

**Platform Inspection (No Smoking!)**

Ship papers - On Board  
Emergency equipment - As desired  
Loose objects - Stowed  
Weight and Balance - Within limits  
Control lock - Removed and stowed  
Fuel selector - Left or Right

Magnetos - Off  
Avionics - Off  
Electrical switches - Off  
Master switch - On  
Fuel quantities - Checked  
Beacon Light - Checked and Off  
Position Lights - Checked and Off  
Landing Light - Checked and Off  
Master switch - Off

**Walk Around**

General Condition - Checked  
Fuel Quantities - Checked  
Fuel Drain (6x) - Checked  
Air Intake - Checked  
Oil - Checked

**Before Starting (Not in front of open Hangar!)**

Canopy - As desired  
Seats - Adjusted and secured  
Seat Belts - Fastened  
Controls - Checked  
Flaps - Checked and Up  
Trim - Checked and neutral  
Brakes - Checked

**Start Up**

Master switch	- On
Booster pump	- On
Beacon Light	- On
Throttle	- 1 cm
Mixture	- Full rich
Carburetor heat	- Pushed for cold
Fuel Selector	- Least full tank
Outside	- Clear
Brakes	- Feet on the brakes

<b>Cold Start</b>	<b>Warm Start</b>
Primer - 4 Strokes	Primer - 1 Stroke

Magnetos	- Start then Both
Throttle	- 1000 Rpm
Oil pressure in 30-60 sec.	- Checked
Booster pump	- Off
Engine instruments	- Checked
All flight instruments	- Checked
Avionics	- On
Time (block)	- Noted
Tachometer	- Noted
Brakes	- Off

**During Taxi**

Brakes	- Checked
Gyros	- Checked

**Run Up**

Brakes	- Feet on the brakes
Throttle	- 1000 Rpm
Engine instruments	- Checked
Fuel selector	- Switch to other tank
Outside	- Clear
Throttle	- 2000 Rpm
Magnetos	- Checked
Carburetor heat	- Checked
Pressures	- Checked
Temperature	- Checked
Ampere meter	- Checked
Suction	- Checked
Throttle Idle	- Checked
Throttle	- 1000 rpm
Friction	- Set



## Checklist PH-LFC

Version 02/12/2017

### Before Take-off

- |                   |                          |
|-------------------|--------------------------|
| Canopy            | - Closed and locked      |
| Seat belts        | - Fastened               |
| Seats             | - Adjusted and secured   |
| Controls          | - Free and easy          |
| Magnetos          | - Both                   |
| Booster pump      | - On                     |
| Navigation lights | - On                     |
| Mixture           | - Full rich              |
| Primer            | - Locked                 |
| Carburetor        | - Check for ice then off |
| Fuel selector     | - On                     |
| Flaps             | - Set                    |
| Trim              | - Set                    |
| All instruments   | - Checked                |
| Brakes            | - Off                    |

### Runway items

- |                |           |
|----------------|-----------|
| Landing light  | - On      |
| Runway heading | - Checked |
| Wind direction | - Checked |

### After 200ft AGL

- |       |          |
|-------|----------|
| Flaps | - Up     |
| IAS   | - 80 kts |

### After 500ft AGL

- |                    |                        |
|--------------------|------------------------|
| Landing light      | - Off                  |
| Throttle           | - Checked (full power) |
| Engine instruments | - Checked              |

### Cruise checks

- |              |            |
|--------------|------------|
| Throttle     | - 2400 Rpm |
| Booster pump | - Off      |



## Checklist PH-LFC

Version 02/12/2017

### Downwind checks

Magnetos	- Both
Booster pump	- On
Mixture	- Full rich
Primer	- Locked
Carburetor	- On
Engine instruments	- Checked
Fuel selector	- Fullest tank
Fuel quantities	- Checked
Seat Belts	- Fastened
Brakes	- Checked
Throttle	- 2100 Rpm
Flaps	- Set (15°)
Speed	- 90 kts

### Base Leg Checks

Throttle	- Reduce
Flaps	- Set (25°)
Speed	- 80 kts

### Final Checks

Throttle	- Reduce
Flaps	- Set (full)
Speed	- 70 kts

### After Landing Checks (after Runway vacated)

Booster pump	- Off
Carburetor heat	- Off
Navigation lights	- Off
Landing light	- Off
Flaps	- Up
Transponder	-Standby

### After Parking Checks

Brakes	- Feet on the brakes
Electrical switches	- Off (except beacon light)
Avionics	- Off
Throttle	- 1000 Rpm
Mixture	- Idle, cut-off
Magnetos	- Off, key removed
Beacon light	- Off
Battery switch	- Off
Fuel selector	- Off
Flaps	- Set 35°
Control Lock	- Inserted
Time (block)	- Noted
Tachometer	- Noted



# Checklist PH-LFC

Version 02/12/2017

## Limitations

Max. structural cruising speed  $V_{NO}$  129 kts  
 Maximum demonstrated Crosswind 15 kts

Never Exceed Speed $V_{NE}$	
Category N/U 145 kts	Category A 149 kts

Design Maneuvering Speed $V_A$	
Category N/U 116 kts	Category A 129 kts

Flaps Extended Speed $V_{FE}$	
15° 121 kts	25°, 35° 116 kts

Maximum Load Factors (Flaps Up)		
Category N +3,8 / -1,52G	Category U + 4,4 / -1,76G	Category A +6,0 / - 3,0G

Maximum Load Factors (Flaps Down)		
Category N +2,0 / -0,0G	Category U +2,0 / -0,0G	Category A +2,0 / -0,0G

Maximum Weight & Number of Persons		
Category N 2335 lbs / 4 persons	Category U 2137 lbs / 4 persons	Category A 1940 lbs / 2 persons

Total fuel quantity 202 liter  
 Usable fuel quantity 198 liter  
 Fuel grades MOGAS minimum 95 octane leaded or unleaded  
 AVGAS UL91  
 AVGAS 100LL

## Check airplane flight manual for:

- Normal, abnormal and emergency procedures
- Relevant performance data
- Any other limitations

## Emergency procedure Canopy

- Secure the canopy lock, after opening the canopy for making a forced or precautionary landing

## Aerobatic flights

- Use risk analysis before and during flight  
 (see "Risico Analyse Aerobatic Vluchten")

**What to do in case of a serious incident / accident**

- leave the aircraft (make sure master switch, fuel and magneto's is off)
- help injured people, if able and possible
- Call as soon as possible Wings over Holland. If nobody can be reached call Martinair Flight Academy
- Never leave the aircraft unguarded behind / coordinate when possible with emergency services.
- Do not communicate via VHF, unless mobile phone (network) is unavailable
- Do not speak with the press, but refer to the crisis team
- Do not give any information regarding the circumstances to anyone, but refer to the crisis team
- Do not communicate via SMS, email or on Twitter, Facebook etc.

**Wings over Holland  
+31(0)320-288260**

**Outside Office hours:  
+ 31-(0) 6-51556098 (Luuk van Hooijdonk)**

**Martinair Flight Academy:  
+31(0)320-288476**

**Outside office hours  
+31-(0)6-5366 3047 (Frank de Jong)**