

## CRUISE

## DECATHLON 8KCAB-150

1. THROTTLE - 23 INCHES
2. PROP - 2400 RPM
3. MIXTURE - LEAN
4. PERFORMANCE (4000 FT MSL, 10 Deg C OAT)  
FUEL - 8.6 GPH  
AIRSPEED - 133 MPH TAS

## AEROBATICS

1. ALTITUDE - MINIMUM 3000 FT AGL
2. PROP - 2500 RPM
3. THROTTLE - 24 INCHES
4. MIXTURE - RICH
5. **MAXIMUM** AIRSPEEDS - MANEUVERING (VA) 132 MPH  
AILERON OR BARREL ROLL ..... 120 MPH  
LOOP ..... 140 MPH  
IMMELMANN ..... 145 MPH  
HAMMERHEAD ..... 145 MPH  
SNAP ROLL ..... 90 MPH

## DECENT

1. CRUISE POWER - **MAINTAIN STEADY POWER SETTING**
2. CYLINDER HEAD OIL TEMPERATURE - IN GREEN

## LANDING

1. ELECTRIC FUEL PUMP - ON
2. MIXTURE - FULL RICH
3. PROP - FULL RPM ON FINAL
4. THROTTLE - **MAINTAIN STEADY POWER SETTING**
5. AIRSPEED - ( PATTERN 70 MPH - 80 MPH )  
APPROACH - (**NO SLIPS BELOW 60 MPH**)  
WHEEL LANDING - 70 MPH - 80 MPH  
THREE POINT - 65 MPH - 75 MPH  
POWER OFF GLIDE - 75 MPH

## TAXI

1. TRANSPONDER - STANDBY
2. ELECTRIC FUEL PUMP - OFF
3. STROBES - OFF

## SHUTDOWN

1. RADIO AND INTERCOM SWITCHES - OFF
2. MIXTURE - IDLE CUT-OFF
3. MAGNETO SWITCHES - BOTH OFF
4. MASTER AND ALL ELECTRICAL SWITCHES - OFF
5. SECURE STICK WITH HARNESS
6. WING AND TAIL TIEDOWNS - SECURE

## FREQUENCIES

APT	MFY	RNM	SEE	SDM	CRQ
ATIS	126.9	132.025	125.45	132.35	120.15
TWR	119.2	119.875	120.7	126.5	118.6
GND	118.22	121.65	121.7	124.4	121.8

## **STARTING**

## **BELLANCA DECATHLON**

1. PREFLIGHT - COMPLETED
2. SEAT HARNESSES AND DOOR- SECURE AND LATCHED
3. FUEL VALVE - ON
4. FUEL QUANTITY - GREATER THAN 1/2 TANK
5. PROP - FULL RPM
6. ALTERNATE AIR - COLD
7. ELECTRICAL SWITCHES - ALL OFF
8. MASTER SWITCH - ON
9. MAGNETO SWITCHES - BOTH ON
10. MIXTURE -IDLE CUT-OFF
11. THROTTLE - OPEN 1/2 INCH
12. CHECK PROP AREA-"CLEAR"
13. STICK FULL BACK
14. STARTER- ENGAGE
15. MIXTURE - FULL RICH
16. THROTTLE - 1000 RPM
17. OIL PRESSURE - IN THE GREEN
18. MIXTURE - LEAN
19. INTERCOM AND RADIO SWITCHES - ON
20. TRANSPONDER - STANDBY

## **RUN-UP**

1. CONTROLS - CHECK FULL MOVEMENT
2. TRIM - TAKEOFF POSITION
3. FLIGHT INSTRUMENTS - SET
4. FUEL VALVE-ON
5. MIXTURE - FULL RICH
6. THROTTLE-1800 RPM
  - MAGS - CHECK LEFT AND RIGHT
  - PROP - CYCLE TWICE
  - ALTERNATE AIR - CHECK FOR RPM DROP
  - ENGINE GAUGES - IN THE GREEN
7. THROTTLE - 1000 RPM
8. MIXTURE - LEAN

## **TAKEOFF**

1. DOOR AND WINDOW - SECURE AND LATCHED
2. TRANSPONDER AND STROBES - ON
3. ELECTRIC FUEL PUMP - ON
4. MIXTURE - FULL RICH
5. PROP - FULL RPM
6. THROTTLE - APPLY FULL OPEN

## **CLIMB**

1. THROTTLE - 25 INCHES - AT 500 AGL
2. PROP - 2600 RPM
3. AIRSPEED-
  - BEST RATE OF CLIMB ( $V_y$ ) -76 MPH BEST
  - COOLING CLIMB - 80 MPH - 90 MPH BEST
  - ANGLE OF CLIMB (  $V_x$  ) - 63 MPH
4. ELECTRIC FUEL PUMP - OFF - AT 1000 AGL