

WEIGHTS (lbs)

Maximum Takeoff Weight	46,761
Maximum Landing Weight	39,741
Design Empty Weight	22,027
Operating Empty Weight	22,678
Payload Weight	10,000

CENTER OF GRAVITY (from nose)

Empty Weight	32.61 ft
Max Takeoff Weight	31.03 ft
Most forward cg	30.13 ft
Most Aft cg	31.33

POWERPLANT

Engine Manufacturer	Avco Lycoming
Model	ALF 502
Type	Turbofan
Takeoff Uninstalled Thrust	22,875 lbs

LANDING GEAR

Tire Size (Main)	25.5 x 6.85
Tire Size (Nose)	17.8 x 5.6
Max Diameter (Main)	4.3 in
Max Diameter (Nose)	2.5 in
Total Strut Stroke (Main)	16 in
Total Strut Stroke (Nose)	6 in

WING PARAMETERS

Area	1150 sq ft
Span	64 ft
MAC	18.04 ft
Aspect Ratio	3.56 (~)
Taper Ratio	0.8 (~)
Quarter Chord Sweep	5 deg
Airfoil Section	NACA 65-214
Thickness to Chord	14%
Incidence Angle	1 deg
Dihedral Angle	0 deg

TAIL PARAMETERS

Horizontal:	
Total Area	190 sq ft
Span	29 ft
Taper Ratio	0.8 (~)
Quarter Chord Sweep	0 deg
Airfoil Section	NACA 0012
Dihedral Angle	0 deg
Vertical:	
Total Area	208 sq ft
Span	14 ft
Taper Ratio	0.8 (~)
Quarter Chord Sweep	0 deg
Airfoil Section	NACA 0010

