

V- speeds (KNOTS)

Vso	42Knots
Vs	48 Knots
Vx	60 Knots
Vy	68 Knots
Vfe	86 Knots
Va(Max)	97 Knots
Vno	111 Knots
Vne	141 Knots
Best Glide	60 Knots
Rotate	55 Knots
Final	65-70KIAS

W&B

Gross Weight - 1600 LBS

Empty Weight - 1121.7 LBS // MOMENT 36.90

Fuel- 6 lbs/Gallon at 22.5 gallons full

	Weight (SAMPLE)	Moment (SAMPLE)	Weight (ACTUAL)	Moment (ACTUAL)
Empty Weight	1084	35.9		
Oil (6 qrts)	11	-0.1	11	-0.1
Fuel (Standard)	135	5.7		
Pilot and PAX	340	13.3		
Baggage 1	30	1.9		
Total Weight and Moment				

Other

Max TO Weight	1600lbs
Total Fuel Cap	26
Total Useable	22.5
Max Oil	6 Qrts
Min Oil	4 Qrts
Flaps	0, 10, 20, 30, 40

Specifications

Gross Weight	1600lbs	
Speed	Top Speed at Sea Level	106 Knots
	Cruise at 75% at 7,000ft	102 Knots
Range	Cruise at 75% at 7,000ft	475mi
	22.5 Gallons, No Reserve	4.1 hrs
Rate of Climb at Sea Level	670 FPM	
Service Ceiling	12, 650 ft	
Take Off	Ground Roll 50ft Obstacle	735 ft 1385 ft
Landings	Ground Roll 50ft Obstacle	445 ft 1075
Fuel Capacity	Gallons Total Useable	26 22.5
Oil Capacity	Total	6 Qrts
Propeller	Fixed Pitch	69in
Engine Continental:	- 100 Rated HP at 2750 RPM - 0-200-A	

Engine

4 Cylinder, 4 Stroke, Carbureted, Direct Drive, Horizontally Opposed, Naturally Aspirated, Air Cooled, 100 HP at 2750 RPMs, 0-200-A, Continental