Checkliste HB-CCT

OUTSIDECHECK / PREFLIGHT CHECK

1. according AFM .....completed

CHECK BEFORE STARTING ENGINE

1. Documents .....on board
2. Passenger briefing .....completed
3. Flight time counter / Flight log .....checked
4. Seats / Seat belts / Shoulder harness....adjusted, locked and fasten
5. Parking brake .....set
6. Master switch / Alternator.....on
7. Circuit breakers .....checked all in
8. Rotating Beacon.....on
9. ATIS .....received
10. Com / Avionics / Audio panel .....check 121.50 and prepared
11. Com / Avionics .....off
12. Fuel quantity.....left / right checked, check min QTY
13. Fuel selector.....both
14. Mixer.....rich

ENGINE START

1. Primer (Einspritzpumpe) .....as instructed
2. Throttle .....1 cm open
3. Prop area.....free
4. Starter.....start engage (10 sec max)
5. RPM 1000RPM .....set
6. Oil pressure .....green arc, within 30 sec.

AFTER STARTING ENGINE

1. Primer (Einspritzpumpe) .....locked
2. Alternator.....positive arc, checked
3. Radio Master .....on

TAXI CHECK

1. Time .....noted
2. Taxi light .....on
3. Brakes / steering .....checked
4. Flight instruments.....checked

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ENGINE RUN UP

1. Parking brake .....set
2. Oil pressure and temperature .....green arc
3. Throttle .....1'700 RPM
4. Magnetos.....Drop max 125 RPM
   .....Diff max 50 RPM
5. Carburetor heat (Vergaserheizung) .....function checked
6. Mixture.....function checked
7. Gyro suction .....checked, green arc
8. Alternator load.....checked, green arc
9. Throttle idle.....500 - 700 RPM
10. Throttle .....1000 RPM

CHECK BEFORE DEPARTURE

1. Mixture.....set as required
2. Carburetor heat .....cold (pushed)
3. Engine instruments.....checked, green arc
4. Throttle friction lock .....adjusted
5. Flight instruments .....set and verified
6. Pitch trim .....set for T/O
7. Flaps.....set for T/O
8. Doors.....closed
9. Controls .....free and easy
10. Departure Briefing .....completed

LINE UP

1. Approach sector / Runway .....free
2. Landing lights .....on
3. RWY and Gyros .....identified and checked
4. Wind .....checked
5. Transponder .....on or as required
6. Time.....noted

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CLIMB CHECK

1. Flaps up.....checked
2. Climb Power.....set
3. Landing lights.....on or as required

CRUISE CHECK

1. Altimeters.....set
2. Engine instruments.....checked, green arc
3. Flight instruments.....set and verified
4. Cruise power.....set as required
5. Mixture.....lean for efficient setting
6. Fuel quantity L/R.....checked
7. Fuel selector.....both

CHECK FOR APPROACH

1. Altimeter.....set QNH / to an altitude
2. Landing light.....on
3. Fuel quantity L/R.....checked
4. Fuel selector.....both
5. Mixture.....rich
6. Carburetor heat.....full heat or as required
7. Directional gyro.....verified with MC
8. Approach briefing.....completed

FINAL CHECK

1. Flaps.....set as required
2. Carburetor heat.....cold (pushed)

CHECK AFTER LANDING

1. Time ..... noted
2. Landing lights ..... off
3. Taxi light ..... on
4. Transponder ..... as required
5. Flaps ..... up, retracted
6. Trims ..... take off position

ENGINE SHUT DOWN

1. Parking brake ..... set
2. 1000 RPM ..... set
3. Lights ..... off
4. Cabin- and instrument lights ..... off
5. Electrical switches ..... all off
6. Avionics ..... 121.50 checked → then off
7. Magnetos cut-off (Magnetos Grounding) . checked (both → OFF → both)
8. Mixture ..... idle, cut off
9. Ignition switch ..... off / remove key
10. Main Switch / Alternator ..... off
11. Parking brake ..... as required
12. Control lock ..... as required
13. Flight data ..... noted
14. Protection for Pitot / Static ports ..... as required
15. Cabin / Cockpit ..... clean the aircraft

Speeds KIAS (kts)	
V_{Rotate}	56
V_X	70
V_Y	75
$V_{A\ (1'600\ lbs)}$	82

Speeds KIAS (kts)		
$V_{FE\ Flaps\ extended}$	85	Flaps 30°
$V_{Ref\ Final}$	65 – 70	Flaps down
max Crosswind	15	
$V_{Ref\ Final\ 0°\text{-}Flaps}$	65 - 75	
$V_{best\ glide}$	65	**Flaps up**