (2333m)    |
| Timezone    | GMT +3            |
| Coordinates | 8.97504, 38.79940 |
| Type        | land              |
| ICAO code   | HAAB              |
| IATA code   | ADD               |
| FAA code    | n/a               |

## Runway info

|                        |                               |
|------------------------|-------------------------------|
| Runway 07R / 25L       |                               |
| length                 | 3798m (12461ft)               |
| bearing                | 74° / 254°                    |
| width                  | 45m (148ft)                   |
| surface                | asphalt                       |
| displacement threshold | 361m (1184ft) / 357m (1171ft) |
| blast zone             | 90m (295ft) / 90m (295ft)     |
| Runway 07L / 25R       |                               |
| length                 | 3699m (12136ft)               |
| bearing                | 74° / 254°                    |
| width                  | 45m (148ft)                   |
| surface                | asphalt                       |
| displacement threshold | 320m (1050ft) / 376m (1234ft) |
| blast zone             | 59m (194ft) / 55m (180ft)     |

## Communication

|               |         |
|---------------|---------|
| Bole Intl GND | 121.900 |
| Bole Intl GND | 121.900 |
| Bole Intl GND | 121.900 |
| Bole Intl GND | 121.900 |
| Bole Intl TWR | 118.100 |
| Bole Intl TWR | 118.100 |
| Bole Intl TWR | 118.100 |
| Bole Intl TWR | 118.100 |
| Bole Intl APP | 119.700 |
| Bole Intl APP | 119.700 |
| Bole Intl APP | 119.700 |
| Bole Intl APP | 119.700 |

## Approach frequencies

|           |     |       |         |
|-----------|-----|-------|---------|
| ILS-cat-I | 25L | 111.5 | 18.00mi |
| 3° GS     | 25L | 111.5 | 18.00mi |

## Nearby beacons

| code | identifier                  | dist | bearing | frequency |
|------|-----------------------------|------|---------|-----------|
| ADS  | ADDIS (ADDIS ABEBA) VOR/DME | 0    | 0°      | 112.90    |
| BL   | ADDIS ABEBA NDB             | 1.3  | 64.4°   | 352       |
| AB   | ADDIS ABEBA NDB             | 3.9  | 70.5°   | 333       |
| GWZ  | GAWASA VOR/DME              | 8    | 347.3°  | 115.90    |

## Departure and arrival routes

Transition altitude 13500ft

| SID end points         | distance | outbound direction |
|------------------------|----------|--------------------|
| RW07 (ALL)             |          |                    |
| RANS1A, RANS2A, RANS3A | 108.4    | 1°                 |
| EKBO1A                 | 147.4    | 10°                |
| GISH2A, GISH1A         | 105.8    | 33°                |
| EPSO2A, EPSO1A         | 101.6    | 44°                |
| ASOL1A, ASOL2A         | 102.8    | 56°                |
| NIDE1A                 | 182.5    | 58°                |
| MIWA1A, MIWA2A         | 99.9     | 75°                |
| SHAL2A, SHAL1A         | 93.3     | 196°               |
| ETGO1A                 | 144.8    | 209°               |
| BEND1A                 | 94.3     | 210°               |
| KOFT1A, KOFT3A, KOFT2A | 97.6     | 242°               |
| GUDE3A, GUDE2A, GUDE1A | 100.1    | 262°               |
| USUB1A, USUB2A         | 264.4    | 274°               |
| EGNA3A, EGNA2A, EGNA1A | 102.2    | 276°               |
| DAVI1A, DAVI2A         | 209.9    | 318°               |
| MARC1A                 | 96.6     | 320°               |
| LABL3A, LABL2A, LABL1A | 108.1    | 331°               |
| RW07L                  |          |                    |
| IMKI1A                 | 202.5    | 170°               |
| IMTO1A                 | 269.4    | 241°               |
| RW07R                  |          |                    |
| IMKI3A                 | 202.5    | 170°               |
| IMTO2A                 | 269.4    | 241°               |
| RW25 (ALL)             |          |                    |
| RANS3B, RANS2B, RANS1B | 108.4    | 1°                 |
| GISH2B, GISH1B         | 105.8    | 33°                |
| EPSO2B, EPSO1B         | 101.6    | 44°                |
| ASOL2B, ASOL1B         | 102.8    | 56°                |
| MIWA1B                 | 99.9     | 75°                |
| SHAL1B                 | 93.3     | 196°               |

