| Table B2B - Alternative Data Source for FTD Level 5 | | |
|---|---|---|
| **Small, Single Engine (Reciprocating) Airplane** | | |
| **QPS REQUIREMENT**<br>The performance parameters in this table must be used to program the FTD if flight test data is not used to program the FTD. | | |
| **Applicable Test** | | **Authorized Performance Range** |
| **Entry Number** | **Title and Procedure** | |
| **1.** | **Performance.** | |
| **1.c** | **Climb.** | |
| **1.c.1.** | Normal climb with nominal gross weight, at best rate-of-climb airspeed. | Climb rate = 500 - 1200 fpm (2.5 - 6 m/sec). |
| **1.f.** | **Engines.** | |
| **1.f.1.** | Acceleration; idle to takeoff power. | 2 - 4 Seconds. |
| **1.f.2.** | Deceleration; takeoff power to idle. | 2 - 4 Seconds. |
| **2.** | **Handling Qualities.** | |
| **2.c.** | **Longitudinal Tests.** | |
| **2.c.1.** | Power change force. | |
| | (a) Trim for straight and level flight at 80% of normal cruise airspeed with necessary power. Reduce power to flight idle. Do not change trim or configuration. After stabilized, record column force necessary to maintain original airspeed. | 5 - 15 lbs (2.2 - 6.6 daN) of force (Push). |
| | **OR** | |