

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 3050 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% 65-70 KIAS
- Short Field, Flaps 50% 65 KIAS
- Obstacle Clearance, Flaps 50% 77 KIAS

Enroute Climb, Flaps Up:

- Normal, SL 96 KIAS
- Normal, 10,000' 92 KIAS
- Best Rate of Climb, SL 96 KIAS
- Best Rate of Climb, 10,000' 92 KIAS
- Best Angle of Climb, SL 83 KIAS
- Best Angle of Climb, 10,000' 87 KIAS

Landing Approach:

- Normal Approach, Flaps Up 88 KIAS
- Normal Approach, Flaps 50% 83 KIAS
- Normal Approach, Flaps 100% 78 KIAS
- Short Field, Flaps 100% 78 KIAS

Go-Around, Flaps 50%:

- Full Power 78 KIAS

Maximum Recommended Turbulent Air Penetration:

- 3050 Lb 131 KIAS
- 2600 Lb 122 KIAS
- 2200 Lb 111 KIAS

Maximum Demonstrated Crosswind Velocity:

- Takeoff or Landing 20 Knots

Stall Speeds

Conditions:

- Weight 3050 LB
- CG Noted
- Power Idle
- Bank Angle Noted

• Note •

Altitude loss during wings level stall may be 250 feet or more.

KIAS values may not be accurate at stall.

Weight LB	Bank Angle Deg	STALL SPEEDS					
		Flaps 0% Full Up		Flaps 50%		Flaps 100%Full Down	
		KIAS	KCAS	KIAS	KCAS	KIAS	KCAS
3050 Most FWD C.G.	0	69	67	66	63	61	59
	15	70	68	67	65	62	60
	30	74	72	70	68	64	63
	45	81	80	76	75	70	70
	60	95	95	89	90	83	83
3050 Most AFT C.G.	0	69	67	63	60	59	56
	15	75	68	64	61	60	57
	30	77	72	66	64	62	60
	45	83	79	72	71	68	67
	60	99	94	85	85	79	79