



# Pipistrel Sinus

## OPERATING CHECKLISTS



### Pipistrel Sinus Checklists

#### PREFLIGHT CHECKS

##### COCKPIT

All Switches.....OFF  
 Master Switch.....OFF  
 Primary Flight Controls..... Proper Operation  
 Flaperons.....Proper Operation – Leave Neutral  
 Air Brakes ..... Check Operation  
 Trim..... Center Position  
 Windows..... Clean  
 Required Papers.....Check On Board  
 Baggage..... Properly Secured  
 Seats ..... Headrests in Place

##### LEFT WING

Surface..... Clear of Ice, Frost  
 Wing Tape..... Secure  
 Fuel Tank ..... Check Quantity  
 Fuel Tank Cap..... Secure  
 Fuel Tank Vent..... Clear  
 Aileron and Hinges..... Check  
 Aileron Tape ..... Secure  
 Wing Root Tape..... Secure  
 Air Brakes ..... Check Springs, Flush when closed  
 Wing Tip and Lights ..... Check  
 Tie Downs and Wheel Chock ..... Remove  
 Main Gear Strut..... Check  
 Tire..... Proper Inflation, Check Wear  
 Wheel Spat..... Check

##### NOSE SECTION

General Condition ..... Check  
 Windshield..... Clean  
 Propeller ..... Check Movement  
 Spinner ..... Secure  
 Air Inlets..... Clear  
 Oil..... Check Quantity  
 Coolant ..... Check Quantity  
 Cowling..... Secure

## Pipistrel Sinus Checklists

Fuel Gascolator ..... Drain - Check for Water  
Nose Gear Strut (if fitted) ..... Check  
Nose Wheel Tire ..... Proper Inflation, Check Wear

### RIGHT WING

Surface..... Clear of Ice, Frost  
Wing Tape..... Secure  
Fuel Tank ..... Check Quantity  
Fuel Tank Cap..... Secure  
Fuel Tank Vent..... Clear  
Pitot Tube ..... Remove Cover, Holes Clear  
Aileron and Hinges..... Check  
Aileron Tape ..... Secure  
Wing Root Tape..... Secure  
Air Brakes ..... Check Springs, Flush when closed  
Wing Tip and Lights ..... Check  
Tie Downs and Wheel Chock ..... Remove  
Main Gear Strut..... Check  
Tire ..... Proper Inflation, Check Wear  
Wheel Spat..... Check

### RIGHT FUSELAGE

Transponder Antenna (if fitted) ..... Secure  
FM Antenna (if fitted)..... Secure  
Empennage..... Clear of Ice, Frost  
Radio Antenna (if fitted) ..... Secure  
Right Door ..... Secure

### TAIL

Stabilizer and Elevator ..... Clear of Ice, Frost  
Elevator Hinges ..... Check  
Elevator Tape..... Secure  
Rudder ..... Check  
Rudder Tape ..... Secure  
Tie Down ..... Remove  
Tail Wheel / Skid ..... Check

## Pipistrel Sinus Checklists

### LEFT FUSELAGE

Ballistic Chute Bridles..... Secure  
Ballistic Chute Lid ..... Secure  
Left Door..... Secure  
Sunroof..... Secure / Clean

### PRE-START CHECKS

Doors ..... Closed – Locked  
Harnesses..... Secure  
Brakes..... ON  
All Switches..... OFF  
Master ..... ON  
Brauniger ..... ON – Check  
Brauniger ..... Set Fuel  
Brauniger ..... Set Altitude  
Propeller ..... Check Full Pitch Range and Stops  
Propeller ..... Set FINE Pitch  
Fuel Selector..... ON - Both Tanks  
Choke..... As Required  
Throttle ..... Idle  
Starter ..... Engage  
Throttle ..... Set 2000 RPM  
Choke..... Closed  
Oil Pressure..... Check Rising  
Ballistic Chute Safety..... Removed

