

Introduction

This section provides amplified procedures for normal operation. Normal procedures associated with optional systems can be found in [Section 9: Log of Supplements](#).

Airspeeds for Normal Operation

Unless otherwise noted, the following speeds are based on a maximum weight of 3600 lb. and may be used for any lesser weight. However, to achieve the performance specified in Section 5 for takeoff and landing distance, the speed appropriate to the particular weight must be used.

Takeoff Rotation:

- Normal, Flaps 50% 77 KIAS
- Obstacle Clearance, Flaps 50% 85 KIAS

Enroute Climb, Flaps Up:

- Best Rate of Climb, SL 103 KIAS
- Best Rate of Climb, 10,000 102 KIAS
- Best Angle of Climb, SL 88 KIAS
- Best Angle of Climb, 10,000 88 KIAS
- Normal, Full Power, Full Rich Climb 120 KIAS

Landing Approach:

- Normal Approach, Flaps Up 90-95 KIAS
- Normal Approach, Flaps 50% 85-90 KIAS
- Normal Approach, Flaps 100% 80-85 KIAS
- Short Field, Flaps 100% (V_{REF}) 79 KIAS

Go-Around, Flaps 50%:

- Full Power 80 KIAS

Maximum Recommended Turbulent Air Penetration:

- 3600 lb 140 KIAS
- 2900 lb 123 KIAS

Maximum Demonstrated Crosswind Velocity:

- Takeoff or Landing 21 Knots

Wind Components

Example:

- Runway Heading..... 10°
- Wind Direction..... 60°
- Wind Velocity 15 Knots

• Note •

The max demonstrated crosswind is 21 knots. Value not considered limiting.

