

4.2.11 Takeoff (Full Hopper Load and/or Short Field)

FLAPS 10° (FIRST MARK)
PROP LEVER (P) FULL FORWARD
POWER LEVER SET TORQUE TO TAKEOFF LIMIT (1628 FT-LB)
..... (1795 FOR PT6A-34, -34AG, -36, or -34B ENGINE)
ITT & TORQUE INDICATIONS MONITOR
BRAKES RELEASE
DIRECTIONAL CONTROL MAINTAIN WITH RUDDER CONTROL
ELEVATOR CONTROL NEUTRAL

Accelerate down the runway and allow the tail to come up. Make a conventional takeoff from this attitude. At weights higher than 8,000 lbs (3,629 kg), the initial climb speed can be expected to increase.

INITIAL CLIMB (@ 8,000 lbs [3,629 kg]) 105 MPH (91 KTS)
FLAPS RETRACT
ELEVATOR TRIM ADJUST AS REQUIRED
RUDDER TRIM ADJUST AS REQUIRED
ITT & TORQUE INDICATIONS MONITOR
TORQUE AND PROPELLER RPM ADJUST AS DESIRED



WARNING:

Full flaps should not be used during the takeoff sequence. The use of full flaps creates large amounts of drag and will lengthen the ground roll and impair climb performance.



CAUTION:

Reduction of prop RPM will increase Torque and can cause torque limit to be exceeded when already operating at maximum torque. It is recommended to reduce torque prior to reducing prop RPM.