### WARM-UP

Throttle ..... Set 2500 RPM  
Oil Pressure ..... Check min 0.8 bar (12 psi)  
Oil Temperature..... Check min 50°C (120°F)  
Cylinder Head Temp..... Check max 130°C (266°F)  
Transponder ..... Standby  
Switches ..... ON  
Avionics..... ON  
Attitude Indicator..... (if fitted) Level  
Air Brakes ..... Check – Lock Retracted  
Flaps ..... 1<sup>st</sup> or 2<sup>nd</sup> Position

## Pipistrel Sinus Checklists

### TAXIING

Taxi Area..... Clear  
Brakes..... Check  
Steering ..... Check  
Compass..... Check

### ENGINE RUN-UP

Brakes.....ON  
Throttle .....Set 4000 RPM  
Magnetos ..... Check max drop 300 RPM  
.....Max. Difference 120 RPM  
Oil Temperature..... 50 - 100°C  
Oil Pressure.....2.0 – 5.0 bar  
Cylinder Head Temp..... Check max 130°C  
Throttle .....Set 2000 RPM

### BEFORE TAKE-OFF

Switches .....ON  
Instruments..... Check  
Fuel Selector..... Check Both ON  
Engine Gauges ..... Check  
Propeller ..... FINE Pitch  
Harnesses..... Secure  
Loose Items ..... Secure  
Flaps .....Set 1<sup>st</sup> or 2<sup>nd</sup> Position  
Elevator Trim ..... Neutral  
Controls ..... Full and Free Movement  
Doors ..... Closed and Locked  
Transponder (if fitted) ..... ON - Code Set, ALT  
Strobes ..... ON

### TAKE-OFF

Flaps .....Set 1<sup>st</sup> or 2<sup>nd</sup> Position  
Propeller ..... FINE Pitch  
Throttle .....Full  
Accelerate to 45 KIAS and rotate.  
Lift off at 50 KIAS.

## Pipistrel Sinus Checklists

Slowly raise flaperons at 500 feet AGL to neutral position  
Accelerate to 70 KIAS  
Slowly raise flaps to negative position  
Accelerate to 75 KIAS  
Adjust Propeller pitch for 5300 RPM  
Continue climb.

### CLIMB

Throttle .....Set 5400 RPM  
Engine Gauges ..... Check

### CRUISE

Propeller .....Set CRUISE as required  
Throttle .....Set 4400 RPM

### DOWNWIND

Brakes..... Check  
Propeller ..... Set CLIMB  
Fuel ..... Sufficient  
Harnesses..... Secure  
Doors ..... Secure  
Loose Items ..... Secure

### BASE LEG

Throttle .....Idle  
Flaperons..... Stage 1  
Air Brakes ..... As Required

### FINAL APPROACH

Throttle .....Idle  
Flaperons..... Stage 2  
Air Brakes ..... As Required

Pipistrel Sinus Checklists

**AFTER LANDING**

Flaps ..... Neutral  
Air Brakes ..... Retracted  
Transponder ..... Standby  
Strobes ..... OFF

**SHUT DOWN**

Avionics ..... OFF  
Switches ..... OFF  
Throttle ..... Idle  
Magnetos ..... OFF  
Master Switch ..... OFF

**PARKING**

Ballistic Chute Safety ..... Inserted  
Controls ..... Secured with Harnesses  
Flaps ..... Neutral  
Wheel Chocks ..... In Place  
Tie Downs ..... Secure  
Pitot Cover ..... ON  
Doors ..... Locked or as Required

Pipistrel Sinus Checklists

**EMERGENCIES**

**ENGINE FIRE**

Fuel ..... OFF  
Magnetos ..... OFF  
Cabin Heat ..... OFF  
All Switches ..... OFF

**ENGINE FAILURE**

Fuel Selectors ..... ON  
Magnetos ..... Both ON  
Propeller ..... Set CLIMB  
Air Restart Speed ..... 50 KIAS

**ENGINE OFF FORCED LANDING**

Fuel Selectors ..... OFF  
Master Switch ..... ON  
Radio ..... MAYDAY  
Propeller ..... Feathered  
Master Switch ..... OFF  
Glide Speed ..... 50 KIAS