|                |       |      |
|----------------|-------|------|
| BEND1B         | 94.3  | 210° |
| KOFT2B, KOFT1B | 97.6  | 242° |
| GUDE1B, GUDE2B | 100.1 | 262° |
| EGNA1B, EGNA2B | 102.2 | 276° |
| MARC1B         | 96.6  | 320° |
| LABL1B         | 108.1 | 331° |
| RW25L          |       |      |
| EKBO1B         | 147.4 | 10°  |
| NIDE1B         | 182.5 | 58°  |
| MAGO2B         | 122.9 | 76°  |
| IMKI4B         | 202.5 | 170° |
| OKNE1B         | 152.4 | 196° |
| BEND2B         | 94.3  | 210° |
| KOFT3B         | 97.6  | 242° |
| USUB1B         | 264.4 | 274° |
| DAVI1B         | 209.9 | 318° |
| AMUD1B         | 255.5 | 331° |
| RW25R          |       |      |
| EKBO2B         | 147.4 | 10°  |
| NIDE3B         | 182.5 | 58°  |
| MAGO3B         | 122.9 | 76°  |
| IMKI5B         | 202.5 | 170° |
| OKNE2B         | 152.4 | 196° |
| BEND3B         | 94.3  | 210° |
| KOFT4B         | 97.6  | 242° |
| USUB2B         | 264.4 | 274° |
| DAVI2B         | 209.9 | 318° |
| AMUD2B         | 255.5 | 331° |

#### STAR starting points

|                        | distance | inbound direction |
|------------------------|----------|-------------------|
| RW07 (ALL)             |          |                   |
| SHAL7A                 | 93.3     | 16°               |
| BEND7A                 | 94.3     | 30°               |
| IMTO1A                 | 269.4    | 61°               |
| KOFT7A                 | 97.6     | 62°               |
| GUDE8A, GUDE7A         | 100.1    | 82°               |
| AVON1A, AVON2A         | 289.3    | 94°               |
| EGNA7A                 | 102.2    | 96°               |
| TIKA1A, TIKA2A         | 277.9    | 137°              |
| MARC7A                 | 107.2    | 139°              |
| LABL7A                 | 108.1    | 151°              |
| AMUD2A, AMUD1A         | 255.5    | 151°              |
| RANS8A, RANS7A         | 108.4    | 181°              |
| MEKE2A, MEKE1A         | 107.8    | 190°              |
| ASOL7A, ASOL8A         | 102.8    | 236°              |
| LAKB3A, LAKB2A, LAKB1A | 234.3    | 238°              |
| MIWA7A                 | 99.9     | 255°              |
| MAGO1A                 | 122.9    | 256°              |

|                        |       |      |
|------------------------|-------|------|
| ARSH1A                 | 275.2 | 263° |
| IMKI1A, IMKI2A         | 202.5 | 350° |
| RW25 (ALL)             |       |      |
| SHAL1B                 | 93.3  | 16°  |
| BEND1B                 | 94.3  | 30°  |
| IMTO3B, IMTO2B, IMTO1B | 269.4 | 61°  |
| KOFT1B                 | 97.6  | 62°  |
| GUDE1B                 | 100.1 | 82°  |
| AVON3B, AVON1B, AVON2B | 289.3 | 94°  |
| EGNA1B                 | 102.2 | 96°  |
| TIKA2B, TIKA1B, TIKA3B | 277.9 | 137° |
| MARC2B                 | 107.2 | 139° |
| LABL1B, LABL2B         | 108.1 | 151° |
| MEKE1B, MEKE3B, MEKE2B | 107.8 | 190° |
| ASOL2B, ASOL1B, ASOL3B | 102.8 | 236° |
| LAKB1B                 | 234.3 | 238° |
| MIWA1B, MIWA2B         | 99.9  | 255° |
| MAGO1B                 | 122.9 | 256° |
| IMKI3B, IMKI2B, IMKI1B | 202.5 | 350° |

## Holding patterns

| STAR name | hold at | type | turn  | heading*   | altitude  | leg          | speed limit |
|-----------|---------|------|-------|------------|-----------|--------------|-------------|
| ALRA1B    | AB610   | VHF  | left  | 326 (146)° | > 16000ft | 1.5min timed | ICAO rules  |
| ALRA2B    | AB610   | VHF  | left  | 326 (146)° | > 16000ft | 1.5min timed | ICAO rules  |
| ALRA3B    | AB610   | VHF  | left  | 326 (146)° | > 16000ft | 1.5min timed | ICAO rules  |
| AMUD1A    | AB302   | VHF  | right | 335 (155)° | > 16000ft | 1.5min timed | ICAO rules  |
| AMUD2A    | AB302   | VHF  | right | 335 (155)° | > 16000ft | 1.5min timed | ICAO rules  |
| ASOL1B    | AB002   | VHF  | right | 71 (251)°  | > 14000ft | 1.0min timed | ICAO rules  |
| ASOL2B    | AB001   | VHF  | right | 2 (182)°   | > 14000ft | 1.0min timed | ICAO rules  |
| ASOL3B    | ADS     | NDB  | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules  |
| ASOL7A    | ADS     | NDB  | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules  |
| ASOL8A    | EPRUM   | VHF  | right | 276 (96)°  | > 14000ft | 1.0min timed | ICAO rules  |
| AVON1A    | AB201   | VHF  | left  | 272 (92)°  | > 16000ft | 1.5min timed | ICAO rules  |
| AVON1B    | AB510   | VHF  | left  | 270 (90)°  | > 16000ft | 1.5min timed | ICAO rules  |
| AVON2A    | AB201   | VHF  | left  | 272 (92)°  | > 16000ft | 1.5min timed | ICAO rules  |
| AVON2B    | AB510   | VHF  | left  | 270 (90)°  | > 16000ft | 1.5min timed | ICAO rules  |
| AVON3B    | AB510   | VHF  | left  | 270 (90)°  | > 16000ft | 1.5min timed | ICAO rules  |
| BEND1B    | ADS     | NDB  | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules  |
| BEND7A    | UTRIX   | VHF  | right | 201 (21)°  | > 14000ft | 1.0min timed | ICAO rules  |
| BRO1A     | AB201   | VHF  | left  | 272 (92)°  | > 16000ft | 1.5min timed | ICAO rules  |
| BRO2A     | AB201   | VHF  | left  | 272 (92)°  | > 16000ft | 1.5min timed | ICAO rules  |
| EGNA1B    | ADS     | NDB  | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules  |
| EGNA7A    | EPRUM   | VHF  | right | 276 (96)°  | > 14000ft | 1.0min timed | ICAO rules  |
| EKB1A     | AB102   | VHF  | left  | 199 (19)°  | > 16000ft | 1.5min timed | ICAO rules  |
| EKB2A     | AB102   | VHF  | left  | 199 (19)°  | > 16000ft | 1.5min timed | ICAO rules  |
| GUDE1B    | ADS     | NDB  | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules  |
| GUDE7A    | EPRUM   | VHF  | right | 276 (96)°  | > 14000ft | 1.0min timed | ICAO rules  |

