



Checklist Cessna 182P PH PDN

Version 1-25/02/2008

Duinair BV – Kikkertweg 32-34 1521 RG Wormerveer Tel: 0031-(*)756283063

Useful information

Generalities

Max TOW 2950 lbs (1339kg)

Empty weights 1909nlbs (865 kg)

Empty moment 76701,855lb.ins

Load factor flaps up +3.8 -1.52 / flaps down+2.0 -0.0

Total usable fuel 75 GAL

Average cruise fuel consumption 13 GAL/Hr.

Use of primer

2 strokes in warm weather tot 6 strokes in cold weather

Precautionary landing

First overfly landing area with flaps 20 and 75 mph

On downwind turn off all switches except ignition and master switch

Approach with flaps 40 en 75 mph

Unlatch doors

Before touchdown turn ignitions and master off

Speeds:

Vs (clean):	64 mph
Vs (flaps 20):	59 mph
Vs (flaps 40):	57 mph
Vx (flaps 20):	60 mph
Vy:	89 mph
Best glide speed	80 mph
Cruise climb:	100-120 mph
Max speed flaps 10:	160 mph
Max speed flaps 20-40:	110 mph
Manoeuvring speed:	126 mph
Vno:	160 mph
Vne:	198 mph

Downwind speed:	100 mph
Base speed:	90 mph
Flapless landing speed:	90 mph
Normal landing speed:	80 mph
Short field landing speed	69 mph

Before starting

Pre-flight inspection	Complete
Documents	On board
Trouble report	checked
Baggage door	Locked
Passenger briefing	Complete
Tow bar	Removed
Pilot cover	Removed
Control lock	Removed
Seats and belts	Adjust and locked
Brakes	Test and set
Battery switch	On
Fuel selector valve	Both
Cowl flaps	Open
Circuit breakers	All in
All switches	Off
Fuel quantity	Checked
Flight instruments	Checked
Altimeters	Checked
Avionics master switch	Off
Avionics cooling fan	Audible
Atis and start up clearance	Use ground clearance switch
Avionics master switch	Off

Engine Start

Mixture	Rich
Propeller	Max rpm
Throttle	1,5 cm open
Carburator heat	Cold
Rotating beacon	On
Primer	(cold 6x) As required
Propeller area	Clear
Starter	Engaged
Oil pressure	Green (within 30 sec.)

After start

Alternator switch	On
Avionics master switch	On
Vacuum pressure	In the green
Annunciator panel	A/P Test switch Lights extinguished
Attitude indicator	Adjusted
Directional gyro	Adjusted
Ammeter	Loading
Radios and nav aids	On
Autopilot	Off (if applicable)

Taxi

- Check toe brakes
- Check instruments. When completed call out: “compass, gyros and adf checked
- Check flaps end trim in takeoff position, check flight control

Before takeoff

Parking brake	Set
Taxi light	Off
Engine instruments	In the green
Throttle	1700 rpm
Magnetos (max dorp 150, diff 50)	Checked
Carburator heat	Check
Propeller	2x max drop 500 rpm Cycle
Suction	Check
Ammeter	Check
Throttle	Idle, then 1000 rpm

Fuel selector	Both
Cowl flaps	Full open
Rudder and elevator trim	Take-off
Flaps	Set for to (0° to 20°)
Carburator heat	Cold
Magnetos	Both
Flight instruments and radio	Set
Directional gyro	Rechecked
Doors and windows	Closed
Atc clearance (IFR)	Received
Sid (IFR)	Reviewed
Self/crew briefing	Completed
Flight controls	Checked
Take off time	noted

Line up

Transponder	Alt
Landing lights	On
Strobe lights	On
Nav lights	On
Pitot heater	On (if required)

Vx: 60 mph (flaps 20°) /Vy 98 mph/ best glide speed: 80 mph

Normal Takeoff

Power	Full
Rotation speed	70 mph
Climb speed	90 mph

Max performance takeoff

Flaps	20°
Power	Full on brakes
Rotation speed	50 mph
Climb speed	60 mph

After Takeoff**400 ft AGL**

Brakes	Apply
Flaps	Up
Power	25 “/2500 rpm

1000 ft ground

Flaps	Up
Landing light	Off
Engine instruments	checked
Cowl flaps	Closed

Normal climb

Airspeed	100 mph
Power	23”/ 2400 rpm

Mac performance climb

Airspeed	90 mph
Power	Full throttle/ 2600 rpm

Cruise

Power	15 tot 23”/ 2200 to 2450 rpm
Power recommended	21”/2300 rpm
Mixture	Lean
Cowl flaps	closed
Fuel Selector	Fullest tank check every 30 minutes

Descent and approach

Brakes	Checked
Fuel selector valve	Both
Cowl flaps	Closed
Mixture	Rich
Throttle	13"
Carburator heat	On
Landing light	On
Magnetos	Both
Fuel	Checked
Directional gyro	Adjusted
Speed	Below 160 mph
Flaps	10°

Landing

Autopilot	Off (if applicable)
Flaps	Set for landing
Carburator heat CVV	Cold
Propeller	Max rpm

After landing

Cowl flaps	Open
Flaps	Up
Pitot heater	Off
Nav lights	Off
Strobe lights	Off
Landing lights	Off
Taxi light	On (if required)
Transponder	stdby

Shutdown

Parking brake	Set
Thrust lever	1000 rpm
Avionics master switch	Off
Mixture	Idle cutoff
Beacon	Off
Battery switch	Off
Control lock	Installed
Pitot cover	installed
Key and close flight plan	Off