

# ZENITH CH601XL-B „ZODIAC“ HB-YNA

## NORMAL CHECKLIST

### PREFLIGHT INSPECTION

1. Documents on Board .....CHECK
2. Outside Check.....COMPLETE
  - ▶ Engine Oil .....MIN 2.5 Liter
  - ▶ Coolant Liquid.....MIN 0.2 Liter
  - ▶ Pitot Tube Cover..... REMOVED
  - ▶ Fuel System..... DRAINED
  - ▶ Fuel Quantity .....CHECKED

### BEFORE START

1. Wing Lockers .....CLOSED
2. Seatbelts ..... SECURE
3. Parking Brake..... SET
4. Electrical Switches ..... OFF
5. Circuit Breakers..... CHECK IN
6. BATTERY Switch .....ON
7. Engine Display EMS .....CHECK
8. Propeller Control . CONSTANT SPD
9. Fuel Selector..... LEFT INNER
10. Flaps .....FULL UP (0°)

### ENGINE START

1. STROBE .....ON
2. Aux Fuel Pump *and then*  
Left Inner Fuel Pump..... ON/BOTH
3. Carburettor Heat ..... OFF
4. Throttle ..... IDLE
5. Choke.....PULL (if cold engine)
6. Propeller Area ..... CLEAR
7. Magnetos .... ON/START (max. 10s)
8. Throttle ..... 2000 - 2500 rpm
9. Choke..... gradually PUSH IN
10. Oil Pressure (EMS) .....CHECK
11. Aux Fuel Pumps..... OFF
12. Warning Lights .....CHECK OFF

### BEFORE TAXI

1. AVIONICS Switch ..... ON
2. AVIONICS..... ON/SET
3. Flight Instruments ..... SET/CHECK

### ENGINE RUNUP (OIL TEMP > 50°C)

1. Parking Brake .....SET
2. Throttle .....4'000 rpm
3. Magnetos ..... CHECK
  - ▶ max Drop.....300 rpm
  - ▶ max Difference:..... 115 rpm
4. Carburettor Heat ..... CHECK
  - ▶ Drop ..... noticeable
5. Throttle .....5'000 rpm
6. Propeller Control..... PROP TEST
7. Throttle ..... FULL POWER
  - ▶ all engine parameters..... CHECK
8. Ammeter/Voltmeter ..... CHECK
9. Warning Lights ..... CHECK OFF
10. Throttle ..... IDLE / 2'500 rpm
  - ▶ Engine rpm..... stabilized

### BEFORE TAKEOFF

1. Canopy ..... CLOSED + SECURED
2. Flight Controls..... CHECK
3. Elevator + Aileron Trim .....SET T/O
4. Flaps ..... FULL UP (0°)
5. Carburettor Heat ..... OFF
6. Choke ..... OFF
7. Fuel Quantity ..... CHECK
8. Fuel Selector.....LEFT INNER
9. Aux Fuel Pumps ..... ON/BOTH
10. Propeller Control.....5700 rpm SET
  - ▶ MIN PITCH LED .....CHECK ON
11. Rescue System..... REMOVE PIN

### LINEUP

1. Transponder ..... ON/ALT
2. Lights..... as required

### CLIMB

1. Aux Fuel Pumps ..... OFF
2. Propeller Control ..... SET 5'500 rpm

### LANDING

1. Aux Fuel Pumps ..... ON/BOTH
  2. Fuel Selector ..... LEFT INNER
  3. Flaps ..... SET
- ON FINAL**
4. Propeller Control ... SET 5'700 RPM
  5. Carburettor Heat..... OFF

### GO AROUND

1. Throttle ..... smoothly FULL
2. Flaps ..... 1/2
3. Rotate..... 55 KIAS

### AFTER LANDING

1. Flaps .....UP
2. Aux Fuel Pumps..... OFF
3. Transponder..... STBY
4. Lights .....as required

### ENGINE SHUTDOWN

1. Parking Brake .....SET
2. Throttle.....2'500 rpm
3. Electrical Equipment ..... OFF
4. AVIONICS Switch ..... OFF
5. Throttle.....IDLE
6. Magnetos ..... OFF/pull key
7. Flaps ..... FULL DOWN
8. BATTERY Switch..... OFF
9. Rescue System..... INSTALL PIN

### PARKING

1. Hobbs & Tach .....NOTE
2. Pitot Cover ..... INSTALL
3. Chocks / Tie Down..... INSTALL

### AIRSPEEDS

$V_{Climb}$	Normal T/O (0°) ..... 60 KIAS
	Enroute ..... 70 KIAS
$V_{Appr}$	Approach ..... 60 KIAS
$V_{Final}$	Final..... 50 KIAS
$V_{G/A}$	Go Around (20°) ..... 55 KIAS
$V_A$	Maneuvering ..... 95 KIAS
$V_{FE°}$	Flaps Extend..... 70 KIAS
$V_{Glide}$	<b>Best Glide.....60 KIAS</b>

### FUEL / OIL

**Fuel** 4 x 43 L usable (mogas/100LL)  
**Fuel Drains** 4 at wings/ 1 at engine  
**Oil** min. 2.5 Liter

### WEIGHTS

Max Takeoff Weight ..... 600 kg  
 Empty Weight..... 350 kg  
 Max Useful Load ..... 250 kg