|        |       |     |       |            |           |              |            |
|--------|-------|-----|-------|------------|-----------|--------------|------------|
| GUDE8A | APDIG | VHF | right | 221 (41)°  | > 14000ft | 1.0min timed | ICAO rules |
| IMKI1A | AB102 | VHF | left  | 199 (19)°  | > 16000ft | 1.5min timed | ICAO rules |
| IMKI2A | AB102 | VHF | left  | 199 (19)°  | > 16000ft | 1.5min timed | ICAO rules |
| IMTO1B | AB420 | VHF | left  | 237 (57)°  | > 16000ft | 1.5min timed | ICAO rules |
| IMTO2B | AB420 | VHF | left  | 237 (57)°  | > 16000ft | 1.5min timed | ICAO rules |
| IMTO3B | AB420 | VHF | left  | 237 (57)°  | > 16000ft | 1.5min timed | ICAO rules |
| KOFT1B | ADS   | NDB | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules |
| KOFT7A | APDIG | VHF | right | 221 (41)°  | > 14000ft | 1.0min timed | ICAO rules |
| LABL1B | AB001 | VHF | right | 2 (182)°   | > 14000ft | 1.0min timed | ICAO rules |
| LABL2B | ADS   | NDB | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules |
| LABL7A | EPRUM | VHF | right | 276 (96)°  | > 14000ft | 1.0min timed | ICAO rules |
| LAKB1A | AB402 | VHF | right | 60 (240)°  | > 16000ft | 1.5min timed | ICAO rules |
| LAKB1B | AB710 | VHF | right | 54 (234)°  | > 16000ft | 1.5min timed | ICAO rules |
| MARC1B | ADS   | NDB | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules |
| MARC2B | AB001 | VHF | right | 2 (182)°   | > 14000ft | 1.0min timed | ICAO rules |
| MARC7A | EPRUM | VHF | right | 276 (96)°  | > 14000ft | 1.0min timed | ICAO rules |
| MEKE2A | AB402 | VHF | right | 60 (240)°  | > 16000ft | 1.5min timed | ICAO rules |
| MIWA1B | AB002 | VHF | right | 71 (251)°  | > 14000ft | 1.0min timed | ICAO rules |
| MIWA2B | AB002 | VHF | right | 71 (251)°  | > 14000ft | 1.0min timed | ICAO rules |
| MIWA2B | ADS   | NDB | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules |
| MIWA7A | ADS   | NDB | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules |
| RANS7A | ADS   | NDB | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules |
| RANS8A | EPRUM | VHF | right | 276 (96)°  | > 14000ft | 1.0min timed | ICAO rules |
| RUDO1A | AB102 | VHF | left  | 199 (19)°  | > 16000ft | 1.5min timed | ICAO rules |
| RUDO2A | AB102 | VHF | left  | 199 (19)°  | > 16000ft | 1.5min timed | ICAO rules |
| SHAL1B | ADS   | NDB | right | 272 (92)°  | > 14000ft | 1.0min timed | ICAO rules |
| SHAL7A | UTRIX | VHF | right | 201 (21)°  | > 14000ft | 1.0min timed | ICAO rules |
| TIKA1A | AB302 | VHF | right | 335 (155)° | > 16000ft | 1.5min timed | ICAO rules |
| TIKA2A | AB302 | VHF | right | 335 (155)° | > 16000ft | 1.5min timed | ICAO rules |

\*) magnetic outbound (inbound) holding course

## Disclaimer

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