

3. Take Off

3.1 Take-off Procedure

Apply full power (full throttle, 2700RPM) while holding the brakes.

CAUTION: The application of full power while stationary on an unsealed or loose gravel surface WILL cause damage to propellers. The intent is that prior to complete brakes release, takeoff power will be set. To achieve this, smoothly release the brakes whilst applying power.

Check power is set and that the Oil Temperature and Pressure are in the green and call "POWER SET, T'S AND P'S IN THE GREEN".

Check that airspeed is increasing, at 60KIAS call "60 KNOTS". If for some reason the 60KIAS call is not made at exactly that speed, then the actual indicated speed passing must be called.

At 86KIAS call "ROTATE".

Once the aircraft is airborne, has a positive rate of climb and is at 100KIAS, apply brakes momentarily, then select gear up. At night or in IMC, climb out will be at 100KIAS until MSA/LSALT is reached, after which speed will be increased to cruise climb at 120KIAS. By day VMC, climb out will be at 120KIAS.

The climb scan-action flow is to be commenced just prior to 500ft AGL if by day VMC, or 1000ft AGL in any other instance. The intent is to have power reduced to climb power (25inHg, 2500RPM) by 500ft/1000ft AGL as appropriate.

4. After Take-Off

4.1 Climb Scan-Action Flow

Approaching 500ft AGL by day VMC, or 1000ft AGL at any other time:

GEAR.....CHECKED UP
Check gear in transit red light extinguished, or (#B55) amber gear up light illuminated

FLAPCHECKED UP

POWERSET

25inHg or full throttle, 2500RPM

AUX FUEL PUMPSOFF

Check that fuel flow is stable. Switch off one at a time and check that flow remains stable.

LIGHTS.....SET

Taxi light and landing lights OFF

Nav lights OFF by day VMC.

ICE PROTECTIONAS REQ

Pitot Heat on in IMC below 10°C

ENGINE INSTRUMENTSCHECKED

All indications within the green range.

COWL FLAPS.....CHECK OPEN

FUEL FLOWLEANED AS APPROPRIATE

Lean as per Fuel Flow and Pressure Gauge

AUTOPILOTAS REQ

Minimum altitude after take off for using the autopilot is 1000ft AGL.

ETA.....LOGGED

Advise Operations on 118.35